TRIDONIC

enlightening your ideas

LED catalogue
Issue April 2015

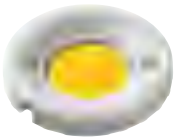


+ Examples LED systems
+ LED Driver
+ LED Modules
+ luxCONTROL lighting control systems

Tridonic LEDs in systems



Tridonic‘s position in the lighting industry is that of a partner for component solutions and systems. We invest passion and creativity in developing solutions for the future of light. We are familiar with every possible lighting application, we can find the right solutions to meet any requirements. What motivates us is our desire to shape the change of technology towards LED light.



From our comprehensive LED portfolio you can choose individual components or complete systems. We offer modules as sources of extremely high-quality light and flexible LED Driver for all output categories. The components are perfectly matched to one another and offer a high level of reliability and safety for your applications and projects.

Tridonic TALEX modules



LED modules from Tridonic are always state-of-the-art. They contain efficient high-quality LED light sources. For our modules we use both SMD technology (surface mounted device) and chip-on-board technology (COB). SMD-LEDs are mounted directly on a printed circuit board. Our modules for linear and area lighting are based on SMD technology. In the case of chip-on-board technology (COB) the semiconductor chips are attached directly to the board by means of an adhesive with high thermal conductivity. The filling compound protects the LED chip against external mechanical influences and also defines the beam angle. We use COB technology for modules that will be used as point light sources, for example in downlights and spotlights.

Tridonic TALEX driver



The LED Driver turns economical LED light sources into efficient solutions providing high-quality light. Our new LED Driver portfolio has been designed so this electronic LED Driver can be used also for next-generation LED modules with even better efficiency. There are three clearly defined series (TALEX driver ECO, TOP and TEC) in this full-coverage portfolio so a perfectly matched LED Driver is available for every application and every requirement.

Light management



With Tridonic luxCONTROL system products you can create your tailor-made solutions with LED systems – from individual intelligent luminaires through large room installations to extensive lighting concepts for entire buildings. With luxCONTROL you can save energy with daylight-dependent and presence-dependent lighting, control luminaire groups and lighting scenes and create the right atmosphere in any space.

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LED Driver

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Emergency lighting LED Driver

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EM converterLED

Emergency lighting LED Driver

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Combined emergency lighting LED Driver 1 – 4 W

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Emergency lighting control systems

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Automatic switching based on motion and light level

Smart SWITCH II Page 477

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basicDIM

Compact control module

with ambient light sensor and motion sensor

basicDIM ILD Page 479

Compact control module with

2 momentary-action switches input and 1 relais output

basicDIM DGC Page 482

Ambient light sensor and presence detector

for constant lighting control

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Control module for amplifying DSI signals or switch input

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comfortDIM

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DALI-DSI Page 501

Extension of DALI cable length

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DALI control module for 1 relay

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DALI relay output with 4 independent 10 A switching contacts

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Leading-edge/trailing-edge phase dimmer

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Converter for 1...10 V into DSI signal 1-channel

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Leading-edge/trailing-edge phase dimmer 40 – 1,000 VA with preset

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Overview of LED systems

Examples for each luminaire category

Downlight



System solution

Individual components

- 1 x DLE GEN2 CLASSIC
- 1 x LCAI 20W 350mA–900mA ECO SR

Key facts

- High system efficacy of up to 139 lm/W
- Dimming range from 1 – 100 %
- Plug'n Play – automatic luminous flux setting

Spotlight



System solution

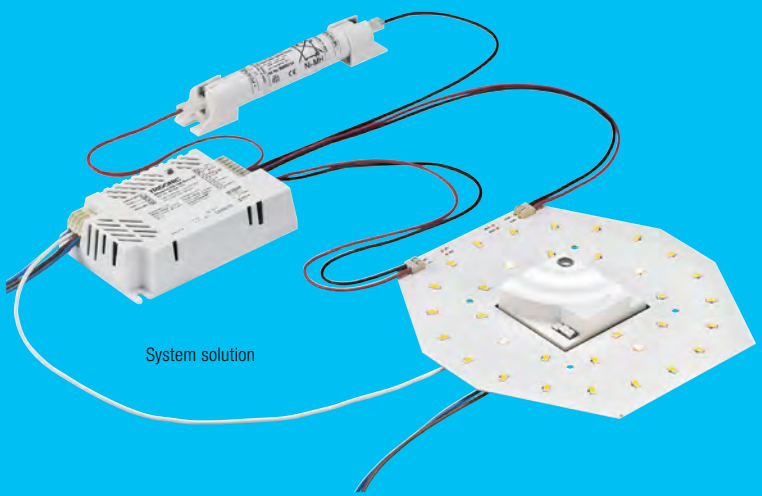
Individual components

- 1 x SLE GEN4 CLASSIC
- 1 x LCAI 55W 900mA–1750mA ECO C

Key facts

- High system efficacy of up to 120 lm/W
- Excellent thermal management & outstanding luminance thanks to COB technology
- Dimming range from 1 – 100 %
- Plug'n Play – automatic luminous flux setting

Wall luminaire



System solution

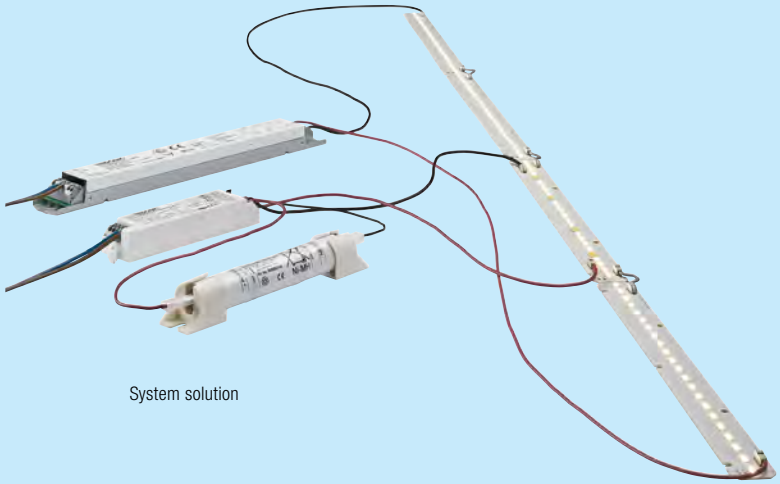
Individual components

- 1 x CLE CLASSIC EM SO
- 1 x SWITCH Sensor HF 5BP
- 1 x EM powerLED BASIC 15W CLE
- 1 x Accu-NiCd

Key facts

- System consisting of an LED module, LED Driver with emergency lighting function and SWITCH sensor
- System efficacy of up to 111 lm/W
- Self-cooling (no additional heat sink required)
- With Integrated emergency lighting functionality

Lineare luminaire

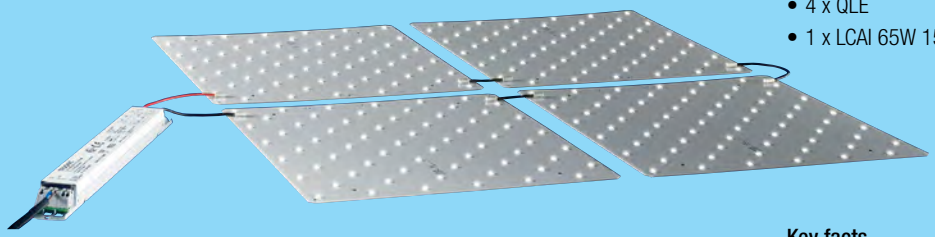


System solution

Individual components
- 3 x LLE
- 1 x LLE EM (emergency lighting function)
- 1 x LCAI 65W 150mA–400mA ECO Ip
- 1 x EM powerLED PRO EZ-3, 4 W (plug fastening)
- 1 x Accu-NiCd

Key facts
- System efficacy of up to 112 lm/W
- Perfectly uniform light even if several LED modules are arranged one after the other
- Dimming range from 1 – 100 %
- Integrated emergency lighting functionality

Wide area luminaire



System solution

Individual components
- 4 x QLE
- 1 x LCAI 65W 150mA–400mA ECO Ip

Key facts
- System efficacy of up to 123 lm/W
- Perfectly uniform light even if several LED modules are arranged one after the other
- Self-cooling
- Dimming range from 1 – 100 %
- Integrated emergency lighting functionality

High bay luminaire



System solution

Individual components
- 1 x FLE LES40
- 1 x LCI 240W 2230mA–4450mA

Key Facts
- Luminous flux range from 4,500 – 21,100 lm
- Efficacy of the module up to 128 lm/W
- System efficacy up to 115 lm/W
- Light Emitting Surface (LES) 30 up to 10,000 lumen
- Light Emitting Surface (LES) 40 up to 18,600 lumen
- Reproducible colour rendering: MacAdam 3

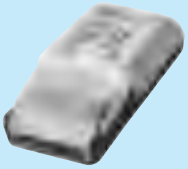
Product overview LED Driver compact



TALEXdriver ECO series
Compact dimming

The ECO series of LED Drivers offers extensive dimming plus protection functions. This translates into maximum efficiency for your applications.

- Best dimming quality from 1 – 100 %
- Familiar control via the one4all interface (DALI / DSI)
- Very low stand-by losses of < 0.2 W



TALEXdriver BASIC series
Compact dimming

The BASIC series of LED Drivers offers convenient dimming by means of leading-edge and trailing-edge phase dimmers.

- Specially designed for use in existing systems by means of leading-edge and trailing-edge phase dimmers
- Large dimming range from 5 – 100 %
- Long life-time of 50,000 h
- Compact dimensions



TALEXdriver TOP series
Compact fixed output

The TOP series of LED Drivers offers a fixed output solution for getting the best out of your luminaires.

- Flexible use thanks to adjustable current
- Wide range of applications thanks to a life-time of 50,000 h across a broad temperature range of -25 to +65 °C
- Intelligent protection functions for safe lamp operation

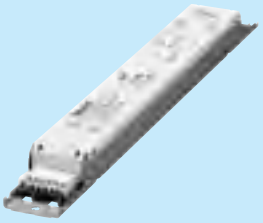


TALEXdriver TEC series
Compact fixed output

The TEC series of LED Drivers offers reliability in its simplest form. These devices focus on the most important functions, offering high quality for your LED products.

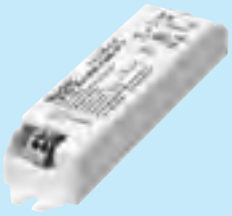
- Large portfolio covering 10 – 25 W with currents from 350 – 1,750 mA
- High efficiency of up to 92 %
- Compact dimensions

Product overview LED Driver linear / area



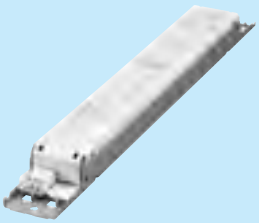
TALEXdriver ECO series
Linear / area dimming

The ECO series of LED Drivers offers extensive dimming plus protection functions. This translates into maximum efficiency for your applications.
- Best dimming quality from 1 – 100 %
- Familiar control via the one4all interface (DALI / DSI)
- Very low stand-by losses of < 0.2 W



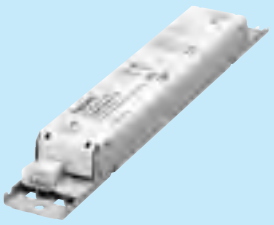
TALEXdriver BASIC series
Linear / area dimming

The BASIC series of LED Drivers offers convenient dimming by means of leading-edge and trailing-edge phase dimmers.
- Specially designed for use in existing systems with dimming (trailing-edge phase dimmers)
- Large dimming range from 5 – 100 %
- Long life-time of 50,000 h
- Compact dimensions



TALEXdriver TOP series
Linear / area fixed output

The TOP series of LED Drivers offers a fixed output solution for getting the best out of your luminaires.
- Flexible use thanks to adjustable current
- Wide range of applications thanks to a life-time of 50,000 h across a broad temperature range of -25 to +65 °C
- Intelligent protection functions for safe lamp operation



TALEXdriver TEC series
Linear / area fixed output

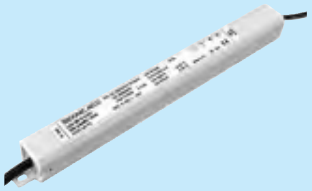
The TEC series of LED Drivers offers reliability in its simplest form. These devices focus on the most important functions, offering high quality for your LED products.
- Large portfolio covering 10 – 25 W with currents from 350 – 1,750 mA
- High efficiency of up to 92 %
- Compact dimensions

Product overview LED Driver
constant voltage / constant current



TALEXdriver LCU outdoor IP67
Constant voltage LED Driver

The LCU LED Driver for constant voltage offer reliability and exemplary functionality in outdoor applications.
- High reliability thanks to robust IP67 metal casing
- Long life-time of 50,000 h
- Large portfolio from 15 – 150 W
- Input voltage range from 108 – 264 V AC
- Complies with EMC requirements for lighting equipment



TALEXdriver LCU outdoor IP65
Constant voltage LED Driver

The LCU LED Driver for constant voltage offer reliability and exemplary functionality in outdoor applications.
- Compact slimline IP65 casing
- Long life-time of 50,000 h
- Safe operation thanks to short-circuit, overtemperature & overload protection
- Complies with EMC requirements for lighting equipment



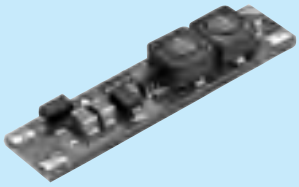
TALEXdriver LCU indoor IP20
Constant voltage LED Driver

The LCU LED Driver for constant voltage offer reliability and exemplary functionality in indoor applications.
- Long life-time of 50,000 h
- Large portfolio from 35 – 150 W
- Input voltage range from 108 – 264 V AC
- Complies with EMC requirements for lighting equipment



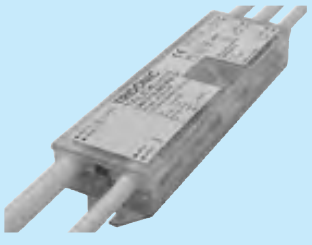
DC/DC LED Driver
Dimming

Dimmable DC/DC constant current LED Driver and PWM Booster
- Dimming via DALI, PWM or potentiometer
- 1 – 4 channels
- Up to 95 % efficiency
- Compact dimensions



DC/DC LED Driver
Fixed output

DC/DC constant current LED Driver for centrally supplied LED installations
- 350 and 700 mA output current
- Converts constant voltage into constant current
- Compact dimensions
- Attached with premounted thermally conductive adhesive tape



DC/DC LED Driver
Signage

Constant voltage 3-channel PWM Dimmer with adjustable ambient-light-dependent or manual dimming for 12 or 24 V DC LED modules
- Wide range of applications thanks to robust IP67 design across a temperature range of -40 to +60 °C
- Long life-time of 50,000 h
- Scalable system based on expansion units
- No external light sensor

Product / function matrix

Portfolio		Dimming		Fixed output	
		ECO Leader in efficiency and versatility	**BASIC** Economic dimming convenience	**TOP** Optimum performance and high flexibility	**TEC** Reliable and straightforward
Dimming	Dimming method	Amplitude & PWM	Amplitude only		
	PWM frequency	500 Hz			
	Dimming range	1 – 100 %	5 – 100 %		
	DALI DT6 / DSI	yes			
	switchDIM / corridorFUNCTION	yes			
	Phase-cut dimming		yes		
DC operation	Supporting EN 50172	yes		yes	
	DC level fixed			yes	
	DC level adjustable	yes			
Output current	Adjustable	yes		yes	
	Via resistor or plug	yes		yes	
	Via DALI	yes			
	Current resolution	1/25/50 mA [1]		25/50 mA [1]	
	Current tolerances	±3 %	± 7.5 %	± 5 %	± 7.5 %
Functions & Performance	Constant light output over life-time	yes			
	Intelligent Temperature Guard	yes	yes	yes	yes
	Intelligent Temperature Management	yes		yes [3]	
	Stand-by losses	< 0.2 W			
	Input voltage range	220 – 240 V	220 – 240 V	220 – 240 V	220 – 240 V
	Life-time up to	100,000 h	50,000 h	100,000 h	50,000 h
	Failure rate	0.1 % / 1,000 h	0.2 % / 1,000 h	0.1 % / 1,000 h	0.2 % / 1,000 h
	Operating temperature range	-25 °C up to +65 °C [2]	-25 °C up to +50 °C [2]	-25 °C up to +65 °C [2]	-20 °C up to +50 °C
	Guarantee	5 years	5 years	5 years	5 years

[1] Depending on the output current range and setting method (I-Select or DALI).
[2] Varies with the selected output power. Detailed values can be found in data sheet.
[3] For LED Driver with 35 W and more.

IP20 SELV



NEW

TALEXdriver LC 25/30/35/40W 600/700/800/900mA fixC C ADV

ADVANCED series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 600, 700, 800 or 900 mA
- Max. output power 26.5, 31, 36 or 40.5 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonat, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

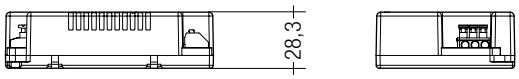
→ For product data sheet go to www.tridonic.com, or available on request

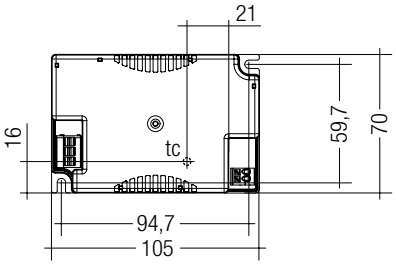
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For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Output current ripple	± 10 %
Max. output voltage (no-load voltage)	60 V
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 600mA fixC C ADV	**87500345**	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg
LC 30W 700mA fixC C ADV	**87500346**	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg
LC 35W 800mA fixC C ADV	**87500347**	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg
LC 40W 900mA fixC C ADV	**87500348**	15 pc(s).	300 pc(s).	2,700 pc(s).	0.142 kg

Specific technical data

Type	Output current	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load [1]	Efficiency at full load [1]	Power factor at min. load [1]	Efficiency at min. load [1]	Min. output voltage	Max. output voltage	Max. output peak current at full load [2]	Max. output peak current at min. load [2]	Max. casing temperature tc
LC 25W 600mA fixC C ADV	600 mA	0.133 A	30.0 W	13.0 – 26.5 W	0.95	88 %	0.9C	81 %	21.4 V	44 V	774 mA	900 mA	65 °C
LC 30W 700mA fixC C ADV	700 mA	0.153 A	34.3 W	15.0 – 31.0 W	0.95	88 %	0.9C	82 %	21.4 V	44 V	903 mA	1,000 mA	65 °C
LC 35W 800mA fixC C ADV	800 mA	0.181 A	40.0 W	20.0 – 36.0 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,032 mA	1,100 mA	70 °C
LC 40W 900mA fixC C ADV	900 mA	0.210 A	45.3 W	22.5 – 40.5 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,161 mA	1,200 mA	70 °C

[1] Test result at 230 V, 50 Hz.
[2] The trend between min. and full load is linear.

IP20 SELV



NEW

TALEXdriver LC 25/30/35/40W 600/700/800/900mA fixC SC ADV

ADVANCED series

Product description

- Fixed output LED Driver
- Can be either used build-in or independent with clip-on strain-relief (see accessory)
- Constant current LED Driver
- Output current 600, 700, 800 or 900 mA
- Max. output power 26.5, 31, 35 or 40.5 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- Independent LED Driver with cable clamps
- 5-year guarantee

Properties

- Casing: polycarbonat, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

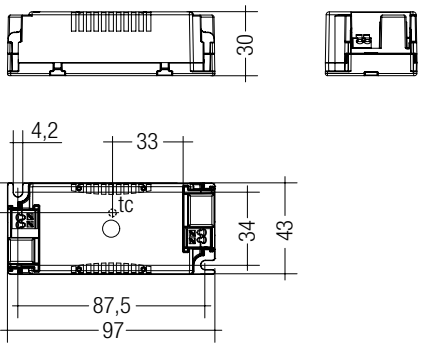
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical output LF current ripple at full load	± 5 %
Max. output voltage (no-load voltage)	60 V
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	97 x 43 x 30 mm
Dimensions with strain-relief L x W x H	157 x 43 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 25W 600mA fixC SC ADV	**87500341**	15 pc(s).	480 pc(s).	3,840 pc(s).	0.099 kg
LC 30W 700mA fixC SC ADV	**87500342**	15 pc(s).	480 pc(s).	3,840 pc(s).	0.101 kg
LC 35W 800mA fixC SC ADV	**87500343**	15 pc(s).	480 pc(s).	3,840 pc(s).	0.101 kg
LC 40W 900mA fixC SC ADV	**87500344**	15 pc(s).	480 pc(s).	3,840 pc(s).	0.102 kg

Specific technical data

Type	Output current	Input current (at 230 V, 50 Hz, full load)	Input power (at 230 V, 50 Hz, full load)	Output power range	Power factor at full load [1]	Efficiency at full load [1]	Power factor at min. load [1]	Efficiency at min. load [1]	Min. output voltage	Max. output voltage	Max. output peak current at full load [2]	Max. output peak current at min. load [2]	Max. casing temperature tc
LC 25W 600mA fixC SC ADV	600 mA	0.133 A	30.0 W	13.0 – 26.5 W	0.95	88 %	0.9C	81 %	21.4 V	44 V	774 mA	900 mA	80 °C
LC 30W 700mA fixC SC ADV	700 mA	0.153 A	34.3 W	15.0 – 31.0 W	0.95	88 %	0.9C	82 %	21.4 V	44 V	903 mA	1,000 mA	83 °C
LC 35W 800mA fixC SC ADV	800 mA	0.181 A	40.0 W	20.0 – 36.0 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,032 mA	1,100 mA	81 °C
LC 40W 900mA fixC SC ADV	900 mA	0.210 A	45.3 W	22.5 – 40.5 W	0.95	89 %	0.9C	83 %	25.0 V	45 V	1,161 mA	1,200 mA	83 °C

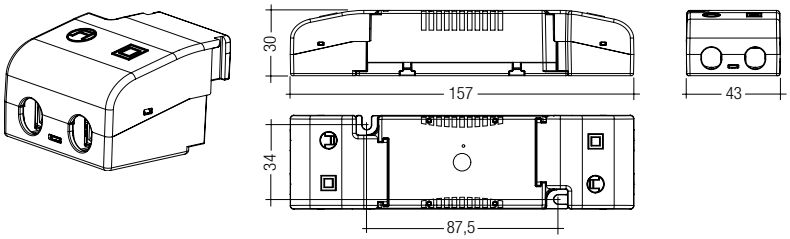
[1] Test result at 230 V, 50 Hz.
[2] The trend between min. and full load is linear.

ACCES-SORIES

Strain-relief set

Product description

- Optional strain-relief set for independent applications
- Easy and tool-free mounting to the LED driver
- Screwless cable-clamp channels
- Transforms the LED Driver into a fully class II compatible LED Driver (e.g. ceiling installation)



Ordering data

Type	Article number	Packaging carton	Packaging outer box	Weight per pc.
ACU SC 43x30mm CLIP-ON SR SET	**28001168**	20 pc(s).	1,000 pc(s).	0.027 kg

IP20 SELV

NEW

TALEXdriver LC 30W 700mA C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 700 mA
- Max. output power 30 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

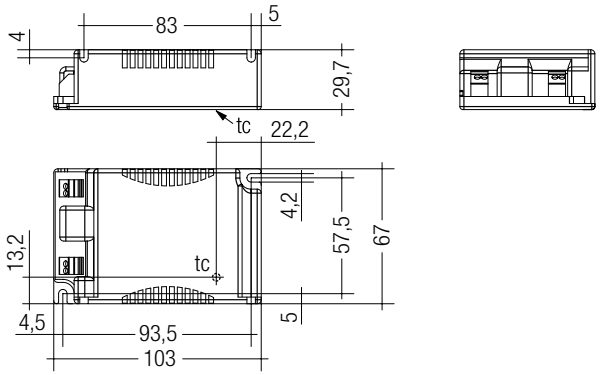
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.16 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	–
Max. input power	36 W
Output power range	21 – 30.1 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 30W 700mA C SNC	**87500362**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg

→

For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 30W 700mA C SNC	700 mA	0.948	91.2 %	0.917	90 %	30 V	43 V	54 V	1,120 mA	1,120 mA	1,120 mA	1,120 mA	80 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

NEW

TALEXdriver LC 35W 800mA C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 800 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

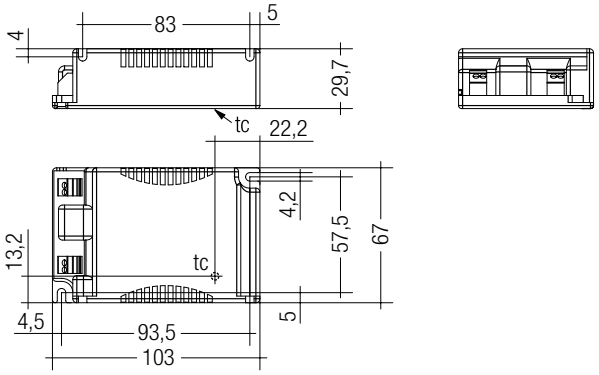
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.18 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	–
Max. input power	42 W
Output power range	24 – 34.4 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 800mA C SNC	**87500363**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg

→

For standards see data sheet

Product / function matrix, page

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 35W 800mA C SNC	800 mA	0.948	91.2 %	0.913	90.3 %	30 V	43 V	54 V	1,280 mA	1,280 mA	1,280 mA	1,280 mA	80 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV



NEW

TALEXdriver LC 35W 350/500/1050mA C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500 or 1,050 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

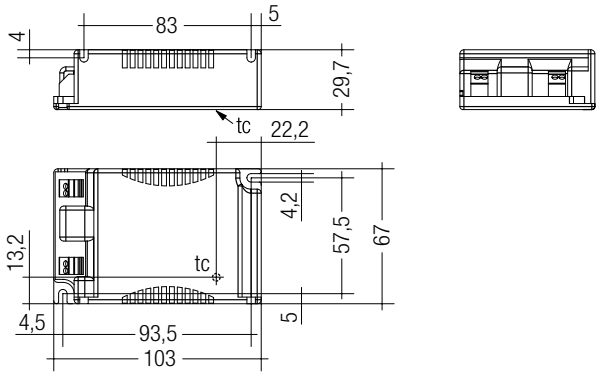
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.18 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	–
Max. input power	42 W
Output power range	24.5 – 35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 350mA C SNC	**87500368**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg
LCI 35W 500mA C SNC	**87500369**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg
LCI 35W 1050mA C SNC	**87500370**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.125 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 35W 350mA C SNC	350 mA	0.95	90 %	0.9C	88 %	70 V	100 V	120 V	480 mA	530 mA	480 mA	530 mA	80 °C
LCI 35W 500mA C SNC	500 mA	0.95	90 %	0.9C	88 %	49 V	70 V	90 V	700 mA	760 mA	700 mA	760 mA	80 °C
LCI 35W 1050mA C SNC	1,050 mA	0.95	89 %	0.9C	87 %	23 V	33 V	45 V	1,470 mA	1,580 mA	1,470 mA	1,580 mA	80 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV



NEW

TALEXdriver LC 40W 900mA C SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 900 mA
- Max. output power 40 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

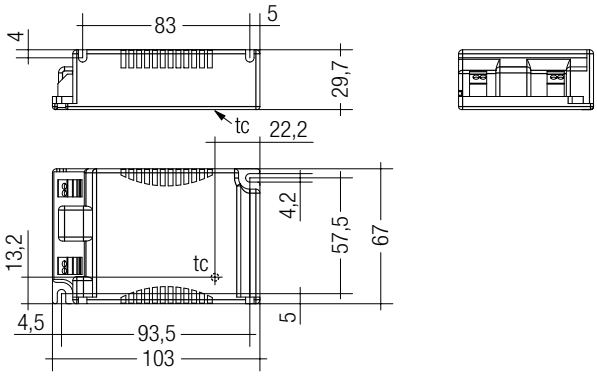
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.2 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	–
Max. input power	47 W
Output power range	27 – 38.7 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 40W 900mA C SNC	**87500364**	15 pc(s).	300 pc(s).	2,760 pc(s).	0.126 kg

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For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 40W 900mA C SNC	900 mA	0.957	91 %	0.927	90.2 %	30 V	43 V	54 V	1,440 mA	1,440 mA	1,440 mA	1,440 mA	85 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

NEW

TALEXdriver LC 30W 700mA SR SNC

ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 700 mA
- Max. output power 30 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

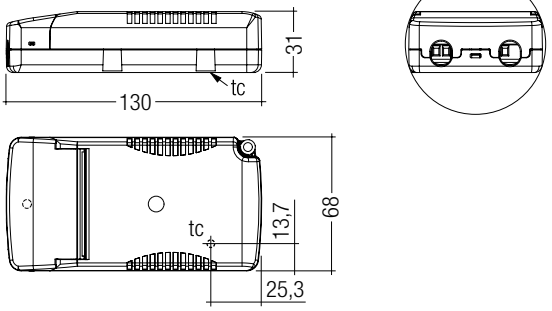
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.16 A
Mains frequency	50 / 60 Hz
Max. input power	36 W
Typ. output power	36 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 30W 700mA SR SNC	**87500365**	30 pc(s).	390 pc(s).	1,950 pc(s).	0.15 kg

For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 30W 700mA SR SNC	700 mA	0.948	91.2 %	0.917	90 %	30 V	43 V	54 V	1,120 mA	1,120 mA	1,120 mA	1,120 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

NEW

TALEXdriver LC 35W 800mA SR SNC

ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 800 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

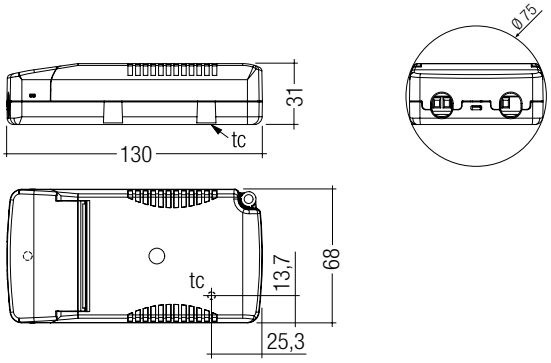
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.18 A
Mains frequency	50 / 60 Hz
Max. input power	42 W
Typ. output power	42 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 800mA SR SNC	**87500366**	30 pc(s).	390 pc(s).	1,950 pc(s).	0.149 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 35W 800mA SR SNC	800 mA	0.948	91.2 %	0.913	90.3 %	30 V	43 V	54 V	1,280 mA	1,280 mA	1,280 mA	1,280 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV RoHS

NEW

TALEXdriver LC 35W 350/500/1050mA SR SNC

ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500 or 1,050 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

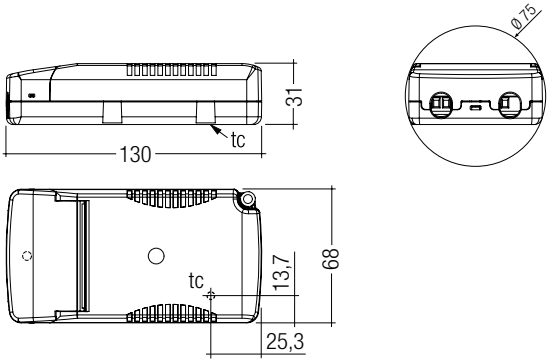
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.18 A
Mains frequency	50 / 60 Hz
Max. input power	42 W
Typ. output power	35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 350mA SR SNC	**87500371**	30 pc(s).	390 pc(s).	1,950 pc(s).	0.153 kg
LCI 35W 500mA SR SNC	**87500372**	30 pc(s).	390 pc(s).	1,950 pc(s).	0.153 kg
LCI 35W 1050mA SR SNC	**87500373**	30 pc(s).	390 pc(s).	1,950 pc(s).	0.153 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 35W 350mA SR SNC	350 mA	0.95	90 %	0.9C	88 %	70 V	100 V	120 V	480 mA	530 mA	480 mA	530 mA
LCI 35W 500mA SR SNC	500 mA	0.95	90 %	0.9C	88 %	49 V	90 V	85 V	700 mA	760 mA	700 mA	760 mA
LCI 35W 1050mA SR SNC	1,050 mA	0.95	89 %	0.9C	87 %	23 V	33 V	45 V	1,470 mA	1,580 mA	1,470 mA	1,580 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV RoHS

NEW

TALEXdriver LC 40W 900mA SR SNC

ESSENCE series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 900 mA
- Max. output power 40 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

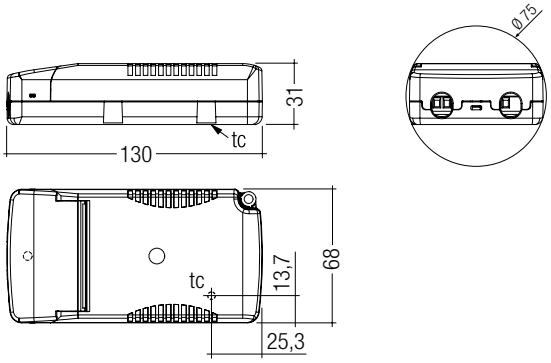
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.2 A
Mains frequency	50 / 60 Hz
Max. input power	47 W
Typ. output power	47 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 15,000 h)	50 °C
Max. casing temperature tc	90 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	130 x 68 x 31 mm

Ordering data

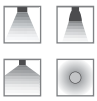
Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 40W 900mA SR SNC	**87500367**	30 pc(s).	390 pc(s).	1,950 pc(s).	0.152 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 40W 900mA SR SNC	900 mA	0.957	91 %	0.927	90.2 %	30 V	43 V	54 V	1,440 mA	1,440 mA	1,440 mA	1,440 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP67 SELV RoHS



TALEXdriver LCI 15W 350/500/700mA M020

TOP series

Product description

- Independent LED Driver for LED modules
- Constant current LED Driver for outdoor usage ①
- Output power 15 W
- Nominal life-time of 50,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

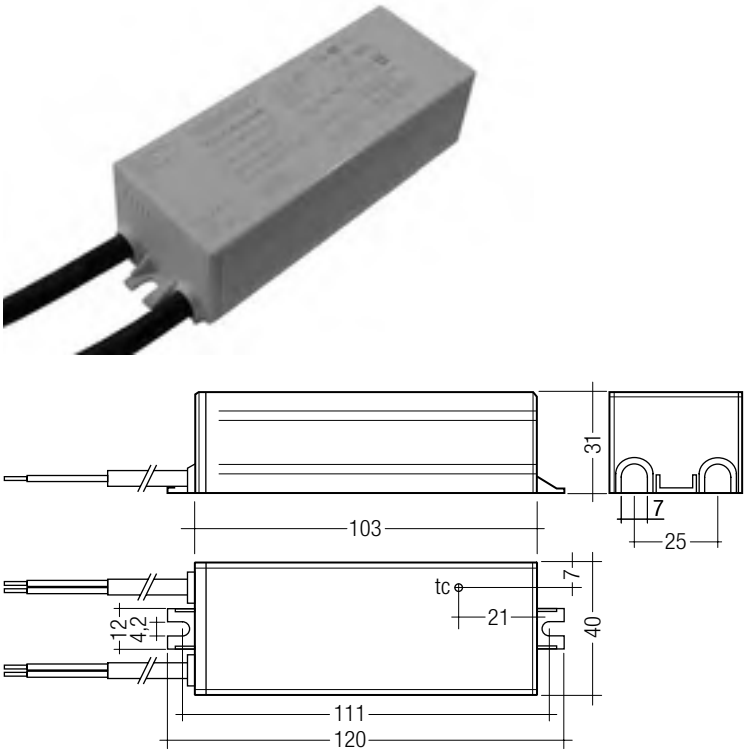
Properties

- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, white (UV resistant)

Functions

- Overload protection by reduction of performance
- Overtemperature protection
- Short-circuit shutdown

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V AC
AC voltage range	198 – 264 V AC
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.15 A
Max. input power	18 W
Typ. input power in no-load operation	0.5 W
Typ. λ (at 230 V, 50 Hz, full load)	> 0.5 C
Typ. efficiency (at 230 V, 50 Hz, full load)	> 85 %
Turn on time (at 230 V, 50 Hz, full load)	0.5 s
Turn off time (at 230 V, 50 Hz, full load)	1 s
Hold on time ②	20 ms
ta operating (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	120 x 40 x 31 mm
Hole spacing D	111 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 015/0350 M020	**28000795**	10 pc(s).	600 pc(s).	0.248 kg
LCI 015/0500 M020	**28000796**	10 pc(s).	600 pc(s).	0.248 kg
LCI 015/0700 M020	**28000797**	10 pc(s).	600 pc(s).	0.248 kg

→

For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Typ. output current	Output current tolerance	Output current ripple	Max. repetitive output peak current	Max. non-repetitive output peak current	Output voltage range	Max. output voltage ③	Typ. output power
LCI 015/0350 M020	350 mA	± 5 %	± 15 %	425 mA	425 mA	3 – 43 V	52 V	15 W
LCI 015/0500 M020	500 mA	± 5 %	± 10 %	580 mA	580 mA	3 – 35 V	36 V	15 W
LCI 015/0700 M020	700 mA	± 5 %	± 10 %	810 mA	810 mA	3 – 25 V	26 V	15 W

① Not suitable for outdoor ground recessed luminaires according to EN 60598-2-13, 13.10.
② At power failure.
③ In no-load operation. No shutdown in no-load operation.

IP67 SELV RoHS

TALEXdriver LCI 30W 700mA M120

TOP series

Product description

- Independent LED Driver for LED modules
- Constant current LED Driver for outdoor usage ①
- Output power 30 W
- Nominal life-time of 50,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

Properties

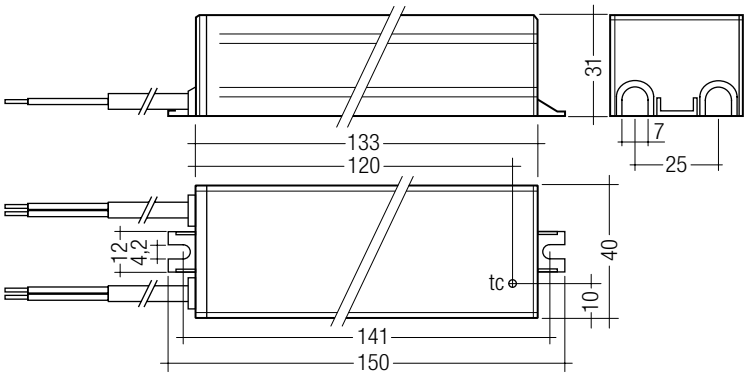
- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, white (UV resistant)

Functions

- Overtemperature protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V AC
AC voltage range	198 – 264 V AC
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.155 A
Max. input power	37.5 W
Typ. input power in no-load operation	1.5 W
Typ. λ (at 230 V, 50 Hz, full load)	0.95
Typ. efficiency (at 230 V, 50 Hz, full load)	> 85 %
Turn on time (at 230 V, 50 Hz, full load)	0.5 s
Turn off time (at 230 V, 50 Hz, full load)	1 s
Hold on time②	40 ms
ta operating (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature tc	85 °C
Dimensions L x W x H	150 x 40 x 31 mm
Hole spacing D	141 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 030/0700 M120	**28000794**	10 pc(s).	600 pc(s).	0.309 kg

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For standards see data sheet

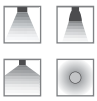
Product / function matrix, page 19

Specific technical data

Type	Typ. output current	Output current tolerance	Output current ripple	Max. repetitive output peak current	Max. non-repetitive output peak current	Output voltage range	Max. output voltage ③	Typ. output power
LCI 030/0700 M120	700 mA	± 5 %	± 20 %	885 mA	885 mA	9 – 46 V	58 V	30 W

① LED Driver mains cable not suitable as luminaire mains cable for ground installation lights according to EN 60598-2-13.
② At power failure.
③ In no-load operation. No shutdown in no-load operation.

IP20 SELV



TALEXdriver LCCI 16W

TOP series

Product description

- 350, 500 or 700 mA output signal
- Over temperature protection with current back control
- Cage clamp terminals for rigid and flexible wires
- Double assignment of the terminal possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 16 W
- Protection class II, SELV
- Type of protection IP20
- LED Driver for individual luminaires
- Nominal life-time up to 50,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

Properties

- Casing: polycarbonate, black
- Large connection compartment
- Adjustable output current by means of a potentiometer or resistor ①
- Compact dimensions

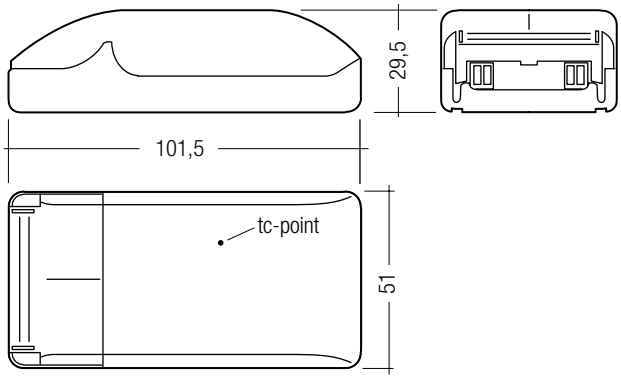
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.15 A
Mains frequency	50 / 60 Hz
λ	> 0.5 C
Efficiency at full load	> 85 %
Max. input power	20 W
Potentiometer ① ②	100 kΩ, linear
Output current ripple	± 10 %
Max. output voltage (no-load voltage)	60 V
Output power	16 W
Output power range	1 – 16 W
Start time	< 100 ms
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCCI 016/0350 B020	**28000738**	24 pc(s).	1,200 pc(s).	0.08 kg
LCCI 016/0500 B020	**28000739**	24 pc(s).	1,200 pc(s).	0.08 kg
LCCI 016/0700 B020	**28000740**	24 pc(s).	1,200 pc(s).	0.08 kg

Specific technical data

Type	Output current range ②	Output current tolerance	Max. non-repetitive output peak current	Max. repetitive output peak current	Output voltage range
LCCI 016/0350 B020	70 – 350 mA	332.5 – 367.5 mA	405 mA	405 mA	3 – 48 V
LCCI 016/0500 B020	100 – 500 mA	475.0 – 525.0 mA	580 mA	580 mA	3 – 33 V
LCCI 016/0700 B020	140 – 700 mA	665.0 – 735.0 mA	810 mA	810 mA	3 – 24 V

① Each LED Driver must be adjusted by a separate potentiometer. It is not allowed to adjust more than one LED Driver by one potentiometer.
② Further information see on data sheet.

IP20 SELV EL
CE RoHS



TALEXdriver LCI 10W 150mA–400mA TOP C

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 10 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

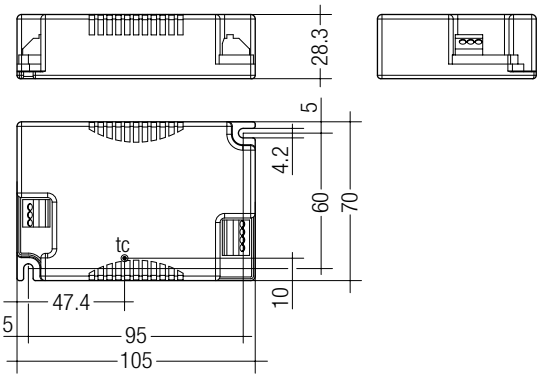
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	12.2 W
Efficiency (at 230 V, 50 Hz, full load)	80 – 84 %
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light (at 230 V, 50 Hz, full load)	< 0.5 s
Time to light (DC mode)	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 10W 150mA–400mA TOP C	**28000189**	10 pc(s).	960 pc(s).	0.116 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 10W 150mA–400mA TOP C	150 mA	21.6 V	48.0 V	7.2 W	9.0 W	47 mA	0.83	75 °C	-25 ... +65 °C	75/65 °C	open
LCI 10W 150mA–400mA TOP C	175 mA	21.6 V	48.0 V	8.4 W	10.2 W	52 mA	0.86	75 °C	-25 ... +65 °C	75/65 °C	63.40 kΩ
LCI 10W 150mA–400mA TOP C	200 mA	21.6 V	48.0 V	9.6 W	11.4 W	56 mA	0.89	75 °C	-25 ... +65 °C	75/65 °C	54.90 kΩ
LCI 10W 150mA–400mA TOP C	225 mA	20.0 V	44.4 V	10.0 W	11.9 W	57 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	47.50 kΩ
LCI 10W 150mA–400mA TOP C	250 mA	18.0 V	40.0 V	10.0 W	12.1 W	58 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	40.20 kΩ
LCI 10W 150mA–400mA TOP C	275 mA	16.4 V	36.4 V	10.0 W	12.1 W	58 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	34.00 kΩ
LCI 10W 150mA–400mA TOP C	300 mA	15.0 V	33.3 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	27.40 kΩ
LCI 10W 150mA–400mA TOP C	325 mA	13.8 V	30.8 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	22.00 kΩ
LCI 10W 150mA–400mA TOP C	350 mA	12.9 V	28.6 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	12.00 kΩ
LCI 10W 150mA–400mA TOP C	375 mA	12.0 V	26.7 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	6.19 kΩ
LCI 10W 150mA–400mA TOP C	400 mA	11.3 V	25.0 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	short circuit (0 kΩ)

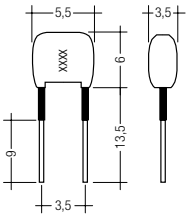
ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV EL
CE RoHS



TALEXdriver LCI 10W 350mA–900mA TOP C

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 10 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

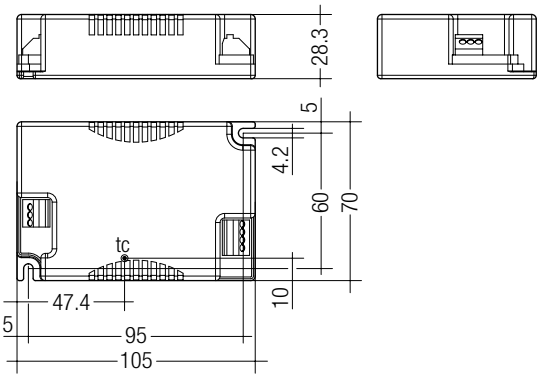
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	13.1 W
Efficiency (at 230 V, 50 Hz, full load)	76 – 82 %
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light (at 230 V, 50 Hz, full load)	< 0.5 s
Time to light (DC mode)	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 10W 350mA–900mA TOP C	**28000190**	10 pc(s).	960 pc(s).	0.115 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 10W 350mA–900mA TOP C	350 mA	12.9 V	28.6 V	10 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	open
LCI 10W 350mA–900mA TOP C	400 mA	11.3 V	25.0 V	10 W	12.3 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	66.50 kΩ
LCI 10W 350mA–900mA TOP C	450 mA	10.0 V	22.2 V	10 W	12.3 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	57.60 kΩ
LCI 10W 350mA–900mA TOP C	500 mA	9.0 V	20.0 V	10 W	12.4 W	60 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	49.90 kΩ
LCI 10W 350mA–900mA TOP C	550 mA	8.2 V	18.2 V	10 W	12.4 W	60 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	42.20 kΩ
LCI 10W 350mA–900mA TOP C	600 mA	7.5 V	16.7 V	10 W	12.5 W	60 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	35.70 kΩ
LCI 10W 350mA–900mA TOP C	650 mA	6.9 V	15.4 V	10 W	12.6 W	61 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	28.70 kΩ
LCI 10W 350mA–900mA TOP C	700 mA	6.4 V	14.3 V	10 W	12.7 W	61 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	22.00 kΩ
LCI 10W 350mA–900mA TOP C	750 mA	6.0 V	13.3 V	10 W	12.8 W	62 mA	0.90	70 °C	-25 ... +60 °C	70/60 °C	15.00 kΩ
LCI 10W 350mA–900mA TOP C	800 mA	5.6 V	12.5 V	10 W	12.9 W	62 mA	0.90	70 °C	-25 ... +60 °C	70/60 °C	10.00 kΩ
LCI 10W 350mA–900mA TOP C	850 mA	5.3 V	11.8 V	10 W	13.0 W	63 mA	0.90	70 °C	-25 ... +60 °C	70/60 °C	5.36 kΩ
LCI 10W 350mA–900mA TOP C	900 mA	5.0 V	11.1 V	10 W	13.1 W	63 mA	0.91	70 °C	-25 ... +60 °C	70/60 °C	short circuit (0 kΩ)

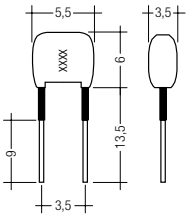
ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV EL
CE RoHS



TALEXdriver LCI 20W 350mA–900mA TOP C

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

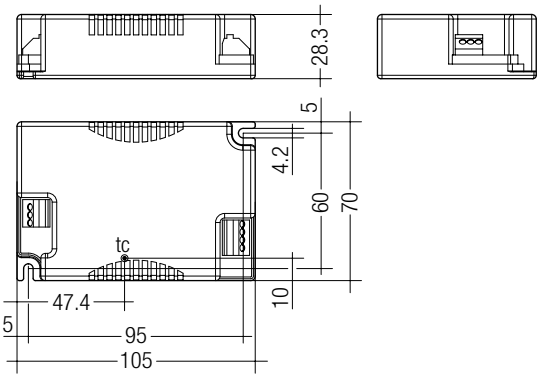
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	24.7 W
Efficiency (at 230 V, 50 Hz, full load)	81 – 85.5 %
THD (at 230 V, 50 Hz, full load)	10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light (at 230 V, 50 Hz, full load)	< 0.5 s
Hold on time at power failure or shutdown	1 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 20W 350mA–900mA TOP C	**28000191**	10 pc(s).	960 pc(s).	0.118 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 20W 350mA–900mA TOP C	350 mA	22 V	48.0 V	16.8 W	19.6 W	93 mA	0.92	80 °C	-25 ... +65 °C	76/60 °C	open
LCI 20W 350mA–900mA TOP C	400 mA	22 V	48.0 V	19.2 W	23.3 W	108 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	66.50 kΩ
LCI 20W 350mA–900mA TOP C	450 mA	20 V	44.4 V	20.0 W	23.4 W	108 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	57.60 kΩ
LCI 20W 350mA–900mA TOP C	500 mA	18 V	40.0 V	20.0 W	23.5 W	109 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	49.90 kΩ
LCI 20W 350mA–900mA TOP C	550 mA	16 V	36.4 V	20.0 W	23.7 W	110 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	42.20 kΩ
LCI 20W 350mA–900mA TOP C	600 mA	15 V	33.3 V	20.0 W	23.8 W	110 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	35.70 kΩ
LCI 20W 350mA–900mA TOP C	650 mA	14 V	30.8 V	20.0 W	23.9 W	111 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	28.70 kΩ
LCI 20W 350mA–900mA TOP C	700 mA	13 V	28.6 V	20.0 W	24.0 W	111 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	22.00 kΩ
LCI 20W 350mA–900mA TOP C	750 mA	12 V	26.7 V	20.0 W	24.1 W	111 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	15.00 kΩ
LCI 20W 350mA–900mA TOP C	800 mA	11 V	25.0 V	20.0 W	24.3 W	112 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	10.00 kΩ
LCI 20W 350mA–900mA TOP C	850 mA	11 V	23.5 V	20.0 W	24.4 W	112 mA	0.95	80 °C	-25 ... +60 °C	74/55 °C	5.36 kΩ
LCI 20W 350mA–900mA TOP C	900 mA	10 V	22.2 V	20.0 W	24.5 W	112 mA	0.95	80 °C	-25 ... +60 °C	74/55 °C	short circuit (0 kΩ)

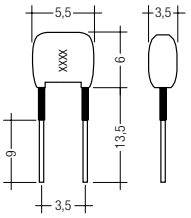
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 35W 350mA–900mA TOP C

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

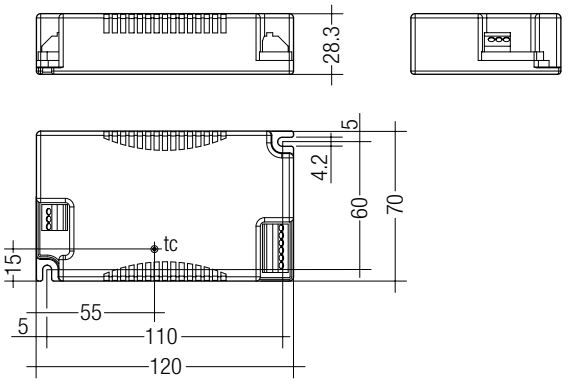
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	42 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 90 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	120 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
PWM frequency (in case of error)	300 Hz
Dimensions L x W x H	120 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 350mA–900mA TOP C	**28000193**	10 pc(s).	960 pc(s).	0.152 kg

For standards see data sheet
Product / function matrix, page 19

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 350mA–900mA TOP C	350 mA	40.5 V	90.0 V	31.5 W	35.3 W	159 mA	0.965	85 °C	-25 ... +65 °C	85/65 °C	open
LCI 35W 350mA–900mA TOP C	400 mA	39.4 V	87.5 V	35.0 W	39.1 W	175 mA	0.970	80 °C	-25 ... +60 °C	80/60 °C	66.50 kΩ
LCI 35W 350mA–900mA TOP C	450 mA	35.0 V	77.8 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	57.60 kΩ
LCI 35W 350mA–900mA TOP C	500 mA	31.5 V	70.0 V	35.0 W	39.6 W	177 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	49.90 kΩ
LCI 35W 350mA–900mA TOP C	550 mA	28.6 V	63.6 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	42.20 kΩ
LCI 35W 350mA–900mA TOP C	600 mA	26.3 V	58.3 V	35.0 W	40.0 W	179 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	35.70 kΩ
LCI 35W 350mA–900mA TOP C	650 mA	24.2 V	53.8 V	35.0 W	39.9 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	28.70 kΩ
LCI 35W 350mA–900mA TOP C	700 mA	22.5 V	50.0 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	22.00 kΩ
LCI 35W 350mA–900mA TOP C	750 mA	21.0 V	46.7 V	35.0 W	39.3 W	176 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	15.00 kΩ
LCI 35W 350mA–900mA TOP C	800 mA	19.7 V	43.8 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	10.00 kΩ
LCI 35W 350mA–900mA TOP C	850 mA	18.5 V	41.2 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	5.36 kΩ
LCI 35W 350mA–900mA TOP C	900 mA	17.5 V	38.9 V	35.0 W	39.6 W	177 mA	0.970	75 °C	-25 ... +50 °C	75/50 °C	short circuit (0 kΩ)

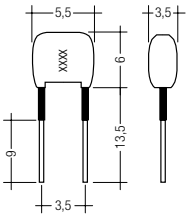
ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



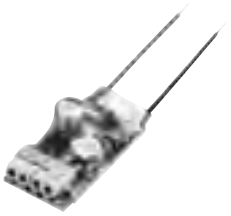


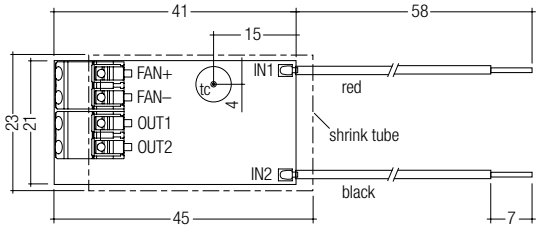
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV EL
CE RoHS



TALEXdriver LCI 35W 900mA–1750mA TOP C

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

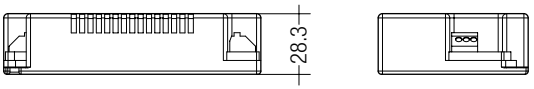
→ For product data sheet go to www.tridonic.com, or available on request

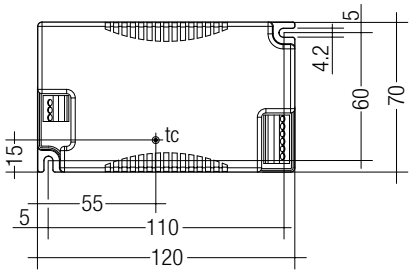
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For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	42.5 W
Efficiency (at 230 V, 50 Hz, full load)	84 – 87 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	120 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 900mA–1750mA TOP C	**28000195**	10 pc(s).	960 pc(s).	0.158 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 900mA–1750mA TOP C	900 mA	17.5 V	38.9 V	35 W	40.2 W	181 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	open
LCI 35W 900mA–1750mA TOP C	950 mA	16.6 V	36.8 V	35 W	40.2 W	181 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	69.80 kΩ
LCI 35W 900mA–1750mA TOP C	1,000 mA	15.8 V	35.0 V	35 W	40.2 W	180 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	64.90 kΩ
LCI 35W 900mA–1750mA TOP C	1,050 mA	15.0 V	33.3 V	35 W	40.2 W	180 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	56.00 kΩ
LCI 35W 900mA–1750mA TOP C	1,100 mA	14.3 V	31.8 V	35 W	40.5 W	181 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	47.50 kΩ
LCI 35W 900mA–1750mA TOP C	1,150 mA	13.7 V	30.4 V	35 W	40.5 W	181 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	43.20 kΩ
LCI 35W 900mA–1750mA TOP C	1,200 mA	13.1 V	29.2 V	35 W	40.6 W	182 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	40.20 kΩ
LCI 35W 900mA–1750mA TOP C	1,250 mA	12.6 V	28.0 V	35 W	40.8 W	183 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	36.50 kΩ
LCI 35W 900mA–1750mA TOP C	1,300 mA	12.1 V	26.9 V	35 W	40.8 W	183 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	32.40 kΩ
LCI 35W 900mA–1750mA TOP C	1,350 mA	11.7 V	25.9 V	35 W	41.0 W	183 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	28.70 kΩ
LCI 35W 900mA–1750mA TOP C	1,400 mA	11.3 V	25.0 V	35 W	41.1 W	184 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	22.00 kΩ
LCI 35W 900mA–1750mA TOP C	1,450 mA	10.9 V	24.1 V	35 W	41.1 W	184 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	17.80 kΩ
LCI 35W 900mA–1750mA TOP C	1,500 mA	10.5 V	23.3 V	35 W	41.2 W	184 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	15.00 kΩ
LCI 35W 900mA–1750mA TOP C	1,550 mA	10.2 V	22.6 V	35 W	41.4 W	185 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	12.10 kΩ
LCI 35W 900mA–1750mA TOP C	1,600 mA	9.8 V	21.9 V	35 W	41.4 W	185 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	9.30 kΩ
LCI 35W 900mA–1750mA TOP C	1,650 mA	9.5 V	21.2 V	35 W	41.4 W	185 mA	0.97	80 °C	-25 ... +50 °C	80/50 °C	6.49 kΩ
LCI 35W 900mA–1750mA TOP C	1,700 mA	9.3 V	20.6 V	35 W	41.7 W	187 mA	0.97	80 °C	-25 ... +50 °C	80/50 °C	3.83 kΩ
LCI 35W 900mA–1750mA TOP C	1,750 mA	9.0 V	20.0 V	35 W	41.7 W	187 mA	0.97	80 °C	-25 ... +50 °C	80/50 °C	short circuit (0 kΩ)

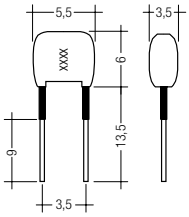
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



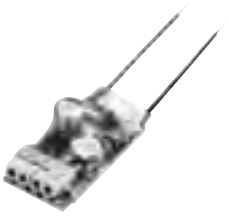


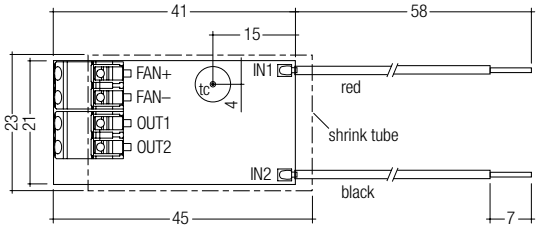
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV EL
CE RoHS



TALEXdriver LCI 55W 900mA–1750mA TOP C

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 55 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

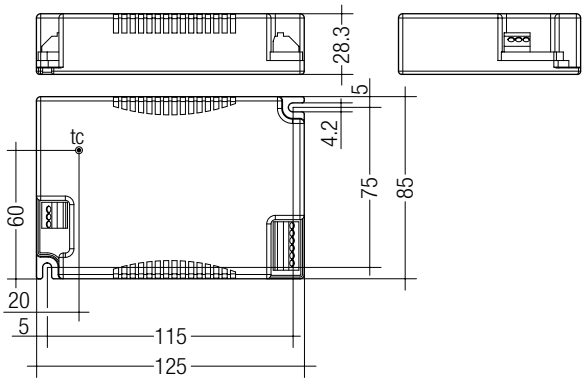
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	64.5 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 90 %
THD (at 230 V, 50 Hz, full load)	10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	125 x 85 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 55W 900mA–1750mA TOP C	**28000199**	10 pc(s).	720 pc(s).	0.178 kg

Specific technical data

Type	Output current	Min. output voltage ①	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V,50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 55W 900mA–1750mA TOP C	900 mA	22 V	48.0 V	43.2 W	48.2 W	216 mA	0.97	70 °C	-25 ... +55 °C	70/55 °C	open
LCI 55W 900mA–1750mA TOP C	950 mA	22 V	48.0 V	45.6 W	50.9 W	228 mA	0.97	70 °C	-25 ... +55 °C	70/55 °C	69.80 kΩ
LCI 55W 900mA–1750mA TOP C	1,000 mA	22 V	48.0 V	48.0 W	53.6 W	239 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	64.90 kΩ
LCI 55W 900mA–1750mA TOP C	1,050 mA	22 V	48.0 V	50.4 W	56.3 W	251 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	56.00 kΩ
LCI 55W 900mA–1750mA TOP C	1,100 mA	22 V	48.0 V	52.8 W	58.9 W	262 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	47.50 kΩ
LCI 55W 900mA–1750mA TOP C	1,150 mA	22 V	47.8 V	55.0 W	61.6 W	274 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	43.20 kΩ
LCI 55W 900mA–1750mA TOP C	1,200 mA	21 V	45.8 V	55.0 W	61.4 W	273 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	40.20 kΩ
LCI 55W 900mA–1750mA TOP C	1,250 mA	20 V	44.0 V	55.0 W	61.2 W	272 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	36.50 kΩ
LCI 55W 900mA–1750mA TOP C	1,300 mA	19 V	42.3 V	55.0 W	61.4 W	273 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	32.40 kΩ
LCI 55W 900mA–1750mA TOP C	1,350 mA	18 V	40.7 V	55.0 W	61.3 W	273 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	28.70 kΩ
LCI 55W 900mA–1750mA TOP C	1,400 mA	18 V	39.3 V	55.0 W	61.9 W	275 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	22.00 kΩ
LCI 55W 900mA–1750mA TOP C	1,450 mA	17 V	37.9 V	55.0 W	61.5 W	274 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	17.80 kΩ
LCI 55W 900mA–1750mA TOP C	1,500 mA	17 V	36.7 V	55.0 W	61.8 W	275 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	15.00 kΩ
LCI 55W 900mA–1750mA TOP C	1,550 mA	16 V	35.5 V	55.0 W	62.1 W	276 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	12.10 kΩ
LCI 55W 900mA–1750mA TOP C	1,600 mA	15 V	34.4 V	55.0 W	62.2 W	277 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	9.30 kΩ
LCI 55W 900mA–1750mA TOP C	1,650 mA	15 V	33.3 V	55.0 W	62.3 W	277 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	6.49 kΩ
LCI 55W 900mA–1750mA TOP C	1,700 mA	15 V	32.4 V	55.0 W	62.6 W	278 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	3.83 kΩ
LCI 55W 900mA–1750mA TOP C	1,750 mA	14 V	31.4 V	55.0 W	62.5 W	277 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	short circuit (0 kΩ)

① Min. output voltage LED Driver is 26 V by using the accessory LCF 12V FAN DRIVER.

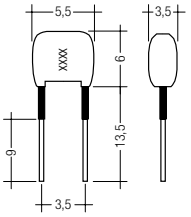
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



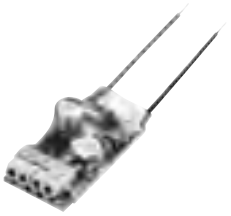


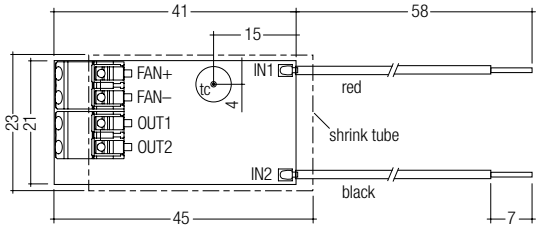
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

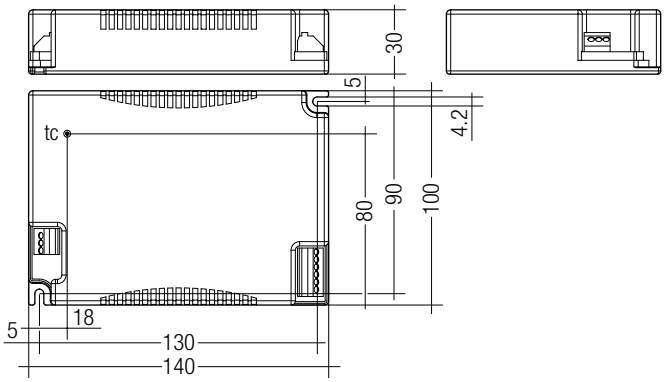
IP20 SELV EL
RoHS



TALEXdriver LCI 100W 900mA–1750mA TOP C

TOP series





Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 100 W
- Suitable for mains voltage peaks (burst/surge) up to 4 kV (L–N) respectively 3 kV (L/N–PE)
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	108.7 W
Efficiency (at 230 V, 50 Hz, full load)	92 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	120 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 15 ms
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	140 x 100 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 100W 900mA–1750mA TOP C	**28000203**	10 pc(s).	500 pc(s).	0.28 kg

Specific technical data

Type	Output current	Min. output voltage ①	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 100W 900mA–1750mA TOP C	900 mA	50 V	85.0 V	76.5 W	83.2 W	369 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	open
LCI 100W 900mA–1750mA TOP C	950 mA	47 V	85.0 V	80.8 W	87.8 W	389 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	69.80 kΩ
LCI 100W 900mA–1750mA TOP C	1,000 mA	45 V	85.0 V	85.0 W	92.4 W	410 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	64.90 kΩ
LCI 100W 900mA–1750mA TOP C	1,050 mA	43 V	85.0 V	89.3 W	97.0 W	430 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	56.00 kΩ
LCI 100W 900mA–1750mA TOP C	1,100 mA	41 V	85.0 V	93.5 W	101.6 W	451 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	47.50 kΩ
LCI 100W 900mA–1750mA TOP C	1,150 mA	39 V	85.0 V	97.8 W	106.3 W	471 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	43.20 kΩ
LCI 100W 900mA–1750mA TOP C	1,200 mA	38 V	83.3 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	40.20 kΩ
LCI 100W 900mA–1750mA TOP C	1,250 mA	36 V	80.0 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	36.50 kΩ
LCI 100W 900mA–1750mA TOP C	1,300 mA	35 V	76.9 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	32.40 kΩ
LCI 100W 900mA–1750mA TOP C	1,350 mA	33 V	74.1 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	28.70 kΩ
LCI 100W 900mA–1750mA TOP C	1,400 mA	32 V	71.4 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	22.00 kΩ
LCI 100W 900mA–1750mA TOP C	1,450 mA	31 V	69.0 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	17.80 kΩ
LCI 100W 900mA–1750mA TOP C	1,500 mA	30 V	66.7 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	15.00 kΩ
LCI 100W 900mA–1750mA TOP C	1,550 mA	29 V	64.5 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	12.10 kΩ
LCI 100W 900mA–1750mA TOP C	1,600 mA	28 V	62.5 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	9.30 kΩ
LCI 100W 900mA–1750mA TOP C	1,650 mA	27 V	60.6 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	6.49 kΩ
LCI 100W 900mA–1750mA TOP C	1,700 mA	26 V	58.8 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	3.83 kΩ
LCI 100W 900mA–1750mA TOP C	1,750 mA	26 V	57.1 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	short circuit (0 kΩ)

① Min. output voltage LED Driver is 26 V by using the accessory LCF 12V FAN DRIVER.

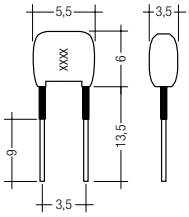
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



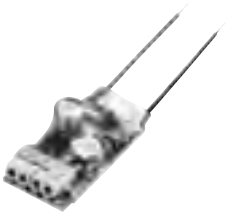


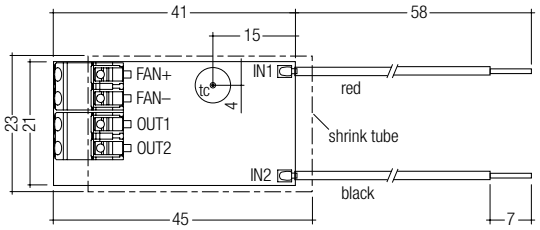
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

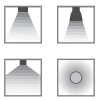
Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV



TALEXdriver LCI 10W 150mA–400mA TOP SR

TOP series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 10 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- 5-year guarantee

Properties

- Casing: polycarbonate, black
- Type of protection IP20

Functions

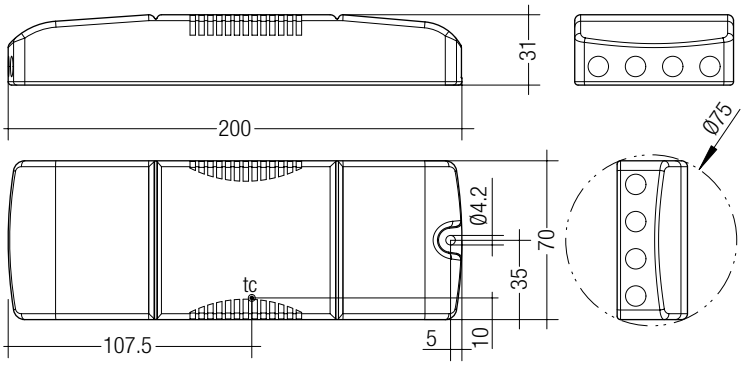
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	12.2 W
Efficiency (at 230 V, 50 Hz, full load)	80 – 84 %
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light (at 230 V, 50 Hz, full load)	< 0.5 s
Time to light (DC mode)	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	200 x 70 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 10W 150mA-400mA TOP SR	**28000814**	10 pc(s).	400 pc(s).	0.181 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 10W 150mA-400mA TOP SR	150 mA	21.6 V	48.0 V	7.2 W	9.0 W	47 mA	0.83	75 °C	-25 ... +65 °C	75/65 °C	open
LCI 10W 150mA-400mA TOP SR	175 mA	21.6 V	48.0 V	8.4 W	10.2 W	52 mA	0.86	75 °C	-25 ... +65 °C	75/65 °C	63.40 kΩ
LCI 10W 150mA-400mA TOP SR	200 mA	21.6 V	48.0 V	9.6 W	11.4 W	56 mA	0.89	75 °C	-25 ... +65 °C	75/65 °C	54.90 kΩ
LCI 10W 150mA-400mA TOP SR	225 mA	20.0 V	44.4 V	10.0 W	11.9 W	57 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	47.50 kΩ
LCI 10W 150mA-400mA TOP SR	250 mA	18.0 V	40.0 V	10.0 W	12.1 W	58 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	40.20 kΩ
LCI 10W 150mA-400mA TOP SR	275 mA	16.4 V	36.4 V	10.0 W	12.1 W	58 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	34.00 kΩ
LCI 10W 150mA-400mA TOP SR	300 mA	15.0 V	33.3 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	27.40 kΩ
LCI 10W 150mA-400mA TOP SR	325 mA	13.8 V	30.8 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	22.00 kΩ
LCI 10W 150mA-400mA TOP SR	350 mA	12.9 V	28.6 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	12.00 kΩ
LCI 10W 150mA-400mA TOP SR	375 mA	12.0 V	26.7 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	6.19 kΩ
LCI 10W 150mA-400mA TOP SR	400 mA	11.3 V	25.0 V	10.0 W	12.2 W	59 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	short circuit (0 kΩ)

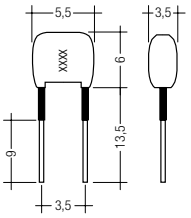
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

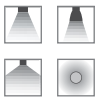




Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.2 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.4 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.0 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 20W 350mA–900mA TOP SR

TOP series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- No tools required for installation
- Through wiring possible
- Integrated terminal cover and strain relief
- 5 separate strain reliefs

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

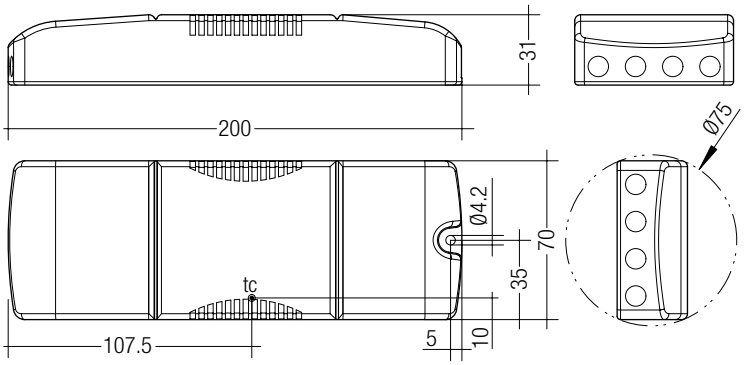
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	24.7 W
Efficiency (at 230 V, 50 Hz, full load)	81 – 85.5 %
THD (at 230 V, 50 Hz, full load)	10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light (at 230 V, 50 Hz, full load)	< 0.5 s
Hold on time at power failure or shutdown	1 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	200 x 70 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 20W 350mA–900mA TOP SR	**28000192**	10 pc(s).	400 pc(s).	0.179 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 20W 350mA–900mA TOP SR	350 mA	22 V	48.0 V	16.8 W	19.6 W	93 mA	0.92	80 °C	-25 ... +65 °C	76/60 °C	open
LCI 20W 350mA–900mA TOP SR	400 mA	22 V	48.0 V	19.2 W	23.3 W	108 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	66.50 kΩ
LCI 20W 350mA–900mA TOP SR	450 mA	20 V	44.4 V	20.0 W	23.4 W	108 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	57.60 kΩ
LCI 20W 350mA–900mA TOP SR	500 mA	18 V	40.0 V	20.0 W	23.5 W	109 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	49.90 kΩ
LCI 20W 350mA–900mA TOP SR	550 mA	16 V	36.4 V	20.0 W	23.7 W	110 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	42.20 kΩ
LCI 20W 350mA–900mA TOP SR	600 mA	15 V	33.3 V	20.0 W	23.8 W	110 mA	0.94	80 °C	-25 ... +65 °C	76/60 °C	35.70 kΩ
LCI 20W 350mA–900mA TOP SR	650 mA	14 V	30.8 V	20.0 W	23.9 W	111 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	28.70 kΩ
LCI 20W 350mA–900mA TOP SR	700 mA	13 V	28.6 V	20.0 W	24.0 W	111 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	22.00 kΩ
LCI 20W 350mA–900mA TOP SR	750 mA	12 V	26.7 V	20.0 W	24.1 W	111 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	15.00 kΩ
LCI 20W 350mA–900mA TOP SR	800 mA	11 V	25.0 V	20.0 W	24.3 W	112 mA	0.94	80 °C	-25 ... +60 °C	74/55 °C	10.00 kΩ
LCI 20W 350mA–900mA TOP SR	850 mA	11 V	23.5 V	20.0 W	24.4 W	112 mA	0.95	80 °C	-25 ... +60 °C	74/55 °C	5.36 kΩ
LCI 20W 350mA–900mA TOP SR	900 mA	10 V	22.2 V	20.0 W	24.5 W	112 mA	0.95	80 °C	-25 ... +60 °C	74/55 °C	short circuit (0 kΩ)

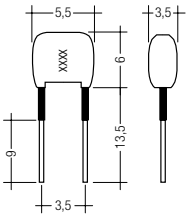
ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 35W 350mA–900mA TOP SR

TOP series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- No tools required for installation
- Through wiring possible
- Integrated terminal cover and strain relief
- 5 separate strain reliefs
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Functions

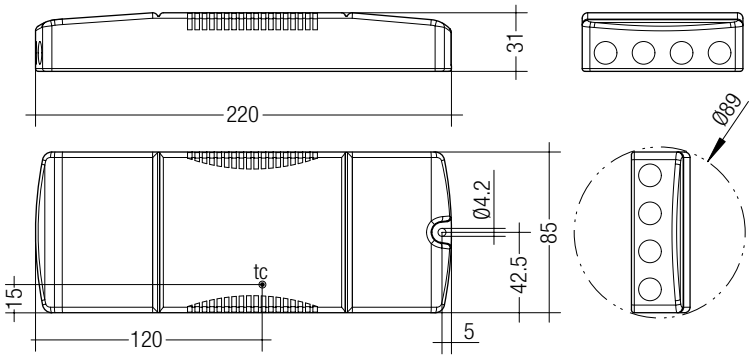
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	42 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 90 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	120 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 350mA–900mA TOP SR	**28000194**	10 pc(s).	400 pc(s).	0.238 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 350mA–900mA TOP SR	350 mA	40.5 V	90.0 V	31.5 W	35.3 W	159 mA	0.965	85 °C	-25 ... +65 °C	85/65 °C	open
LCI 35W 350mA–900mA TOP SR	400 mA	39.4 V	87.5 V	35.0 W	39.1 W	175 mA	0.970	80 °C	-25 ... +60 °C	80/60 °C	66.50 kΩ
LCI 35W 350mA–900mA TOP SR	450 mA	35.0 V	77.8 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	57.60 kΩ
LCI 35W 350mA–900mA TOP SR	500 mA	31.5 V	70.0 V	35.0 W	39.6 W	177 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	49.90 kΩ
LCI 35W 350mA–900mA TOP SR	550 mA	28.6 V	63.6 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	42.20 kΩ
LCI 35W 350mA–900mA TOP SR	600 mA	26.3 V	58.3 V	35.0 W	40.0 W	179 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	35.70 kΩ
LCI 35W 350mA–900mA TOP SR	650 mA	24.2 V	53.8 V	35.0 W	39.9 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	28.70 kΩ
LCI 35W 350mA–900mA TOP SR	700 mA	22.5 V	50.0 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	22.00 kΩ
LCI 35W 350mA–900mA TOP SR	750 mA	21.0 V	46.7 V	35.0 W	39.3 W	176 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	15.00 kΩ
LCI 35W 350mA–900mA TOP SR	800 mA	19.7 V	43.8 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	10.00 kΩ
LCI 35W 350mA–900mA TOP SR	850 mA	18.5 V	41.2 V	35.0 W	39.7 W	178 mA	0.970	80 °C	-25 ... +55 °C	80/55 °C	5.36 kΩ
LCI 35W 350mA–900mA TOP SR	900 mA	17.5 V	38.9 V	35.0 W	39.6 W	177 mA	0.970	75 °C	-25 ... +50 °C	75/50 °C	short circuit (0 kΩ)

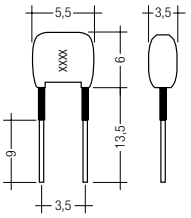
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



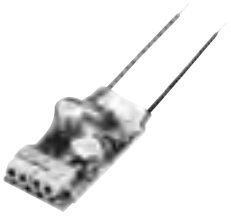


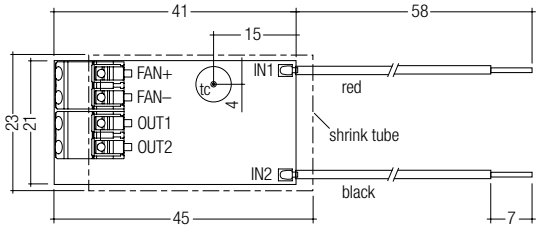
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV



TALEXdriver LCI 35W 900mA–1750mA TOP SR

TOP series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- No tools required for installation
- Through wiring possible
- Integrated terminal cover and strain relief
- 5 separate strain reliefs
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

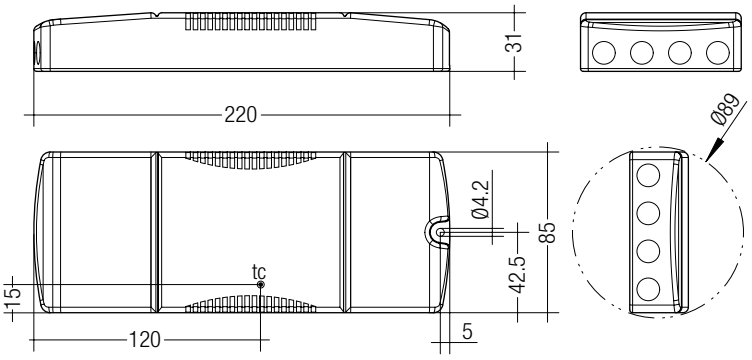
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	42.5 W
Efficiency (at 230 V, 50 Hz, full load)	84 – 87 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 900mA–1750mA TOP SR	**28000196**	10 pc(s).	400 pc(s).	0.243 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 900mA–1750mA TOP SR	900 mA	17.5 V	38.9 V	35 W	40.2 W	181 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	open
LCI 35W 900mA–1750mA TOP SR	950 mA	16.6 V	36.8 V	35 W	40.2 W	181 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	69.80 kΩ
LCI 35W 900mA–1750mA TOP SR	1,000 mA	15.8 V	35.0 V	35 W	40.2 W	180 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	64.90 kΩ
LCI 35W 900mA–1750mA TOP SR	1,050 mA	15.0 V	33.3 V	35 W	40.2 W	180 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	56.00 kΩ
LCI 35W 900mA–1750mA TOP SR	1,100 mA	14.3 V	31.8 V	35 W	40.5 W	181 mA	0.97	85 °C	-25 ... +60 °C	85/60 °C	47.50 kΩ
LCI 35W 900mA–1750mA TOP SR	1,150 mA	13.7 V	30.4 V	35 W	40.5 W	181 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	43.20 kΩ
LCI 35W 900mA–1750mA TOP SR	1,200 mA	13.1 V	29.2 V	35 W	40.6 W	182 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	40.20 kΩ
LCI 35W 900mA–1750mA TOP SR	1,250 mA	12.6 V	28.0 V	35 W	40.8 W	183 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	36.50 kΩ
LCI 35W 900mA–1750mA TOP SR	1,300 mA	12.1 V	26.9 V	35 W	40.8 W	183 mA	0.97	80 °C	-25 ... +55 °C	80/55 °C	32.40 kΩ
LCI 35W 900mA–1750mA TOP SR	1,350 mA	11.7 V	25.9 V	35 W	41.0 W	183 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	28.70 kΩ
LCI 35W 900mA–1750mA TOP SR	1,400 mA	11.3 V	25.0 V	35 W	41.1 W	184 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	22.00 kΩ
LCI 35W 900mA–1750mA TOP SR	1,450 mA	10.9 V	24.1 V	35 W	41.1 W	184 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	17.80 kΩ
LCI 35W 900mA–1750mA TOP SR	1,500 mA	10.5 V	23.3 V	35 W	41.2 W	184 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	15.00 kΩ
LCI 35W 900mA–1750mA TOP SR	1,550 mA	10.2 V	22.6 V	35 W	41.4 W	185 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	12.10 kΩ
LCI 35W 900mA–1750mA TOP SR	1,600 mA	9.8 V	21.9 V	35 W	41.4 W	185 mA	0.97	75 °C	-25 ... +50 °C	75/50 °C	9.30 kΩ
LCI 35W 900mA–1750mA TOP SR	1,650 mA	9.5 V	21.2 V	35 W	41.4 W	185 mA	0.97	80 °C	-25 ... +50 °C	80/50 °C	6.49 kΩ
LCI 35W 900mA–1750mA TOP SR	1,700 mA	9.3 V	20.6 V	35 W	41.7 W	187 mA	0.97	80 °C	-25 ... +50 °C	80/50 °C	3.83 kΩ
LCI 35W 900mA–1750mA TOP SR	1,750 mA	9.0 V	20.0 V	35 W	41.7 W	187 mA	0.97	80 °C	-25 ... +50 °C	80/50 °C	short circuit (0 kΩ)

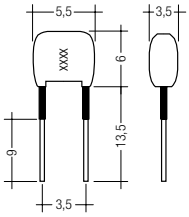
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



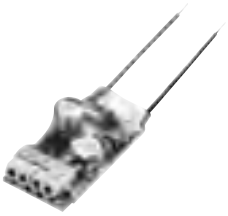


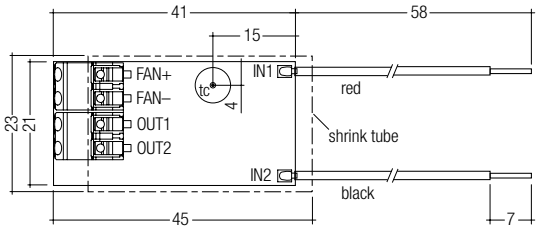
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

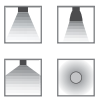
Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV



TALEXdriver LCI 55W 900mA–1750mA TOP SR

TOP series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 55 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- No tools required for installation
- Through wiring possible
- Integrated terminal cover and strain relief
- 5 separate strain reliefs
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Functions

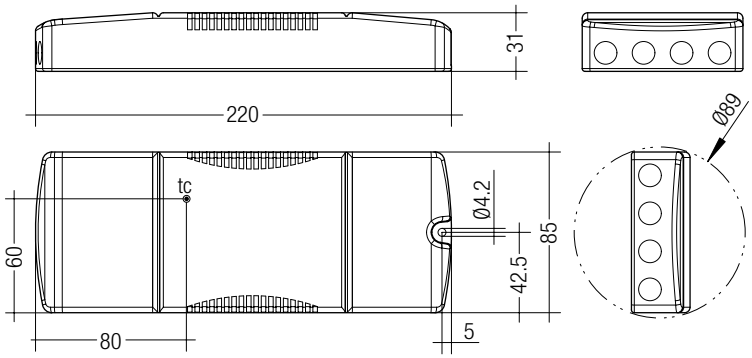
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	64.5 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 90 %
THD (at 230 V, 50 Hz, full load)	10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 55W 900mA–1750mA TOP SR	**28000200**	10 pc(s).	400 pc(s).	0.251 kg

Specific technical data

Type	Output current	Min. output voltage ①	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 55W 900mA–1750mA TOP SR	900 mA	22 V	48.0 V	43.2 W	48.2 W	216 mA	0.97	70 °C	-25 ... +55 °C	70/55 °C	open
LCI 55W 900mA–1750mA TOP SR	950 mA	22 V	48.0 V	45.6 W	50.9 W	228 mA	0.97	70 °C	-25 ... +55 °C	70/55 °C	69.80 kΩ
LCI 55W 900mA–1750mA TOP SR	1,000 mA	22 V	48.0 V	48.0 W	53.6 W	239 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	64.90 kΩ
LCI 55W 900mA–1750mA TOP SR	1,050 mA	22 V	48.0 V	50.4 W	56.3 W	251 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	56.00 kΩ
LCI 55W 900mA–1750mA TOP SR	1,100 mA	22 V	48.0 V	52.8 W	58.9 W	262 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	47.50 kΩ
LCI 55W 900mA–1750mA TOP SR	1,150 mA	22 V	47.8 V	55.0 W	61.6 W	274 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	43.20 kΩ
LCI 55W 900mA–1750mA TOP SR	1,200 mA	21 V	45.8 V	55.0 W	61.4 W	273 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	40.20 kΩ
LCI 55W 900mA–1750mA TOP SR	1,250 mA	20 V	44.0 V	55.0 W	61.2 W	272 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	36.50 kΩ
LCI 55W 900mA–1750mA TOP SR	1,300 mA	19 V	42.3 V	55.0 W	61.4 W	273 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	32.40 kΩ
LCI 55W 900mA–1750mA TOP SR	1,350 mA	18 V	40.7 V	55.0 W	61.3 W	273 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	28.70 kΩ
LCI 55W 900mA–1750mA TOP SR	1,400 mA	18 V	39.3 V	55.0 W	61.9 W	275 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	22.00 kΩ
LCI 55W 900mA–1750mA TOP SR	1,450 mA	17 V	37.9 V	55.0 W	61.5 W	274 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	17.80 kΩ
LCI 55W 900mA–1750mA TOP SR	1,500 mA	17 V	36.7 V	55.0 W	61.8 W	275 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	15.00 kΩ
LCI 55W 900mA–1750mA TOP SR	1,550 mA	16 V	35.5 V	55.0 W	62.1 W	276 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	12.10 kΩ
LCI 55W 900mA–1750mA TOP SR	1,600 mA	15 V	34.4 V	55.0 W	62.2 W	277 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	9.30 kΩ
LCI 55W 900mA–1750mA TOP SR	1,650 mA	15 V	33.3 V	55.0 W	62.3 W	277 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	6.49 kΩ
LCI 55W 900mA–1750mA TOP SR	1,700 mA	15 V	32.4 V	55.0 W	62.6 W	278 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	3.83 kΩ
LCI 55W 900mA–1750mA TOP SR	1,750 mA	14 V	31.4 V	55.0 W	62.5 W	277 mA	0.98	65 °C	-25 ... +50 °C	65/50 °C	short circuit (0 kΩ)

① Min. output voltage LED Driver is 26 V by using the accessory LCF 12V FAN DRIVER.

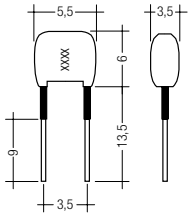
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



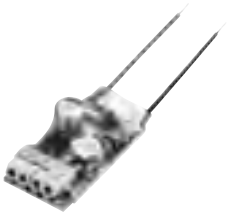


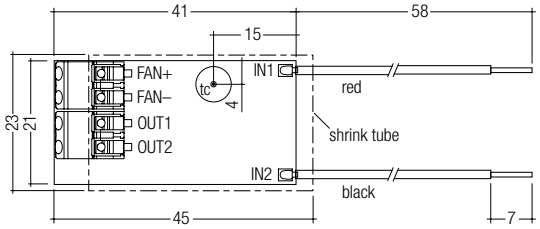
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

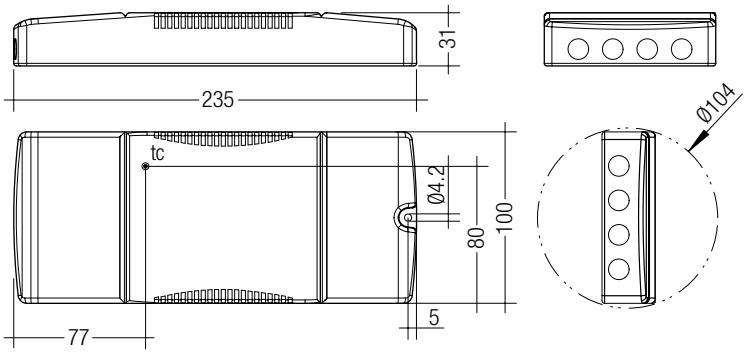
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV

TALEXdriver LCI 100W 900mA–1750mA TOP SR

TOP series





Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 100 W
- Suitable for mains voltage peaks (burst/surge) up to 4 kV (L–N) respectively 3 kV (L/N–PE)
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- No tools required for installation
- Through wiring possible
- Integrated terminal cover and strain relief
- 5 separate strain reliefs
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	108.7 W
Efficiency (at 230 V, 50 Hz, full load)	92 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	120 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 15 ms
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	235 x 100 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 100W 900mA-1750mA TOP SR	**28000204**	10 pc(s).	300 pc(s).	0.37 kg

Specific technical data

Type	Output current	Min. output voltage ①	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 100W 900mA-1750mA TOP SR	900 mA	50 V	85.0 V	76.5 W	83.2 W	369 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	open
LCI 100W 900mA-1750mA TOP SR	950 mA	47 V	85.0 V	80.8 W	87.8 W	389 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	69.80 kΩ
LCI 100W 900mA-1750mA TOP SR	1,000 mA	45 V	85.0 V	85.0 W	92.4 W	410 mA	0.98	70 °C	-25 ... +55 °C	70/55 °C	64.90 kΩ
LCI 100W 900mA-1750mA TOP SR	1,050 mA	43 V	85.0 V	89.3 W	97.0 W	430 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	56.00 kΩ
LCI 100W 900mA-1750mA TOP SR	1,100 mA	41 V	85.0 V	93.5 W	101.6 W	451 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	47.50 kΩ
LCI 100W 900mA-1750mA TOP SR	1,150 mA	39 V	85.0 V	97.8 W	106.3 W	471 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	43.20 kΩ
LCI 100W 900mA-1750mA TOP SR	1,200 mA	38 V	83.3 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	40.20 kΩ
LCI 100W 900mA-1750mA TOP SR	1,250 mA	36 V	80.0 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	36.50 kΩ
LCI 100W 900mA-1750mA TOP SR	1,300 mA	35 V	76.9 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	32.40 kΩ
LCI 100W 900mA-1750mA TOP SR	1,350 mA	33 V	74.1 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	28.70 kΩ
LCI 100W 900mA-1750mA TOP SR	1,400 mA	32 V	71.4 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	22.00 kΩ
LCI 100W 900mA-1750mA TOP SR	1,450 mA	31 V	69.0 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	17.80 kΩ
LCI 100W 900mA-1750mA TOP SR	1,500 mA	30 V	66.7 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	15.00 kΩ
LCI 100W 900mA-1750mA TOP SR	1,550 mA	29 V	64.5 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	12.10 kΩ
LCI 100W 900mA-1750mA TOP SR	1,600 mA	28 V	62.5 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	9.30 kΩ
LCI 100W 900mA-1750mA TOP SR	1,650 mA	27 V	60.6 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	6.49 kΩ
LCI 100W 900mA-1750mA TOP SR	1,700 mA	26 V	58.8 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	3.83 kΩ
LCI 100W 900mA-1750mA TOP SR	1,750 mA	26 V	57.1 V	100.0 W	108.7 W	482 mA	0.98	75 °C	-25 ... +50 °C	75/50 °C	short circuit (0 kΩ)

① Min. output voltage LED Driver is 26 V by using the accessory LCF 12V FAN DRIVER.

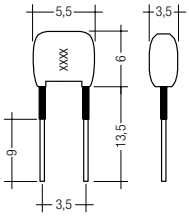
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



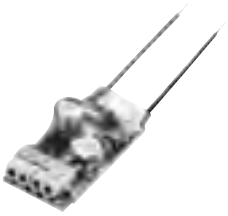


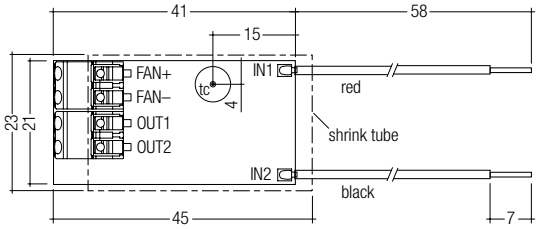
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV

TALEXdriver LCI 5W 350mA IP20

TEC series

Product description

- Constant current LED Driver
- Universal input voltage range
- Constant output current 350 mA
- Strain relief
- Screw terminal

Properties

- Low power loss
- Overtemperature protection
- Overload protection with automatic restart
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Casing: polycarbonate, white

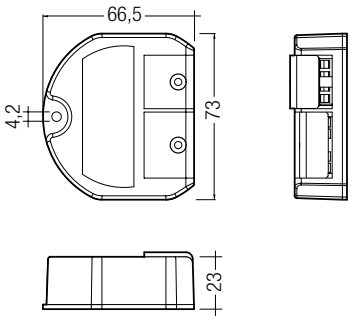
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC	120 – 240 V
Rated current (at 230 V, 50 Hz)	0.08 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 70 %
λ	0.37
Max. input power	7 W
Output current tolerance	± 8 %
Output current ripple	± 25 %
Max. repetitive output peak current	470 mA
Max. non-repetitive output peak current	470 mA
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
ta operating (at life-time 50,000 h)	-25 ... +40 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	73 x 67 x 23 mm

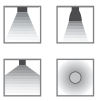
Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 005/0350 E020	**24166311**	60 pc(s).	3,600 pc(s).	0.12 kg

Specific technical data

Type	Output current	Output voltage range
LCI 005/0350 E020	350 mA	8 – 15 V

IP20 SELV RoHS



TALEXdriver LCI 15W 350mA IP20

TEC series

Product description

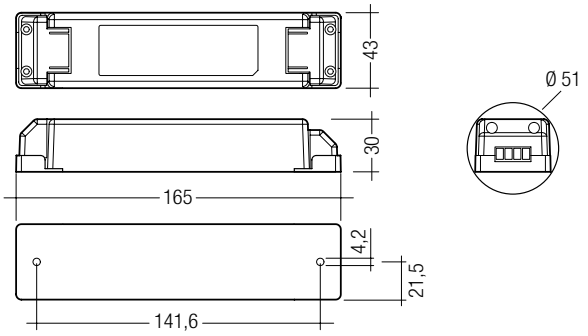
- Constant current LED Driver
- Universal input voltage range
- Constant output current 350 mA
- Strain relief
- Screw terminal

Properties

- High efficiency
- Low power loss
- Overtemperature protection
- Overload protection with automatic restart
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Casing: polycarbonate, white

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC	120 – 240 V
Rated current (at 230 V, 50 Hz)	0.08 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 75 %
λ	0.91
Max. input power	17 W
Output current tolerance	± 8 %
Output current ripple	± 32 %
Max. repetitive output peak current	500 mA
Max. non-repetitive output peak current	550 mA
Max. output voltage (no-load voltage)	48 V
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
ta operating (at life-time 50,000 h)	-25 ... +40 °C
Max. casing temperature tc	70 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	165 x 43 x 30 mm
Hole spacing D	142 mm

→

For standards see data sheet

Product / function matrix, page 19

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 015/0350 E020	**24166312**	40 pc(s).	2,000 pc(s).	0.14 kg

Specific technical data

Type	Output current	Output voltage range
LCI 015/0350 E020	350 mA	21 – 43 V

IP20 SELV

TALEXdriver LCI 15W 700mA IP20

TEC series

Product description

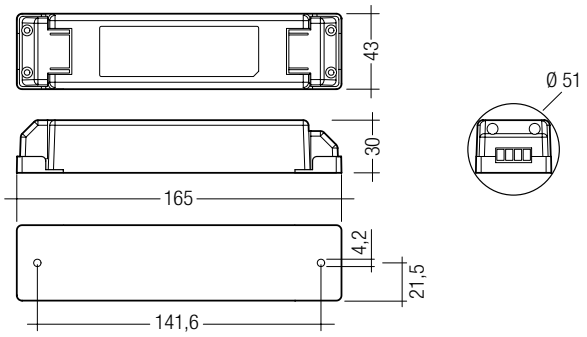
- Constant current LED Driver
- Universal input voltage range
- Constant output current 700 mA
- Strain relief
- Screw terminal

Properties

- High efficiency
- Low power loss
- Overtemperature protection
- Overload protection with automatic restart
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Casing: polycarbonate, white

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC	120 – 240 V
Rated current (at 230 V, 50 Hz)	0.08 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 75 %
λ	> 0.95
Max. input power	17 W
Output current tolerance	± 8 %
Output current ripple	± 35 %
Max. repetitive output peak current	1,020 mA
Max. non-repetitive output peak current	1,150 mA
Max. output voltage (no-load voltage)	30 V
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
ta operating (at life-time 50,000 h)	-25 ... +40 °C
Max. casing temperature tc	70 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	165 x 43 x 30 mm
Hole spacing D	142 mm

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For standards see data sheet

Product / function matrix, page 19

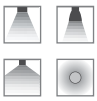
Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 015/0700 E020	**24166313**	40 pc(s).	2,000 pc(s).	0.14 kg

Specific technical data

Type	Output current	Output voltage range
LCI 015/0700 E020	700 mA	10 – 21.5 V

IP20 SELV RoHS



TALEXdriver LCI 30W 700mA IP20

TEC series

Product description

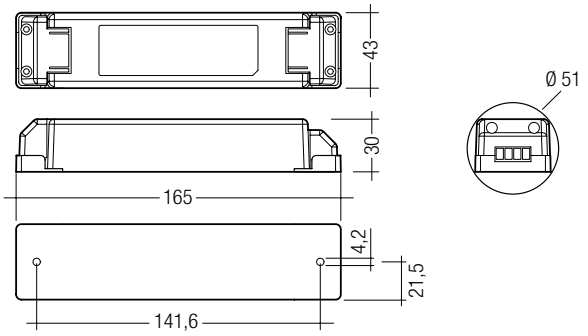
- Constant current LED Driver
- Universal input voltage range
- Constant output current 700 mA
- Strain relief
- Screw terminal

Properties

- High efficiency
- Low power loss
- Overtemperature protection
- Overload protection with automatic restart
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Casing: polycarbonate, white

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC	120 – 240 V
Rated current (at 230 V, 50 Hz)	0.16 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 80 %
λ	> 0.95
Max. input power	35 W
Output current tolerance	± 8 %
Output current ripple	± 43 %
Max. repetitive output peak current	1,100 mA
Max. non-repetitive output peak current	1,100 mA
Max. output voltage (no-load voltage)	48 V
Output power	30 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
ta operating (at life-time 50,000 h)	-25 ... +40 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	165 x 43 x 30 mm
Hole spacing D	142 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 030/0700 E020	**24166314**	40 pc(s).	2,000 pc(s).	0.2 kg

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For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Output voltage range
LCI 030/0700 E020	700 mA	21 – 43 V

IP20 SELV



TALEXdriver LCI 10W 350/500/700mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 10 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

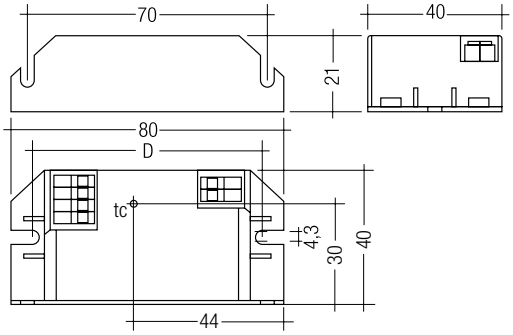
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.07 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	11.5 W
Max. input power	12.5 W
Typ. output power	10 W
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	80 x 40 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 10W 350mA TEC C	**87500239**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.043 kg
LCI 10W 500mA TEC C	**87500241**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.044 kg
LCI 10W 700mA TEC C	**87500243**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.044 kg

→

For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current	Max. non-repetitive output peak current ①	Typical ripple current at full load
LCI 10W 350mA TEC C	350 mA	0.75C	82 %	0.7C	78 %	13.0 V	29.0 V	33 V	460 mA	460 mA	± 20 %
LCI 10W 500mA TEC C	500 mA	0.75C	82 %	0.7C	77 %	9.0 V	20.0 V	27 V	700 mA	700 mA	± 30 %
LCI 10W 700mA TEC C	700 mA	0.75C	80 %	0.7C	75 %	6.5 V	14.5 V	21 V	980 mA	980 mA	± 30 %

① Test result at 230 V, 50 Hz.

IP20 SELV



TALEXdriver LCI 20W 350/500/700mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 20 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

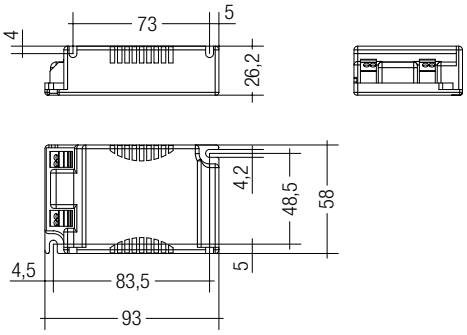
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.1 A
Mains frequency	50 / 60 Hz
Max. input power	24 W
Output power	20 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 40 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	93 x 58 x 26.2 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 20W 350mA TEC C	**87500079**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.081 kg
LCI 20W 500mA TEC C	**87500188**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.080 kg
LCI 20W 700mA TEC C	**87500190**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.081 kg

For standards see data sheet
Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 20W 350mA TEC C	350 mA	0.95	86 %	0.89C	83 %	26 V	57 V	66 V	530 mA	610 mA	660 mA	810 mA
LCI 20W 500mA TEC C	500 mA	0.95	86 %	0.87C	82 %	18 V	40 V	46 V	760 mA	860 mA	940 mA	1,120 mA
LCI 20W 700mA TEC C	700 mA	0.95	85 %	0.86C	80 %	13 V	29 V	33 V	1,060 mA	1,250 mA	1,330 mA	1,580 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV



TALEXdriver LCI 35W 350/500/700/1050mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 1,050 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

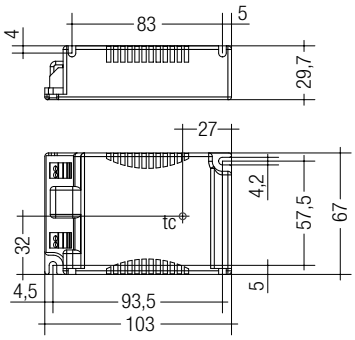
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.17 A
Mains frequency	50 / 60 Hz
Max. input power	41.5 W
Output power	35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 350mA TEC C	**87500192**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.126 kg
LCI 35W 500mA TEC C	**87500194**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.127 kg
LCI 35W 700mA TEC C	**87500196**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.124 kg
LCI 35W 1050mA TEC C	**87500198**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.129 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Typical ripple current at full load	Max. casing temperature tc
LCI 35W 350mA TEC C	350 mA	0.98	90.0 %	0.95	88.5 %	50.0 V	100.0 V	115 V	470 mA	550 mA	630 mA	850 mA	± 25 %	75 °C
LCI 35W 500mA TEC C	500 mA	0.98	90.0 %	0.95	88.0 %	35.0 V	70.0 V	85 V	680 mA	810 mA	800 mA	1,120 mA	± 25 %	80 °C
LCI 35W 700mA TEC C	700 mA	0.99	89.5 %	0.96	86.5 %	25.0 V	50.0 V	60 V	980 mA	1,130 mA	1,170 mA	1,470 mA	± 30 %	80 °C
LCI 35W 1050mA TEC C	1,050 mA	0.98	88.0 %	0.94C	83.0 %	16.5 V	33.5 V	40 V	1,470 mA	1,700 mA	1,800 mA	2,350 mA	± 30 %	80 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV



TALEXdriver LCI 42W 900/1050mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 900 or 1,050 mA
- Max. output power 42 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

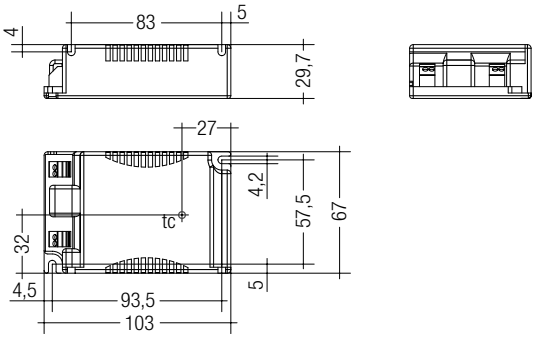
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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.205 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	46.5 W
Max. input power	48 W
Typ. output power	42 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	103 x 67 x 29 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 42W 900mA TEC C	**87500245**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.132 kg
LCI 42W 1050mA TEC C	**87500247**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.132 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 42W 900mA TEC C	900 mA	0.98	90 %	0.95	86 %	23 V	47 V	60 V	1,260 mA	1,460 mA	1,360 mA	1,690 mA	75 °C
LCI 42W 1050mA TEC C	1,050 mA	0.98	90 %	0.95	85 %	20 V	40 V	50 V	1,470 mA	1,700 mA	1,610 mA	1,890 mA	80 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV



TALEXdriver LCI 60W 700/1050mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 700 or 1,050 mA
- Max. output power 60 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

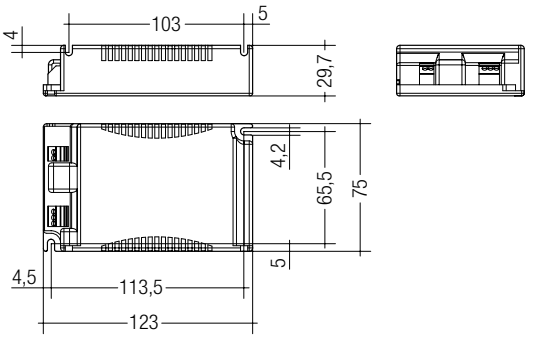
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.29 A
Mains frequency	50 / 60 Hz
Max. input power	70 W
Output power	60 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	123 x 75 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 60W 700mA TEC C	**87500200**	10 pc(s).	180 pc(s).	2,160 pc(s).	0.182 kg
LCI 60W 1050mA TEC C	**87500202**	10 pc(s).	180 pc(s).	2,160 pc(s).	0.187 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 60W 700mA TEC C	700 mA	0.98	91.5 %	0.93C	90 %	46.5 V	85.5 V	92 V	950 mA	1,100 mA	1,050 mA	1,150 mA	85 °C
LCI 60W 1050mA TEC C	1,050 mA	0.98	90.5 %	0.93C	89 %	31.0 V	57.0 V	62 V	1,420 mA	1,640 mA	1,420 mA	1,650 mA	95 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV



TALEXdriver LCI 65W 1400/1750mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,400 or 1,750 mA
- Max. output power 65 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

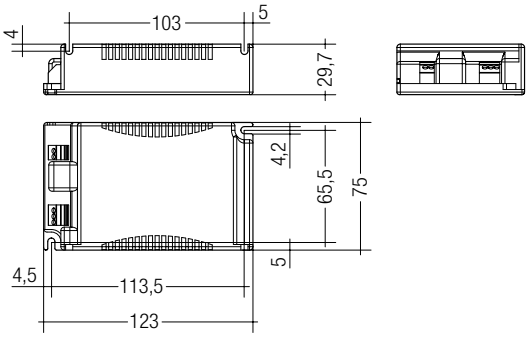
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.32 A
Mains frequency	50 / 60 Hz
Max. input power	75 W
Output power	65 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	95 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	123 x 75 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 65W 1400mA TEC C	**87500204**	10 pc(s).	180 pc(s).	2,160 pc(s).	0.188 kg
LCI 65W 1750mA TEC C	**87500206**	10 pc(s).	180 pc(s).	2,160 pc(s).	0.189 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 65W 1400mA TEC C	1,400 mA	0.98	90 %	0.93C	88.5 %	23.0 V	46.5 V	55 V	1,960 mA	2,190 mA	1,960 mA	2,340 mA
LCI 65W 1750mA TEC C	1,750 mA	0.98	90 %	0.93C	87.5 %	18.5 V	37.0 V	43 V	2,450 mA	2,920 mA	2,450 mA	2,950 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

For standards see data sheet
Product / function matrix, page 19

IP20 SELV



TALEXdriver LCI 100W 1400/1750/2100mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,400, 1,750 or 2,100 mA
- Max. output power 100 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Brush-coated for higher protection against humidity
- Type of protection IP20

Functions

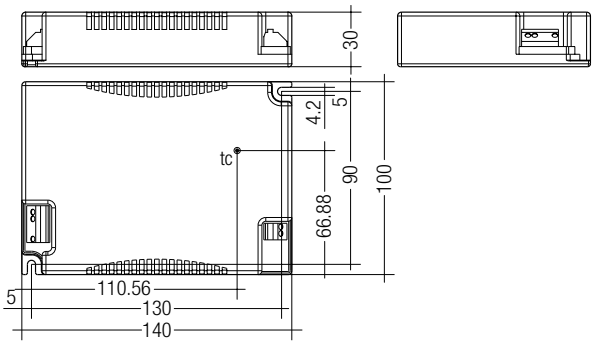
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 2 kV
- Surge protection voltage up to 2 kV (L to N)
- Surge protection voltage up to 4 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.47 A
Mains frequency	50 / 60 Hz
Max. input power	115 W
Output power range	50 – 100 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 15 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h)	60 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	140 x 100 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 100W 1400mA TEC C	**87500267**	10 pc(s).	240 pc(s).	1,200 pc(s).	0.278 kg
LCI 100W 1750mA TEC C	**87500268**	10 pc(s).	240 pc(s).	1,200 pc(s).	0.278 kg
LCI 100W 2100mA TEC C	**87500269**	10 pc(s).	240 pc(s).	1,200 pc(s).	0.278 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current	Max. non-repetitive output peak current ①	Max. casing temperature tc
LCI 100W 1400mA TEC C	1,400 mA	0.98	94.0 %	0.93	90 %	35.5 V	71.5 V	76.5 V	1,680 mA	2,100 mA	80 °C
LCI 100W 1750mA TEC C	1,750 mA	0.99	93.5 %	0.95	90 %	28.5 V	58.0 V	62.0 V	2,100 mA	2,625 mA	80 °C
LCI 100W 2100mA TEC C	2,100 mA	0.99	93.5 %	0.94	89 %	23.5 V	47.5 V	50.5 V	2,520 mA	3,150 mA	85 °C

① Test result at 230 V, 50 Hz.

IP20 SELV



TALEXdriver LCI 150W 1750/2100/2450mA TEC C

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,750, 2,100 or 2,450 mA
- Max. output power 150 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Brush-coated for higher protection against humidity
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 2 kV
- Surge protection voltage up to 2 kV (L to N)
- Surge protection voltage up to 4 kV (L/N to earth)

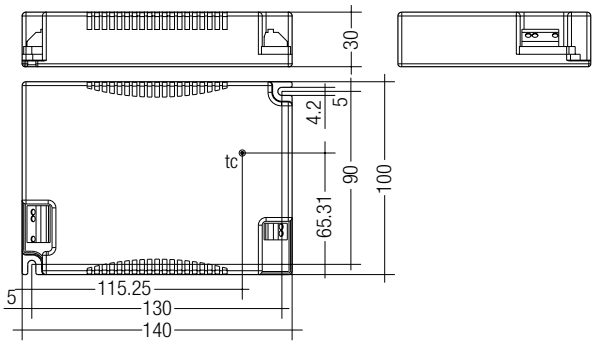
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.7 A
Mains frequency	50 / 60 Hz
Max. input power	170 W
Output power range	75 – 150 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h)	60 °C
Max. casing temperature tc	95 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	140 x 100 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 150W 1750mA TEC C	**87500270**	10 pc(s).	240 pc(s).	1,200 pc(s).	0.335 kg
LCI 150W 2100mA TEC C	**87500271**	10 pc(s).	240 pc(s).	1,200 pc(s).	0.335 kg
LCI 150W 2450mA TEC C	**87500272**	10 pc(s).	240 pc(s).	1,200 pc(s).	0.335 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current	Max. non-repetitive output peak current ①
LCI 150W 1750mA TEC C	1,750 mA	0.99	94.5 %	0.98	91.0 %	43.0 V	86.0 V	90 V	2,100 mA	2,625 mA
LCI 150W 2100mA TEC C	2,100 mA	0.99	94.0 %	0.97	91.0 %	35.5 V	71.5 V	76 V	2,520 mA	3,150 mA
LCI 150W 2450mA TEC C	2,450 mA	0.99	93.5 %	0.98	89.5 %	30.5 V	61.0 V	65 V	2,940 mA	3,675 mA

① Test result at 230 V, 50 Hz.

IP20 SELV RoHS

TALEXdriver LCI 10W 350/500/700mA TEC SR

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 10 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

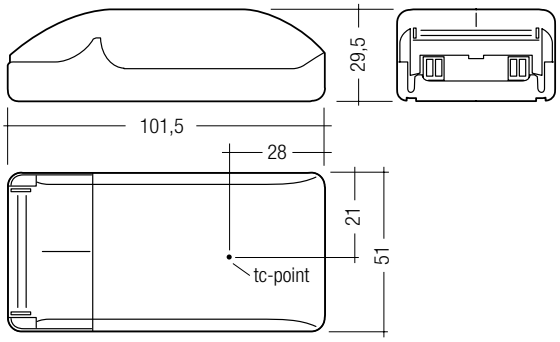
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.07 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	11.5 W
Max. input power	12.5 W
Typ. output power	10 W
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 10W 350mA TEC SR	**87500240**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.057 kg
LCI 10W 500mA TEC SR	**87500242**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.059 kg
LCI 10W 700mA TEC SR	**87500244**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.059 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output voltage range ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①	Typical ripple current at full load
LCI 10W 350mA TEC SR	350 mA	0.75C	83 %	0.7C	79 %	13.0 – 29.0 V	33 V	460 mA	460 mA	± 20 %
LCI 10W 500mA TEC SR	500 mA	0.75C	82 %	0.7C	78 %	9.0 – 20.0 V	27 V	700 mA	700 mA	± 25 %
LCI 10W 700mA TEC SR	700 mA	0.75C	81 %	0.7C	76 %	6.5 – 14.5 V	21 V	980 mA	980 mA	± 25 %

① Test result at 230 V, 50 Hz.

IP20 SELV

TALEXdriver LCI 20W 350/500/700mA TEC SR

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Output power 20 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

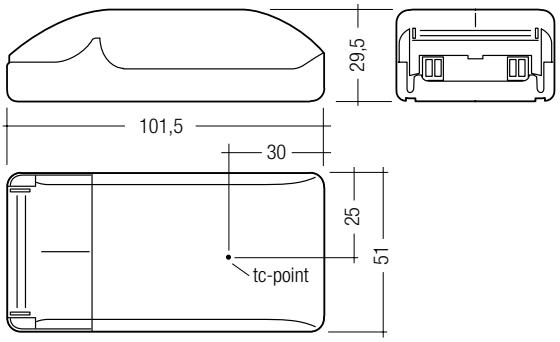
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.1 A
Mains frequency	50 / 60 Hz
Max. input power	24 W
Typ. output power	20 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 40 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 20W 350mA TEC SR	**87500187**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.084 kg
LCI 20W 500mA TEC SR	**87500189**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.085 kg
LCI 20W 700mA TEC SR	**87500191**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.085 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output voltage range ①	Max. output voltage	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 20W 350mA TEC SR	350 mA	0.95	86 %	0.89C	83 %	26 – 57 V	66 V	530 mA	610 mA	660 mA	810 mA
LCI 20W 500mA TEC SR	500 mA	0.95	86 %	0.87C	82 %	18 – 40 V	46 V	760 mA	860 mA	940 mA	1,120 mA
LCI 20W 700mA TEC SR	700 mA	0.95	85 %	0.86C	80 %	13 – 29 V	33 V	1,060 mA	1,250 mA	1,330 mA	1,580 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

TALEXdriver LCI 35W 350/500/700/1050mA TEC SR

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 1,050 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

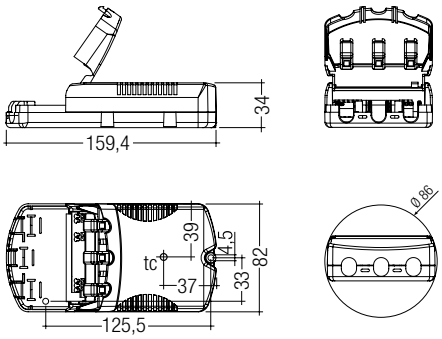
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.17 A
Mains frequency	50 / 60 Hz
Max. input power	41.5 W
Typ. output power	35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 350mA TEC SR	**87500193**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.181 kg
LCI 35W 500mA TEC SR	**87500195**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.183 kg
LCI 35W 700mA TEC SR	**87500197**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.181 kg
LCI 35W 1050mA TEC SR	**87500199**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.185 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output voltage range ①	Max. output voltage	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 35W 350mA TEC SR	350 mA	0.98	90.0 %	0.95	88.5 %	50.0 – 100.0 V	115 V	470 mA	550 mA	630 mA	850 mA
LCI 35W 500mA TEC SR	500 mA	0.98	90.0 %	0.95	88.0 %	35.0 – 70.0 V	85 V	680 mA	810 mA	800 mA	1,120 mA
LCI 35W 700mA TEC SR	700 mA	0.99	89.5 %	0.96	86.5 %	25.0 – 50.0 V	60 V	980 mA	1,130 mA	1,170 mA	1,470 mA
LCI 35W 1050mA TEC SR	1,050 mA	0.98	88.0 %	0.94C	83.0 %	16.5 – 33.5 V	40 V	1,470 mA	1,700 mA	1,800 mA	2,350 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

TALEXdriver LCI 42W 900/1050mA TEC SR

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 900 or 1,050 mA
- Max. output power 42 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

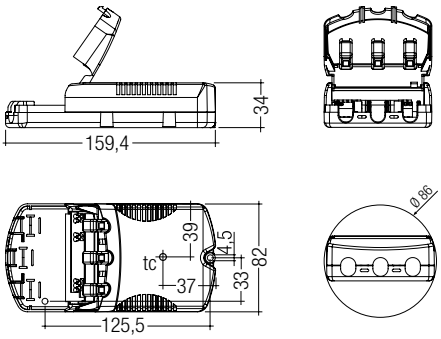
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.205 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	46.5 W
Max. input power	48 W
Typ. output power	42 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 42W 900mA TEC SR	**87500246**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.200 kg
LCI 42W 1050mA TEC SR	**87500248**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.188 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 42W 900mA TEC SR	900 mA	0.98	90 %	0.95	86 %	23 V	47 V	60 V	1,260 mA	1,460 mA	1,360 mA	1,690 mA	75 °C
LCI 42W 1050mA TEC SR	1,050 mA	0.98	90 %	0.95	85 %	20 V	40 V	50 V	1,470 mA	1,700 mA	1,610 mA	1,890 mA	80 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

TALEXdriver LCI 60W 700/1050mA TEC SR

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 700 or 1,050 mA
- Max. output power 60 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

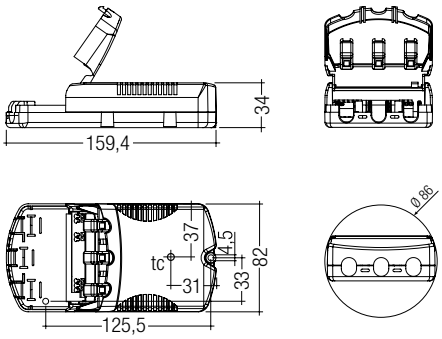
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.29 A
Mains frequency	50 / 60 Hz
Max. input power	70 W
Output power	60 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 60W 700mA TEC SR	**87500201**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.220 kg
LCI 60W 1050mA TEC SR	**87500203**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.228 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. casing temperature tc
LCI 60W 700mA TEC SR	700 mA	0.98	91.5 %	0.93C	90 %	46.5 V	85.5 V	92 V	950 mA	1,100 mA	1,050 mA	1,150 mA	80 °C
LCI 60W 1050mA TEC SR	1,050 mA	0.98	90.5 %	0.93C	89 %	31.0 V	57.0 V	62 V	1,420 mA	1,640 mA	1,420 mA	1,650 mA	85 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV

TALEXdriver LCI 65W 1400/1750mA TEC SR

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 1,400 or 1,750 mA
- Max. output power 65 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

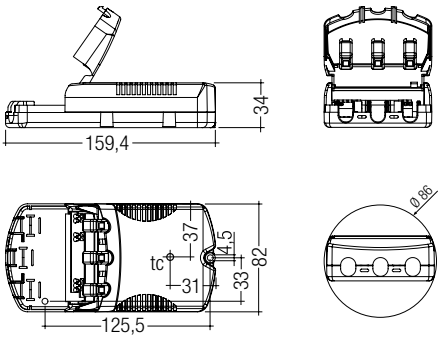
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.32 A
Mains frequency	50 / 60 Hz
Max. input power	75 W
Output power	65 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	90 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	159.4 x 82 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 65W 1400mA TEC SR	**87500205**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.227 kg
LCI 65W 1750mA TEC SR	**87500207**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.228 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 65W 1400mA TEC SR	1,400 mA	0.98	90 %	0.91C	88.5 %	23.0 V	46.5 V	55 V	1,960 mA	2,190 mA	1,960 mA	2,340 mA
LCI 65W 1750mA TEC SR	1,750 mA	0.98	90 %	0.94C	87.5 %	18.5 V	37.0 V	43 V	2,450 mA	2,920 mA	2,450 mA	2,950 mA

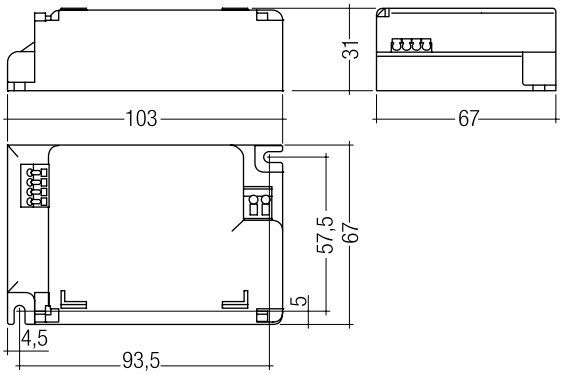
① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

SELV RoHS

TALEXdriver 0018 K350 DALI RGB

ECO series





Product description

- Constant current LED Driver
- 3-channel DALI dimming LED Driver
- For 350 mA LED modules
- Dimming range 0.1 to 100 %
- Precise load balancing per output channel
- Compact dimensions
- Overtemperature protection
- Short-circuit protection with automatic restart
- DC supply possible
- DALI control input
- 3 addressable output channels
- Screw terminal
- 6-pole ribbon cable terminal on secondary side
- Rapid installation of cable clamp and terminal cover, no tool required
- Cross-section of connecting cable: 2.5 mm²
- Connecting cable, supply side: H03VV-F, H05VV-F
- PWM signal output: 24 V DC

→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19

Technical data

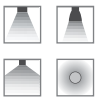
Rated supply voltage	230 V
Input voltage AC	198 – 254 V
Input voltage range DC ①	200 – 240 (160) V
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 82 %
Max. input power	22 W
Output power	18 W
Max. output voltage	24 V
PWM frequency	120 Hz
Max. cable length	2 m
Dimming	DALI
Ambient temperature ta	-20 ... +45 °C
Dimensions L x W x H	103 x 67 x 31 mm
Hole spacing D	91.5 – 95.5 mm

Ordering data

Type	Article number	Secondary current	Packaging, carton	Weight per pc.
0018 K350	**28000939**	350 mA	20 pieces	0.15 kg

① After power up with higher voltage, the device will work with a reduced voltage as specified above.

IP20



TALEXdriver LCAI 15W 350mA one4all

ECO series

Product description

- 1 addressable output channel
- 350 mA PWM output signal
- Short-circuit protection with automatic restart
- No-load detection with automatic restart
- Intelligent Temperature Guard (overtemperature protection)
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Power input on stand-by < 1 W
- Output power 15 W
- Overload protection with automatic restart
- Strain relief

Properties

- switchDIM-MEMORY and corridorFUNCTION
- Dimming range 1 to 100 %
- Dimming curve adapted to the sensitivity of the eye
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Powerless switching via a digital interface (no need for switching via mains)
- Fault reporting and programmable operating parameters in DALI mode
- SELV

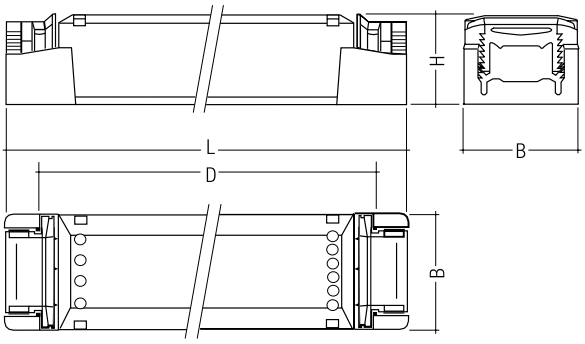
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC ①	170 – 240 V
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 84 %
λ (at 230 V, 50 Hz)	0.6
Max. input power	19 W
Dimming range	1 – 100 %
PWM frequency	400 Hz
THD (applying to the current)	–
Control input dimming	DSI, DALI, switchDIM
Stand-by power at 230 V	0.77 W
Output current	350 mA
Output current tolerance	± 7.5 %
Output voltage range	9 – 45 V
Output power	15 W
Output power range (without dimming operation)	3 – 15 W
Set up time at 230 V (acc. to the DALI standard)	< 600 ms
Turn off time at full load	30 ms
Turn off time at 3 V	< 300 ms
ta operating (at life-time 50,000 h)	-25 ... +50 °C
ta operating (at life-time 25,000 h)	-25 ... +60 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-25 ... +60 °C
Dimensions L x W x H	167 x 42 x 31 mm
Hole spacing D	143 – 148 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 015/0350 A020 one4all	**28000735**	20 pc(s).	800 pc(s).	0.121 kg

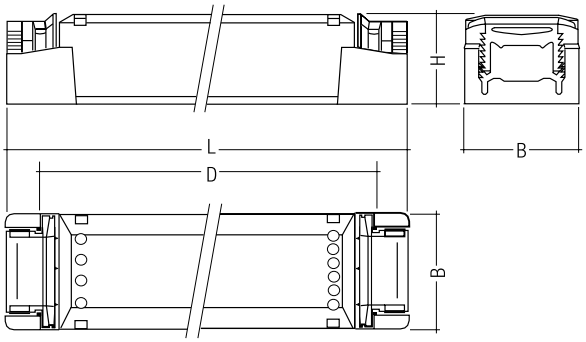
① On DC operation dimmlevel is always set to 15 % default. This can be adjusted to any level in masterCONFIGURATOR.

IP20 SELV

TALEXdriver LCAI 20 W 500 mA one4all

ECO series





Product description

- Constant current LED Driver
- 1 addressable output channel
- 500 mA PWM output signal
- Short-circuit protection with automatic restart
- No-load safe with automatic restart
- Intelligent Temperature Guard (overtemperature protection)
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Power input on stand-by < 1 W
- Output power 20 W
- Strain relief
- Plastic casing white

Properties

- Dimming range 1 to 100 %
- Dimming curve adapted to the sensitivity of the eye
- Noise-free precise control via DALI, DSI signal or switchDIM
- switchDIM (with memory function)
- corridorFUNCTION
- Powerless switching via a digital interface (no need for switching via mains)
- Fault reporting and programmable operating parameters in DALI mode
- SELV

→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC ①	170 – 264 V
Mains frequency	0 / 50 / 60 Hz
Rated current (at 230 V, 50 Hz)	0.11 A
Max. input power	25 W
Efficiency	> 85 %
λ (at 230 V, 50 Hz)	0.95
Dimming range	1 – 100 %
PWM frequency	400 Hz
Control input dimming	DSI, DALI, switchDIM
Stand-by power at 230 V	< 1 W
Output current	500 mA
Output current tolerance	± 7.5 %
Output voltage range	9 – 42.5 V
Max. output voltage ②	52.5 V
Output power	20 W
Set up time at 230 V (acc. to the DALI standard)	< 600 ms
Ambient temperature ta (at life-time 50,000 h)	-25 ... +55 °C
Max. casing temperature tc	93 °C
Dimensions L x W x H	207 x 42 x 31 mm
Hole spacing D	183 – 188 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 020/0500 A120 one4all	**28000737**	25 pc(s).	750 pc(s).	0.173 kg

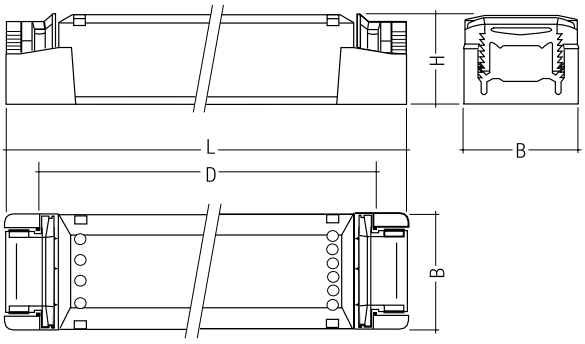
① On DC operation dimmlevel is always set to 15 % default. This can be adjusted to any level in masterCONFIGURATOR.
② In non-load operation.

IP20

TALEXdriver LCAI 30 W 700 mA one4all

ECO series





Product description

- 1 addressable output channel
- 700 mA PWM output signal
- Short-circuit protection with automatic restart
- No-load detection with automatic restart
- Intelligent Temperature Guard (overtemperature protection)
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Power input on stand-by < 1 W
- Output power 30 W
- Overload protection with automatic restart
- Strain relief

Properties

- switchDIM-MEMORY and corridorFUNCTION
- Dimming range 1 to 100 %
- Dimming curve adapted to the sensitivity of the eye
- Noise-free precise control via DALI, DSI signal or switchDIM
- Powerless switching via a digital interface (no need for switching via mains)
- Fault reporting and programmable operating parameters in DALI mode
- SELV

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC ①	170 – 240 V
Mains frequency	0 / 50 / 60 Hz
Rated current (at 230 V, 50 Hz)	0.16 A
Efficiency	> 83 %
λ (at 230 V, 50 Hz)	0.96
Max. input power	36 W
Dimming range	1 – 100 %
PWM frequency	400 Hz
THD (applying to the current)	12 %
Control input dimming	DSI, DALI, switchDIM
Stand-by power at 230 V	0.73 W
Output current	700 mA
Output current tolerance	± 7.5 %
Output voltage range	9 – 42.5 V
Output power	30 W
Output power range	6 – 30 W
Set up time at 230 V (acc. to the DALI standard)	< 600 ms
Turn off time at full load	20 ms
Turn off time at 3 V	< 300 ms
ta operating (at life-time 50,000 h)	-25 ... +40 °C
ta operating (at life-time 25,000 h)	–
Max. casing temperature tc	90 °C
Storage temperature ts	-25 ... +60 °C
Dimensions L x W x H	207 x 42 x 31 mm
Hole spacing D	183 – 188 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 030/0700 A120 one4all	**28000736**	25 pc(s).	750 pc(s).	0.172 kg

① On DC operation dimmlevel is always set to 15 % default. This can be adjusted to any level in masterCONFIGURATOR.

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IP20 SELV



TALEXdriver LCAI 10W 150mA–400mA ECO C

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 10 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

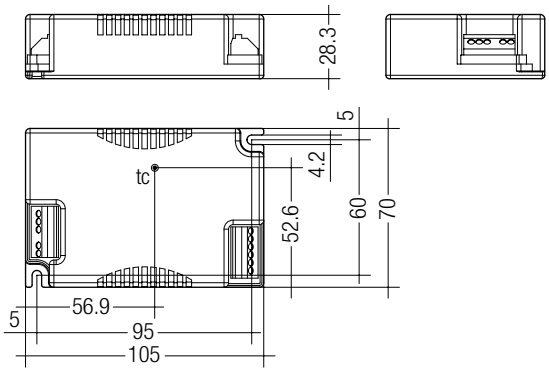
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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	45 – 60 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	10 – 16 mA
Leakage current (PE)	< 0.5 mA
Max. input power	15 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	80 – 83 %
λ (at 230 V, 50 Hz, full load) ①	> 0.85
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 30 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 10W 150mA–400mA ECO C	**28000130**	10 pc(s).	960 pc(s).	0.136 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 10W 150mA–400mA ECO C	150 mA	23 V	50 V	7.5 W	9.2 W	47 mA	80 °C	-25 ... +70 °C	open
LCAI 10W 150mA–400mA ECO C	175 mA	23 V	50 V	8.8 W	10.6 W	53 mA	80 °C	-25 ... +70 °C	63.40 kΩ
LCAI 10W 150mA–400mA ECO C	200 mA	23 V	50 V	10.0 W	12.0 W	58 mA	80 °C	-25 ... +70 °C	54.90 kΩ
LCAI 10W 150mA–400mA ECO C	225 mA	20 V	44 V	10.0 W	12.0 W	59 mA	80 °C	-25 ... +70 °C	47.50 kΩ
LCAI 10W 150mA–400mA ECO C	250 mA	18 V	40 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	40.20 kΩ
LCAI 10W 150mA–400mA ECO C	275 mA	16 V	36 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	34.00 kΩ
LCAI 10W 150mA–400mA ECO C	300 mA	15 V	33 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	27.40 kΩ
LCAI 10W 150mA–400mA ECO C	325 mA	14 V	31 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	22.00 kΩ
LCAI 10W 150mA–400mA ECO C	350 mA	13 V	29 V	10.0 W	12.3 W	59 mA	80 °C	-25 ... +70 °C	12.00 kΩ
LCAI 10W 150mA–400mA ECO C	375 mA	12 V	27 V	10.0 W	12.3 W	59 mA	80 °C	-25 ... +70 °C	6.19 kΩ
LCAI 10W 150mA–400mA ECO C	400 mA	11 V	25 V	10.0 W	12.3 W	60 mA	80 °C	-25 ... +70 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

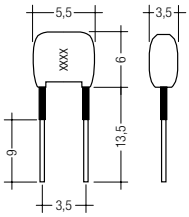
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 10W 350mA–900mA ECO C

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 12 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

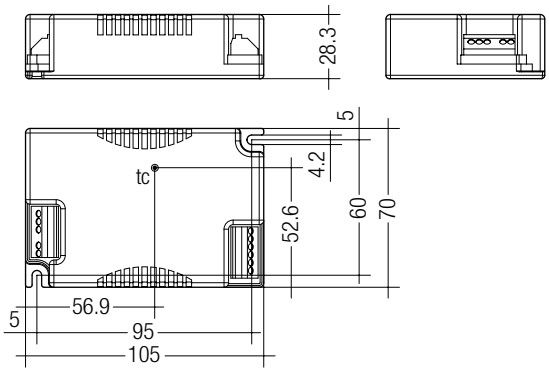
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	62 – 80 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	10 – 16 mA
Leakage current (PE)	< 0.5 mA
Max. input power	15 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	78 – 82 %
λ (at 230 V, 50 Hz, full load) ①	> 0.9
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 30 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 10W 350mA–900mA ECO C	**28000131**	10 pc(s).	960 pc(s).	0.136 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 10W 350mA–900mA ECO C	350 mA	15 V	34 V	12 W	14.4 W	70 mA	80 °C	-25 ... +65 °C	open
LCAI 10W 350mA–900mA ECO C	375 mA	14 V	32 V	12 W	14.8 W	69 mA	80 °C	-25 ... +65 °C	71.50 kΩ
LCAI 10W 350mA–900mA ECO C	400 mA	14 V	30 V	12 W	14.8 W	70 mA	80 °C	-25 ... +65 °C	66.50 kΩ
LCAI 10W 350mA–900mA ECO C	425 mA	13 V	28 V	12 W	14.8 W	70 mA	80 °C	-25 ... +65 °C	61.90 kΩ
LCAI 10W 350mA–900mA ECO C	450 mA	12 V	27 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	57.60 kΩ
LCAI 10W 350mA–900mA ECO C	475 mA	11 V	25 V	12 W	14.9 W	69 mA	80 °C	-25 ... +65 °C	53.60 kΩ
LCAI 10W 350mA–900mA ECO C	500 mA	11 V	24 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	49.90 kΩ
LCAI 10W 350mA–900mA ECO C	525 mA	10 V	23 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	45.30 kΩ
LCAI 10W 350mA–900mA ECO C	550 mA	10 V	22 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	42.20 kΩ
LCAI 10W 350mA–900mA ECO C	575 mA	9 V	21 V	12 W	14.9 W	71 mA	80 °C	-25 ... +65 °C	38.30 kΩ
LCAI 10W 350mA–900mA ECO C	600 mA	9 V	20 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	35.70 kΩ
LCAI 10W 350mA–900mA ECO C	625 mA	9 V	19 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	32.40 kΩ
LCAI 10W 350mA–900mA ECO C	650 mA	8 V	18 V	12 W	15.0 W	70 mA	80 °C	-25 ... +65 °C	28.70 kΩ
LCAI 10W 350mA–900mA ECO C	675 mA	8 V	18 V	12 W	15.0 W	70 mA	80 °C	-25 ... +65 °C	26.10 kΩ
LCAI 10W 350mA–900mA ECO C	700 mA	8 V	17 V	12 W	15.0 W	71 mA	80 °C	-25 ... +65 °C	22.00 kΩ
LCAI 10W 350mA–900mA ECO C	725 mA	7 V	17 V	12 W	15.0 W	71 mA	80 °C	-25 ... +65 °C	17.40 kΩ
LCAI 10W 350mA–900mA ECO C	750 mA	7 V	16 V	12 W	15.1 W	71 mA	80 °C	-25 ... +65 °C	15.00 kΩ
LCAI 10W 350mA–900mA ECO C	775 mA	7 V	15 V	12 W	15.1 W	71 mA	80 °C	-25 ... +65 °C	12.40 kΩ
LCAI 10W 350mA–900mA ECO C	800 mA	7 V	15 V	12 W	15.0 W	70 mA	80 °C	-25 ... +65 °C	10.00 kΩ
LCAI 10W 350mA–900mA ECO C	825 mA	7 V	15 V	12 W	15.0 W	70 mA	80 °C	-25 ... +65 °C	7.68 kΩ
LCAI 10W 350mA–900mA ECO C	850 mA	7 V	14 V	12 W	15.0 W	70 mA	80 °C	-25 ... +65 °C	5.36 kΩ
LCAI 10W 350mA–900mA ECO C	875 mA	7 V	14 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	3.16 kΩ
LCAI 10W 350mA–900mA ECO C	900 mA	7 V	13 V	12 W	14.9 W	70 mA	80 °C	-25 ... +65 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

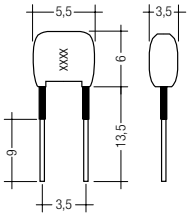
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 20W 350mA–900mA ECO C

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

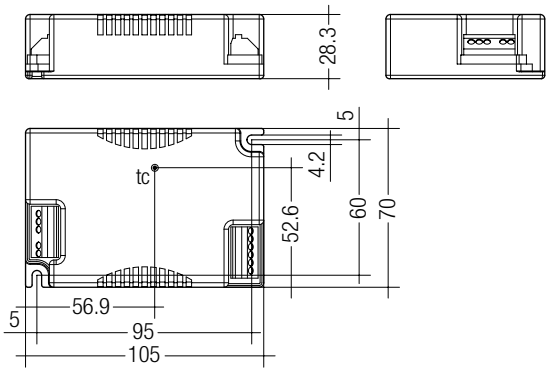
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	88 – 105 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	22 – 26 mA
Leakage current (PE)	< 0.5 mA
Max. input power	25 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	84 – 86 %
λ (at 230 V, 50 Hz, full load) ①	> 0.96
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 20 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	105 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 20W 350mA–900mA ECO C	**28000122**	10 pc(s).	960 pc(s).	0.136 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 20W 350mA–900mA ECO C	350 mA	22 V	50.0 V	17.5 W	20.3 W	88 mA	85 °C	-25 ... +60 °C	open
LCAI 20W 350mA–900mA ECO C	375 mA	22 V	50.0 V	18.8 W	21.9 W	95 mA	85 °C	-25 ... +60 °C	71.50 kΩ
LCAI 20W 350mA–900mA ECO C	400 mA	22 V	50.0 V	20.0 W	23.1 W	100 mA	85 °C	-25 ... +60 °C	66.50 kΩ
LCAI 20W 350mA–900mA ECO C	425 mA	21 V	47.5 V	20.0 W	23.1 W	100 mA	85 °C	-25 ... +60 °C	61.90 kΩ
LCAI 20W 350mA–900mA ECO C	450 mA	20 V	45.0 V	20.0 W	23.0 W	100 mA	85 °C	-25 ... +60 °C	57.60 kΩ
LCAI 20W 350mA–900mA ECO C	475 mA	18 V	42.5 V	20.0 W	22.9 W	100 mA	85 °C	-25 ... +60 °C	53.60 kΩ
LCAI 20W 350mA–900mA ECO C	500 mA	18 V	40.5 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	49.90 kΩ
LCAI 20W 350mA–900mA ECO C	525 mA	17 V	38.5 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	45.30 kΩ
LCAI 20W 350mA–900mA ECO C	550 mA	16 V	36.5 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	42.20 kΩ
LCAI 20W 350mA–900mA ECO C	575 mA	15 V	35.0 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	38.30 kΩ
LCAI 20W 350mA–900mA ECO C	600 mA	15 V	33.5 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	35.70 kΩ
LCAI 20W 350mA–900mA ECO C	625 mA	14 V	32.5 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	32.40 kΩ
LCAI 20W 350mA–900mA ECO C	650 mA	13 V	31.0 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	28.70 kΩ
LCAI 20W 350mA–900mA ECO C	675 mA	13 V	30.0 V	20.0 W	23.5 W	102 mA	85 °C	-25 ... +60 °C	26.10 kΩ
LCAI 20W 350mA–900mA ECO C	700 mA	12 V	29.0 V	20.0 W	23.7 W	103 mA	85 °C	-25 ... +60 °C	22.00 kΩ
LCAI 20W 350mA–900mA ECO C	725 mA	12 V	28.0 V	20.0 W	23.7 W	103 mA	85 °C	-25 ... +60 °C	17.40 kΩ
LCAI 20W 350mA–900mA ECO C	750 mA	12 V	27.0 V	20.0 W	23.7 W	103 mA	85 °C	-25 ... +60 °C	15.00 kΩ
LCAI 20W 350mA–900mA ECO C	775 mA	11 V	26.0 V	20.0 W	23.7 W	103 mA	85 °C	-25 ... +60 °C	12.40 kΩ
LCAI 20W 350mA–900mA ECO C	800 mA	11 V	25.5 V	20.0 W	23.8 W	103 mA	85 °C	-25 ... +60 °C	10.00 kΩ
LCAI 20W 350mA–900mA ECO C	825 mA	10 V	24.5 V	20.0 W	23.8 W	103 mA	85 °C	-25 ... +60 °C	7.68 kΩ
LCAI 20W 350mA–900mA ECO C	850 mA	10 V	24.0 V	20.0 W	24.0 W	104 mA	85 °C	-25 ... +60 °C	5.36 kΩ
LCAI 20W 350mA–900mA ECO C	875 mA	10 V	23.5 V	20.0 W	24.0 W	104 mA	85 °C	-25 ... +60 °C	3.16 kΩ
LCAI 20W 350mA–900mA ECO C	900 mA	10 V	22.5 V	20.0 W	24.1 W	105 mA	85 °C	-25 ... +60 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

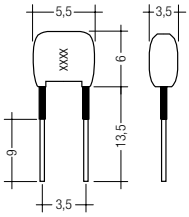
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 35W 350mA–900mA ECO C

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

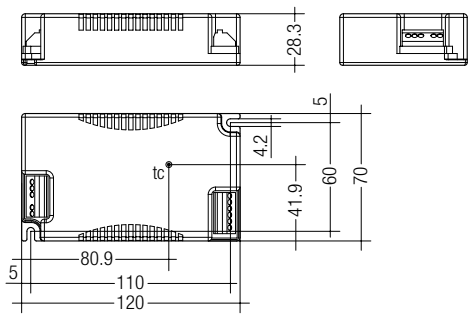
- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	130 – 185 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	32 – 36 mA
Leakage current (PE)	< 0.35 mA
Max. input power	41 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	87 – 90 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	120 V
Dimensions L x W x H	120 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 350mA–900mA ECO C	**28000124**	10 pc(s).	960 pc(s).	0.171 kg

For standards see data sheet
Product / function matrix, page 19

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 350mA–900mA ECO C	350 mA	40 V	90.0 V	31.5 W	35.0 W	152 mA	80 °C	-25 ... +60 °C	open
LCAI 35W 350mA–900mA ECO C	375 mA	40 V	90.0 V	33.8 W	37.6 W	163 mA	80 °C	-25 ... +60 °C	71.50 kΩ
LCAI 35W 350mA–900mA ECO C	400 mA	39 V	88.0 V	35.0 W	37.9 W	165 mA	80 °C	-25 ... +60 °C	66.50 kΩ
LCAI 35W 350mA–900mA ECO C	425 mA	37 V	82.5 V	35.0 W	38.2 W	167 mA	80 °C	-25 ... +60 °C	61.90 kΩ
LCAI 35W 350mA–900mA ECO C	450 mA	35 V	78.0 V	35.0 W	38.6 W	169 mA	80 °C	-25 ... +60 °C	57.60 kΩ
LCAI 35W 350mA–900mA ECO C	475 mA	33 V	74.0 V	35.0 W	38.9 W	170 mA	80 °C	-25 ... +60 °C	53.60 kΩ
LCAI 35W 350mA–900mA ECO C	500 mA	31 V	70.5 V	35.0 W	39.2 W	172 mA	80 °C	-25 ... +60 °C	49.90 kΩ
LCAI 35W 350mA–900mA ECO C	525 mA	30 V	67.0 V	35.0 W	39.3 W	173 mA	80 °C	-25 ... +60 °C	45.30 kΩ
LCAI 35W 350mA–900mA ECO C	550 mA	28 V	64.0 V	35.0 W	39.4 W	173 mA	80 °C	-25 ... +60 °C	42.20 kΩ
LCAI 35W 350mA–900mA ECO C	575 mA	27 V	61.0 V	35.0 W	39.4 W	174 mA	80 °C	-25 ... +60 °C	38.30 kΩ
LCAI 35W 350mA–900mA ECO C	600 mA	26 V	58.5 V	35.0 W	39.5 W	175 mA	80 °C	-25 ... +60 °C	35.70 kΩ
LCAI 35W 350mA–900mA ECO C	625 mA	25 V	56.5 V	35.0 W	39.6 W	175 mA	80 °C	-25 ... +60 °C	32.40 kΩ
LCAI 35W 350mA–900mA ECO C	650 mA	24 V	54.0 V	35.0 W	39.7 W	176 mA	80 °C	-25 ... +60 °C	28.70 kΩ
LCAI 35W 350mA–900mA ECO C	675 mA	23 V	52.0 V	35.0 W	39.7 W	176 mA	80 °C	-25 ... +60 °C	26.10 kΩ
LCAI 35W 350mA–900mA ECO C	700 mA	22 V	50.5 V	35.0 W	39.8 W	177 mA	80 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 350mA–900mA ECO C	725 mA	21 V	48.5 V	35.0 W	39.9 W	178 mA	80 °C	-25 ... +60 °C	17.40 kΩ
LCAI 35W 350mA–900mA ECO C	750 mA	21 V	47.0 V	35.0 W	40.0 W	179 mA	80 °C	-25 ... +60 °C	15.00 kΩ
LCAI 35W 350mA–900mA ECO C	775 mA	20 V	45.5 V	35.0 W	40.1 W	180 mA	80 °C	-25 ... +60 °C	12.40 kΩ
LCAI 35W 350mA–900mA ECO C	800 mA	19 V	44.0 V	35.0 W	40.3 W	181 mA	80 °C	-25 ... +60 °C	10.00 kΩ
LCAI 35W 350mA–900mA ECO C	825 mA	19 V	42.5 V	35.0 W	40.4 W	182 mA	80 °C	-25 ... +60 °C	7.68 kΩ
LCAI 35W 350mA–900mA ECO C	850 mA	18 V	41.5 V	35.0 W	40.5 W	183 mA	80 °C	-25 ... +60 °C	5.36 kΩ
LCAI 35W 350mA–900mA ECO C	875 mA	17 V	40.5 V	35.0 W	40.6 W	184 mA	80 °C	-25 ... +60 °C	3.16 kΩ
LCAI 35W 350mA–900mA ECO C	900 mA	17 V	39.0 V	35.0 W	40.7 W	185 mA	80 °C	-25 ... +60 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

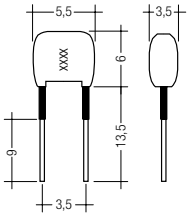
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



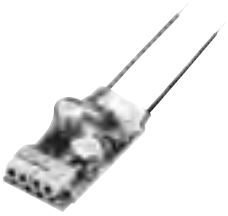


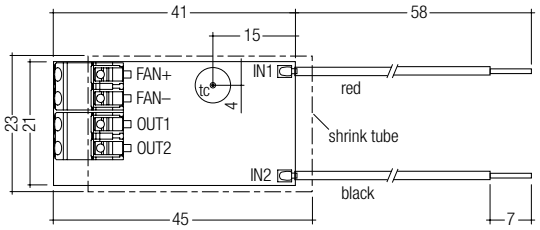
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV



TALEXdriver LCAI 35W 900mA–1750mA ECO C

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

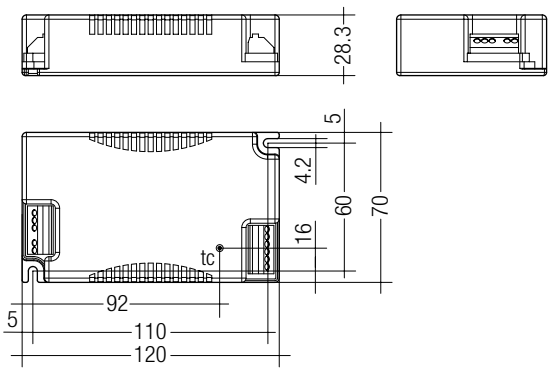
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	173 – 184 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	32 – 37 mA
Leakage current (PE)	< 0.3 mA
Max. input power	42 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	85 – 88 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	120 x 70 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 900mA–1750mA ECO C	**28000126**	10 pc(s).	960 pc(s).	0.176 kg

Specific technical data

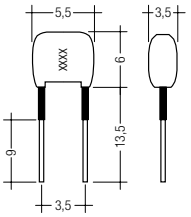
Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 900mA–1750mA ECO C	900 mA	17 V	39.0 V	35 W	39.9 W	173 mA	80 °C	-25 ... +60 °C	open
LCAI 35W 900mA–1750mA ECO C	950 mA	16 V	37.0 V	35 W	40.0 W	174 mA	80 °C	-25 ... +60 °C	69.80 kΩ
LCAI 35W 900mA–1750mA ECO C	1,000 mA	15 V	35.0 V	35 W	40.1 W	174 mA	80 °C	-25 ... +60 °C	64.90 kΩ
LCAI 35W 900mA–1750mA ECO C	1,050 mA	14 V	33.5 V	35 W	40.2 W	175 mA	80 °C	-25 ... +55 °C	56.00 kΩ
LCAI 35W 900mA–1750mA ECO C	1,100 mA	14 V	32.0 V	35 W	40.3 W	175 mA	80 °C	-25 ... +55 °C	47.50 kΩ
LCAI 35W 900mA–1750mA ECO C	1,150 mA	13 V	30.5 V	35 W	40.3 W	175 mA	80 °C	-25 ... +55 °C	43.20 kΩ
LCAI 35W 900mA–1750mA ECO C	1,200 mA	12 V	29.5 V	35 W	40.4 W	175 mA	80 °C	-25 ... +55 °C	40.20 kΩ
LCAI 35W 900mA–1750mA ECO C	1,250 mA	12 V	28.0 V	35 W	40.4 W	176 mA	80 °C	-25 ... +55 °C	36.50 kΩ
LCAI 35W 900mA–1750mA ECO C	1,300 mA	12 V	27.0 V	35 W	40.5 W	176 mA	80 °C	-25 ... +55 °C	32.40 kΩ
LCAI 35W 900mA–1750mA ECO C	1,350 mA	11 V	26.0 V	35 W	40.5 W	176 mA	80 °C	-25 ... +55 °C	28.70 kΩ
LCAI 35W 900mA–1750mA ECO C	1,400 mA	11 V	25.0 V	35 W	40.6 W	176 mA	80 °C	-25 ... +55 °C	22.00 kΩ
LCAI 35W 900mA–1750mA ECO C	1,450 mA	10 V	24.5 V	35 W	40.6 W	177 mA	80 °C	-25 ... +55 °C	17.80 kΩ
LCAI 35W 900mA–1750mA ECO C	1,500 mA	10 V	23.5 V	35 W	40.7 W	177 mA	85 °C	-25 ... +55 °C	15.00 kΩ
LCAI 35W 900mA–1750mA ECO C	1,550 mA	10 V	23.0 V	35 W	40.8 W	177 mA	85 °C	-25 ... +55 °C	12.10 kΩ
LCAI 35W 900mA–1750mA ECO C	1,600 mA	9 V	22.0 V	35 W	40.9 W	178 mA	85 °C	-25 ... +55 °C	9.31 kΩ
LCAI 35W 900mA–1750mA ECO C	1,650 mA	9 V	21.5 V	35 W	41.0 W	178 mA	85 °C	-25 ... +55 °C	6.49 kΩ
LCAI 35W 900mA–1750mA ECO C	1,700 mA	9 V	21.0 V	35 W	41.1 W	179 mA	85 °C	-25 ... +55 °C	3.83 kΩ
LCAI 35W 900mA–1750mA ECO C	1,750 mA	9 V	20.0 V	35 W	41.2 W	179 mA	85 °C	-25 ... +55 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

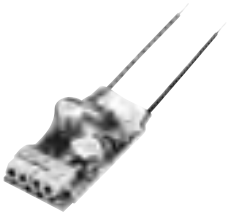
- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

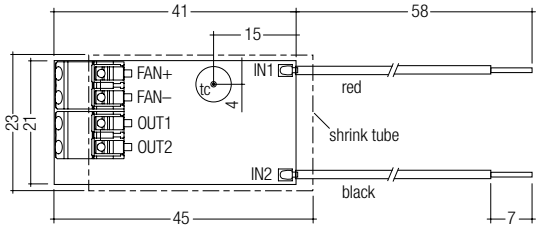
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV



TALEXdriver LCAI 55W 900mA–1750mA ECO C

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 55 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

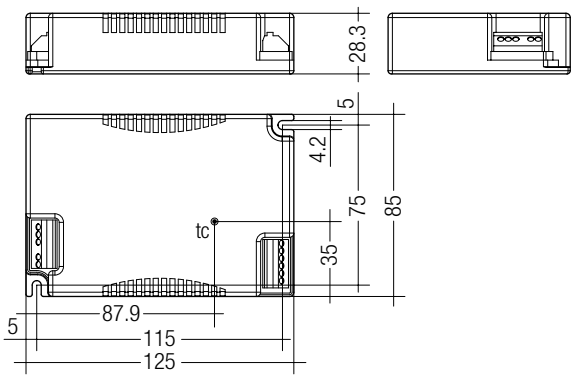
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	210 – 290 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	38 – 51 mA
Leakage current (PE)	< 0.3 mA
Max. input power	64 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	88 – 90 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	125 x 85 x 28.3 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 55W 900mA–1750mA ECO C	**28000128**	10 pc(s).	720 pc(s).	0.203 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 55W 900mA–1750mA ECO C	900 mA	21 V	48.0 V	43.2 W	48.5 W	211 mA	80 °C	-25 ... +55 °C	open
LCAI 55W 900mA–1750mA ECO C	950 mA	21 V	48.0 V	45.6 W	51.2 W	223 mA	80 °C	-25 ... +55 °C	69.80 kΩ
LCAI 55W 900mA–1750mA ECO C	1,000 mA	21 V	48.0 V	48.0 W	53.9 W	234 mA	80 °C	-25 ... +55 °C	64.90 kΩ
LCAI 55W 900mA–1750mA ECO C	1,050 mA	21 V	48.0 V	50.4 W	56.6 W	246 mA	80 °C	-25 ... +55 °C	56.00 kΩ
LCAI 55W 900mA–1750mA ECO C	1,100 mA	21 V	48.0 V	52.8 W	59.3 W	258 mA	80 °C	-25 ... +55 °C	47.50 kΩ
LCAI 55W 900mA–1750mA ECO C	1,150 mA	21 V	48.0 V	55.0 W	62.0 W	270 mA	80 °C	-25 ... +55 °C	43.20 kΩ
LCAI 55W 900mA–1750mA ECO C	1,200 mA	20 V	46.0 V	55.0 W	62.0 W	270 mA	80 °C	-25 ... +50 °C	40.20 kΩ
LCAI 55W 900mA–1750mA ECO C	1,250 mA	20 V	44.0 V	55.0 W	61.8 W	269 mA	80 °C	-25 ... +50 °C	36.50 kΩ
LCAI 55W 900mA–1750mA ECO C	1,300 mA	19 V	42.5 V	55.0 W	62.1 W	270 mA	80 °C	-25 ... +50 °C	32.40 kΩ
LCAI 55W 900mA–1750mA ECO C	1,350 mA	18 V	41.0 V	55.0 W	62.2 W	270 mA	80 °C	-25 ... +50 °C	28.70 kΩ
LCAI 55W 900mA–1750mA ECO C	1,400 mA	18 V	39.5 V	55.0 W	62.1 W	270 mA	80 °C	-25 ... +50 °C	22.00 kΩ
LCAI 55W 900mA–1750mA ECO C	1,450 mA	17 V	38.0 V	55.0 W	61.9 W	269 mA	80 °C	-25 ... +50 °C	17.80 kΩ
LCAI 55W 900mA–1750mA ECO C	1,500 mA	16 V	37.0 V	55.0 W	62.4 W	271 mA	80 °C	-25 ... +50 °C	15.00 kΩ
LCAI 55W 900mA–1750mA ECO C	1,550 mA	16 V	35.5 V	55.0 W	61.8 W	269 mA	80 °C	-25 ... +50 °C	12.10 kΩ
LCAI 55W 900mA–1750mA ECO C	1,600 mA	15 V	34.5 V	55.0 W	62.0 W	270 mA	80 °C	-25 ... +50 °C	9.31 kΩ
LCAI 55W 900mA–1750mA ECO C	1,650 mA	15 V	33.5 V	55.0 W	62.1 W	270 mA	80 °C	-25 ... +50 °C	6.49 kΩ
LCAI 55W 900mA–1750mA ECO C	1,700 mA	14 V	32.5 V	55.0 W	62.1 W	270 mA	80 °C	-25 ... +50 °C	3.83 kΩ
LCAI 55W 900mA–1750mA ECO C	1,750 mA	14 V	31.5 V	55.0 W	61.9 W	269 mA	80 °C	-25 ... +50 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

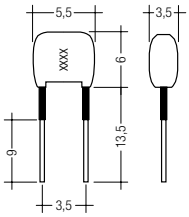
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



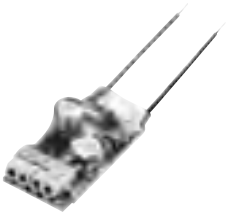


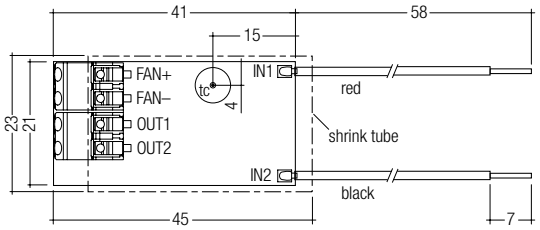
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

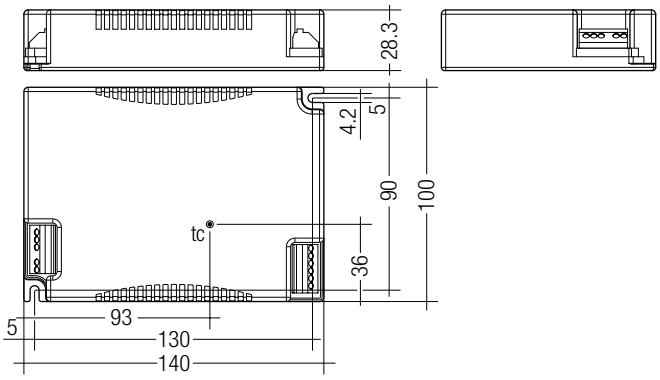
IP20 SELV

CE RoHS

TALEXdriver LCAI 100W 900mA–1750mA ECO C

ECO series





Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 100 W
- Suitable for mains voltage peaks (burst/surge) up to 4 kV (L–N) respectively 3 kV (L/N–PE)
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	389 – 486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	63 – 76 mA
Leakage current (PE)	0.47 mA
Max. input power	115 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	90 – 91.5 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	80 – 110 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 20 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz ± 20 %
Dimming range	1 – 100 %
Max. output voltage	120 V
Dimensions L x W x H	140 x 100 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 100W 900mA–1750mA ECO C	**28000137**	10 pc(s).	500 pc(s).	0.301 kg

Specific technical data

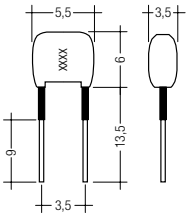
Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 100W 900mA–1750mA ECO C	900 mA	41 V	90 V	81.0 W	89.4 W	389 mA	85 °C	-25 ... +65 °C	open
LCAI 100W 900mA–1750mA ECO C	950 mA	41 V	90 V	85.5 W	94.3 W	410 mA	85 °C	-25 ... +60 °C	69.80 kΩ
LCAI 100W 900mA–1750mA ECO C	1,000 mA	41 V	90 V	90.0 W	99.2 W	431 mA	85 °C	-25 ... +60 °C	64.90 kΩ
LCAI 100W 900mA–1750mA ECO C	1,050 mA	41 V	90 V	94.5 W	104.2 W	453 mA	85 °C	-25 ... +60 °C	56.00 kΩ
LCAI 100W 900mA–1750mA ECO C	1,100 mA	41 V	90 V	99.0 W	109.3 W	475 mA	85 °C	-25 ... +60 °C	47.50 kΩ
LCAI 100W 900mA–1750mA ECO C	1,150 mA	39 V	87 V	100.0 W	109.5 W	476 mA	85 °C	-25 ... +55 °C	43.20 kΩ
LCAI 100W 900mA–1750mA ECO C	1,200 mA	38 V	83 V	100.0 W	109.6 W	476 mA	85 °C	-25 ... +55 °C	40.20 kΩ
LCAI 100W 900mA–1750mA ECO C	1,250 mA	36 V	80 V	100.0 W	109.8 W	478 mA	85 °C	-25 ... +55 °C	36.50 kΩ
LCAI 100W 900mA–1750mA ECO C	1,300 mA	35 V	77 V	100.0 W	110.0 W	478 mA	85 °C	-25 ... +55 °C	32.40 kΩ
LCAI 100W 900mA–1750mA ECO C	1,350 mA	33 V	74 V	100.0 W	109.9 W	478 mA	85 °C	-25 ... +55 °C	28.70 kΩ
LCAI 100W 900mA–1750mA ECO C	1,400 mA	32 V	71 V	100.0 W	110.0 W	478 mA	85 °C	-25 ... +55 °C	22.00 kΩ
LCAI 100W 900mA–1750mA ECO C	1,450 mA	31 V	69 V	100.0 W	110.3 W	480 mA	85 °C	-25 ... +55 °C	17.80 kΩ
LCAI 100W 900mA–1750mA ECO C	1,500 mA	30 V	67 V	100.0 W	110.3 W	480 mA	85 °C	-25 ... +55 °C	15.00 kΩ
LCAI 100W 900mA–1750mA ECO C	1,550 mA	29 V	65 V	100.0 W	110.8 W	482 mA	85 °C	-25 ... +55 °C	12.10 kΩ
LCAI 100W 900mA–1750mA ECO C	1,600 mA	28 V	63 V	100.0 W	111.0 W	482 mA	85 °C	-25 ... +55 °C	9.31 kΩ
LCAI 100W 900mA–1750mA ECO C	1,650 mA	27 V	61 V	100.0 W	111.2 W	483 mA	85 °C	-25 ... +55 °C	6.49 kΩ
LCAI 100W 900mA–1750mA ECO C	1,700 mA	26 V	59 V	100.0 W	111.3 W	484 mA	85 °C	-25 ... +55 °C	3.83 kΩ
LCAI 100W 900mA–1750mA ECO C	1,750 mA	26 V	57 V	100.0 W	111.7 W	486 mA	85 °C	-25 ... +55 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

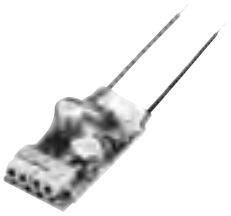
- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

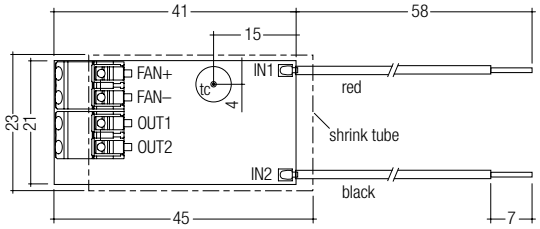
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV

TALEXdriver LCAI 10W 150mA–400mA ECO SR

ECO series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 10 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, black
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

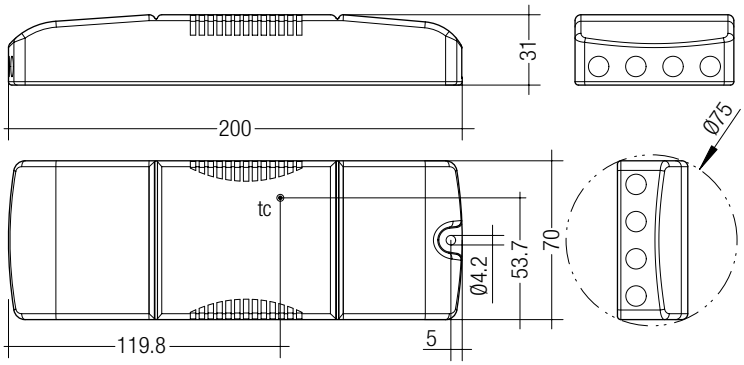
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	45 – 60 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	10 – 16 mA
Leakage current (PE)	< 0.5 mA
Max. input power	15 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	80 – 83 %
λ (at 230 V, 50 Hz, full load) ①	> 0.85
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 30 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	200 x 70 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 10W 150mA-400mA ECO SR	**28000813**	10 pc(s).	400 pc(s).	0.202 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 10W 150mA-400mA ECO SR	150 mA	23 V	50 V	7.5 W	9.2 W	47 mA	80 °C	-25 ... +70 °C	open
LCAI 10W 150mA-400mA ECO SR	175 mA	23 V	50 V	8.8 W	10.6 W	53 mA	80 °C	-25 ... +70 °C	63.40 kΩ
LCAI 10W 150mA-400mA ECO SR	200 mA	23 V	50 V	10.0 W	12.0 W	58 mA	80 °C	-25 ... +70 °C	54.90 kΩ
LCAI 10W 150mA-400mA ECO SR	225 mA	20 V	44 V	10.0 W	12.0 W	59 mA	80 °C	-25 ... +70 °C	47.50 kΩ
LCAI 10W 150mA-400mA ECO SR	250 mA	18 V	40 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	40.20 kΩ
LCAI 10W 150mA-400mA ECO SR	275 mA	16 V	36 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	34.00 kΩ
LCAI 10W 150mA-400mA ECO SR	300 mA	15 V	33 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	27.40 kΩ
LCAI 10W 150mA-400mA ECO SR	325 mA	14 V	31 V	10.0 W	12.1 W	59 mA	80 °C	-25 ... +70 °C	22.00 kΩ
LCAI 10W 150mA-400mA ECO SR	350 mA	13 V	29 V	10.0 W	12.3 W	59 mA	80 °C	-25 ... +70 °C	12.00 kΩ
LCAI 10W 150mA-400mA ECO SR	375 mA	12 V	27 V	10.0 W	12.3 W	59 mA	80 °C	-25 ... +70 °C	6.19 kΩ
LCAI 10W 150mA-400mA ECO SR	400 mA	11 V	25 V	10.0 W	12.3 W	60 mA	80 °C	-25 ... +70 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

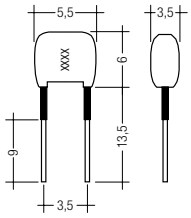
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.2 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.4 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.0 kΩ	10 pc(s).	0.001 kg

IP20 SELV RoHS

TALEXdriver LCAI 20W 350mA–900mA ECO SR

ECO series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Rapid installation of cable clamp and terminal cover, no tool required
- Large connection compartment
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

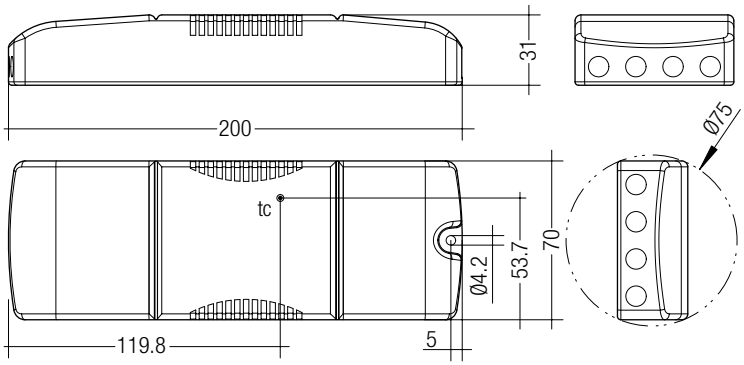
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	88 – 105 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	22 – 26 mA
Leakage current (PE)	< 0.5 mA
Max. input power	25 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	84 – 86 %
λ (at 230 V, 50 Hz, full load) ①	> 0.96
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 20 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	200 x 70 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 20W 350mA–900mA ECO SR	**28000123**	10 pc(s).	400 pc(s).	0.2 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 20W 350mA–900mA ECO SR	350 mA	22 V	50.0 V	17.5 W	20.3 W	88 mA	80 °C	-25 ... +60 °C	open
LCAI 20W 350mA–900mA ECO SR	375 mA	22 V	50.0 V	18.8 W	21.9 W	95 mA	80 °C	-25 ... +60 °C	71.50 kΩ
LCAI 20W 350mA–900mA ECO SR	400 mA	22 V	50.0 V	20.0 W	23.1 W	100 mA	80 °C	-25 ... +60 °C	66.50 kΩ
LCAI 20W 350mA–900mA ECO SR	425 mA	21 V	47.5 V	20.0 W	23.1 W	100 mA	80 °C	-25 ... +60 °C	61.90 kΩ
LCAI 20W 350mA–900mA ECO SR	450 mA	20 V	45.0 V	20.0 W	23.0 W	100 mA	80 °C	-25 ... +60 °C	57.60 kΩ
LCAI 20W 350mA–900mA ECO SR	475 mA	18 V	42.5 V	20.0 W	22.9 W	100 mA	80 °C	-25 ... +60 °C	53.60 kΩ
LCAI 20W 350mA–900mA ECO SR	500 mA	18 V	40.5 V	20.0 W	23.5 W	102 mA	80 °C	-25 ... +60 °C	49.90 kΩ
LCAI 20W 350mA–900mA ECO SR	525 mA	17 V	38.5 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	45.30 kΩ
LCAI 20W 350mA–900mA ECO SR	550 mA	16 V	36.5 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	42.20 kΩ
LCAI 20W 350mA–900mA ECO SR	575 mA	15 V	35.0 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	38.30 kΩ
LCAI 20W 350mA–900mA ECO SR	600 mA	15 V	33.5 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	35.70 kΩ
LCAI 20W 350mA–900mA ECO SR	625 mA	14 V	32.5 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	32.40 kΩ
LCAI 20W 350mA–900mA ECO SR	650 mA	13 V	31.0 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	28.70 kΩ
LCAI 20W 350mA–900mA ECO SR	675 mA	13 V	30.0 V	20.0 W	23.5 W	102 mA	75 °C	-25 ... +55 °C	26.10 kΩ
LCAI 20W 350mA–900mA ECO SR	700 mA	12 V	29.0 V	20.0 W	23.7 W	103 mA	75 °C	-25 ... +55 °C	22.00 kΩ
LCAI 20W 350mA–900mA ECO SR	725 mA	12 V	28.0 V	20.0 W	23.7 W	103 mA	75 °C	-25 ... +55 °C	17.40 kΩ
LCAI 20W 350mA–900mA ECO SR	750 mA	12 V	27.0 V	20.0 W	23.7 W	103 mA	75 °C	-25 ... +55 °C	15.00 kΩ
LCAI 20W 350mA–900mA ECO SR	775 mA	11 V	26.0 V	20.0 W	23.7 W	103 mA	75 °C	-25 ... +55 °C	12.40 kΩ
LCAI 20W 350mA–900mA ECO SR	800 mA	11 V	25.5 V	20.0 W	23.8 W	103 mA	75 °C	-25 ... +55 °C	10.00 kΩ
LCAI 20W 350mA–900mA ECO SR	825 mA	10 V	24.5 V	20.0 W	23.8 W	103 mA	75 °C	-25 ... +55 °C	7.68 kΩ
LCAI 20W 350mA–900mA ECO SR	850 mA	10 V	24.0 V	20.0 W	24.0 W	104 mA	75 °C	-25 ... +55 °C	5.36 kΩ
LCAI 20W 350mA–900mA ECO SR	875 mA	10 V	23.5 V	20.0 W	24.0 W	104 mA	75 °C	-25 ... +55 °C	3.16 kΩ
LCAI 20W 350mA–900mA ECO SR	900 mA	10 V	22.5 V	20.0 W	24.1 W	105 mA	75 °C	-25 ... +55 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

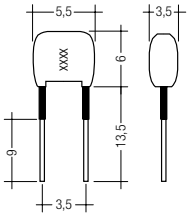
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

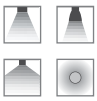




Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 35W 350mA–900mA ECO SR

ECO series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Rapid installation of cable clamp and terminal cover, no tool required
- Large connection compartment
- Type of protection IP20
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

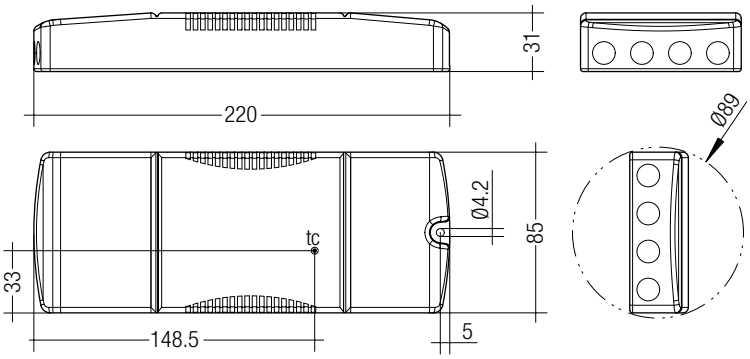
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	130 – 185 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	32 – 36 mA
Leakage current (PE)	< 0.35 mA
Max. input power	41 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	87 – 90 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	120 V
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 350mA–900mA ECO SR	**28000125**	10 pc(s).	400 pc(s).	0.263 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 350mA–900mA ECO SR	350 mA	40 V	90.0 V	31.5 W	35.0 W	152 mA	70 °C	-25 ... +60 °C	open
LCAI 35W 350mA–900mA ECO SR	375 mA	40 V	90.0 V	33.8 W	37.6 W	163 mA	70 °C	-25 ... +60 °C	71.50 kΩ
LCAI 35W 350mA–900mA ECO SR	400 mA	39 V	88.0 V	35.0 W	37.9 W	165 mA	70 °C	-25 ... +60 °C	66.50 kΩ
LCAI 35W 350mA–900mA ECO SR	425 mA	37 V	82.5 V	35.0 W	38.2 W	167 mA	70 °C	-25 ... +60 °C	61.90 kΩ
LCAI 35W 350mA–900mA ECO SR	450 mA	35 V	78.0 V	35.0 W	38.6 W	169 mA	70 °C	-25 ... +60 °C	57.60 kΩ
LCAI 35W 350mA–900mA ECO SR	475 mA	33 V	74.0 V	35.0 W	38.9 W	170 mA	70 °C	-25 ... +60 °C	53.60 kΩ
LCAI 35W 350mA–900mA ECO SR	500 mA	31 V	70.5 V	35.0 W	39.2 W	172 mA	70 °C	-25 ... +60 °C	49.90 kΩ
LCAI 35W 350mA–900mA ECO SR	525 mA	30 V	67.0 V	35.0 W	39.3 W	173 mA	70 °C	-25 ... +60 °C	45.30 kΩ
LCAI 35W 350mA–900mA ECO SR	550 mA	28 V	64.0 V	35.0 W	39.4 W	173 mA	70 °C	-25 ... +60 °C	42.20 kΩ
LCAI 35W 350mA–900mA ECO SR	575 mA	27 V	61.0 V	35.0 W	39.4 W	174 mA	70 °C	-25 ... +60 °C	38.30 kΩ
LCAI 35W 350mA–900mA ECO SR	600 mA	26 V	58.5 V	35.0 W	39.5 W	175 mA	75 °C	-25 ... +60 °C	35.70 kΩ
LCAI 35W 350mA–900mA ECO SR	625 mA	25 V	56.5 V	35.0 W	39.6 W	175 mA	75 °C	-25 ... +60 °C	32.40 kΩ
LCAI 35W 350mA–900mA ECO SR	650 mA	24 V	54.0 V	35.0 W	39.7 W	176 mA	75 °C	-25 ... +60 °C	28.70 kΩ
LCAI 35W 350mA–900mA ECO SR	675 mA	23 V	52.0 V	35.0 W	39.7 W	176 mA	75 °C	-25 ... +60 °C	26.10 kΩ
LCAI 35W 350mA–900mA ECO SR	700 mA	22 V	50.5 V	35.0 W	39.8 W	177 mA	75 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 350mA–900mA ECO SR	725 mA	21 V	48.5 V	35.0 W	39.9 W	178 mA	75 °C	-25 ... +60 °C	17.40 kΩ
LCAI 35W 350mA–900mA ECO SR	750 mA	21 V	47.0 V	35.0 W	40.0 W	179 mA	75 °C	-25 ... +60 °C	15.00 kΩ
LCAI 35W 350mA–900mA ECO SR	775 mA	20 V	45.5 V	35.0 W	40.1 W	180 mA	75 °C	-25 ... +60 °C	12.40 kΩ
LCAI 35W 350mA–900mA ECO SR	800 mA	19 V	44.0 V	35.0 W	40.3 W	181 mA	75 °C	-25 ... +60 °C	10.00 kΩ
LCAI 35W 350mA–900mA ECO SR	825 mA	19 V	42.5 V	35.0 W	40.4 W	182 mA	75 °C	-25 ... +60 °C	7.68 kΩ
LCAI 35W 350mA–900mA ECO SR	850 mA	18 V	41.5 V	35.0 W	40.5 W	183 mA	75 °C	-25 ... +60 °C	5.36 kΩ
LCAI 35W 350mA–900mA ECO SR	875 mA	17 V	40.5 V	35.0 W	40.6 W	184 mA	75 °C	-25 ... +60 °C	3.16 kΩ
LCAI 35W 350mA–900mA ECO SR	900 mA	17 V	39.0 V	35.0 W	40.7 W	185 mA	75 °C	-25 ... +60 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

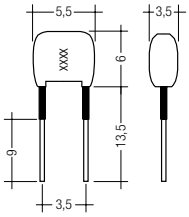
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



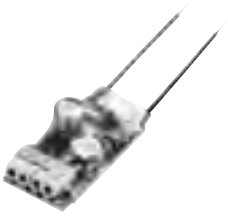


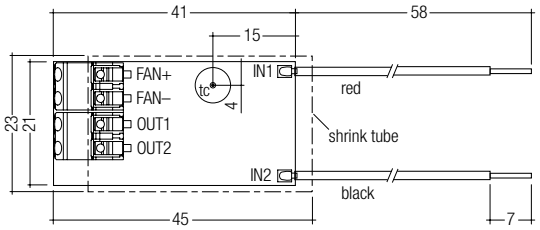
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV

TALEXdriver LCAI 35W 900mA–1750mA ECO SR

ECO series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Rapid installation of cable clamp and terminal cover, no tool required
- Large connection compartment
- Type of protection IP20
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

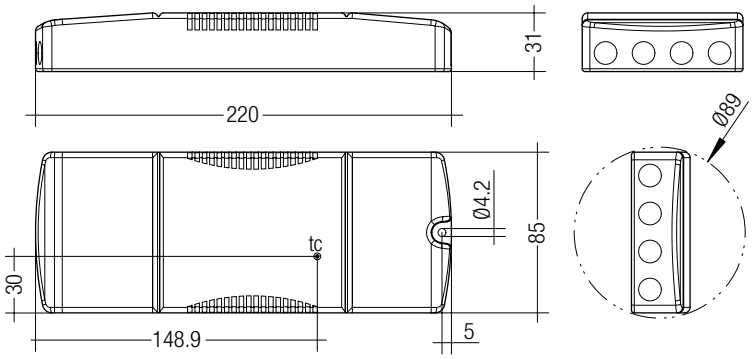
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	173 – 184 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	32 – 37 mA
Leakage current (PE)	< 0.3 mA
Max. input power	42 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	85 – 88 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 900mA–1750mA ECO SR	**28000127**	10 pc(s).	400 pc(s).	0.272 kg

Specific technical data

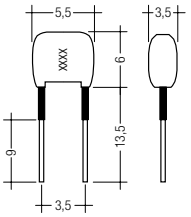
Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 900mA–1750mA ECO SR	900 mA	17 V	39.0 V	35 W	39.9 W	173 mA	70 °C	-25 ... +60 °C	open
LCAI 35W 900mA–1750mA ECO SR	950 mA	16 V	37.0 V	35 W	40.0 W	174 mA	70 °C	-25 ... +60 °C	69.80 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,000 mA	15 V	35.0 V	35 W	40.1 W	174 mA	70 °C	-25 ... +60 °C	64.90 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,050 mA	14 V	33.5 V	35 W	40.2 W	175 mA	70 °C	-25 ... +60 °C	56.00 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,100 mA	14 V	32.0 V	35 W	40.3 W	175 mA	70 °C	-25 ... +60 °C	47.50 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,150 mA	13 V	30.5 V	35 W	40.3 W	175 mA	70 °C	-25 ... +60 °C	43.20 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,200 mA	12 V	29.5 V	35 W	40.4 W	175 mA	70 °C	-25 ... +60 °C	40.20 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,250 mA	12 V	28.0 V	35 W	40.4 W	176 mA	70 °C	-25 ... +60 °C	36.50 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,300 mA	12 V	27.0 V	35 W	40.5 W	176 mA	70 °C	-25 ... +60 °C	32.40 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,350 mA	11 V	26.0 V	35 W	40.5 W	176 mA	70 °C	-25 ... +60 °C	28.70 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,400 mA	11 V	25.0 V	35 W	40.6 W	176 mA	75 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,450 mA	10 V	24.5 V	35 W	40.6 W	177 mA	75 °C	-25 ... +60 °C	17.80 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,500 mA	10 V	23.5 V	35 W	40.7 W	177 mA	75 °C	-25 ... +60 °C	15.00 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,550 mA	10 V	23.0 V	35 W	40.8 W	177 mA	75 °C	-25 ... +60 °C	12.10 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,600 mA	9 V	22.0 V	35 W	40.9 W	178 mA	75 °C	-25 ... +60 °C	9.31 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,650 mA	9 V	21.5 V	35 W	41.0 W	178 mA	75 °C	-25 ... +60 °C	6.49 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,700 mA	9 V	21.0 V	35 W	41.1 W	179 mA	80 °C	-25 ... +60 °C	3.83 kΩ
LCAI 35W 900mA–1750mA ECO SR	1,750 mA	9 V	20.0 V	35 W	41.2 W	179 mA	80 °C	-25 ... +60 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

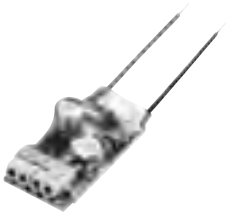
- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

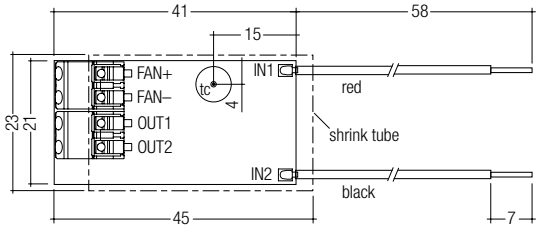
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

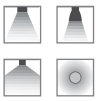
Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV



TALEXdriver LCAI 55W 900mA–1750mA ECO SR

ECO series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 55 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Rapid installation of cable clamp and terminal cover, no tool required
- Large connection compartment
- Type of protection IP20
- Accessory LCF 12V FAN DRIVER fits into the secondary wiring area of the LED Driver

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

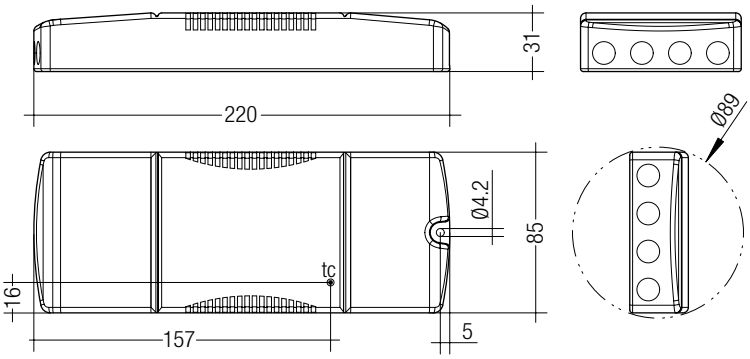
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	210 – 290 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	38 – 51 mA
Leakage current (PE)	< 0.3 mA
Max. input power	64 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	88 – 90 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	70 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	220 x 85 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 55W 900mA–1750mA ECO SR	**28000129**	10 pc(s).	400 pc(s).	0.278 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 55W 900mA–1750mA ECO SR	900 mA	21 V	48.0 V	43.2 W	48.5 W	211 mA	75 °C	-25 ... +60 °C	open
LCAI 55W 900mA–1750mA ECO SR	950 mA	21 V	48.0 V	45.6 W	51.2 W	223 mA	75 °C	-25 ... +55 °C	69.80 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,000 mA	21 V	48.0 V	48.0 W	53.9 W	234 mA	75 °C	-25 ... +55 °C	64.90 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,050 mA	21 V	48.0 V	50.4 W	56.6 W	246 mA	75 °C	-25 ... +55 °C	56.00 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,100 mA	21 V	48.0 V	52.8 W	59.3 W	258 mA	75 °C	-25 ... +50 °C	47.50 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,150 mA	21 V	48.0 V	55.0 W	62.0 W	270 mA	75 °C	-25 ... +50 °C	43.20 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,200 mA	20 V	46.0 V	55.0 W	62.0 W	270 mA	75 °C	-25 ... +50 °C	40.20 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,250 mA	20 V	44.0 V	55.0 W	61.8 W	269 mA	75 °C	-25 ... +50 °C	36.50 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,300 mA	19 V	42.5 V	55.0 W	62.1 W	270 mA	75 °C	-25 ... +50 °C	32.40 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,350 mA	18 V	41.0 V	55.0 W	62.2 W	270 mA	75 °C	-25 ... +50 °C	28.70 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,400 mA	18 V	39.5 V	55.0 W	62.1 W	270 mA	75 °C	-25 ... +50 °C	22.00 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,450 mA	17 V	38.0 V	55.0 W	61.9 W	269 mA	75 °C	-25 ... +50 °C	17.80 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,500 mA	16 V	37.0 V	55.0 W	62.4 W	271 mA	75 °C	-25 ... +50 °C	15.00 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,550 mA	16 V	35.5 V	55.0 W	61.8 W	269 mA	75 °C	-25 ... +50 °C	12.10 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,600 mA	15 V	34.5 V	55.0 W	62.0 W	270 mA	75 °C	-25 ... +50 °C	9.31 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,650 mA	15 V	33.5 V	55.0 W	62.1 W	270 mA	75 °C	-25 ... +50 °C	6.49 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,700 mA	14 V	32.5 V	55.0 W	62.1 W	270 mA	75 °C	-25 ... +50 °C	3.83 kΩ
LCAI 55W 900mA–1750mA ECO SR	1,750 mA	14 V	31.5 V	55.0 W	61.9 W	269 mA	75 °C	-25 ... +50 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

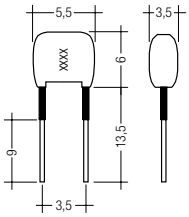
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %



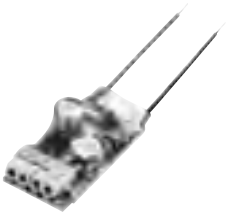


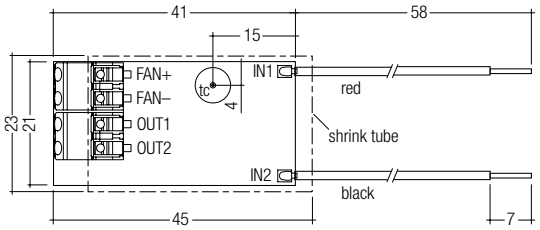
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

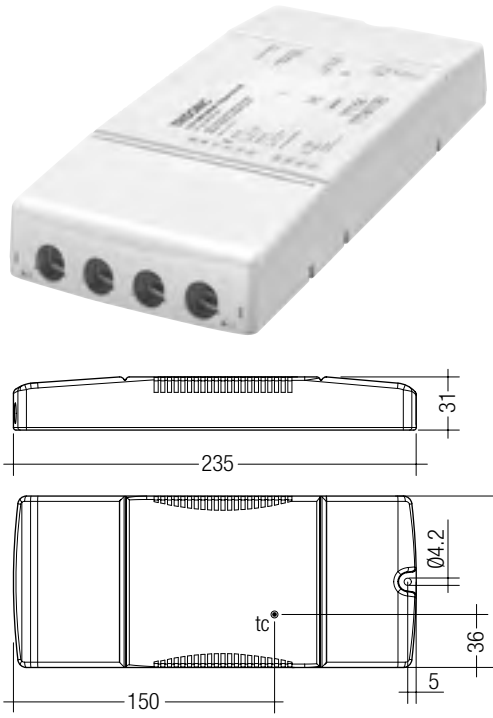
Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV

TALEXdriver LCAI 100W 900mA–1750mA ECO SR

ECO series



Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 100 W
- Suitable for mains voltage peaks (burst/surge) up to 4 kV (L–N) respectively 3 kV (L/N–PE)
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION
- Input temperature sensor for LED control

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	389 – 486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	63 – 76 mA
Leakage current (PE)	0.47 mA
Max. input power	115 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	90 – 91.5 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	80 – 110 mW
THD (at 230 V, 50 Hz, full load)	< 5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 20 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz ± 20 %
Dimming range	1 – 100 %
Max. output voltage	120 V
Dimensions L x W x H	235 x 100 x 31 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 100W 900mA–1750mA ECO SR	**28000256**	10 pc(s).	300 pc(s).	0.39 kg

Specific technical data

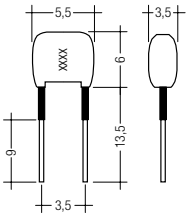
Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 100W 900mA–1750mA ECO SR	900 mA	41 V	90 V	81.0 W	89.4 W	389 mA	85 °C	-25 ... +60 °C	open
LCAI 100W 900mA–1750mA ECO SR	950 mA	41 V	90 V	85.5 W	94.3 W	410 mA	85 °C	-25 ... +55 °C	69.80 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,000 mA	41 V	90 V	90.0 W	99.2 W	431 mA	85 °C	-25 ... +55 °C	64.90 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,050 mA	41 V	90 V	94.5 W	104.2 W	453 mA	85 °C	-25 ... +55 °C	56.00 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,100 mA	41 V	90 V	99.0 W	109.3 W	475 mA	85 °C	-25 ... +55 °C	47.50 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,150 mA	39 V	87 V	100.0 W	109.5 W	476 mA	85 °C	-25 ... +50 °C	43.20 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,200 mA	38 V	83 V	100.0 W	109.6 W	476 mA	85 °C	-25 ... +50 °C	40.20 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,250 mA	36 V	80 V	100.0 W	109.8 W	478 mA	85 °C	-25 ... +50 °C	36.50 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,300 mA	35 V	77 V	100.0 W	110.0 W	478 mA	85 °C	-25 ... +50 °C	32.40 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,350 mA	33 V	74 V	100.0 W	109.9 W	478 mA	85 °C	-25 ... +50 °C	28.70 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,400 mA	32 V	71 V	100.0 W	110.0 W	478 mA	85 °C	-25 ... +50 °C	22.00 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,450 mA	31 V	69 V	100.0 W	110.3 W	480 mA	85 °C	-25 ... +50 °C	17.80 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,500 mA	30 V	67 V	100.0 W	110.3 W	480 mA	85 °C	-25 ... +50 °C	15.00 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,550 mA	29 V	65 V	100.0 W	110.8 W	482 mA	85 °C	-25 ... +50 °C	12.10 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,600 mA	28 V	63 V	100.0 W	111.0 W	482 mA	85 °C	-25 ... +50 °C	9.31 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,650 mA	27 V	61 V	100.0 W	111.2 W	483 mA	85 °C	-25 ... +50 °C	6.49 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,700 mA	26 V	59 V	100.0 W	111.3 W	484 mA	85 °C	-25 ... +50 °C	3.83 kΩ
LCAI 100W 900mA–1750mA ECO SR	1,750 mA	26 V	57 V	100.0 W	111.7 W	486 mA	85 °C	-25 ... +50 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

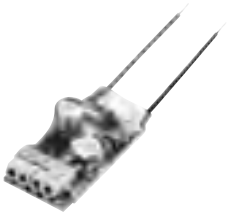
- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

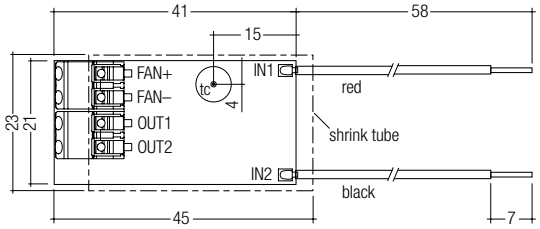
Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

- Fan driver module with 12.4 V output voltage
- Drives the fan permanently (idenpendent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED Driver will be reduced by the power consumption of the fan and the LCF 12V FAN DRIVER

Technical data

Input voltage range DC	25 – 120 V
Output voltage DC	12.4 V
Max. output current (input voltage 25 – 49 V)	50 mA
Max. output current (input voltage 50 – 120 V)	70 mA
Max. power consumption incl. fan (at 30 mA)	0.55 W
Max. power consumption incl. fan (at 50 mA)	0.9 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
tc point	75 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +65 °C
Dimensions L x W x H	45 x 23 x 14 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCF 12V FAN DRIVER	**28000932**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV

TALEXdriver LCAI 15W 150mA–400mA ECO slim

ECO series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 15 W
- Nominal life-time up to 100,000 h
- Dimming range 1 to 100 %
- Pluggable LED connector
- 5-year guarantee

Properties

- Casing: polycarbonate, black
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

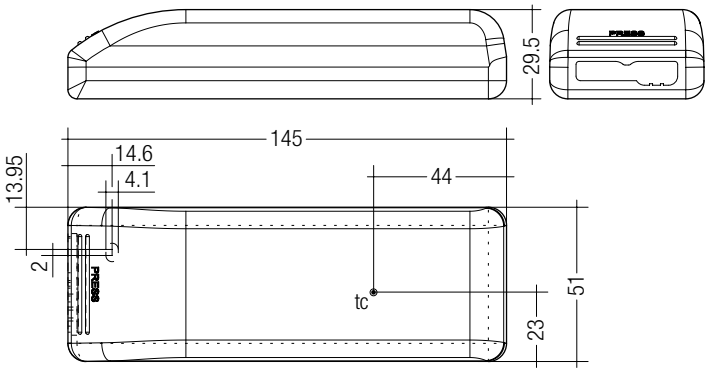
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ① ②	87.5 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	15 mA
Leakage current (PE)	< 580 µA
Max. input power	18.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	83 %
λ (at 230 V, 50 Hz, full load) ①	0.89
Typ. power input on stand-by ③	190 mW
THD (at 230 V, 50 Hz, full load)	< 6.5 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	145 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 15W 150mA-400mA ECO slim	**28000445**	10 pc(s).	700 pc(s).	0.126 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 15W 150mA-400mA ECO slim	150 mA	23 V	50 V	7.5 W	9.4 W	55.6 mA	75 °C	-25 ... +65 °C	short circuit (0 kΩ)
LCAI 15W 150mA-400mA ECO slim	175 mA	23 V	50 V	8.8 W	10.8 W	60.7 mA	75 °C	-25 ... +65 °C	63.40 kΩ
LCAI 15W 150mA-400mA ECO slim	200 mA	23 V	50 V	10.0 W	12.2 W	65.9 mA	75 °C	-25 ... +65 °C	54.90 kΩ
LCAI 15W 150mA-400mA ECO slim	225 mA	23 V	50 V	11.3 W	13.6 W	71.0 mA	75 °C	-25 ... +65 °C	47.50 kΩ
LCAI 15W 150mA-400mA ECO slim	250 mA	23 V	50 V	12.5 W	15.0 W	76.2 mA	75 °C	-25 ... +60 °C	40.20 kΩ
LCAI 15W 150mA-400mA ECO slim	275 mA	23 V	50 V	13.8 W	16.4 W	81.4 mA	75 °C	-25 ... +60 °C	34.00 kΩ
LCAI 15W 150mA-400mA ECO slim	300 mA	23 V	50 V	15.0 W	17.8 W	86.5 mA	75 °C	-25 ... +60 °C	27.40 kΩ
LCAI 15W 150mA-400mA ECO slim	325 mA	21 V	46 V	15.0 W	17.8 W	86.5 mA	75 °C	-25 ... +60 °C	22.00 kΩ
LCAI 15W 150mA-400mA ECO slim	350 mA	19 V	43 V	15.0 W	17.8 W	86.8 mA	75 °C	-25 ... +60 °C	12.00 kΩ
LCAI 15W 150mA-400mA ECO slim	375 mA	18 V	40 V	15.0 W	17.9 W	87.0 mA	75 °C	-25 ... +60 °C	6.19 kΩ
LCAI 15W 150mA-400mA ECO slim	400 mA	17 V	38 V	15.0 W	18.0 W	87.5 mA	75 °C	-25 ... +60 °C	open

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

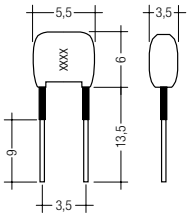
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

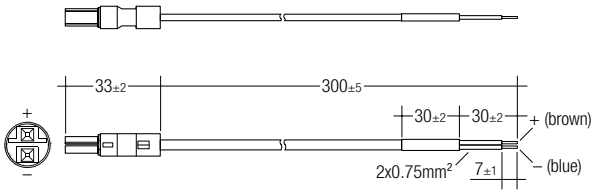
Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

ACCES-SORIES

LED connection cable 0.3m

Product description

- Connection cable 0.3 m to connect LCAI ECO slim to LED module
- Note that the connection cable is not within the scope of supply and needs to be ordered separately



Ordering data

Type	Article number	Length L	Packaging, bag	Packaging, carton	Packaging, pallet	Weight per pc.
Slim gear connection cable 0.3m	**28000639**	0.3 m	25 pc(s).	1,000 pc(s).	1 pc(s).	0.007 kg

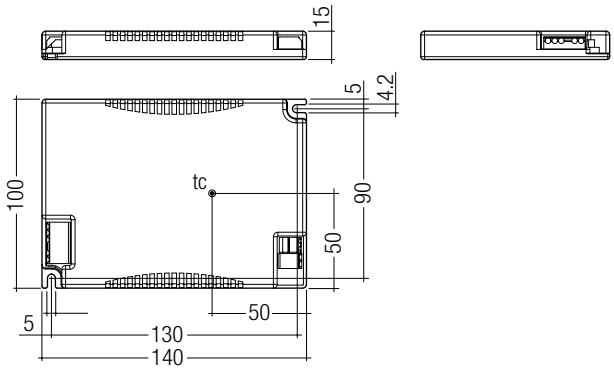
IP20 SELV RoHS



TALEXdriver LCAI 35W 350mA–900mA ECO C flat

ECO series





Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Compact low-profile dimensions
- Casing: polycarbonate, white
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	153 – 185 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	32 – 36 mA
Leakage current (PE)	< 0.22 mA
Max. input power	42.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	86 – 89 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.98
Typ. power input on stand-by ③	75 – 100 mW
THD (at 230 V, 50 Hz, full load)	< 4.4 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 20 %
Max. non-repetitive output peak current	≤ output current + 20 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	120 V
Dimensions L x W x H	140 x 100 x 15 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 350mA–900mA ECO C flat	**28000336**	20 pc(s).	1,000 pc(s).	0.167 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 350mA–900mA ECO C flat	350 mA	40 V	90 V	31.5 W	34.7 W	153 mA	90 °C	-25 ... +60 °C	open
LCAI 35W 350mA–900mA ECO C flat	375 mA	40 V	90 V	33.8 W	37.4 W	165 mA	90 °C	-25 ... +60 °C	71.50 kΩ
LCAI 35W 350mA–900mA ECO C flat	400 mA	39 V	88 V	35.2 W	39.5 W	174 mA	90 °C	-25 ... +60 °C	66.50 kΩ
LCAI 35W 350mA–900mA ECO C flat	425 mA	37 V	83 V	35.3 W	40.0 W	176 mA	90 °C	-25 ... +60 °C	61.90 kΩ
LCAI 35W 350mA–900mA ECO C flat	450 mA	35 V	79 V	35.6 W	40.4 W	177 mA	90 °C	-25 ... +60 °C	57.60 kΩ
LCAI 35W 350mA–900mA ECO C flat	475 mA	33 V	75 V	35.6 W	40.4 W	178 mA	90 °C	-25 ... +60 °C	53.60 kΩ
LCAI 35W 350mA–900mA ECO C flat	500 mA	31 V	71 V	35.5 W	40.5 W	178 mA	90 °C	-25 ... +60 °C	49.90 kΩ
LCAI 35W 350mA–900mA ECO C flat	525 mA	30 V	68 V	35.7 W	40.6 W	178 mA	90 °C	-25 ... +60 °C	45.30 kΩ
LCAI 35W 350mA–900mA ECO C flat	550 mA	28 V	65 V	35.8 W	40.8 W	179 mA	90 °C	-25 ... +60 °C	42.20 kΩ
LCAI 35W 350mA–900mA ECO C flat	575 mA	27 V	62 V	35.7 W	40.8 W	179 mA	90 °C	-25 ... +60 °C	38.30 kΩ
LCAI 35W 350mA–900mA ECO C flat	600 mA	26 V	59 V	35.4 W	40.6 W	178 mA	90 °C	-25 ... +60 °C	35.70 kΩ
LCAI 35W 350mA–900mA ECO C flat	625 mA	25 V	57 V	35.6 W	40.9 W	180 mA	90 °C	-25 ... +60 °C	32.40 kΩ
LCAI 35W 350mA–900mA ECO C flat	650 mA	24 V	55 V	35.8 W	41.0 W	180 mA	90 °C	-25 ... +60 °C	28.70 kΩ
LCAI 35W 350mA–900mA ECO C flat	675 mA	23 V	53 V	35.8 W	41.2 W	181 mA	90 °C	-25 ... +60 °C	26.10 kΩ
LCAI 35W 350mA–900mA ECO C flat	700 mA	22 V	51 V	35.7 W	41.4 W	182 mA	90 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 350mA–900mA ECO C flat	725 mA	21 V	49 V	35.5 W	41.1 W	181 mA	90 °C	-25 ... +55 °C	17.40 kΩ
LCAI 35W 350mA–900mA ECO C flat	750 mA	21 V	47 V	35.3 W	40.9 W	180 mA	90 °C	-25 ... +55 °C	15.00 kΩ
LCAI 35W 350mA–900mA ECO C flat	775 mA	20 V	46 V	35.7 W	41.5 W	182 mA	90 °C	-25 ... +55 °C	12.40 kΩ
LCAI 35W 350mA–900mA ECO C flat	800 mA	19 V	44 V	35.2 W	41.3 W	181 mA	90 °C	-25 ... +55 °C	10.00 kΩ
LCAI 35W 350mA–900mA ECO C flat	825 mA	19 V	43 V	35.5 W	41.5 W	182 mA	90 °C	-25 ... +55 °C	7.68 kΩ
LCAI 35W 350mA–900mA ECO C flat	850 mA	18 V	42 V	35.7 W	41.8 W	184 mA	90 °C	-25 ... +55 °C	5.36 kΩ
LCAI 35W 350mA–900mA ECO C flat	875 mA	17 V	41 V	35.9 W	42.1 W	185 mA	90 °C	-25 ... +55 °C	3.16 kΩ
LCAI 35W 350mA–900mA ECO C flat	900 mA	17 V	39 V	35.1 W	41.3 W	182 mA	90 °C	-25 ... +55 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

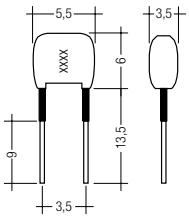
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV

RoHS

NEW

TALEXdriver LCBI 20W 350/500/700mA phase-cut/1–10V C

BASIC series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Output power 20 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10 to 100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off

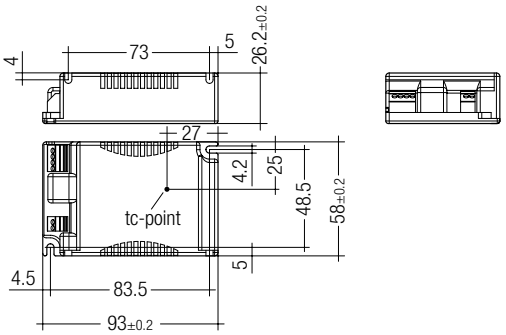
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.11 A
Power factor at full load ①	0.95
Power factor at min. load ①	0.9
Mains frequency	50 / 60 Hz
Max. input power	25 W
Output power	9.5 – 19 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 60,000 h)	50 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	93 x 58 x 26.2 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 20W 350mA phase-cut/1–10 V C	**87500285**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.082 kg
LCBI 20W 500mA phase-cut/1–10 V C	**87500286**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.081 kg
LCBI 20W 700mA phase-cut/1–10 V C	**87500287**	20 pc(s).	3,360 pc(s).	3,360 pc(s).	0.083 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current	Max. non-repetitive output peak current	Typical ripple current at full load
LCBI 20W 350mA phase-cut/1–10 V C	350 mA	81 %	78 %	27 V	54 V	65 V	510 mA	510 mA	± 25 %
LCBI 20W 500mA phase-cut/1–10 V C	500 mA	80 %	77 %	19 V	38 V	50 V	730 mA	810 mA	± 25 %
LCBI 20W 700mA phase-cut/1–10 V C	700 mA	79 %	76 %	14 V	27 V	40 V	1,060 mA	1,250 mA	± 35 %

① Test result at 230 V, 50 Hz without dimmer connected.

IP20 SELV

NEW

TALEXdriver LCBI 42W 700/900/1050mA phase-cut/1–10V C

BASIC series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current 700, 900 or 1,060 mA
- Output power 42 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10 to 100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off

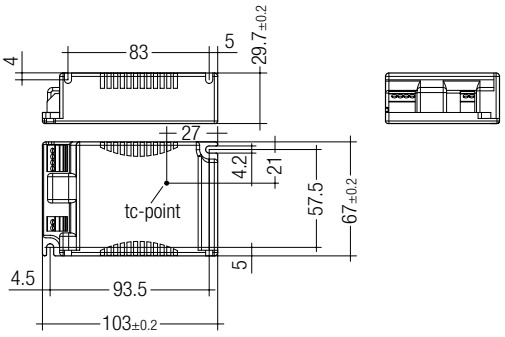
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.23 A
Power factor at full load ①	0.95
Power factor at min. load ①	0.9
Mains frequency	50 / 60 Hz
Max. input power	50 W
Output power	21 – 42 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 60,000 h)	40 °C
Max. casing temperature tc	95 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	103 x 67 x 29.7 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 42W 700mA phase-cut/1–10 V C	**87500288**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.152 kg
LCBI 42W 900mA phase-cut/1–10 V C	**87500289**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.148 kg
LCBI 42W 1050mA phase-cut/1–10 V C	**87500290**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.148 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current	Max. non-repetitive output peak current	Typical ripple current at full load
LCBI 42W 700mA phase-cut/1–10 V C	700 mA	83 %	79 %	30 V	60 V	70 V	980 mA	1,130 mA	± 30 %
LCBI 42W 900mA phase-cut/1–10 V C	900 mA	83 %	79 %	24 V	47 V	60 V	1,260 mA	1,460 mA	± 30 %
LCBI 42W 1050mA phase-cut/1–10 V C	1,050 mA	83 %	79 %	21 V	40 V	50 V	1,470 mA	1,700 mA	± 30 %

① Test result at 230 V, 50 Hz without dimmer connected.

IP20 SELV

TALEXdriver LCBI 10W 180/350/500mA phase-cut/1–10V SR

BASIC series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current 180, 350 or 500 mA
- Output power 10 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10 to 100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Screw terminal

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off

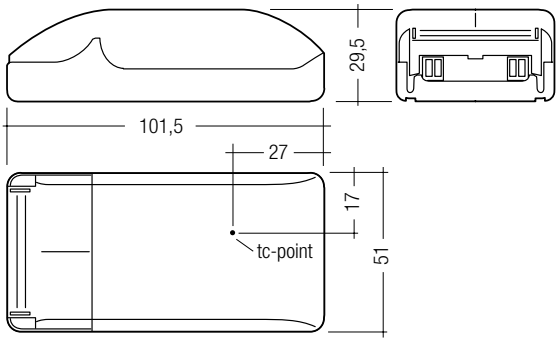
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.058 A
Power factor at full load ①	0.95
Power factor at min. load ①	0.9
Mains frequency	50 Hz
Max. input power	13 W
Output power	5 – 10 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Control input ②	1...10 V, potentiometer 200 kΩ
Output current tolerance (at 230 V, 50 Hz, full load)	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load)	± 10 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +40 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	60 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 10W 180mA phase-cut/1–10 V SR	**87500273**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.088 kg
LCBI 10W 350mA phase-cut/1–10 V SR	**87500274**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.086 kg
LCBI 10W 500mA phase-cut/1–10 V SR	**87500275**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.085 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load	Max. repetitive output peak current at min. load	Max. non-repetitive output peak current at full load	Max. non-repetitive output peak current at min. load	Typical ripple current at full load
LCBI 10W 180mA phase-cut/1–10 V SR	180 mA	77 %	72 %	28 V	56 V	65 V	270 mA	320 mA	270 mA	320 mA	± 25 %
LCBI 10W 350mA phase-cut/1–10 V SR	350 mA	76 %	72 %	14 V	28 V	45 V	510 mA	620 mA	580 mA	620 mA	± 30 %
LCBI 10W 500mA phase-cut/1–10 V SR	500 mA	74 %	70 %	10 V	20 V	35 V	760 mA	890 mA	760 mA	890 mA	± 35 %

① Test result at 230 V, 50 Hz without dimmer connected.
② 1...10 V DC source with double or reinforced insulation with respect to AC mains. Max. source current: 0.1 mA. Suitable for passiv and active control.

IP20 SELV

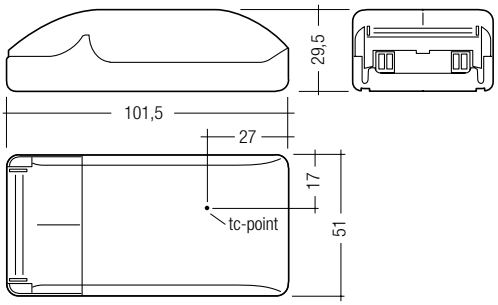
TALEXdriver LCBI 20W 350/500mA phase-cut/1–10V SR

BASIC series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current 350 or 500 mA
- Output power 20 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10 to 100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee





Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Screw terminal

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.11 A
Power factor at full load ①	0.95
Power factor at min. load ①	0.9
Mains frequency	50 Hz
Max. input power	25 W
Output power	9.5 – 19 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Control input ②	1...10 V, potentiometer 200 kΩ
Output current tolerance (at 230 V, 50 Hz, full load)	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load)	± 10 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +40 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 20W 350mA phase-cut/1–10 V SR	**87500276**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.088 kg
LCBI 20W 500mA phase-cut/1–10 V SR	**87500277**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.085 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load	Max. repetitive output peak current at min. load	Max. non-repetitive output peak current at full load	Max. non-repetitive output peak current at min. load	Typical ripple current at full load
LCBI 20W 350mA phase-cut/1–10 V SR	350 mA	81 %	78 %	27 V	54 V	65 V	510 mA	620 mA	510 mA	620 mA	± 25 %
LCBI 20W 500mA phase-cut/1–10 V SR	500 mA	80 %	77 %	19 V	38 V	50 V	730 mA	890 mA	740 mA	890 mA	± 25 %

① Test result at 230 V, 50 Hz without dimmer connected.
② 1...10 V DC source with double or reinforced insulation with respect to AC mains. Max. source current: 0.1 mA. Suitable for passiv and active control.

IP20 SELV RoHS

NEW

TALEXdriver LCBI 20W 700mA phase-cut/1–10V SR

BASIC series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current 700 mA
- Output power 20 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10 to 100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Screw terminal

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off

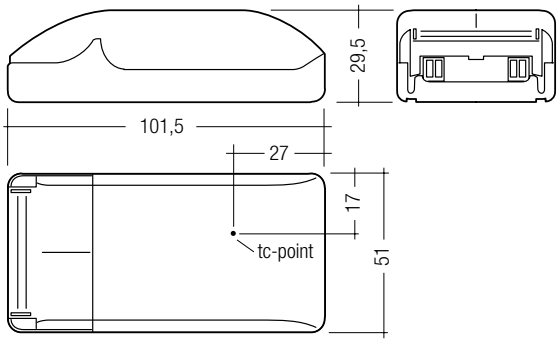
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.11 A
Power factor at full load	0.95
Power factor at min. load	0.9
Mains frequency	50 Hz
Max. input power	25 W
Output power	9.5 – 19 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Control input	1...10 V, potentiometer 200 kΩ
Output current tolerance (at 230 V, 50 Hz, full load)	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load)	± 10 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +40 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	101.5 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 20W 700mA phase-cut/1-10 V SR	**23000076**	20 pc(s).	280 pc(s).	3,360 pc(s).	0.086 kg

Specific technical data

Type	Output current	Efficiency at full load	Efficiency at min. load	Min. output voltage	Max. output voltage	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load	Max. repetitive output peak current at min. load	Max. non-repetitive output peak current at full load	Max. non-repetitive output peak current at min. load	Typical ripple current at full load
LCBI 20W 700mA phase-cut/1-10 V SR	700 mA	79 %	76 %	14 V	27 V	40 V	1,060 mA	1,210 mA	1,060 mA	1,210 mA	± 35 %

IP20 SELV

TALEXdriver LCBI 10W 180/350/500mA phase-cut/1–10V lp

BASIC series

Product description

- Independent dimmable LED Driver
- Constant current LED Driver
- Output current 180, 350 or 500 mA
- Output power 10 W
- Nominal life-time up to 50,000 h
- SELV
- Dimmable via leading edge and trailing edge phase dimmers
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range typ. 10 to 100 % (depending on dimmer)
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20
- Push-in terminals

Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off

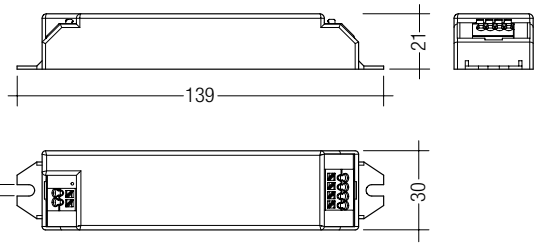
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.058 A
Power factor at full load ①	0.95
Power factor at min. load ①	0.9
Mains frequency	50 Hz
Max. input power	13 W
Output power	5 – 10 W
THD (at 230 V, 50 Hz, full load)	< 20 %
THD (at 230 V, 50 Hz, min. load)	< 20 %
Control input ②	1...10 V, potentiometer 200 kΩ
Output current tolerance (at 230 V, 50 Hz, full load)	± 7.5 %
Output current tolerance (at 230 V, 50 Hz, min. load)	± 10 %
Typ. ripple current (at 230 V, 50 Hz, full load)	± 40 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	139 x 30 x 21 mm

Ordering data

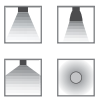
Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
LCBI 10W 180mA phase-cut/1-10V lp	**87500282**	30 pc(s).	960 pc(s).	6,720 pc(s).	0.064 kg
LCBI 10W 350mA phase-cut/1-10V lp	**87500283**	30 pc(s).	960 pc(s).	6,720 pc(s).	0.062 kg
LCBI 10W 500mA phase-cut/1-10V lp	**87500284**	30 pc(s).	960 pc(s).	6,720 pc(s).	0.064 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load	Max. repetitive output peak current at min. load	Max. non-repetitive output peak current at full load	Max. non-repetitive output peak current at min. load
LCBI 10W 180mA phase-cut/1-10V lp	180 mA	79 %	78 %	28 V	56 V	65 V	260 mA	310 mA	260 mA	310 mA
LCBI 10W 350mA phase-cut/1-10V lp	350 mA	78 %	75 %	14 V	28 V	45 V	500 mA	570 mA	500 mA	570 mA
LCBI 10W 500mA phase-cut/1-10V lp	500 mA	77 %	73 %	10 V	20 V	35 V	740 mA	870 mA	740 mA	870 mA

① Test result at 230 V, 50 Hz without dimmer connected.
② 1...10 V DC source with double or reinforced insulation with respect to AC mains. Max. source current: 0.1 mA. Suitable for passiv and active control.

IP20 SELV RoHS



TALEXdriver LCBI 15W 350/500/700mA BASIC phase-cut lp

BASIC series

Product description

- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, wire cross-section 0.5 – 1.5 mm²
- Output power 15/16 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

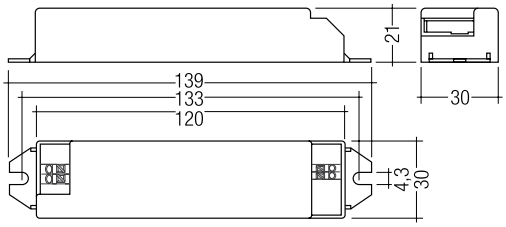
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.1 A
Power factor at full load ①	0.99
Power factor at min. load ①	0.97
Output current tolerance	± 7.5 %
Output current tolerance at full load ② ③	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	139 x 30 x 21 mm

Ordering data

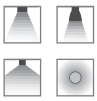
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBI 15W 350mA BASIC lp	**89800255**	25 pc(s).	600 pc(s).	0.053 kg
LCBI 15W 500mA BASIC lp	**89800256**	25 pc(s).	600 pc(s).	0.053 kg
LCBI 15W 700mA BASIC lp	**89800257**	25 pc(s).	600 pc(s).	0.053 kg

Specific technical data

Type	Efficiency at full load ①	Efficiency at min. load ①	Output current	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. forward voltage ①	Min. forward voltage ①	Max. output voltage ④	Max. input power	Max. output power
LCBI 15W 350mA BASIC lp	78 %	76 %	350 mA	540 mA	720 mA	540 mA	720 mA	46.0 V	21.0 V	51 V	21 W	15 W
LCBI 15W 500mA BASIC lp	77 %	75 %	500 mA	840 mA	1,040 mA	840 mA	1,040 mA	30.0 V	13.5 V	34 V	20 W	15 W
LCBI 15W 700mA BASIC lp	76 %	74 %	700 mA	1,280 mA	1,640 mA	1,280 mA	1,640 mA	21.5 V	10.0 V	24 V	20 W	15 W

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.
③ Output current tolerance at min. load max. 22 %.
④ At failure mode.

IP20 SELV RoHS



TALEXdriver LCBI 8W 350mA BASIC phase-cut SR

BASIC series

Product description

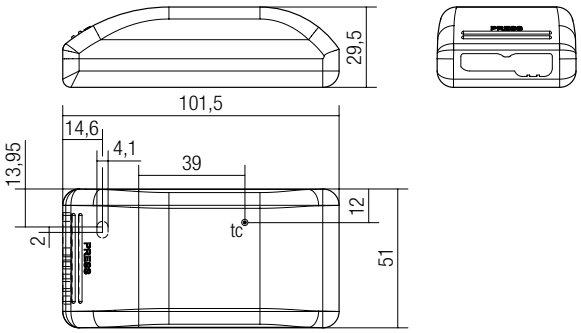
- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350 mA output current
- Screw terminal
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 8 W
- SELV
- Type of protection IP20
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





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For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.05 A
Power factor at full load ①	0.97
Power factor at min. load ①	0.96
Output current tolerance	± 7.5 %
Output current tolerance at full load ② ③	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	**Article number**	Packaging, carton	Packaging, pallet	Weight per pc.
LCBI 8W 350mA BASIC phase-cut SR	**89800394**	20 pc(s).	1,000 pc(s).	0.075 kg

Specific technical data

Type	Efficiency at full load ①	Efficiency at min. load ①	Output current	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. forward voltage ①	Min. forward voltage ①	Max. output voltage ④	Max. input power	Max. output power
LCBI 8W 350mA BASIC phase-cut SR	75 %	75 %	350 mA	520 mA	540 mA	520 mA	540 mA	22.8 V	18.6 V	25 V	11 W	8 W

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.
③ Output current tolerance at min. load max. 22 %.
④ At failure mode.

IP20 SELV RoHS

TALEXdriver LCBI 15W 350/500/700mA BASIC phase-cut SR

BASIC series

Product description

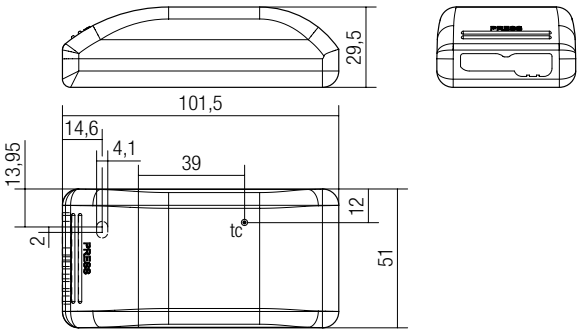
- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 14/15 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.09 A
Power factor at full load ①	0.99
Power factor at min. load ①	0.97
Output current tolerance	± 7.5 %
Output current tolerance at full load ② ③	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBI 15W 350mA BASIC phase-cut SR	**89800266**	20 pc(s).	1,000 pc(s).	0.075 kg
LCBI 15W 500mA BASIC phase-cut SR	**89800267**	20 pc(s).	1,000 pc(s).	0.075 kg
LCBI 14W 700mA BASIC phase-cut SR	**89800268**	20 pc(s).	1,000 pc(s).	0.075 kg

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For standards see data sheet

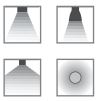
Product / function matrix, page 19

Specific technical data

Type	Efficiency at full load ①	Efficiency at min. load ①	Output current	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. forward voltage ①	Min. forward voltage ①	Max. output voltage ④	Max. input power	Max. output power
LCBI 15W 350mA BASIC phase-cut SR	78 %	76 %	350 mA	540 mA	760 mA	540 mA	760 mA	42 V	21.0 V	51 V	19 W	15 W
LCBI 15W 500mA BASIC phase-cut SR	77 %	75 %	500 mA	780 mA	1,030 mA	780 mA	1,030 mA	30 V	13.5 V	34 V	20 W	15 W
LCBI 14W 700mA BASIC phase-cut SR	76 %	74 %	700 mA	1,240 mA	1,580 mA	1,240 mA	1,580 mA	20 V	10.0 V	24 V	19 W	14 W

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.
③ Output current tolerance at min. load max. 22 %.
④ At failure mode.

IP20 SELV RoHS



TALEXdriver LCBI 25W 700mA BASIC phase-cut SR

BASIC series

Product description

- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 700 mA output current
- Screw terminal
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 25 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

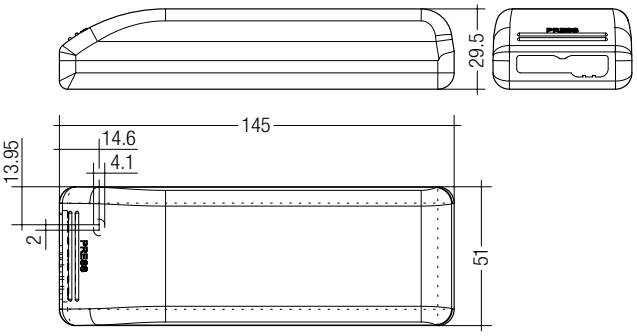
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.13 A
Power factor at full load ①	0.99
Power factor at min. load ①	0.97
Output current tolerance	± 7.5 %
Output current tolerance at full load ② ③	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	145 x 51 x 30 mm

Ordering data

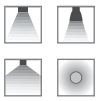
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBI 25W 700mA BASIC phase-cut SR	**89800307**	10 pc(s).	600 pc(s).	0.115 kg

Specific technical data

Type	Efficiency at full load ①	Efficiency at min. load ①	Output current	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. forward voltage ①	Min. forward voltage ①	Max. output voltage ④	Max. input power	Max. output power
LCBI 25W 700mA BASIC phase-cut SR	83 %	82 %	700 mA	950 mA	1,180 mA	950 mA	1,180 mA	35 V	16 V	39 V	30 W	25 W

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.
③ Output current tolerance at min. load max. 22 %.
④ At failure mode.

IP20 SELV



TALEXdriver LCBU 10W 12V BASIC phase-cut SR

BASIC series

Product description

- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V DC output voltage
- Screw terminal
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 10 W
- SELV
- Type of protection IP20
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

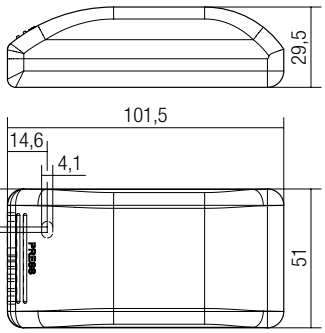
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.06 A
Power factor at full load ①	0.9
Power factor at min. load ①	0.7
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

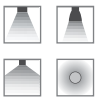
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBU 10W 12V BASIC phase-cut SR	**89800289**	20 pc(s).	1,000 pc(s).	0.065 kg

Specific technical data

Type	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage DC	Max. output voltage DC	Max. input power	Output power
LCBU 10W 12V BASIC phase-cut SR	77 %	65 %	0.83 A	11 – 15 V	15 V	13 W	3 – 10 W

① Test result at 230 V, 50 Hz.

IP20 SELV RoHS



TALEXdriver LCBU 25W 12V BASIC phase-cut SR

BASIC series

Product description

- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V DC output voltage
- Screw terminal
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 25 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

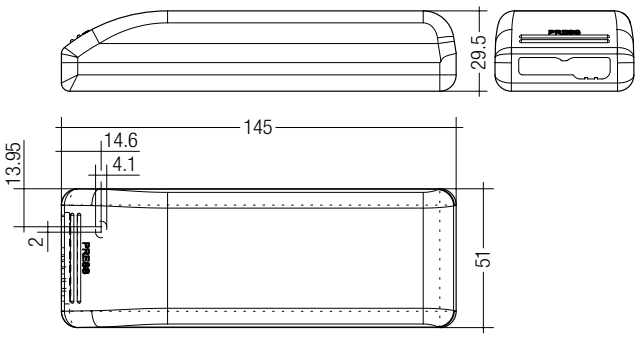
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.135 A
Power factor at full load ①	0.97
Power factor at min. load ①	0.75C
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	145 x 51 x 29.5 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCBU 25W 12V BASIC phase-cut SR	**89800290**	10 pc(s).	600 pc(s).	0.117 kg

Specific technical data

Type	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage DC	Max. output voltage DC	Max. input power	Output power
LCBU 25W 12V BASIC phase-cut SR	83 %	77 %	2.1 A	11 – 15 V	15 V	30 W	10 – 25 W

① Test result at 230 V, 50 Hz.

IP20 SELV RoHS

NEW

TALEXdriver LCBI 8W 350mA BASIC phase-cut SR ADV

BASIC series

Product description

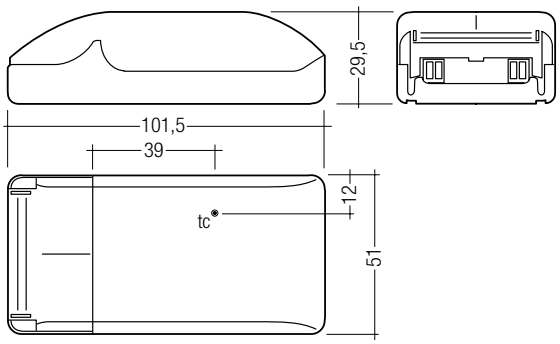
- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time of 60,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350 mA output current
- Screw terminal
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 8 W
- SELV
- Type of protection IP20
- Dimming range typ. 5 to 100 % (depending on dimmer)

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection

→ For product data sheet go to www.tridonic.com, or available on request





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For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.05 A
Power factor at full load ①	0.97
Power factor at min. load ①	0.96
Output current tolerance at full load ② ③	± 7.5 %
Typical ripple current at full load	± 25 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +60 °C
Ambient temperature ta (at life-time 60,000 h)	55 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCBI 8W 350mA BASIC phase-cut SR ADV	**87500321**	20 pc(s).	420 pc(s).	2,940 pc(s).	0.17 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. forward voltage ①	Min. forward voltage ①	Max. output voltage ④	Max. input power	Max. output power
LCBI 8W 350mA BASIC phase-cut SR ADV	350 mA	75 %	75 %	520 mA	540 mA	520 mA	540 mA	22.8 V	18.6 V	30 V	11 W	8 W

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.
③ Output current tolerance at min. load max. 22 %.
④ At failure mode.

IP20 SELV RoHS

NEW

TALEXdriver LCBI 15W 500mA BASIC PH-CUT SR ADV

BASIC series

Product description

- Dimmable via leading edge and trailing edge phase dimmers
- Nominal life-time of 60,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 500 mA output current
- Screw terminal
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 15 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)
- Dimming range typ. 5 to 100 % (depending on dimmer)
- Potted version

Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection

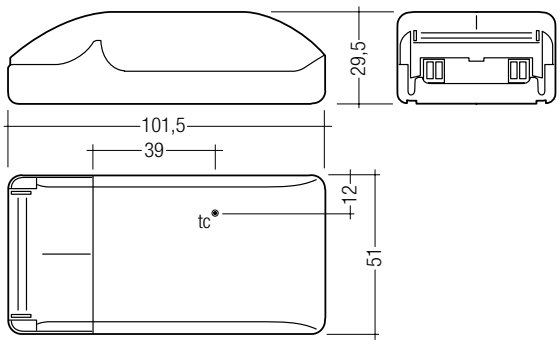
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.09 A
Power factor at full load ①	0.99
Power factor at min. load ①	0.95
Output current tolerance at full load ② ③	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 60,000 h)	50 °C
Max. casing temperature tc	75 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	102 x 51 x 30 mm

Ordering data

Type	**Article number**	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCBI 15W 500mA BASIC PH-CUT SR ADV	**87500320**	20 pc(s).	420 pc(s).	2,940 pc(s).	0.167 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Max. forward voltage ①	Min. forward voltage ①	Max. output voltage ④	Max. input power	Max. output power
LCBI 15W 500mA BASIC PH-CUT SR ADV	500 mA	77 %	75 %	780 mA	1,030 mA	780 mA	1,030 mA	30 V	13.5 V	34 V	20 W	15 W

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.
③ Output current tolerance at min. load max. 22 %.
④ At failure mode.

IP20 SELV RoHS

TALEXdriver LCI 15W 350/500/700mA stepDIM lp

BASIC series

Product description

- Constant current LED Driver for luminaire installation
- Implemented stepDIM function
- 10 or 30 % dimming level settable
- Can be used with a standard motion detector (Simple CORRIDOR FUNCTION)
- Nominal life-time of 50,000 h (at ta max. with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, wire cross-section 0.5 – 1.5 mm²
- Output power 15/16/16.5 W
- SELV
- Type of protection IP20
- Output dimmed analogue (current amplitude)

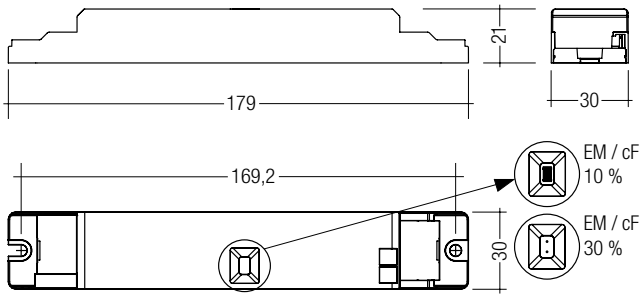
Properties

- Casing: polycarbonate, white
- Compact dimensions
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet
Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	198 – 264 V
Mains frequency	0 / 50 / 60 Hz
Output current tolerance (normal operation 100 %)	± 7.5 %
Typical ripple current at full load	± 15 %
Max. repetitive output peak current	Output current + 24 %
Max. non-repetitive output peak current	Output current + 24 %
Power factor at full load ①	0.99
Power factor at min. load ①	0.97C
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure (output)	0 s
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	179 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 15W 350mA stepDIM lp	**89800277**	10 pc(s).	800 pc(s).	0.064 kg
LCI 15W 500mA stepDIM lp	**89800278**	10 pc(s).	800 pc(s).	0.066 kg
LCI 15W 700mA stepDIM lp	**89800279**	10 pc(s).	800 pc(s).	0.065 kg

Specific technical data

Type	Typ. output current	Output current tolerance	Min. forward voltage	Max. forward voltage	Typ. output power	Typ. power consumption	Typ. current consumption	tc point max.	Ambient temperature ta
Normal operation 100 % (LCI 15W 350mA)									
LCI 15W 350mA stepDIM lp	350 mA	± 7,5 %	21.0 V	46.0 V	16.0 W	20.0 W	89 mA	90 °C	-25 ... +50 °C
Operation cF / EM 30 % (LCI 15W 350mA)									
LCI 15W 350mA stepDIM lp	105 mA	± 25 %	21.0 V	46.0 V	4.8 W	6.2 W	60 mA	90 °C	-25 ... +50 °C
Operation cF / EM 10 % (LCI 15W 350mA)									
LCI 15W 350mA stepDIM lp	35 mA	± 25 %	21.0 V	46.0 V	1.6 W	2.7 W	19 mA	90 °C	-25 ... +50 °C
Normal operation 100 % (LCI 15W 500mA)									
LCI 15W 500mA stepDIM lp	500 mA	± 7,5 %	13.5 V	33.5 V	16.5 W	20.5 W	86 mA	85 °C	-25 ... +55 °C
Operation cF / EM 30 % (LCI 15W 500mA)									
LCI 15W 500mA stepDIM lp	150 mA	± 25 %	13.5 V	33.5 V	4.9 W	6.3 W	57 mA	85 °C	-25 ... +55 °C
Operation cF / EM 10 % (LCI 15W 500mA)									
LCI 15W 500mA stepDIM lp	50 mA	± 25 %	13.5 V	33.5 V	1.7 W	3.0 W	20 mA	85 °C	-25 ... +55 °C
Normal operation 100 % (LCI 15W 700mA)									
LCI 15W 700mA stepDIM lp	700 mA	± 7,5 %	10.0 V	21.5 V	15.0 W	19.0 W	84 mA	85 °C	-25 ... +55 °C
Operation cF / EM 30 % (LCI 15W 700mA)									
LCI 15W 700mA stepDIM lp	210 mA	± 25 %	10.0 V	21.5 V	4.5 W	5.8 W	51 mA	85 °C	-25 ... +55 °C
Operation cF / EM 10 % (LCI 15W 700mA)									
LCI 15W 700mA stepDIM lp	70 mA	± 25 %	10.0 V	21.5 V	1.5 W	3.0 W	21 mA	85 °C	-25 ... +55 °C

① Test result at 230 V, 50 Hz.

IP20 SELV RoHS

NEW

TALEXdriver LCI 27W 1000mA 1–10V Outdoor

BASIC series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current 1,000 mA
- Max. output power 27 W
- Nominal life-time up to 100,000 h
- SELV
- Dimmable via 1...10 V
- Output dimmed analogue (current amplitude)
- Dimming range 10 to 100 %
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

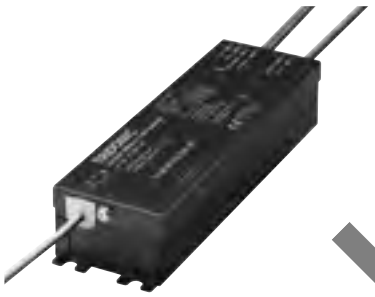
- Metal casing black
- Type of protection IP20
- Connection with cable

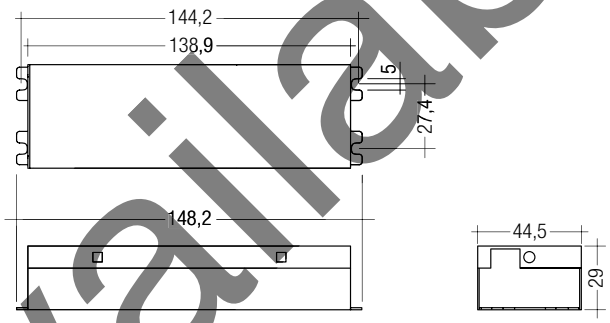
Functions

- Overload protection
- Short-circuit protection
- No-load protection
- No output current overshoot at mains on/off
- Burst protection voltage up to 4 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 4 kV (L/N to earth)

→ tFor product data sheet go to www.tridonic.com, or available on request

For standards see data sheet
Product / function matrix, page 19





Technical data

Rated supply votlage (ENEC)	220 – 240 V
Input voltage AC (ENEC)	198 – 264 V
Rated supply votlage (UL)	120 – 277 V
Input voltage AC (UL)	108 – 305 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.14 A
Power factor at full load ①	> 0.95
Power factor at min. load ①	> 0.9
Max. input power	32 W
Output power	2.2 – 27 W
THD	< 20 %
Output current tolerance (Imax / Imin)	± 5 % / ± 20 %
Leakage current (PE)	< 0.5 mA
Turn on time	< 1 s
Turn off time	< 0.5 s
Hold on time at power failure	< 0.5 s
Ambient temperature ta	-30 ... +55 °C
Ambient temperature ta (at life-time 100,000 h)	55 °C
Max. casing temperature tc	70 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	148.2 x 45 x 29 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 27W 1000mA 1–10 V Outdoor		20 pc(s).	900 pc(s).	0.395 kg

Specific technical data

Type	Output current	Efficiency at full load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current	Max. non-repetitive output peak current	Typical ripple current at full load
LCI 27W 1000mA 1–10 V Outdoor	1,000 mA	85 %	84 %	22 V	27 V	40 V	1,050 mA	1,050 mA	± 10 %

① Test result at 230 V, 50 Hz without dimmer connected.

Not available

IP20 RoHS

NEW

TALEXdriver LC 150W 350–900mA IND IP20 flexC sl ADV

ADVANCED series

Product description

- Fixed output constant current built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 900 mA
- Max. output power 150 W
- Nominal life-time up to 200,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

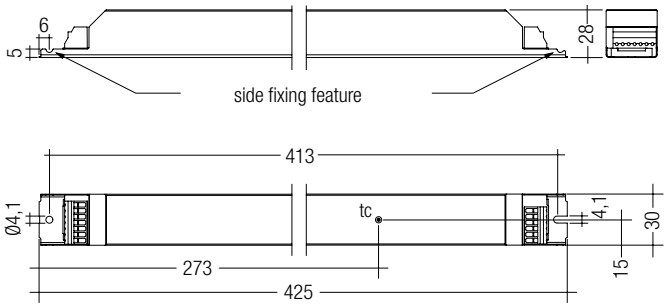
- White slim metal casing
- Type of protection IP20

Functions

- Adjustable output current (I-select resistor)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units acc. to EN 50172
- Intelligent Voltage Guard (overvoltage and undervoltage shutdown)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. rated current (at 230 V, 50 Hz, full load) ①	700 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ①	150 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	95 %
λ (at 230 V, 50 Hz, full load) ①	0.98
Typ. input current in no-load operation	90 mA
Typ. input power in no-load operation	< 250 mW
In-rush current (peak / duration)	60 A / 200 µs
THD (at 230 V, 50 Hz, full load)	< 10 %
Time to light (at 230 V, 50 Hz, full load)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 20 %
LF ripple (< 120 Hz)	< 0.1 %
Max. output voltage (no-load voltage)	420 V
PWM frequency at DC operation ②	500 Hz
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	425 x 30 x 28 mm

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For standards see data sheet

Product / function matrix, page 19

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LC 150W 350-900mA IND IP20 flexC sl ADV	**28000916**	10 pc(s).	480 pc(s).	0.374 kg

Specific technical data

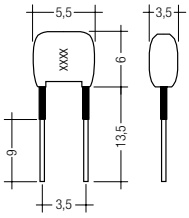
Type	Output current	Min. forward voltage	Max. forward voltage ③	Max. output power ③	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LC 150W 350-900mA IND IP20 flexC sl ADV	350 mA	126 V	300 V	105 W	110 W	478 mA	90 °C	-40 ... +70 °C	open
LC 150W 350-900mA IND IP20 flexC sl ADV	375 mA	126 V	300 V	113 W	118 W	513 mA	90 °C	-40 ... +70 °C	71.50 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	400 mA	126 V	300 V	120 W	125 W	543 mA	90 °C	-40 ... +70 °C	66.50 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	425 mA	126 V	300 V	128 W	133 W	578 mA	90 °C	-40 ... +70 °C	61.90 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	450 mA	126 V	300 V	135 W	141 W	613 mA	90 °C	-40 ... +70 °C	57.60 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	475 mA	126 V	300 V	143 W	149 W	648 mA	90 °C	-40 ... +70 °C	53.60 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	500 mA	126 V	300 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	49.90 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	525 mA	126 V	286 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	45.30 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	550 mA	123 V	273 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	42.20 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	575 mA	117 V	261 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	38.30 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	600 mA	113 V	250 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	35.70 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	625 mA	108 V	240 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	32.40 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	650 mA	104 V	231 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	28.70 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	675 mA	100 V	222 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	26.10 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	700 mA	96 V	214 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	22.00 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	725 mA	93 V	207 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	17.40 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	750 mA	90 V	200 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	15.00 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	775 mA	87 V	194 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	12.40 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	800 mA	84 V	188 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	10.00 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	825 mA	82 V	182 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	7.68 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	850 mA	79 V	177 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	5.36 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	875 mA	77 V	171 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	3.16 kΩ
LC 150W 350-900mA IND IP20 flexC sl ADV	900 mA	75 V	167 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	short circuit (0 kΩ)

① Depending on the selected output current.
② ± 10 %.
③ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.9 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.0 kΩ	10 pc(s).	0.001 kg

IP20 RoHS

NEW

TALEXdriver LC 22W 280mA fixC lp SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 280 mA
- Max. output power 20.5 W
- Nominal life-time up to 30,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 3-year guarantee

Properties

- Casing: metal, white
- Type of protection IP20

Functions

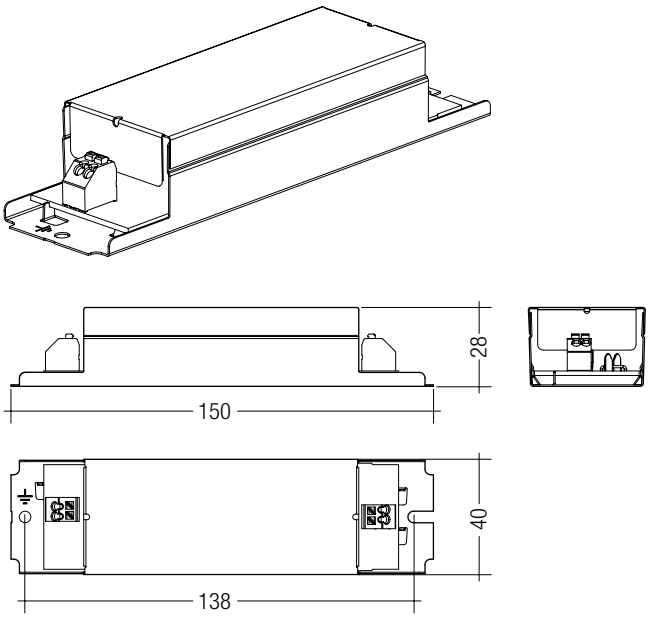
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.115 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	24.5 W
Output power range	13.5 – 22.5 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 80 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 30,000 h)	40 °C
Max. casing temperature tc	60 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	150 x 40 x 28 mm
Hole spacing D	138 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 22W 280mA fixC lp SNC	**87500403**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.115 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. forward voltage ①	Max. forward voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ①②	Max. repetitive output peak current at min. load ①②	Max. non-repetitive output peak current at full load ①②	Max. non-repetitive output peak current at min. load ①②
LC 22W 280mA fixC lp SNC	280 mA	0.95	91.5 %	0.9C	89.5 %	48 V	80 V	98 V	400 mA	420 mA	400 mA	420 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 RoHS

NEW

TALEXdriver LC 33W 280mA fixC lp SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 280 mA
- Max. output power 33 W
- Nominal life-time up to 30,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 3-year guarantee

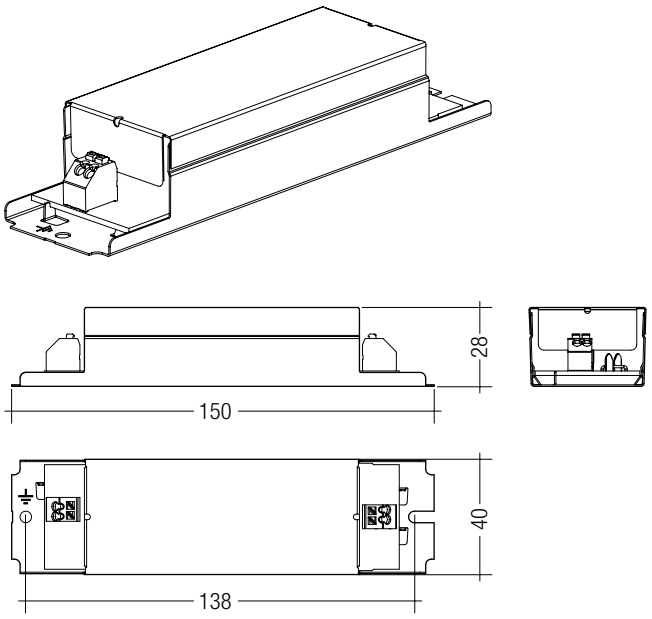
Properties

- Casing: metal, white
- Type of protection IP20

Functions

- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.16 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	36.5 W
Output power range	20 – 33 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 80 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 30,000 h)	40 °C
Max. casing temperature tc	60 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	150 x 40 x 28 mm
Hole spacing D	138 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 33W 280mA fixC lp SNC	**87500404**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.119 kg

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For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. forward voltage ①	Max. forward voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ①②	Max. repetitive output peak current at min. load ①②	Max. non-repetitive output peak current at full load ①②	Max. non-repetitive output peak current at min. load ①②
LC 33W 280mA fixC lp SNC	280 mA	0,95	93,5 %	0,91C	92 %	71 V	119 V	145 V	400 mA	420 mA	400 mA	420 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 RoHS

NEW

TALEXdriver LC 45W 280mA fixC lp SNC

ESSENCE series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 280 mA
- Max. output power 44.5 W
- Nominal life-time up to 30,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 3-year guarantee

Properties

- Casing: metal, white
- Type of protection IP20

Functions

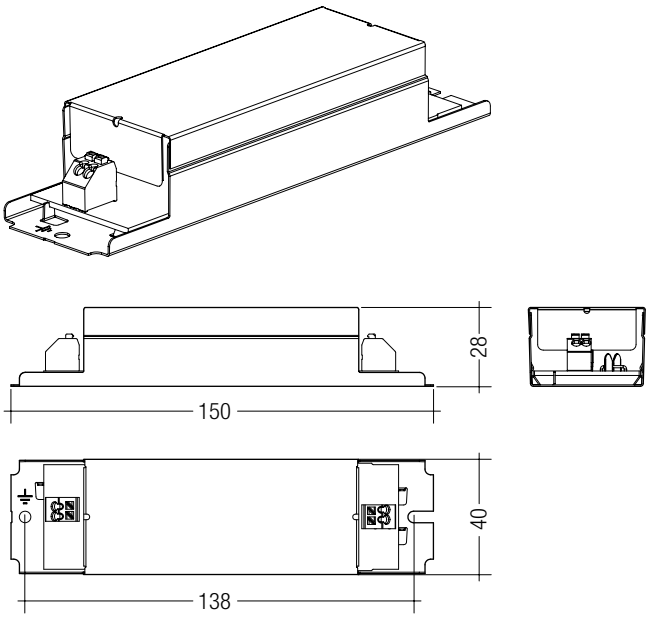
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19



Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.26 A
Mains frequency	50 / 60 Hz
Input power (at 230 V, 50 Hz, full load)	50 W
Output power range	26.5 – 44.5 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 80 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 30,000 h)	40 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	150 x 40 x 28 mm
Hole spacing D	138 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 45W 280mA fixC lp SNC	**87500405**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.124 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. forward voltage ①	Max. forward voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ①②	Max. repetitive output peak current at min. load ①②	Max. non-repetitive output peak current at full load ①②	Max. non-repetitive output peak current at min. load ①②
LC 45W 280mA fixC lp SNC	280 mA	0.95	93.5 %	0.95	92.5 %	95 V	159 V	185 V	400 mA	420 mA	400 mA	420 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 RoHS



TALEXdriver LCI 70W 300mA I010

TOP series

Product description

- Built-in LED Driver
- Constant current LED Driver with 300 mA output current
- Output power 70 W
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

Properties

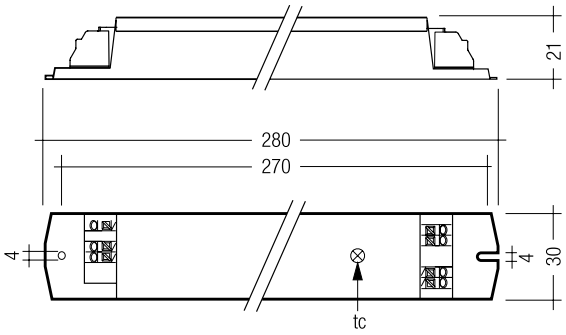
- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request





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For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.33 A
Mains current (at 220 V, 0 Hz, full load)	0.33 A
Leakage current (PE)	< 0.2 mA
Max. input power	78 W
Typ. efficiency (at 230 V, 50 Hz, full load)	> 94.5 %
Typ. λ (at 230 V, 50 Hz, full load)	0.95
Output current ripple	± 30 %
Max. repetitive output peak current	410 mA
Max. non-repetitive output peak current	500 mA
Time to light	0.4 s
Turn off time (at 230 V, 50 Hz, full load)	0.1 s
Hold on time①	10 ms
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature tc	70 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	270 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 070/0300 I010 220-240 V	**28000160**	10 pc(s).	960 pc(s).	0.2 kg

Specific technical data

Type	Output current	Output current tolerance	Output voltage range	Max. output voltage②	Typ. output power
LCI 070/0300 I010 220-240 V	300 mA	± 5 %	116 – 230 V	250 V	70 W

① At power failure.
② In non-load operation.

IP20 RoHS



TALEXdriver LCI 80W 350mA I010

TOP series

Product description

- Built-in LED Driver
- Constant current LED Driver with 350 mA output current
- Output power 80 W
- Nominal life-time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee

Properties

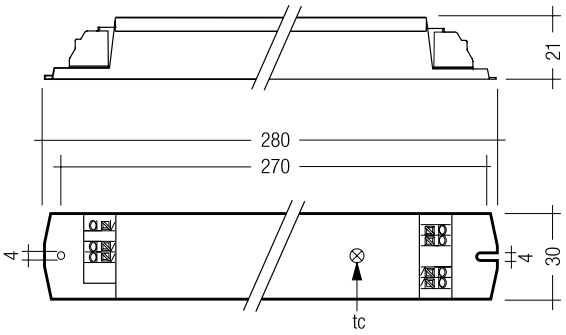
- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request





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For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load)	0.38 A
Mains current (at 220 V, 0 Hz, full load)	0.39 A
Leakage current (PE)	< 0.2 mA
Max. input power	89 W
Typ. efficiency (at 230 V, 50 Hz, full load)	> 94.5 %
Typ. λ (at 230 V, 50 Hz, full load)	0.95
Output current ripple	± 30 %
Max. repetitive output peak current	478 mA
Max. non-repetitive output peak current	600 mA
Time to light	0.4 s
Turn off time (at 230 V, 50 Hz, full load)	0.1 s
Hold on time ①	10 ms
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	270 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 080/0350 I010 220-240V	**28000093**	10 pc(s).	960 pc(s).	0.199 kg

Specific technical data

Type	Output current	Output current tolerance	Output voltage range	Max. output voltage ②	Typ. output power
LCI 080/0350 I010 220-240V	350 mA	± 5 %	116 – 230 V	250 V	80 W

① At power failure.
② In non-load operation.

IP20 SELV



TALEXdriver LCI 20W 150mA–400mA TOP Ip

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

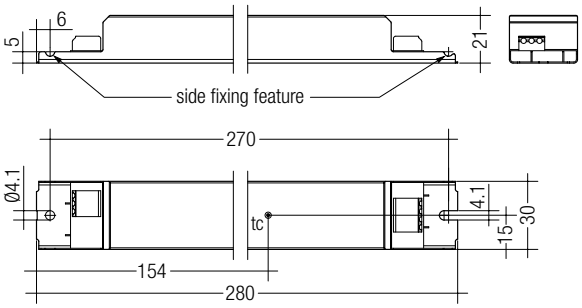
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	22.6 W
Efficiency (at 230 V, 50 Hz, full load)	79 – 85 %
THD (at 230 V, 50 Hz, full load)	12 – 22 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 20W 150mA–400mA TOP Ip	**28000205**	10 pc(s).	960 pc(s).	0.173 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 20W 150mA–400mA TOP lp	150 mA	21.6 V	48 V	7.2 W	9.1 W	51 mA	0.78	75 °C	-25 ... +65 °C	75/65 °C	open
LCI 20W 150mA–400mA TOP lp	175 mA	21.6 V	48 V	8.4 W	10.4 W	56 mA	0.81	75 °C	-25 ... +65 °C	75/65 °C	63.40 kΩ
LCI 20W 150mA–400mA TOP lp	200 mA	21.6 V	48 V	9.6 W	11.8 W	61 mA	0.84	75 °C	-25 ... +65 °C	75/65 °C	54.90 kΩ
LCI 20W 150mA–400mA TOP lp	225 mA	21.6 V	48 V	10.8 W	13.2 W	67 mA	0.86	75 °C	-25 ... +65 °C	75/65 °C	47.50 kΩ
LCI 20W 150mA–400mA TOP lp	250 mA	21.6 V	48 V	12.0 W	14.4 W	71 mA	0.88	75 °C	-25 ... +65 °C	75/65 °C	40.20 kΩ
LCI 20W 150mA–400mA TOP lp	275 mA	21.6 V	48 V	13.2 W	15.8 W	76 mA	0.90	75 °C	-25 ... +65 °C	75/65 °C	34.00 kΩ
LCI 20W 150mA–400mA TOP lp	300 mA	21.6 V	48 V	14.4 W	17.2 W	82 mA	0.91	75 °C	-25 ... +65 °C	75/65 °C	27.40 kΩ
LCI 20W 150mA–400mA TOP lp	325 mA	21.6 V	48 V	15.6 W	18.6 W	88 mA	0.92	75 °C	-25 ... +60 °C	74/60 °C	22.00 kΩ
LCI 20W 150mA–400mA TOP lp	350 mA	21.6 V	48 V	16.8 W	20.0 W	94 mA	0.93	75 °C	-25 ... +60 °C	74/60 °C	12.00 kΩ
LCI 20W 150mA–400mA TOP lp	375 mA	21.6 V	48 V	18.0 W	21.3 W	99 mA	0.94	75 °C	-25 ... +60 °C	74/60 °C	6.19 kΩ
LCI 20W 150mA–400mA TOP lp	400 mA	21.6 V	48 V	19.2 W	22.6 W	105 mA	0.94	75 °C	-25 ... +60 °C	74/60 °C	short circuit (0 kΩ)

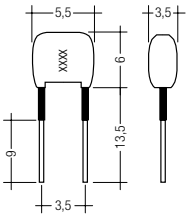
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20



TALEXdriver LCI 35W 150mA–400mA TOP lp

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

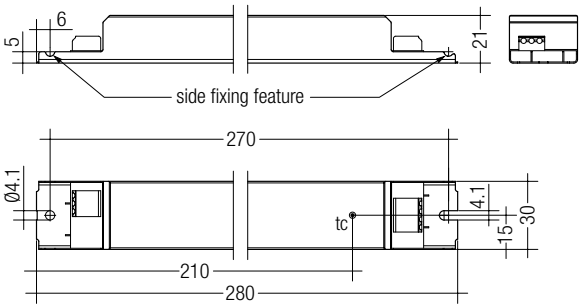
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	39.7 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 93 %
THD (at 230 V, 50 Hz, full load)	< 11 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	250 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 150mA–400mA TOP lp	**28000198**	10 pc(s).	960 pc(s).	0.198 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 150mA–400mA TOP lp	150 mA	105.0 V	233.3 V	35 W	37.8 W	173 mA	0.95	75 °C	-25 ... +65 °C	75/65 °C	open
LCI 35W 150mA–400mA TOP lp	175 mA	90.0 V	200.0 V	35 W	37.9 W	173 mA	0.95	75 °C	-25 ... +60 °C	75/60 °C	63.40 kΩ
LCI 35W 150mA–400mA TOP lp	200 mA	78.8 V	175.0 V	35 W	38.0 W	174 mA	0.95	75 °C	-25 ... +60 °C	75/60 °C	54.90 kΩ
LCI 35W 150mA–400mA TOP lp	225 mA	70.0 V	155.6 V	35 W	38.2 W	175 mA	0.95	75 °C	-25 ... +60 °C	75/60 °C	47.50 kΩ
LCI 35W 150mA–400mA TOP lp	250 mA	63.0 V	140.0 V	35 W	38.3 W	175 mA	0.95	75 °C	-25 ... +60 °C	75/60 °C	40.20 kΩ
LCI 35W 150mA–400mA TOP lp	275 mA	57.3 V	127.3 V	35 W	38.5 W	176 mA	0.95	75 °C	-25 ... +55 °C	75/55 °C	34.00 kΩ
LCI 35W 150mA–400mA TOP lp	300 mA	52.5 V	116.7 V	35 W	38.8 W	178 mA	0.95	75 °C	-25 ... +55 °C	75/55 °C	27.40 kΩ
LCI 35W 150mA–400mA TOP lp	325 mA	48.5 V	107.7 V	35 W	38.9 W	178 mA	0.95	75 °C	-25 ... +55 °C	75/55 °C	22.00 kΩ
LCI 35W 150mA–400mA TOP lp	350 mA	45.0 V	100.0 V	35 W	39.2 W	179 mA	0.95	75 °C	-25 ... +55 °C	75/55 °C	12.00 kΩ
LCI 35W 150mA–400mA TOP lp	375 mA	42.0 V	93.3 V	35 W	39.3 W	180 mA	0.95	75 °C	-25 ... +55 °C	70/50 °C	6.19 kΩ
LCI 35W 150mA–400mA TOP lp	400 mA	39.4 V	87.5 V	35 W	39.7 W	182 mA	0.95	75 °C	-25 ... +55 °C	70/50 °C	short circuit (0 kΩ)

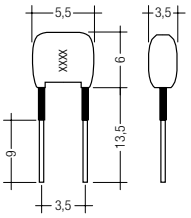
ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 35W 350mA–900mA TOP Ip

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 900 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

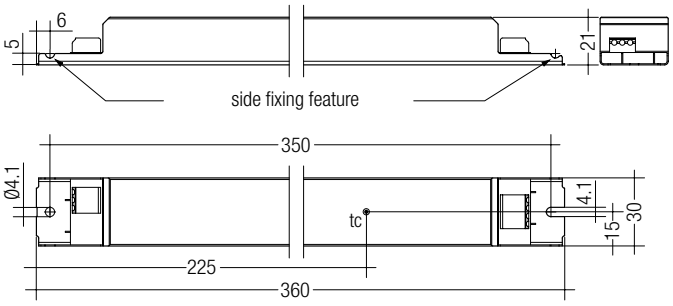
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	40.3 W
Efficiency (at 230 V, 50 Hz, full load)	86 – 88 %
THD (at 230 V, 50 Hz, full load)	< 17 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 20 ms
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 350mA-900mA TOP Ip	**28000439**	10 pc(s).	760 pc(s).	0.236 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 350mA-900mA TOP Ip	350 mA	21.6 V	48.0 V	16.8 W	19.5 W	98 mA	0.86	80 °C	-25 ... +70 °C	80/70 °C	open
LCI 35W 350mA-900mA TOP Ip	400 mA	21.6 V	48.0 V	19.2 W	22.2 W	109 mA	0.88	80 °C	-25 ... +70 °C	80/70 °C	66.50 kΩ
LCI 35W 350mA-900mA TOP Ip	450 mA	21.6 V	48.0 V	21.6 W	24.9 W	121 mA	0.90	80 °C	-25 ... +70 °C	80/70 °C	57.60 kΩ
LCI 35W 350mA-900mA TOP Ip	500 mA	21.6 V	48.0 V	24.0 W	27.6 W	132 mA	0.91	80 °C	-25 ... +70 °C	80/70 °C	49.90 kΩ
LCI 35W 350mA-900mA TOP Ip	550 mA	21.6 V	48.0 V	26.4 W	30.2 W	143 mA	0.92	80 °C	-25 ... +70 °C	80/70 °C	42.20 kΩ
LCI 35W 350mA-900mA TOP Ip	600 mA	21.6 V	48.0 V	28.8 W	32.7 W	154 mA	0.93	80 °C	-25 ... +70 °C	80/70 °C	35.70 kΩ
LCI 35W 350mA-900mA TOP Ip	650 mA	21.6 V	48.0 V	31.2 W	35.5 W	164 mA	0.94	85 °C	-25 ... +70 °C	80/65 °C	28.70 kΩ
LCI 35W 350mA-900mA TOP Ip	700 mA	21.6 V	48.0 V	33.6 W	38.2 W	174 mA	0.95	85 °C	-25 ... +70 °C	80/65 °C	22.00 kΩ
LCI 35W 350mA-900mA TOP Ip	750 mA	21.0 V	46.7 V	35.0 W	39.8 W	181 mA	0.96	85 °C	-25 ... +70 °C	80/65 °C	15.00 kΩ
LCI 35W 350mA-900mA TOP Ip	800 mA	19.7 V	43.8 V	35.0 W	39.9 W	181 mA	0.96	85 °C	-25 ... +70 °C	80/65 °C	10.00 kΩ
LCI 35W 350mA-900mA TOP Ip	850 mA	18.5 V	41.2 V	35.0 W	40.2 W	183 mA	0.96	85 °C	-25 ... +70 °C	80/65 °C	5.36 kΩ
LCI 35W 350mA-900mA TOP Ip	900 mA	17.5 V	38.9 V	35.0 W	40.3 W	183 mA	0.96	85 °C	-25 ... +70 °C	80/65 °C	short circuit (0 kΩ)

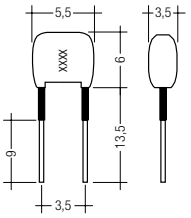
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 35W 900mA–1750mA TOP Ip

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1.750 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

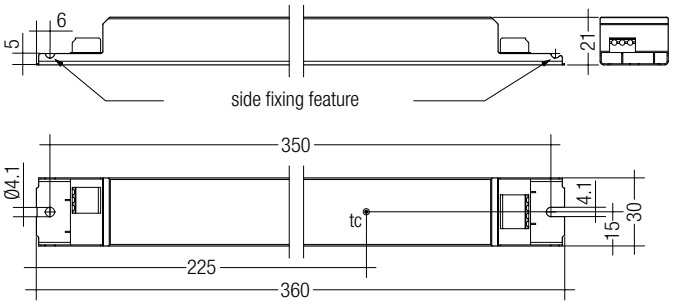
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	42 W
Efficiency (at 230 V, 50 Hz, full load)	84 – 88 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 900mA-1750mA TOP Ip	**28000440**	10 pc(s).	760 pc(s).	0.235 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 900mA-1750mA TOP Ip	900 mA	17.5 V	38.9 V	35 W	40.0 W	181 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	open
LCI 35W 900mA-1750mA TOP Ip	950 mA	16.6 V	36.8 V	35 W	40.2 W	182 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	69.80 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,000 mA	15.8 V	35.0 V	35 W	40.3 W	183 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	64.90 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,050 mA	15.0 V	33.3 V	35 W	40.3 W	183 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	56.00 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,100 mA	14.3 V	31.8 V	35 W	40.5 W	183 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	47.50 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,150 mA	13.7 V	30.4 V	35 W	40.7 W	184 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	43.20 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,200 mA	13.1 V	29.2 V	35 W	40.9 W	185 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	40.20 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,250 mA	12.6 V	28.0 V	35 W	41.1 W	186 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	36.50 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,300 mA	12.1 V	26.9 V	35 W	41.2 W	187 mA	0.96	85 °C	-25 ... +65 °C	85/65 °C	32.40 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,350 mA	11.7 V	25.9 V	35 W	41.3 W	187 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	28.70 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,400 mA	11.3 V	25.0 V	35 W	41.4 W	188 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	22.00 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,450 mA	10.9 V	24.1 V	35 W	41.5 W	188 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	17.80 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,500 mA	10.5 V	23.3 V	35 W	41.5 W	188 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	15.00 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,550 mA	10.2 V	22.6 V	35 W	41.7 W	189 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	12.10 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,600 mA	9.8 V	21.9 V	35 W	41.6 W	188 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	9.30 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,650 mA	9.5 V	21.2 V	35 W	41.7 W	189 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	6.49 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,700 mA	9.3 V	20.6 V	35 W	41.8 W	189 mA	0.96	85 °C	-25 ... +65 °C	80/60 °C	3.83 kΩ
LCI 35W 900mA-1750mA TOP Ip	1,750 mA	9.0 V	20.0 V	35 W	42.0 W	189 mA	0.97	85 °C	-25 ... +65 °C	80/60 °C	short circuit (0 kΩ)

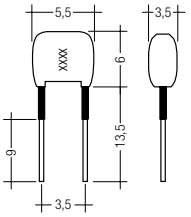
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

IP20

TALEXdriver LCI 65W 150mA–400mA TOP lp

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

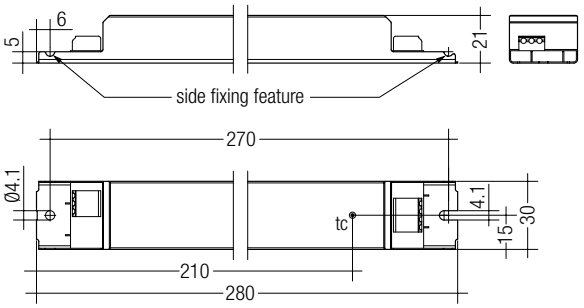
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Max. input power	71 W
Efficiency (at 230 V, 50 Hz, full load)	92 – 93 %
THD (at 230 V, 50 Hz, full load)	< 11 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	250 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 65W 150mA–400mA TOP lp	**28000201**	10 pc(s).	960 pc(s).	0.2 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 65W 150mA–400mA TOP lp	150 mA	112 V	250 V	37.5 W	40.3 W	183 mA	0.96	75 °C	-25 ... +65 °C	75/65 °C	open
LCI 65W 150mA–400mA TOP lp	175 mA	112 V	250 V	43.7 W	47.0 W	211 mA	0.97	75 °C	-25 ... +60 °C	75/60 °C	63.40 kΩ
LCI 65W 150mA–400mA TOP lp	200 mA	112 V	250 V	50.0 W	53.8 W	240 mA	0.97	75 °C	-25 ... +60 °C	75/60 °C	54.90 kΩ
LCI 65W 150mA–400mA TOP lp	225 mA	112 V	250 V	56.3 W	60.5 W	269 mA	0.98	75 °C	-25 ... +60 °C	75/60 °C	47.50 kΩ
LCI 65W 150mA–400mA TOP lp	250 mA	112 V	250 V	62.5 W	67.2 W	298 mA	0.98	75 °C	-25 ... +60 °C	75/60 °C	40.20 kΩ
LCI 65W 150mA–400mA TOP lp	275 mA	105 V	236 V	65.0 W	69.9 W	310 mA	0.98	75 °C	-25 ... +55 °C	75/55 °C	34.00 kΩ
LCI 65W 150mA–400mA TOP lp	300 mA	97 V	217 V	65.0 W	70.0 W	310 mA	0.98	75 °C	-25 ... +55 °C	75/55 °C	27.40 kΩ
LCI 65W 150mA–400mA TOP lp	325 mA	90 V	200 V	65.0 W	70.0 W	311 mA	0.98	75 °C	-25 ... +55 °C	75/55 °C	22.00 kΩ
LCI 65W 150mA–400mA TOP lp	350 mA	83 V	186 V	65.0 W	70.1 W	310 mA	0.98	75 °C	-25 ... +55 °C	75/55 °C	12.00 kΩ
LCI 65W 150mA–400mA TOP lp	375 mA	77 V	173 V	65.0 W	70.2 W	311 mA	0.98	75 °C	-25 ... +55 °C	70/50 °C	6.19 kΩ
LCI 65W 150mA–400mA TOP lp	400 mA	72 V	163 V	65.0 W	70.5 W	312 mA	0.98	75 °C	-25 ... +55 °C	70/50 °C	short circuit (0 kΩ)

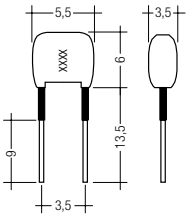
ACCES-
SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 65W 900mA–1750mA TOP Ip

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1.750 mA
- Max. output power 65 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172

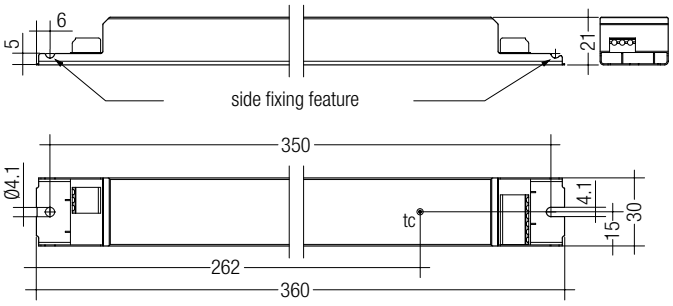
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage range DC	176 – 280 V (start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Leakage current (PE)	< 0.6 mA
Max. input power	76 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 90.5 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 0.5 s
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 65W 900mA-1750mA TOP Ip	**28000444**	10 pc(s).	760 pc(s).	0.254 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 65W 900mA-1750mA TOP Ip	900 mA	21.6 V	48.0 V	43.2 W	49.9 W	218 mA	0.98	85 °C	-25 ... +60 °C	85/60 °C	open
LCI 65W 900mA-1750mA TOP Ip	950 mA	21.6 V	48.0 V	45.6 W	52.8 W	230 mA	0.98	85 °C	-25 ... +60 °C	85/60 °C	69.80 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,000 mA	21.6 V	48.0 V	48.0 W	55.6 W	242 mA	0.98	85 °C	-25 ... +60 °C	85/60 °C	64.90 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,050 mA	21.6 V	48.0 V	50.4 W	59.2 W	257 mA	0.98	85 °C	-25 ... +55 °C	85/55 °C	56.00 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,100 mA	21.6 V	48.0 V	52.8 W	62.1 W	270 mA	0.98	85 °C	-25 ... +55 °C	85/55 °C	47.50 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,150 mA	21.6 V	48.0 V	55.2 W	63.9 W	277 mA	0.98	90 °C	-25 ... +55 °C	90/55 °C	43.20 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,200 mA	21.6 V	48.0 V	57.6 W	67.2 W	292 mA	0.98	90 °C	-25 ... +55 °C	90/55 °C	40.20 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,250 mA	21.6 V	48.0 V	60.0 W	69.7 W	302 mA	0.98	90 °C	-25 ... +55 °C	90/55 °C	36.50 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,300 mA	21.6 V	48.0 V	62.4 W	72.8 W	312 mA	0.98	90 °C	-25 ... +55 °C	90/55 °C	32.40 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,350 mA	21.6 V	48.0 V	65.0 W	75.5 W	326 mA	0.98	90 °C	-25 ... +55 °C	90/55 °C	28.70 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,400 mA	20.9 V	46.4 V	65.0 W	74.5 W	323 mA	0.99	90 °C	-25 ... +55 °C	90/55 °C	22.00 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,450 mA	20.2 V	44.8 V	65.0 W	73.5 W	318 mA	0.99	90 °C	-25 ... +50 °C	90/50 °C	17.80 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,500 mA	19.5 V	43.3 V	65.0 W	72.8 W	315 mA	0.99	90 °C	-25 ... +50 °C	90/50 °C	15.00 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,550 mA	18.9 V	41.9 V	65.0 W	74.5 W	324 mA	0.99	90 °C	-25 ... +50 °C	90/50 °C	12.10 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,600 mA	18.3 V	40.6 V	65.0 W	73.1 W	314 mA	0.99	90 °C	-25 ... +50 °C	90/50 °C	9.30 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,650 mA	17.7 V	39.4 V	65.0 W	73.6 W	320 mA	0.99	95 °C	-25 ... +50 °C	95/50 °C	6.49 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,700 mA	17.2 V	38.2 V	65.0 W	74.3 W	323 mA	0.99	95 °C	-25 ... +50 °C	95/50 °C	3.83 kΩ
LCI 65W 900mA-1750mA TOP Ip	1,750 mA	16.7 V	37.1 V	65.0 W	73.1 W	316 mA	0.99	95 °C	-25 ... +50 °C	95/50 °C	short circuit (0 kΩ)

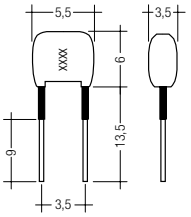
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

IP 65 SELV RoHS

TALEXdriver LCI 240W 2230mA–4450mA

TOP series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 2,230 – 4,450 mA
- Max. output power 240 W
- Nominal life-time up to 100,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

Properties

- Robust aluminium casing
- Type of protection IP65

Functions

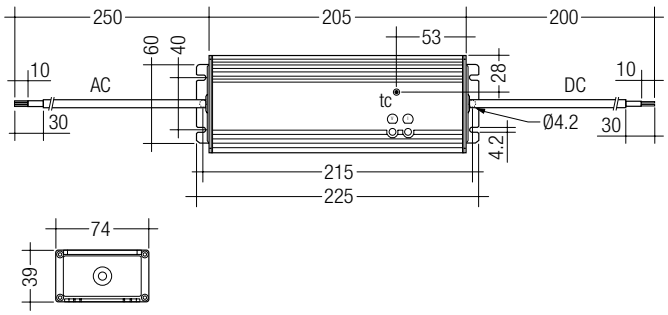
- Overtemperature protection
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	100 – 277 V
Input voltage AC	90 – 305 V
Mains frequency	50 / 60 Hz
Leakage current (PE) at 120 V AC	0.4 mA
Leakage current (PE) at 240 V AC	0.75 mA
Max. input power	258.3 W
Efficiency (at 230 V, 50 Hz, full load)	88 – 90.5 %
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance	± 5 %
Output current ripple	± 30 %
Max. repetitive output peak current	Output current + 45 %
Max. non-repetitive output peak current	Output current + 45 %
Max. output voltage (no-load voltage)	60 V
Time to light	< 2 s
Dimensions L x W x H	225 x 74 x 39 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 240W 2230mA-4450mA	**28000350**	12 pc(s).	360 pc(s).	1.32 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
LCI 240W 2230mA-4450mA	2,230 mA	27 V	57.0 V	127.1 W	137.0 W	617 mA	0.97	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	2,500 mA	27 V	57.0 V	142.5 W	153.9 W	689 mA	0.97	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	2,750 mA	27 V	57.0 V	156.8 W	168.4 W	751 mA	0.98	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	3,000 mA	27 V	57.0 V	171.0 W	183.5 W	816 mA	0.98	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	3,250 mA	27 V	57.0 V	185.3 W	198.7 W	881 mA	0.98	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	3,500 mA	27 V	57.0 V	199.5 W	214.3 W	948 mA	0.98	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	3,750 mA	27 V	57.0 V	213.8 W	230.0 W	1,016 mA	0.99	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	4,000 mA	27 V	57.0 V	228.0 W	245.2 W	1,082 mA	0.99	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	4,250 mA	27 V	56.5 V	240.0 W	258.3 W	1,134 mA	0.99	95 °C	-30 ... +60 °C	95/60 °C
LCI 240W 2230mA-4450mA	4,450 mA	27 V	54.0 V	240.0 W	258.3 W	1,134 mA	0.99	95 °C	-30 ... +60 °C	95/60 °C

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IP20 RoHS

TALEXdriver LCI 65W 150mA–400mA TOP INDUSTRY sl

TOP series

Product description

- Fixed output constant current built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

- White low profile metal casing
- Type of protection IP20

Functions

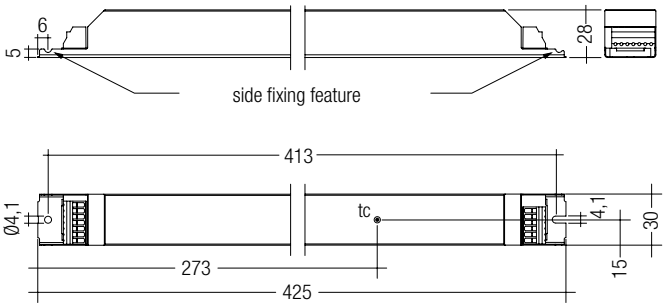
- Adjustable output current (I-select resistor)
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ①	323 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ①	56 mA
Leakage current (PE)	< 0.27 mA
Max. input power	72.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	> 90 %
λ (at 230 V, 50 Hz, full load) ①	0.98
THD (at 230 V, 50 Hz, full load) ①	< 5.3 %
Time to light (at 230 V, 50 Hz, full load)	< 0.4 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	250 V
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 65W 150mA-400mA TOP INDUSTRY sl	**28000537**	10 pc(s).	480 pc(s).	0.411 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ②	Max. output power ②	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCI 65W 150mA-400mA TOP INDUSTRY sl	150 mA	121 V	220 V	33.0 W	37.8 W	174 mA	90 °C	-40 ... +75 °C	open
LCI 65W 150mA-400mA TOP INDUSTRY sl	175 mA	115 V	220 V	38.5 W	43.3 W	196 mA	90 °C	-40 ... +75 °C	63.40 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	200 mA	110 V	220 V	44.0 W	48.8 W	219 mA	90 °C	-40 ... +75 °C	54.90 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	225 mA	105 V	220 V	49.5 W	55.2 W	247 mA	90 °C	-40 ... +75 °C	47.50 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	250 mA	99 V	220 V	55.0 W	61.6 W	275 mA	90 °C	-40 ... +70 °C	40.20 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	275 mA	99 V	220 V	60.5 W	66.5 W	295 mA	90 °C	-40 ... +70 °C	34.00 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	300 mA	98 V	217 V	65.0 W	71.4 W	316 mA	90 °C	-40 ... +70 °C	27.40 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	325 mA	90 V	200 V	65.0 W	72.1 W	319 mA	90 °C	-40 ... +70 °C	22.00 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	350 mA	84 V	186 V	65.0 W	72.8 W	323 mA	90 °C	-40 ... +70 °C	12.00 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	375 mA	78 V	173 V	65.0 W	72.8 W	323 mA	90 °C	-40 ... +70 °C	6.19 kΩ
LCI 65W 150mA-400mA TOP INDUSTRY sl	400 mA	73 V	163 V	65.0 W	72.8 W	323 mA	90 °C	-40 ... +70 °C	short circuit (0 kΩ)

① Depending on the selected output current.
② At full load.

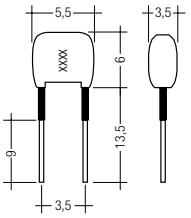
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 EL
RoHS

TALEXdriver LCI 100W 350mA–900mA TOP INDUSTRY sl

TOP series

Product description

- Fixed output constant current built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 900 mA
- Max. output power 100 W
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

- White low profile metal casing
- Type of protection IP20

Functions

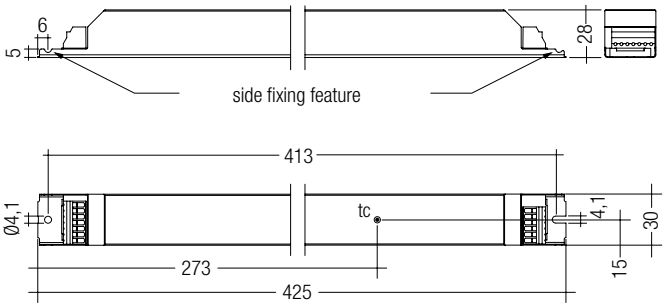
- Adjustable output current (I-select resistor)
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ①	486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ①	79 mA
Leakage current (PE)	< 0.27 mA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	> 90 %
λ (at 230 V, 50 Hz, full load) ①	0.99
THD (at 230 V, 50 Hz, full load) ①	< 4 %
Time to light (at 230 V, 50 Hz, full load)	< 0.4 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	250 V
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 100W 350mA-900mA TOP INDUSTRY sl	**28000538**	10 pc(s).	480 pc(s).	0.419 kg

Specific technical data

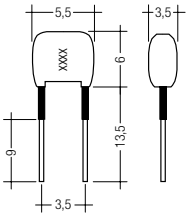
Type	Output current	Min. forward voltage	Max. forward voltage ②	Max. output power ②	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCI 100W 350mA-900mA TOP INDUSTRY sl	350 mA	99 V	220 V	77.0 W	85.4 W	377 mA	95 °C	-40 ... +70 °C	short circuit (0 kΩ)
LCI 100W 350mA-900mA TOP INDUSTRY sl	375 mA	99 V	220 V	82.5 W	91.5 W	404 mA	95 °C	-40 ... +70 °C	71.50 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	400 mA	99 V	220 V	88.0 W	96.4 W	423 mA	95 °C	-40 ... +70 °C	66.50 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	425 mA	99 V	220 V	93.5 W	102.8 W	451 mA	95 °C	-40 ... +70 °C	61.90 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	450 mA	99 V	220 V	99.0 W	108.8 W	478 mA	100 °C	-40 ... +65 °C	57.60 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	475 mA	95 V	211 V	100.0 W	109.7 W	481 mA	100 °C	-40 ... +65 °C	53.60 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	500 mA	90 V	200 V	100.0 W	109.4 W	479 mA	100 °C	-40 ... +65 °C	49.90 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	525 mA	86 V	190 V	100.0 W	109.6 W	480 mA	100 °C	-40 ... +65 °C	45.30 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	550 mA	82 V	182 V	100.0 W	109.6 W	480 mA	100 °C	-40 ... +65 °C	42.20 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	575 mA	78 V	174 V	100.0 W	109.6 W	480 mA	100 °C	-40 ... +65 °C	38.30 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	600 mA	75 V	167 V	100.0 W	109.9 W	481 mA	100 °C	-40 ... +65 °C	35.70 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	625 mA	72 V	160 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	32.40 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	650 mA	69 V	154 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	28.70 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	675 mA	67 V	148 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	26.10 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	700 mA	64 V	143 V	100.0 W	110.1 W	483 mA	100 °C	-40 ... +65 °C	22.00 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	725 mA	62 V	138 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	17.40 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	750 mA	60 V	133 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	15.00 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	775 mA	58 V	129 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	12.40 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	800 mA	56 V	125 V	100.0 W	109.9 W	481 mA	100 °C	-40 ... +65 °C	10.00 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	825 mA	55 V	121 V	100.0 W	110.4 W	484 mA	100 °C	-40 ... +65 °C	7.68 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	850 mA	53 V	118 V	100.0 W	110.4 W	484 mA	100 °C	-40 ... +65 °C	5.36 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	875 mA	51 V	114 V	100.0 W	110.4 W	484 mA	100 °C	-40 ... +65 °C	3.16 kΩ
LCI 100W 350mA-900mA TOP INDUSTRY sl	900 mA	50 V	111 V	100.0 W	110.8 W	486 mA	100 °C	-40 ... +65 °C	open

① Depending on the selected output current.
② At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





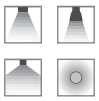
Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCI 10W 350mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350 mA
- Max. output power 10 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

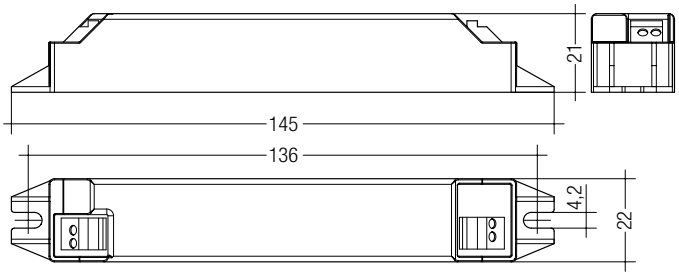
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.07 A
Mains frequency	50 / 60 Hz
Max. input power	12.5 W
Output power	10 W
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 20 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	145 x 22 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 10W 350mA TEC lp	**87500219**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.047 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 10W 350mA TEC lp	350 mA	0.75C	83 %	0.7C	79 %	13 V	29 V	33 V	460 mA	460 mA

① Test result at 230 V, 50 Hz.

IP20 SELV RoHS

TALEXdriver LCI 20W 350/500/700mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 20 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

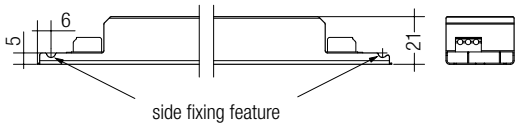
- Low-profile metal casing with white cover
- Type of protection IP20

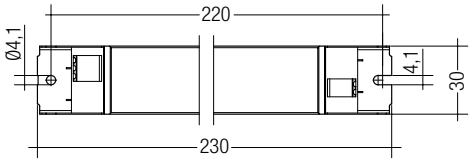
Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

→ For product data sheet go to www.tridonic.com, or available on request







Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.1 A
Mains frequency	50 / 60 Hz
Max. input power	24 W
Output power	20 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	65 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	230 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 20W 350mA TEC lp	**87500220**	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.146 kg
LCI 20W 500mA TEC lp	**87500221**	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.144 kg
LCI 20W 700mA TEC lp	**87500222**	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.140 kg

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For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Typical ripple current at full load
LCI 20W 350mA TEC lp	350 mA	0.97	88 %	0.89C	84 %	26 V	57 V	66 V	480 mA	530 mA	640 mA	640 mA	± 25 %
LCI 20W 500mA TEC lp	500 mA	0.97	88 %	0.87C	83 %	18 V	40 V	48 V	680 mA	760 mA	740 mA	890 mA	± 25 %
LCI 20W 700mA TEC lp	700 mA	0.97	86 %	0.86C	81 %	13 V	29 V	35 V	980 mA	1,060 mA	1,160 mA	1,310 mA	± 30 %

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 RoHS

NEW

TALEXdriver LCI 35W 250/300/350mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250, 300 oder 350 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

Properties

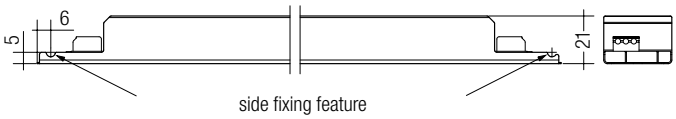
- Low-profile metal casing with white cover
- Type of protection IP20

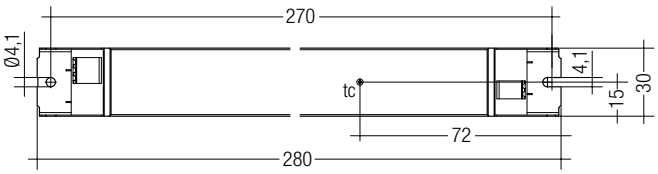
Funktionen

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com, or available on request







Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Leakage current (PE)	< 0.5 mA
Efficiency (at 230 V, 50 Hz, full load)	91 %
THD (at 230 V, 50 Hz, full load)	< 11 %
Output current tolerance	± 5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 20 %
Max. output voltage (no-load voltage)	250 V
Time to light	< 0.5 s
Hold on time at power failure or shutdown	22 ms
Switchover time (AC/DC)	< 0.5 s
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 35W 250mA TEC lp	**87500322**	50 pc(s).	900 pc(s).	0.183 kg
LCI 35W 300mA TEC lp	**87500323**	50 pc(s).	900 pc(s).	0.182 kg
LCI 35W 350mA TEC lp	**87500324**	50 pc(s).	900 pc(s).	0.183 kg

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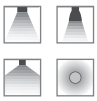
For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
LCI 35W 250mA TEC lp	250 mA	63.0 V	140.0 V	35 W	38.3 W	175 mA	0.95	65 °C	-20 ... +50 °C	55/40 °C
LCI 35W 300mA TEC lp	300 mA	52.5 V	116.7 V	35 W	38.8 W	178 mA	0.95	70 °C	-20 ... +50 °C	60/40 °C
LCI 35W 350mA TEC lp	350 mA	45.0 V	100.0 V	35 W	39.2 W	179 mA	0.95	70 °C	-20 ... +50 °C	60/40 °C

IP20 SELV RoHS



TALEXdriver LCI 35W 350/500/700/1050mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 350, 500, 700 or 1,050 mA
- Max. output power 35 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low-profile metal casing with white cover
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

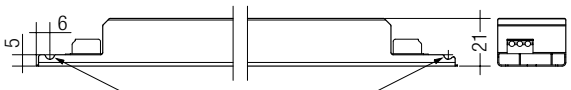
→ For product data sheet go to www.tridonic.com, or available on request

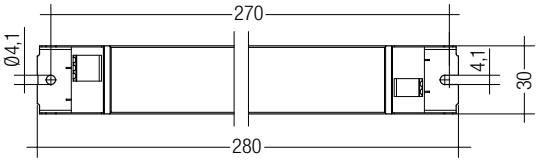
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For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.17 A
Mains frequency	50 / 60 Hz
Max. input power	41.5 W
Output power	35 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	70 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 35W 350mA TEC lp	**87500223**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.182 kg
LCI 35W 500mA TEC lp	**87500224**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.181 kg
LCI 35W 700mA TEC lp	**87500225**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.182 kg
LCI 35W 1050mA TEC lp	**87500226**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.180 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Typical ripple current at full load
LCI 35W 350mA TEC lp	350 mA	0.98	90.0 %	0.91C	88.5 %	50.0 V	100.0 V	115 V	460 mA	510 mA	500 mA	630 mA	± 20 %
LCI 35W 500mA TEC lp	500 mA	0.98	90.0 %	0.91C	87.5 %	35.0 V	70.0 V	85 V	680 mA	760 mA	810 mA	990 mA	± 25 %
LCI 35W 700mA TEC lp	700 mA	0.98	88.5 %	0.92C	86.0 %	25.0 V	50.0 V	63 V	950 mA	1,020 mA	1,160 mA	1,340 mA	± 25 %
LCI 35W 1050mA TEC lp	1,050 mA	0.98	87.5 %	0.92C	84.5 %	16.5 V	33.5 V	44 V	1,470 mA	1,640 mA	1,580 mA	2,000 mA	± 30 %

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 SELV RoHS

TALEXdriver LCI 60W 700/1050mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 700 or 1,050 mA
- Max. output power 60 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low-profile metal casing with white cover
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

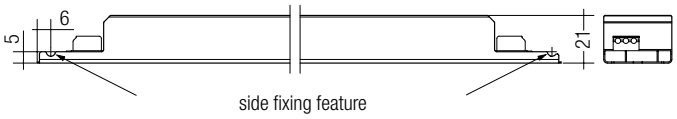
→ For product data sheet go to www.tridonic.com, or available on request

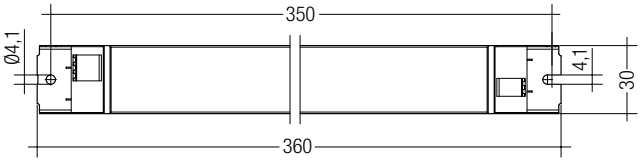
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For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.3 A
Mains frequency	50 / 60 Hz
Max. input power	70 W
Output power	60 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 60W 700mA TEC lp	**87500227**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.265 kg
LCI 60W 1050mA TEC lp	**87500228**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.265 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②	Typical ripple current at full load
LCI 60W 700mA TEC lp	700 mA	0.98	91.5 %	0.93C	90 %	46.5 V	85.5 V	98 V	980 mA	1,060 mA	1,060 mA	1,130 mA	70 °C
LCI 60W 1050mA TEC lp	1,050 mA	0.98	90.5 %	0.93C	89 %	31.0 V	57.0 V	62 V	1,470 mA	1,640 mA	1,610 mA	1,770 mA	75 °C

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP20 RoHS

TALEXdriver LCI 65W 250/300/350mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 250, 300 oder 350 mA
- Max. output power 65 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- 5-year guarantee

Properties

- Low-profile metal casing with white cover
- Type of protection IP20

Funktionen

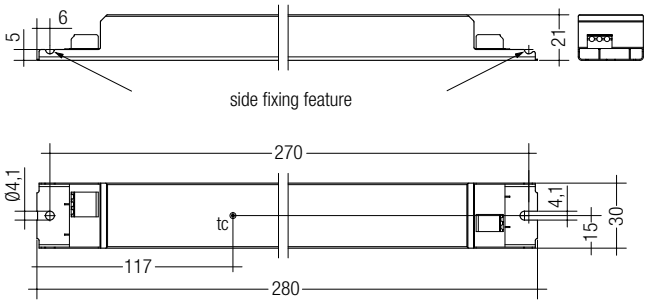
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection

→ For product data sheet go to www.tridonic.com, or available on request

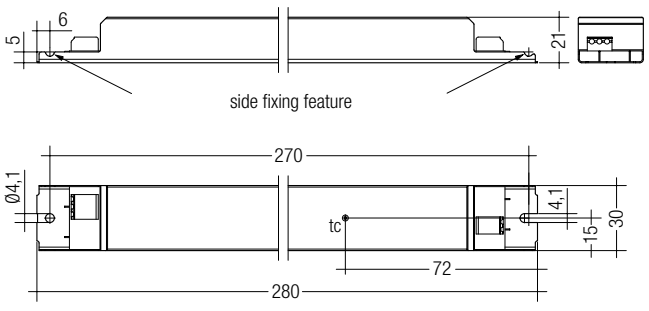
Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Leakage current (PE)	< 0.5 mA
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Output current ripple	± 15 %
Max. repetitive output peak current	Output current + 20 %
Max. non-repetitive output peak current	Output current + 35 %
Max. output voltage (no-load voltage)	250 V
Time to light	< 0.5 s
Dimensions L x W x H	280 x 30 x 21 mm





LED Driver 250 mA



LED Driver 300/350 mA

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For standards see data sheet

Product / function matrix, page 19

Ordering data

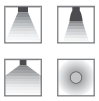
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 65W 250mA TEC lp	**87500325**	50 pc(s).	900 pc(s).	0.186 kg
LCI 65W 300mA TEC lp	**87500326**	50 pc(s).	900 pc(s).	0.186 kg
LCI 65W 350mA TEC lp	**87500327**	50 pc(s).	900 pc(s).	0.187 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	Efficiency	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
LCI 65W 250mA TEC lp	250 mA	112 V	250 V	62.5 W	67.5 W	305 mA	0.98	93 %	65 °C	-20 ... +50 °C	55/40 °C
LCI 65W 300mA TEC lp	300 mA	97 V	217 V	65.0 W	70.5 W	320 mA	0.98	92 %	70 °C	-20 ... +50 °C	60/40 °C
LCI 65W 350mA TEC lp	350 mA	83 V	186 V	65.0 W	70.5 W	320 mA	0.98	92 %	70 °C	-20 ... +50 °C	60/40 °C

IP67 RoHS

Only for 700 mA:



TALEXdriver LCI 65W 350/500/700mA OTD EC

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 65 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For luminaires of protection class I
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

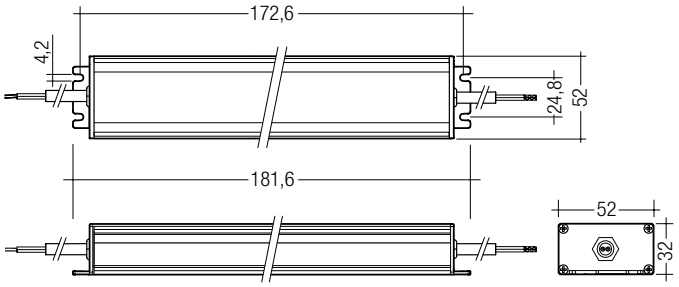
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.32 A
Mains frequency	50 / 60 Hz
Max. input power	75 W
Output power range	32.5 – 65 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 10 %
Output current tolerance	± 5 %
Typical ripple current at full load	± 10 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	181.6 x 52 x 32 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 65 W 350mA OTD EC	**87500328**	10 pc(s).	900 pc(s).	0.545 kg
LCI 65 W 500mA OTD EC	**87500329**	10 pc(s).	500 pc(s).	0.545 kg
LCI 65 W 700mA OTD EC	**87500330**	10 pc(s).	500 pc(s).	0.545 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 65 W 350mA OTD EC	350 mA	0.99	88 %	0.95	87 %	93 V	186 V	223 V	370 mA	400 mA
LCI 65 W 500mA OTD EC	500 mA	0.99	88 %	0.95	87 %	65 V	130 V	156 V	530 mA	530 mA
LCI 65 W 700mA OTD EC	700 mA	0.99	88 %	0.96	86 %	46 V	93 V	111 V	740 mA	740 mA

① Test result at 230 V, 50 Hz.

IP67 RoHS

NEW

TALEXdriver LCI 65W 1050mA OTD EC

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 65 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For class I luminaires
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

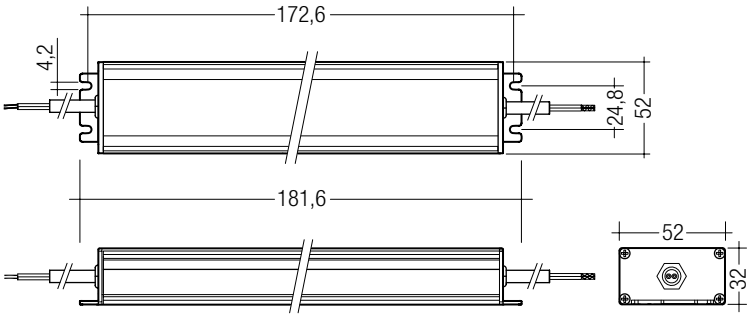
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.32 A
Mains frequency	50 / 60 Hz
Max. input power	77 W
Output power range	32.5 – 65 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 10 %
Output current tolerance	± 5 %
Typical ripple current at full load	± 10 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	181.6 x 52 x 32 mm

Ordering data

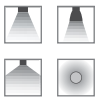
Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 65W 1050mA OTD EC	**28000651**	10 pc(s).	100 pc(s).	500 pc(s).	0.545 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 65W 1050mA OTD EC	1,050 mA	0.99	87 %	0.95	85 %	30 V	62 V	75 V	1,110 mA	1,110 mA

① Test result at 230 V, 50 Hz.

IP20 SELV RoHS



TALEXdriver LCI 65W 1400/1750mA TEC lp

TEC series

Product description

- Fixed output built-in LED Driver
- Constant current LED Driver
- Output current 1,400 or 1,750 mA
- Max. output power 65 W
- Nominal life-time up to 50,000 h
- For luminaires of protection class I and protection class II
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

- Low-profile metal casing with white cover
- Type of protection IP20

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

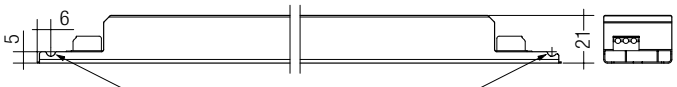
→ For product data sheet go to www.tridonic.com, or available on request

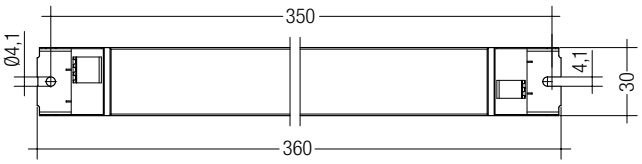
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For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Typ. rated current (at 230 V, 50 Hz, full load)	0.32 A
Mains frequency	50 / 60 Hz
Max. input power	75 W
Output power	65 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.7 s
Hold on time at power failure	0 s
Ambient temperature ta	-20 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	40 °C
Max. casing temperature tc	80 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 65W 1400mA TEC lp	**87500229**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.265 kg
LCI 65W 1750mA TEC lp	**87500230**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.265 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current at full load ① ②	Max. repetitive output peak current at min. load ① ②	Max. non-repetitive output peak current at full load ① ②	Max. non-repetitive output peak current at min. load ① ②
LCI 65W 1400mA TEC lp	1,400 mA	0.98	90.0 %	0.93C	87 %	23.0 V	46.5 V	55 V	1,960 mA	2,260 mA	2,160 mA	2,420 mA
LCI 65W 1750mA TEC lp	1,750 mA	0.98	89.5 %	0.93C	86 %	18.5 V	37.0 V	43 V	2,450 mA	2,830 mA	2,750 mA	2,910 mA

① Test result at 230 V, 50 Hz.
② The trend between min. and full load is linear.

IP67

TALEXdriver LCI 100W 350/500/700mA OTD EC

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 100 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For luminaires of protection class I
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

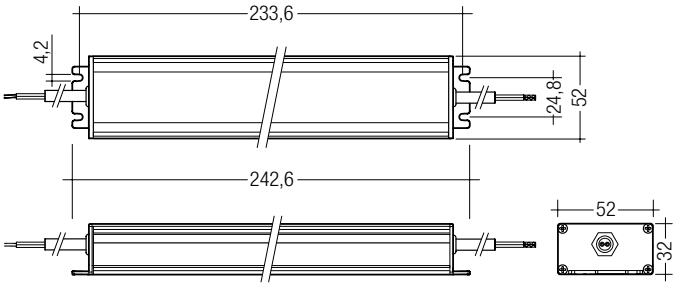
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.6 A
Mains frequency	50 / 60 Hz
Max. input power	115 W
Output power range	50 – 100 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 15 %
Output current tolerance	± 5 %
Typical ripple current at full load	± 5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	242.6 x 52 x 32 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 100 W 350mA OTD EC	**87500331**	10 pc(s).	400 pc(s).	0.755 kg
LCI 100 W 500mA OTD EC	**87500332**	10 pc(s).	400 pc(s).	0.755 kg
LCI 100 W 700mA OTD EC	**87500333**	10 pc(s).	400 pc(s).	0.755 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 100 W 350mA OTD EC	350 mA	0.98	91 %	0.96	89 %	143 V	286 V	343 V	370 mA	370 mA
LCI 100 W 500mA OTD EC	500 mA	0.99	90 %	0.95	88 %	100 V	200 V	240 V	530 mA	530 mA
LCI 100 W 700mA OTD EC	700 mA	0.98	90 %	0.95	86 %	71 V	143 V	171 V	740 mA	740 mA

① Test result at 230 V, 50 Hz.

IP67

NEW

TALEXdriver LCI 100W 1050mA OTD EC

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 100 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For class I luminaires
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

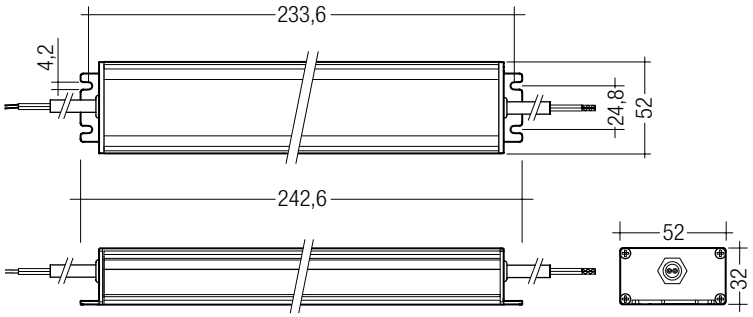
Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet
Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.6 A
Mains frequency	50 / 60 Hz
Max. input power	115 W
Output power range	50 – 100 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 15 %
Output current tolerance	± 5 %
Typical ripple current at full load	± 5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	242.6 x 52 x 32 mm

Ordering data

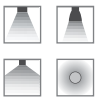
Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LCI 100W 1050mA OTD EC	**28000652**	10 pc(s).	80 pc(s).	400 pc(s).	0.755 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 100W 1050mA OTD EC	1,050 mA	0.98	90 %	0.95	85 %	47 V	96 V	116 V	1,110 mA	1,110 mA

① Test result at 230 V, 50 Hz.

IP67



TALEXdriver LCI 150W 350/500/700mA OTD EC

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 350, 500 or 700 mA
- Max. output power 150 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For luminaires of protection class I
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

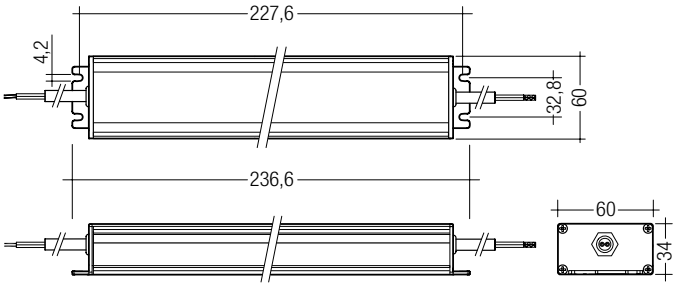
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.79 A
Mains frequency	50 / 60 Hz
Max. input power	165 W
Output power range	75 – 150 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 10 %
Output current tolerance	± 5 %
Typical ripple current at full load	± 5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	236.6 x 60 x 34 mm

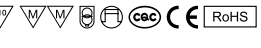
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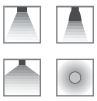
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 150 W 350mA OTD EC	**87500334**	10 pc(s).	400 pc(s).	0.835 kg
LCI 150 W 500mA OTD EC	**87500335**	10 pc(s).	300 pc(s).	0.835 kg
LCI 150 W 700mA OTD EC	**87500336**	10 pc(s).	300 pc(s).	0.835 kg

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 150 W 350mA OTD EC	350 mA	0.99	91 %	0.95	91 %	214 V	429 V	500 V	370 mA	390 mA
LCI 150 W 500mA OTD EC	500 mA	0.99	91 %	0.95	90 %	150 V	300 V	360 V	530 mA	550 mA
LCI 150 W 700mA OTD EC	700 mA	0.99	91 %	0.95	90 %	107 V	214 V	250 V	740 mA	770 mA

① Test result at 230 V, 50 Hz.

IP67 



NEW

TALEXdriver LCI 150W 1050mA OTD EC

TEC series

Product description

- Independent fixed output LED Driver
- Constant current LED Driver
- Output current 1,050 mA
- Max. output power 150 W
- Nominal life-time of 50,000 h (at max ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- For class I luminaires
- Temperature protection as per EN 61347-2-13 C5e

Properties

- Robust aluminium casing
- Type of protection IP67

Functions

- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection
- Burst protection voltage up to 1.2 kV
- Surge protection voltage up to 4 kV (L to N)
- Surge protection voltage up to 6 kV (L/N to earth)

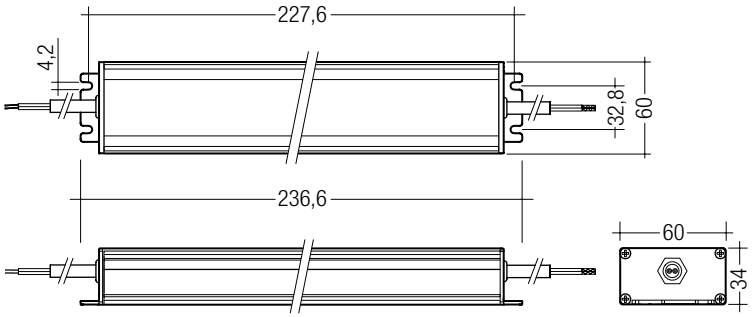
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.79 A
Mains frequency	50 / 60 Hz
Max. input power	174 W
Output power range	75 – 150 W
THD (at 230 V, 50 Hz, full load)	< 10 %
THD (at 230 V, 50 Hz, min. load)	< 10 %
Output current tolerance	± 5 %
Typical ripple current at full load	± 5 %
Turn on time (at 230 V, 50 Hz, full load)	≤ 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.1 s
Hold on time at power failure	0 s
Ambient temperature ta	-40 ... +55 °C
Ambient temperature ta (at life-time 50,000 h)	55 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +80 °C
Dimensions L x W x H	236.6 x 60 x 34 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, high volume
LCI 150W 1050mA OTD EC	**28000653**	10 pc(s).	60 pc(s).

Specific technical data

Type	Output current	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Min. output voltage ①	Max. output voltage ①	Max. output voltage (no-load voltage)	Max. repetitive output peak current ①	Max. non-repetitive output peak current ①
LCI 150W 1050mA OTD EC	1,050 mA	0.99	90 %	0.95	89 %	71 V	143 V	172 V	1,110 mA	1,110 mA

① Test result at 230 V, 50 Hz.

TRIDONIC

enlightening your ideas



ready2mains
tells the current how to communicate.

ready2mains uses the mains cable to transmit information: easily, reliably and professionally. Luminaires are controlled and dimmed directly via the mains, with no need for any additional wiring. Manufacturers configure their luminaires with ready2mains, saving time and enhancing flexibility. ready2mains reduces production and installation costs and also reduces possible sources of error.

Simple connection, secure configuration.

IP20

NEW

TALEXdriver LCA 50W 100–400mA one4all lp PRE

PREMIUM series

Product description

- Dimmable built-in Constant current LED Driver
- Output current adjustable between 100 – 400 mA
- Max. output power 50 W
- Up to 92 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1 to 100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low-profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Soft fade-in / fade-out
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency lighting LED Driver acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications

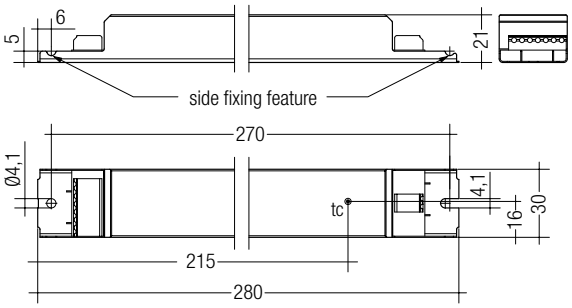
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	95 – 255 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	25 – 45 mA
Leakage current (at 230 V, 50 Hz, full load) ① ②	< 210 µA
Max. input power	57 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	92 %
λ (at 230 V, 50 Hz, full load) ①	0.98
Typ. power input on stand-by ③	< 0.15 W
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.4 W
In-rush current (peak / duration)	22.4 A / 176 µs
THD (at 230 V, 50 Hz, full load) ①	< 9 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.7 s
Time to light (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ①	± 3 %
Output current ripple	± 30 %
Max. Ausgangsstromspitze (nicht wiederkehrend)	≤ output current + 35 %
LF ripple (< 120 Hz)	5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 50W 100-400mA one4all lp PRE	**28000655**	10 pc(s).	960 pc(s).	0.207 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ④
LCA 50W 100-400mA one4all lp PRE	100 mA	50 V	140 V	14.0 W	18.7 W	93 mA	80 °C	-25 ... +60 °C	–
LCA 50W 100-400mA one4all lp PRE	125 mA	50 V	140 V	17.5 W	22.0 W	105 mA	80 °C	-25 ... +60 °C	40.0 kΩ
LCA 50W 100-400mA one4all lp PRE	150 mA	50 V	140 V	21.0 W	25.8 W	120 mA	85 °C	-25 ... +60 °C	33.3 kΩ
LCA 50W 100-400mA one4all lp PRE	175 mA	50 V	140 V	24.5 W	29.2 W	135 mA	85 °C	-25 ... +60 °C	28.6 kΩ
LCA 50W 100-400mA one4all lp PRE	200 mA	50 V	140 V	28.0 W	32.9 W	151 mA	85 °C	-25 ... +60 °C	25.0 kΩ
LCA 50W 100-400mA one4all lp PRE	250 mA	50 V	140 V	35.0 W	40.0 W	181 mA	85 °C	-25 ... +60 °C	20.0 kΩ
LCA 50W 100-400mA one4all lp PRE	300 mA	50 V	140 V	42.0 W	47.1 W	212 mA	85 °C	-25 ... +60 °C	16.7 kΩ
LCA 50W 100-400mA one4all lp PRE	325 mA	50 V	140 V	42.5 W	50.9 W	227 mA	85 °C	-25 ... +60 °C	15.4 kΩ
LCA 50W 100-400mA one4all lp PRE	350 mA	50 V	140 V	49.0 W	54.1 W	241 mA	85 °C	-25 ... +60 °C	14.3 kΩ
LCA 50W 100-400mA one4all lp PRE	375 mA	50 V	133 V	50.0 W	55.0 W	244 mA	85 °C	-25 ... +60 °C	13.3 kΩ
LCA 50W 100-400mA one4all lp PRE	400 mA	50 V	125 V	50.0 W	54.6 W	244 mA	85 °C	-25 ... +60 °C	12.5 kΩ

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ Not compatible with I-select (generation 1).

ACCES-SORIES

I-SELECT 2 PLUG PRE / EXC

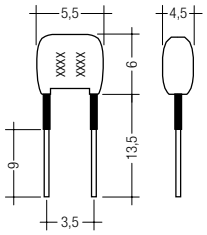
Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % to nominal current value
- Compatible with LED Driver series PRE and EXC

Example of calculation

- R [k] = 5 V / I_out [mA] x 1000
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary





Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	**28001102**	Blue	0150 mA	150 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	**28001104**	Blue	0200 mA	200 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	**28001106**	Blue	0250 mA	250 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	**28001107**	Blue	0275 mA	275 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	**28001108**	Blue	0300 mA	300 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	**28001109**	Blue	0325 mA	325 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	**28001110**	Blue	0350 mA	350 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	**28001111**	Blue	0375 mA	375 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	**28001112**	Blue	0400 mA	400 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	**28001114**	Blue	0500 mA	500 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	**28001118**	Blue	0700 mA	700 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	**28001099**	Blue	MAX	MAX	10 pc(s).	0.001 kg

IP20

NEW

TALEXdriver LCA 75W 100–400mA one4all lp PRE

PREMIUM series

Product description

- Dimmable built-in Constant current LED Driver
- Output current adjustable between 100 – 400 mA
- Max. output power 75 W
- Up to 92 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1 to 100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Soft fade-in / fade-out
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency lighting LED Driver acc. to EN 50172

Benefits

- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications

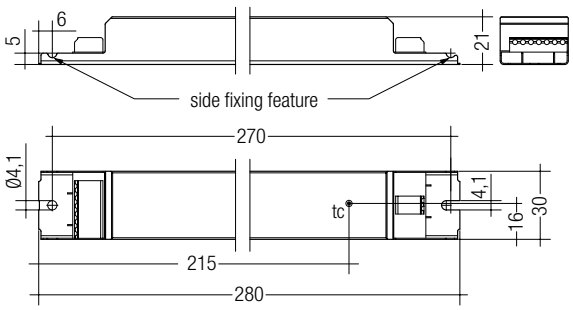
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	128 – 360 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	32 – 64 mA
Leakage current (at 230 V, 50 Hz, full load) ① ②	< 230 µA
Max. input power	83 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	92 %
λ (at 230 V, 50 Hz, full load) ①	0.99
Typ. power input on stand-by ③	< 0.15 W
Typ. input current in no-load operation	23 mA
Typ. input power in no-load operation	0.45 W
In-rush current (peak / duration)	23 A / 174 µs
THD (at 230 V, 50 Hz, full load) ①	< 9 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ①	± 3 %
Output current ripple	± 30 %
Max. Ausgangsstromspitze (nicht wiederkehrend)	≤ output current + 35 %
LF ripple (< 120 Hz)	5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 75W 100-400mA one4all lp PRE	**28000657**	10 pc(s).	960 pc(s).	0.21 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ④
LCA 75W 100-400mA one4all lp PRE	100 mA	110 V	220 V	22.0 W	27.4 W	129 mA	80 °C	-25 ... +60 °C	–
LCA 75W 100-400mA one4all lp PRE	125 mA	110 V	220 V	27.5 W	33.0 W	152 mA	80 °C	-25 ... +55 °C	40.00 kΩ
LCA 75W 100-400mA one4all lp PRE	150 mA	110 V	220 V	33.0 W	38.9 W	176 mA	80 °C	-25 ... +55 °C	33.33 kΩ
LCA 75W 100-400mA one4all lp PRE	175 mA	110 V	220 V	38.5 W	44.4 W	199 mA	80 °C	-25 ... +55 °C	28.57 kΩ
LCA 75W 100-400mA one4all lp PRE	200 mA	110 V	220 V	44.0 W	50.0 W	223 mA	80 °C	-25 ... +55 °C	25.00 kΩ
LCA 75W 100-400mA one4all lp PRE	225 mA	110 V	220 V	49.5 W	55.8 W	247 mA	80 °C	-25 ... +50 °C	22.22 kΩ
LCA 75W 100-400mA one4all lp PRE	250 mA	110 V	220 V	55.0 W	60.9 W	270 mA	80 °C	-25 ... +50 °C	20.00 kΩ
LCA 75W 100-400mA one4all lp PRE	275 mA	110 V	220 V	60.5 W	66.2 W	292 mA	80 °C	-25 ... +50 °C	18.18 kΩ
LCA 75W 100-400mA one4all lp PRE	300 mA	110 V	220 V	66.0 W	71.9 W	317 mA	80 °C	-25 ... +50 °C	16.67 kΩ
LCA 75W 100-400mA one4all lp PRE	325 mA	110 V	220 V	71.5 W	77.9 W	343 mA	80 °C	-25 ... +50 °C	15.38 kΩ
LCA 75W 100-400mA one4all lp PRE	350 mA	110 V	215 V	75.3 W	81.9 W	360 mA	80 °C	-25 ... +50 °C	14.29 kΩ
LCA 75W 100-400mA one4all lp PRE	375 mA	110 V	200 V	75.0 W	81.8 W	359 mA	80 °C	-25 ... +50 °C	13.33 kΩ
LCA 75W 100-400mA one4all lp PRE	400 mA	110 V	188 V	75.2 W	81.9 W	360 mA	80 °C	-25 ... +50 °C	12.50 kΩ

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ Not compatible with I-select (generation 1).

ACCES-SORIES

I-SELECT 2 PLUG PRE / EXC

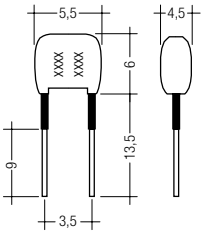
Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % to nominal current value
- Compatible with LED Driver series PRE and EXC

Example of calculation

- R [k] = 5 V / I_out [mA] x 1000
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary





Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	**28001102**	Blue	0150 mA	150 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	**28001104**	Blue	0200 mA	200 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	**28001106**	Blue	0250 mA	250 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	**28001107**	Blue	0275 mA	275 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	**28001108**	Blue	0300 mA	300 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	**28001109**	Blue	0325 mA	325 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	**28001110**	Blue	0350 mA	350 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	**28001111**	Blue	0375 mA	375 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	**28001112**	Blue	0400 mA	400 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	**28001114**	Blue	0500 mA	500 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	**28001118**	Blue	0700 mA	700 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	**28001099**	Blue	MAX	MAX	10 pc(s).	0.001 kg

IP20

NEW

TALEXdriver LCA 100W 250–700mA one4all lp PRE

PREMIUM series

Product description

- Dimmable built-in Constant current LED Driver
- Output current adjustable between 250 – 700 mA
- Max. output power 100 W
- Up to 93 % efficiency
- Power input on stand-by < 0.15 W
- Dimming range 1 to 100 %
- Nominal life-time up to 100,000 h
- 5-year guarantee

Housing properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- one4all (DALI DT 6, DSI, switchDIM, corridorFUNCTION)
- ready2mains (configuration and dimming via mains)
- Terminal blocks: 0° push terminals

Functions

- Adjustable output current (DALI, ready2mains, I-select 2)
- Constant light output function (CLO)
- Power-up fading at AC
- Soft fade-in / fade-out
- Configurable via ready2mains
- Service monitor to log certain events
- Protective features (overtemperature, short-circuit, overload, no-load, input voltage range, reduced surge amplification)
- Suitable for emergency lighting LED Driver acc. to EN 50172

Benefits

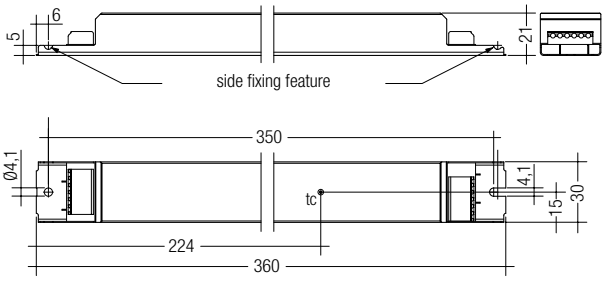
- Application-oriented operating window for maximum compatibility
- Best energy savings due to low stand-by losses and high efficiency
- Flexible configuration via DALI, ready2mains and I-select 2
- Reliability proven by life-time up to 100,000 h and 5-year guarantee

Typical applications

- For linear/area lighting in office applications

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	280 – 500 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	65 – 90 mA
Leakage current (at 230 V, 50 Hz, full load) ① ②	< 460 µA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	93 %
λ (at 230 V, 50 Hz, full load) ①	≥ 0.97
Typ. power input on stand-by ③	< 0.15 mW
Typ. input current in no-load operation	38 mA
Typ. input power in no-load operation	0.16 W
In-rush current (peak / duration)	33 A / 280 µs
THD (at 230 V, 50 Hz, full load) ①	< 5.8 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance ①	± 3 %
Output current ripple	± 30 %
Max. Ausgangsstromspitze (nicht wiederkehrend)	≤ output current + 30 %
LF ripple (< 120 Hz)	5 %
Max. output voltage (no-load voltage)	250 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	< 500 V
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet
LCA 100W 250-700mA one4all lp PRE	**28000661**	10 pc(s).	760 pc(s).

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For standards see data sheet

Product / function matrix, page 19

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select 2 resistor value ④
LCA 100W 250-700mA one4all lp PRE	250 mA	80 V	220 V	55.0 W	63.4 W	284 mA	85 °C	-25 ... +55 °C	–
LCA 100W 250-700mA one4all lp PRE	275 mA	80 V	220 V	60.5 W	69.2 W	309 mA	85 °C	-25 ... +55 °C	18.20 kΩ
LCA 100W 250-700mA one4all lp PRE	300 mA	80 V	220 V	66.0 W	75.0 W	334 mA	85 °C	-25 ... +55 °C	16.50 kΩ
LCA 100W 250-700mA one4all lp PRE	325 mA	80 V	220 V	71.5 W	80.8 W	358 mA	85 °C	-25 ... +55 °C	15.40 kΩ
LCA 100W 250-700mA one4all lp PRE	350 mA	80 V	220 V	77.0 W	86.6 W	383 mA	85 °C	-25 ... +55 °C	14.30 kΩ
LCA 100W 250-700mA one4all lp PRE	375 mA	80 V	220 V	82.5 W	92.7 W	412 mA	80 °C	-25 ... +50 °C	13.30 kΩ
LCA 100W 250-700mA one4all lp PRE	400 mA	80 V	220 V	88.0 W	98.8 W	442 mA	80 °C	-25 ... +50 °C	12.40 kΩ
LCA 100W 250-700mA one4all lp PRE	450 mA	80 V	220 V	99.0 W	111.0 W	500 mA	80 °C	-25 ... +50 °C	11.00 kΩ
LCA 100W 250-700mA one4all lp PRE	500 mA	80 V	200 V	100.0 W	110.4 W	486 mA	80 °C	-25 ... +55 °C	10.00 kΩ
LCA 100W 250-700mA one4all lp PRE	550 mA	80 V	182 V	100.0 W	109.9 W	484 mA	80 °C	-25 ... +60 °C	9.09 kΩ
LCA 100W 250-700mA one4all lp PRE	600 mA	80 V	167 V	100.0 W	109.4 W	482 mA	80 °C	-25 ... +60 °C	8.25 kΩ
LCA 100W 250-700mA one4all lp PRE	650 mA	80 V	154 V	100.0 W	108.8 W	479 mA	80 °C	-25 ... +60 °C	7.68 kΩ
LCA 100W 250-700mA one4all lp PRE	700 mA	80 V	143 V	100.0 W	108.3 W	477 mA	80 °C	-25 ... +55 °C	7.15 kΩ

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ Not compatible with I-select (generation 1).

ACCES-SORIES

I-SELECT 2 PLUG PRE / EXC

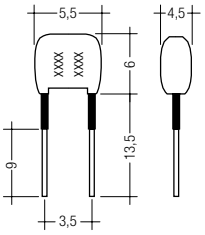
Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver featuring I-select 2 interface; not compatible with I-select (generation 1)
- Resistor is base isolated
- Resistor power 0.25 W
- Current tolerance ± 2 % to nominal current value
- Compatible with LED Driver series PRE and EXC

Example of calculation

- R [k] = 5 V / I_out [mA] x 1000
- Resistor value tolerance ≤ 1 %; resistor power ≥ 0.1 W; base isolation necessary





Ordering data

Type	Article number	Colour	Marking	Current	Packaging, bag	Weight per pc.
I-SELECT 2 PLUG 150MA BL	**28001102**	Blue	0150 mA	150 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 200MA BL	**28001104**	Blue	0200 mA	200 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 250MA BL	**28001106**	Blue	0250 mA	250 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 275MA BL	**28001107**	Blue	0275 mA	275 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 300MA BL	**28001108**	Blue	0300 mA	300 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 325MA BL	**28001109**	Blue	0325 mA	325 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 350MA BL	**28001110**	Blue	0350 mA	350 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 375MA BL	**28001111**	Blue	0375 mA	375 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 400MA BL	**28001112**	Blue	0400 mA	400 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 500MA BL	**28001114**	Blue	0500 mA	500 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG 700MA BL	**28001118**	Blue	0700 mA	700 mA	10 pc(s).	0.001 kg
I-SELECT 2 PLUG MAX BL	**28001099**	Blue	MAX	MAX	10 pc(s).	0.001 kg

IP20 EL RoHS

NEW

TALEXdriver LCA 150W 350–900mA 1–10V IND sl EXC

EXCITE series

Product description

- Dimmable constant current Built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 900 mA
- Max. output power 150 W
- Dimming range 1 to 100 %
- Nominal life-time of 100,000 h (at ta 60 °C with a failure rate ≤ 0.05 % per 1,000 h)
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

- White slim metal casing
- Type of protection IP20

Interfaces

- 1 – 10 V

Functions

- Adjustable output current (I-select resistor)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting LED Driver acc. to EN 50172
- Intelligent Voltage Guard (overvoltage and undervoltage shutdown)

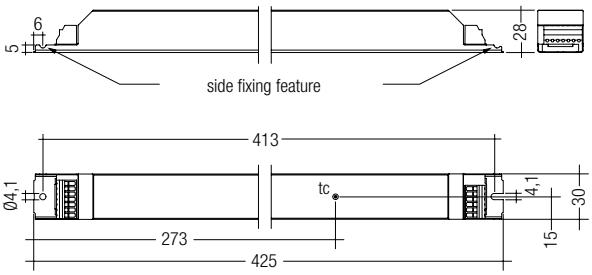
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ① ②	700 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	150 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	95 %
λ (at 230 V, 50 Hz, full load) ① ②	0.98
Typ. input current in no-load operation	90 mA
Typ. input power in no-load operation	< 500 mW
In-rush current (peak / duration)	60 A / 200 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 20 %
LF ripple (< 120 Hz)	0.0001 %
Max. output voltage (no-load voltage)	420 V
PWM frequency ③	500 Hz
Dimming range	1 – 100 %
Dimming range (without PWM)	35 – 100 %
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	4 kV
Surge voltage at output side (against PE)	4 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCA 150W 350-900mA 1-10V IND sl EXC	**28000835**	10 pc(s).	480 pc(s).	0.383 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ④	Max. output power ④	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCA 150W 350-900mA 1-10V IND sI EXC	350 mA	126 V	300 V	105 W	110 W	478 mA	90 °C	-40 ... +70 °C	open
LCA 150W 350-900mA 1-10V IND sI EXC	375 mA	126 V	300 V	113 W	118 W	513 mA	90 °C	-40 ... +70 °C	71.50 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	400 mA	126 V	300 V	120 W	125 W	543 mA	90 °C	-40 ... +70 °C	66.50 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	425 mA	126 V	300 V	128 W	133 W	578 mA	90 °C	-40 ... +70 °C	61.90 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	450 mA	126 V	300 V	135 W	141 W	613 mA	90 °C	-40 ... +70 °C	57.60 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	475 mA	126 V	300 V	143 W	149 W	648 mA	90 °C	-40 ... +70 °C	53.60 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	500 mA	126 V	300 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	49.90 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	525 mA	126 V	286 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	45.30 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	550 mA	123 V	273 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	42.20 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	575 mA	117 V	261 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	38.30 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	600 mA	113 V	250 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	35.70 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	625 mA	108 V	240 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	32.40 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	650 mA	104 V	231 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	28.70 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	675 mA	100 V	222 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	26.10 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	700 mA	96 V	214 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	22.00 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	725 mA	93 V	207 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	17.40 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	750 mA	90 V	200 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	15.00 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	775 mA	87 V	194 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	12.40 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	800 mA	84 V	188 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	10.00 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	825 mA	82 V	182 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	7.68 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	850 mA	79 V	177 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	5.36 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	875 mA	77 V	171 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	3.16 kΩ
LCA 150W 350-900mA 1-10V IND sI EXC	900 mA	75 V	168 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	short circuit (0 Ω)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ ± 10 %.
④ At full load.

IP20

NEW

TALEXconverter LCA 150W 350–900mA 1–10V+ IND sl EXC

EXCITE series

Product description

- Dimmable constant current built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 900 mA
- Max. output power 150 W
- Dimming range 1 to 100 %
- Nominal life-time up to 200,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Extended temperature range of -40 ... +70 °C

Properties

- White slim metal casing
- Type of protection IP20

Interfaces

- 1 – 10 V

Functions

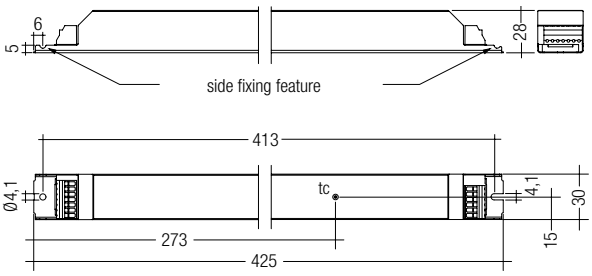
- Adjustable output current (I-select resistor)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit proof
- Overload protection
- Suitable for emergency lighting units acc. to EN50172
- Intelligent Voltage Guard (overvoltage and undervoltage shutdown)

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 48 h
Typ. current (at 230 V, 50 Hz, full load) ① ②	700 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	150 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	95 %
λ (at 230 V, 50 Hz, full load) ①	0.98
Typ. input current in no-load operation	90 mA
Input power in no-load operation	< 500 mW
In-rush current (peak / duration)	60 A / 200 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. output current peak	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 20 %
LF ripple (< 120 Hz)	< 0.1 %
Max. output voltage (no-load voltage)	420 V
PWM frequency ③	500 Hz
Dimming range	1 – 100 %
Dimming range (without PWM)	35 – 100 %
Suitable for burst / surge peaks up to (between L - N)	4 kV
Suitable for burst / surge peaks up to (between L/N - PE)	4 kV
Burst / surge peaks output side against PE	4 kV
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging carton	Packaging pallet	Weight per pc.
LCA 150W 350-900mA 1-10V+ IND sl EXC	**28000836**	10 pc(s).	480 pc(s).	0.385 kg

Specific technical data

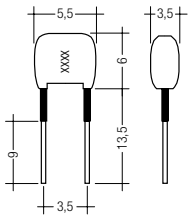
Type	Output current	Min. forward voltage	Max. forward voltage ④	Max. output power ④	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	Max. casing temperature tc	Ambient temperature ta max.	I-select resistorvalue
	350 mA	126 V	300 V	105 W	110 W	478 mA	90 °C	-40 ... +70 °C	open
	375 mA	126 V	300 V	113 W	118 W	513 mA	90 °C	-40 ... +70 °C	71.50 kΩ
	400 mA	126 V	300 V	120 W	125 W	543 mA	90 °C	-40 ... +70 °C	66.50 kΩ
	425 mA	126 V	300 V	128 W	133 W	578 mA	90 °C	-40 ... +70 °C	61.90 kΩ
	450 mA	126 V	300 V	135 W	141 W	613 mA	90 °C	-40 ... +70 °C	57.60 kΩ
	475 mA	126 V	300 V	143 W	149 W	648 mA	90 °C	-40 ... +70 °C	53.60 kΩ
	500 mA	126 V	300 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	49.90 kΩ
	525 mA	126 V	286 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	45.30 kΩ
	550 mA	123 V	273 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	42.20 kΩ
	575 mA	117 V	261 V	150 W	156 W	678 mA	90 °C	-40 ... +70 °C	38.30 kΩ
	600 mA	113 V	250 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	35.70 kΩ
LCA 150W 350-900mA 1-10V+ IND sl EXC	625 mA	108 V	240 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	32.40 kΩ
	650 mA	104 V	231 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	28.70 kΩ
	675 mA	100 V	222 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	26.10 kΩ
	700 mA	96 V	214 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	22.00 kΩ
	725 mA	93 V	207 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	17.40 kΩ
	750 mA	90 V	200 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	15.00 kΩ
	775 mA	87 V	194 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	12.40 kΩ
	800 mA	84 V	188 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	10.00 kΩ
	825 mA	82 V	182 V	150 W	158 W	687 mA	90 °C	-40 ... +70 °C	7.68 kΩ
	850 mA	79 V	177 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	5.36 kΩ
	875 mA	77 V	171 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	3.16 kΩ
	900 mA	75 V	167 V	150 W	160 W	696 mA	90 °C	-40 ... +70 °C	short circuit (0 Ω)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ ± 10 %.
④ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0 Ω	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.9 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.0 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 20W 150mA–400mA ECO lp

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

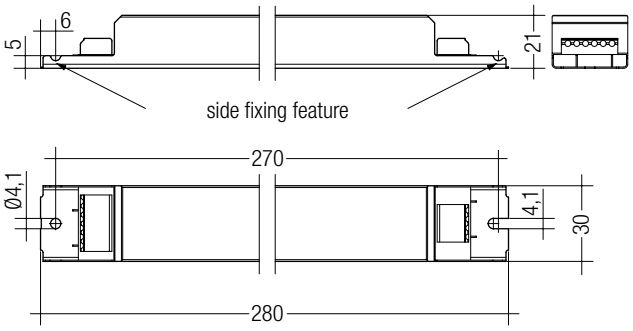
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	50 – 105 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	18 – 19 mA
Leakage current (PE)	< 0.5 mA
Max. input power	25 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	80 – 87 %
λ (at 230 V, 50 Hz, full load) ① ②	0.83 – 0.95
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 22 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 20W 150mA–400mA ECO lp	**28000132**	10 pc(s).	960 pc(s).	0.193 kg

Specific technical data

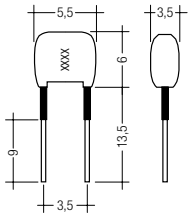
Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 20W 150mA–400mA ECO Ip	150 mA	22 V	50 V	7.5 W	9.3 W	50 mA	80 °C	-25 ... +65 °C	open
LCAI 20W 150mA–400mA ECO Ip	175 mA	22 V	50 V	8.8 W	10.6 W	55 mA	80 °C	-25 ... +65 °C	63.40 kΩ
LCAI 20W 150mA–400mA ECO Ip	200 mA	22 V	50 V	10.0 W	11.9 W	61 mA	80 °C	-25 ... +65 °C	54.90 kΩ
LCAI 20W 150mA–400mA ECO Ip	225 mA	22 V	50 V	11.3 W	13.3 W	67 mA	80 °C	-25 ... +65 °C	47.50 kΩ
LCAI 20W 150mA–400mA ECO Ip	250 mA	22 V	50 V	12.5 W	14.6 W	71 mA	80 °C	-25 ... +65 °C	40.20 kΩ
LCAI 20W 150mA–400mA ECO Ip	275 mA	22 V	50 V	13.8 W	16.0 W	76 mA	80 °C	-25 ... +65 °C	34.00 kΩ
LCAI 20W 150mA–400mA ECO Ip	300 mA	22 V	50 V	15.0 W	17.4 W	82 mA	80 °C	-25 ... +65 °C	27.40 kΩ
LCAI 20W 150mA–400mA ECO Ip	325 mA	22 V	50 V	16.3 W	18.7 W	88 mA	80 °C	-25 ... +65 °C	22.00 kΩ
LCAI 20W 150mA–400mA ECO Ip	350 mA	22 V	50 V	17.5 W	20.1 W	93 mA	80 °C	-25 ... +65 °C	12.00 kΩ
LCAI 20W 150mA–400mA ECO Ip	375 mA	22 V	50 V	18.8 W	21.5 W	99 mA	80 °C	-25 ... +65 °C	6.19 kΩ
LCAI 20W 150mA–400mA ECO Ip	400 mA	22 V	50 V	20.0 W	22.9 W	105 mA	80 °C	-25 ... +65 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV

NEW

TALEXdriver LCAI 20W 350mA–550mA ECO lp

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 350 – 550 mA
- Max. output power 20 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

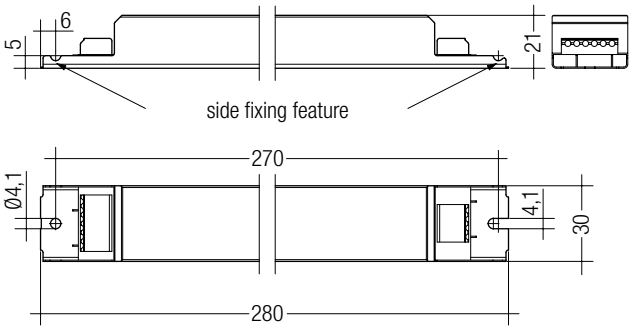
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	90 – 110 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	15 – 20 mA
Leakage current (PE)	< 0.5 mA
Max. input power	25 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	85.3 – 86.7 %
λ (at 230 V, 50 Hz, full load) ① ②	0.83 – 0.95
Typ. power input on stand-by ③	120 – 140 mW
THD (at 230 V, 50 Hz, full load)	< 22 %
Time to light (at 230 V, 50 Hz, full load, acc. to DALI)	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 18 %
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Max. output voltage	60 V
Dimensions L x W x H	280 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 20W 350mA-550mA ECO lp	**28000841**	10 pc(s).	960 pc(s).	0.193 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 20W 350mA-550mA ECO Ip	350 mA	23 V	50 V	17.5 W	19.7 W	91 mA	80 °C	-25 ... +65 °C	open
LCAI 20W 350mA-550mA ECO Ip	375 mA	23 V	50 V	19.0 W	21.2 W	97 mA	80 °C	-25 ... +65 °C	71.5 kΩ
LCAI 20W 350mA-550mA ECO Ip	400 mA	23 V	50 V	20.0 W	22.7 W	103 mA	80 °C	-25 ... +65 °C	66.5 kΩ
LCAI 20W 350mA-550mA ECO Ip	425 mA	21 V	47 V	20.0 W	22.7 W	103 mA	80 °C	-25 ... +65 °C	61.9 kΩ
LCAI 20W 350mA-550mA ECO Ip	450 mA	20 V	44 V	20.0 W	22.1 W	105 mA	80 °C	-25 ... +65 °C	57.6 kΩ
LCAI 20W 350mA-550mA ECO Ip	475 mA	19 V	42 V	20.0 W	23.1 W	105 mA	80 °C	-25 ... +65 °C	53.6 kΩ
LCAI 20W 350mA-550mA ECO Ip	500 mA	18 V	40 V	20.0 W	23.2 W	105 mA	80 °C	-25 ... +65 °C	49.9 kΩ
LCAI 20W 350mA-550mA ECO Ip	525 mA	17 V	38 V	20.0 W	23.0 W	105 mA	80 °C	-25 ... +65 °C	45.3 kΩ
LCAI 20W 350mA-550mA ECO Ip	550 mA	16 V	36 V	20.0 W	23.1 W	105 mA	80 °C	-25 ... +65 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

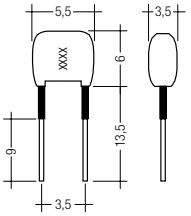
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	**Article number**	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.9 kΩ	10 pc(s).	0.001 kg

IP20 RoHS



TALEXdriver LCAI 35W 150mA–400mA ECO lp

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

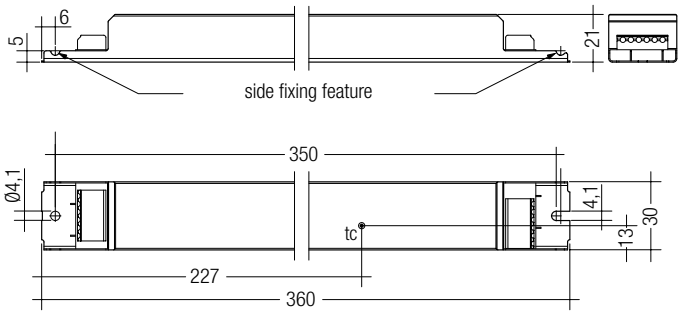
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	171 – 183 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	38 – 40 mA
Leakage current (PE)	< 0.24 mA
Max. input power	41.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	87 – 88.5 %
λ (at 230 V, 50 Hz, full load) ① ②	0.99
Typ. power input on stand-by ③	70 – 100 mW
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	17.6 A / 179 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	250 V
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 150mA–400mA ECO lp	**28000133**	10 pc(s).	760 pc(s).	0.266 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 150mA–400mA ECO Ip	150 mA	99 V	220 V	33 W	39.0 W	171 mA	80 °C	-25 ... +60 °C	open
LCAI 35W 150mA–400mA ECO Ip	175 mA	90 V	200 V	35 W	40.7 W	178 mA	80 °C	-25 ... +60 °C	63.40 kΩ
LCAI 35W 150mA–400mA ECO Ip	200 mA	79 V	175 V	35 W	41.0 W	180 mA	80 °C	-25 ... +60 °C	54.90 kΩ
LCAI 35W 150mA–400mA ECO Ip	225 mA	70 V	156 V	35 W	41.4 W	181 mA	80 °C	-25 ... +60 °C	47.50 kΩ
LCAI 35W 150mA–400mA ECO Ip	250 mA	63 V	140 V	35 W	41.1 W	180 mA	80 °C	-25 ... +60 °C	40.20 kΩ
LCAI 35W 150mA–400mA ECO Ip	275 mA	57 V	127 V	35 W	41.2 W	180 mA	80 °C	-25 ... +60 °C	34.00 kΩ
LCAI 35W 150mA–400mA ECO Ip	300 mA	53 V	117 V	35 W	41.4 W	181 mA	80 °C	-25 ... +60 °C	27.40 kΩ
LCAI 35W 150mA–400mA ECO Ip	325 mA	48 V	108 V	35 W	41.6 W	182 mA	80 °C	-25 ... +60 °C	22.00 kΩ
LCAI 35W 150mA–400mA ECO Ip	350 mA	45 V	100 V	35 W	41.6 W	181 mA	80 °C	-25 ... +60 °C	12.00 kΩ
LCAI 35W 150mA–400mA ECO Ip	375 mA	42 V	93 V	35 W	41.6 W	182 mA	80 °C	-25 ... +60 °C	6.19 kΩ
LCAI 35W 150mA–400mA ECO Ip	400 mA	39 V	88 V	35 W	41.8 W	183 mA	80 °C	-25 ... +60 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

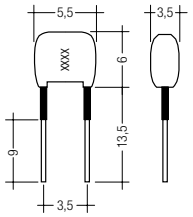
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 250mA BL	**28000368**	Blue	0250	40.20 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 275mA BL	**28000369**	Blue	0275	34.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 35W 900mA–1750mA ECO lp

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 35 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

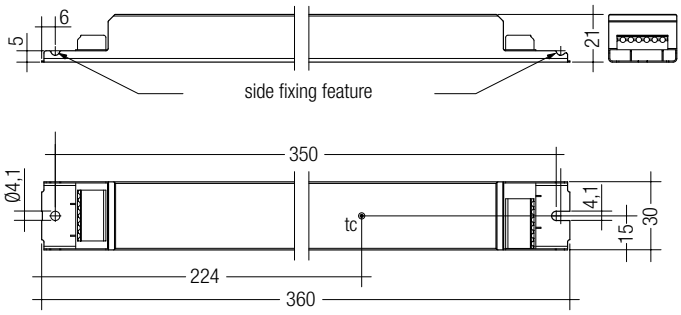
→ For product data sheet go to www.tridonic.com, or available on request

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For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	178 – 185 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	34 – 37 mA
Leakage current (PE)	< 0.2 mA
Max. input power	41.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	83.5 – 87.5 %
λ (at 230 V, 50 Hz, full load) ① ②	0.98 – 0.99
Typ. power input on stand-by ③	70 – 100 mW
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	18.4 A / 201 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	60 V
PWM frequency ⑤	500 Hz ± 20 %
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 35W 900mA–1750mA ECO lp	**28000138**	10 pc(s).	760 pc(s).	0.263 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 35W 900mA–1750mA ECO Ip	900 mA	17.5 V	38.9 V	35 W	40.1 W	181 mA	70 °C	-25 ... +60 °C	open
LCAI 35W 900mA–1750mA ECO Ip	950 mA	16.6 V	36.8 V	35 W	40.2 W	182 mA	70 °C	-25 ... +60 °C	69.80 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,000 mA	15.8 V	35.0 V	35 W	40.3 W	182 mA	70 °C	-25 ... +60 °C	64.90 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,050 mA	15.0 V	33.3 V	35 W	40.4 W	183 mA	70 °C	-25 ... +60 °C	56.00 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,100 mA	14.3 V	31.8 V	35 W	40.4 W	183 mA	70 °C	-25 ... +55 °C	47.50 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,150 mA	13.7 V	30.4 V	35 W	40.5 W	183 mA	70 °C	-25 ... +55 °C	43.20 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,200 mA	13.1 V	29.2 V	35 W	40.5 W	183 mA	70 °C	-25 ... +55 °C	40.20 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,250 mA	12.6 V	28.0 V	35 W	40.5 W	183 mA	70 °C	-25 ... +55 °C	36.50 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,300 mA	12.1 V	26.9 V	35 W	40.5 W	183 mA	70 °C	-25 ... +55 °C	32.40 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,350 mA	11.7 V	25.9 V	35 W	40.6 W	183 mA	70 °C	-25 ... +55 °C	28.70 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,400 mA	11.3 V	25.0 V	35 W	40.6 W	183 mA	75 °C	-25 ... +55 °C	22.00 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,450 mA	10.9 V	24.1 V	35 W	40.7 W	183 mA	75 °C	-25 ... +55 °C	17.80 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,500 mA	10.5 V	23.3 V	35 W	40.8 W	184 mA	75 °C	-25 ... +55 °C	15.00 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,550 mA	10.2 V	22.6 V	35 W	40.9 W	184 mA	75 °C	-25 ... +55 °C	12.10 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,600 mA	9.8 V	21.9 V	35 W	40.9 W	184 mA	75 °C	-25 ... +55 °C	9.31 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,650 mA	9.5 V	21.2 V	35 W	41.0 W	185 mA	75 °C	-25 ... +55 °C	6.49 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,700 mA	9.3 V	20.6 V	35 W	41.1 W	185 mA	75 °C	-25 ... +55 °C	3.83 kΩ
LCAI 35W 900mA–1750mA ECO Ip	1,750 mA	9.0 V	20.0 V	35 W	41.2 W	185 mA	75 °C	-25 ... +55 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

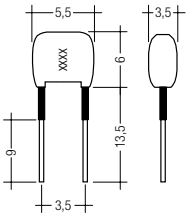
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

IP20 RoHS



TALEXdriver LCAI 65W 150mA–400mA ECO lp

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

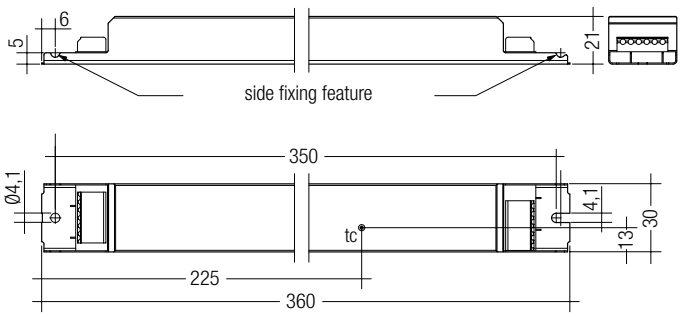
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	175 – 326 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	39 – 60 mA
Leakage current (PE)	< 0.25 mA
Max. input power	74.3 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	87.6 – 88.1 %
λ (at 230 V, 50 Hz, full load) ① ②	0.98
Typ. power input on stand-by ③	70 – 100 mW
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	24.2 A / 251 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.4 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	250 V
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 65W 150mA–400mA ECO lp	**28000134**	10 pc(s).	760 pc(s).	0.271 kg

Specific technical data

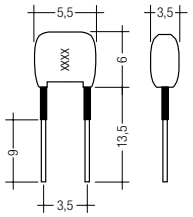
Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 65W 150mA–400mA ECO Ip	150 mA	121 V	220.0 V	33.0 W	39.0 W	175 mA	75 °C	-25 ... +60 °C	open
LCAI 65W 150mA–400mA ECO Ip	175 mA	115 V	220.0 V	38.5 W	45.0 W	201 mA	90 °C	-25 ... +60 °C	63.40 kΩ
LCAI 65W 150mA–400mA ECO Ip	200 mA	110 V	220.0 V	44.0 W	51.2 W	227 mA	90 °C	-25 ... +60 °C	54.90 kΩ
LCAI 65W 150mA–400mA ECO Ip	225 mA	105 V	220.0 V	49.5 W	57.5 W	256 mA	90 °C	-25 ... +60 °C	47.50 kΩ
LCAI 65W 150mA–400mA ECO Ip	250 mA	99 V	220.0 V	55.0 W	63.9 W	284 mA	90 °C	-25 ... +60 °C	40.20 kΩ
LCAI 65W 150mA–400mA ECO Ip	275 mA	99 V	220.0 V	60.5 W	63.9 W	307 mA	90 °C	-25 ... +55 °C	34.00 kΩ
LCAI 65W 150mA–400mA ECO Ip	300 mA	98 V	217.0 V	65.0 W	73.4 W	325 mA	90 °C	-25 ... +55 °C	27.40 kΩ
LCAI 65W 150mA–400mA ECO Ip	325 mA	90 V	200.0 V	65.0 W	73.4 W	325 mA	90 °C	-25 ... +55 °C	22.00 kΩ
LCAI 65W 150mA–400mA ECO Ip	350 mA	84 V	186.0 V	65.0 W	73.5 W	325 mA	90 °C	-25 ... +55 °C	12.00 kΩ
LCAI 65W 150mA–400mA ECO Ip	375 mA	78 V	173.5 V	65.0 W	73.5 W	326 mA	90 °C	-25 ... +55 °C	6.19 kΩ
LCAI 65W 150mA–400mA ECO Ip	400 mA	73 V	163.0 V	65.0 W	73.7 W	326 mA	90 °C	-25 ... +55 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG TOP / ECO





Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20 SELV



TALEXdriver LCAI 65W 900mA–1750mA ECO lp

ECO series

Product description

- Dimmable built-in LED Driver
- Constant current LED Driver
- Output current adjustable between 900 – 1,750 mA
- Max. output power 65 W
- Nominal life-time up to 100,000 h
- 5-year guarantee
- Dimming range 1 to 100 %

Properties

- Low profile metal casing with white cover
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

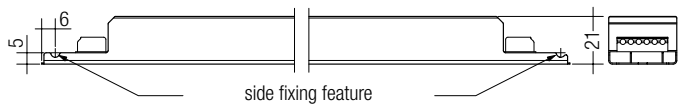
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172

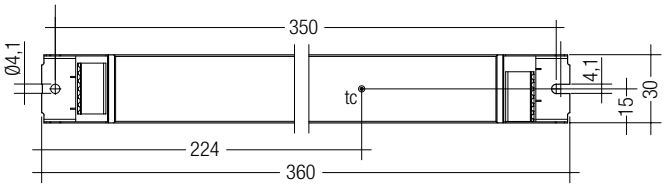
→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. current (at 230 V, 50 Hz, full load) ① ②	327 – 336 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	51 – 54 mA
Leakage current (PE)	< 0.2 mA
Max. input power	76 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	80 – 91 %
λ (at 230 V, 50 Hz, full load) ① ②	0.99
Typ. power input on stand-by ③	70 – 100 mW
Typ. input current in no-load operation	22 mA
Typ. input power in no-load operation	0.5 W
In-rush current (peak / duration)	25 A / 246 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 23 ms
Hold on time (at 230 V, 50 Hz, full load) ④	< 14 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	120 V
PWM frequency	500 Hz
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	360 x 30 x 21 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 65W 900mA–1750mA ECO lp	**28000139**	10 pc(s).	760 pc(s).	0.271 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑤	Max. output power ⑤	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 65W 900mA–1750mA ECO Ip	900 mA	33.3 V	72.5 V	65 W	73.7 W	324 mA	90 °C	-25 ... +55 °C	open
LCAI 65W 900mA–1750mA ECO Ip	950 mA	31.6 V	68.5 V	65 W	76.7 W	323 mA	90 °C	-25 ... +55 °C	69.80 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,000 mA	30.0 V	65.0 V	65 W	74.0 W	325 mA	90 °C	-25 ... +55 °C	64.90 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,050 mA	28.6 V	62.0 V	65 W	74.3 W	326 mA	90 °C	-25 ... +55 °C	56.00 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,100 mA	27.3 V	59.5 V	65 W	74.4 W	327 mA	90 °C	-25 ... +55 °C	47.50 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,150 mA	26.1 V	56.5 V	65 W	74.5 W	327 mA	90 °C	-25 ... +55 °C	43.20 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,200 mA	25.0 V	54.5 V	65 W	74.7 W	328 mA	90 °C	-25 ... +55 °C	40.20 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,250 mA	24.0 V	52.0 V	65 W	74.6 W	328 mA	90 °C	-25 ... +55 °C	36.50 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,300 mA	23.1 V	50.0 V	65 W	74.7 W	328 mA	90 °C	-25 ... +55 °C	32.40 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,350 mA	22.2 V	48.5 V	65 W	74.8 W	328 mA	90 °C	-25 ... +55 °C	28.70 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,400 mA	21.4 V	46.5 V	65 W	74.4 W	327 mA	90 °C	-25 ... +55 °C	22.00 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,450 mA	20.7 V	45.0 V	65 W	74.5 W	327 mA	90 °C	-25 ... +50 °C	17.80 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,500 mA	20.0 V	43.5 V	65 W	74.4 W	327 mA	90 °C	-25 ... +50 °C	15.00 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,550 mA	19.4 V	42.0 V	65 W	74.5 W	327 mA	90 °C	-25 ... +50 °C	12.10 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,600 mA	18.8 V	41.0 V	65 W	74.5 W	327 mA	90 °C	-25 ... +50 °C	9.31 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,650 mA	18.2 V	39.5 V	65 W	74.6 W	328 mA	90 °C	-25 ... +50 °C	6.49 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,700 mA	17.6 V	38.5 V	65 W	74.6 W	328 mA	90 °C	-25 ... +50 °C	3.83 kΩ
LCAI 65W 900mA–1750mA ECO Ip	1,750 mA	17.1 V	37.5 V	65 W	74.6 W	328 mA	90 °C	-25 ... +50 °C	short circuit (0 kΩ)

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ At full load.

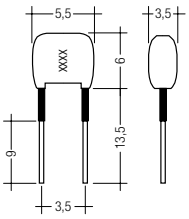
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.80 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.00 kΩ	10 pc(s).	0.001 kg

IP20

TALEXdriver LCAI 65W 150mA–400mA ECO INDUSTRY sl

ECO series

Product description

- Dimmable constant current Built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Dimming range 1 to 100 %
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

- White low profile metal casing
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

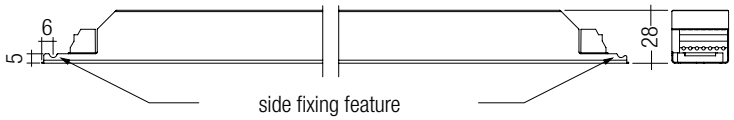
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)

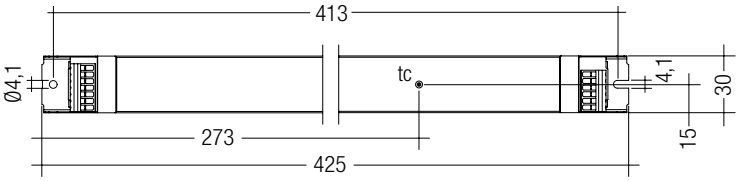
→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ① ②	323 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	56 mA
Leakage current (PE)	< 0.27 mA
Max. input power	72.8 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	> 90 %
λ (at 230 V, 50 Hz, full load) ① ②	0.98
Typ. power input on stand-by ③	123 mW
THD (at 230 V, 50 Hz, full load) ①	< 5.3 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	20 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	250 V
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 65W 150mA-400mA ECO INDUSTRY	**28000348**	10 pc(s).	480 pc(s).	0.411 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 65W 150mA-400mA ECO INDUSTRY	150 mA	121 V	220 V	33.0 W	37.8 W	174 mA	90 °C	-40 ... +75 °C	short circuit (0 kΩ)
LCAI 65W 150mA-400mA ECO INDUSTRY	175 mA	115 V	220 V	38.5 W	43.3 W	196 mA	90 °C	-40 ... +75 °C	63.40 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	200 mA	110 V	220 V	44.0 W	48.8 W	219 mA	90 °C	-40 ... +75 °C	54.90 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	225 mA	105 V	220 V	49.5 W	55.2 W	247 mA	90 °C	-40 ... +75 °C	47.50 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	250 mA	99 V	220 V	55.0 W	61.6 W	275 mA	90 °C	-40 ... +70 °C	40.20 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	275 mA	99 V	220 V	60.5 W	66.5 W	295 mA	90 °C	-40 ... +70 °C	34.00 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	300 mA	98 V	217 V	65.0 W	71.4 W	316 mA	90 °C	-40 ... +70 °C	27.40 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	325 mA	90 V	200 V	65.0 W	72.1 W	319 mA	90 °C	-40 ... +70 °C	22.00 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	350 mA	84 V	186 V	65.0 W	72.8 W	323 mA	90 °C	-40 ... +70 °C	12.00 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	375 mA	78 V	173 V	65.0 W	72.8 W	323 mA	90 °C	-40 ... +70 °C	6.19 kΩ
LCAI 65W 150mA-400mA ECO INDUSTRY	400 mA	73 V	163 V	65.0 W	72.8 W	323 mA	90 °C	-40 ... +70 °C	open

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 10 %.
⑥ At full load.

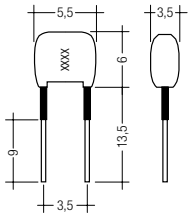
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 300mA BL	**28000275**	Blue	0300	27.40 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 350mA BL	**28000276**	Blue	0350	12.00 kΩ	10 pc(s).	0.001 kg

IP20

TALEXdriver LCAI 100W 350mA–900mA ECO INDUSTRY sl

ECO series

Product description

- Dimmable constant current Built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 900 mA
- Max. output power 100 W
- Dimming range 1 to 100 %
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

- White low profile metal casing
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

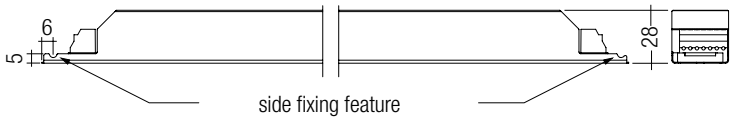
- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)

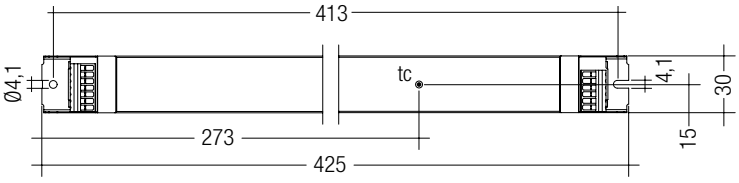
→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19







Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ① ②	486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	79 mA
Leakage current (PE)	< 0.27 mA
Max. input power	111 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	> 90 %
λ (at 230 V, 50 Hz, full load) ① ②	0.99
Typ. power input on stand-by ③	120 mW
THD (at 230 V, 50 Hz, full load) ①	< 4 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.2 s
Switchover time (AC/DC)	< 0.2 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	20 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. output voltage (no-load voltage)	250 V
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 100W 350mA-900mA ECO INDUSTRY	**28000349**	10 pc(s).	480 pc(s).	0.419 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 100W 350mA-900mA ECO INDUSTRY	350 mA	99 V	220 V	77.0 W	85.4 W	377 mA	95 °C	-40 ... +70 °C	short circuit (0 kΩ)
LCAI 100W 350mA-900mA ECO INDUSTRY	375 mA	99 V	220 V	82.5 W	91.5 W	404 mA	95 °C	-40 ... +70 °C	71.50 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	400 mA	99 V	220 V	88.0 W	96.4 W	423 mA	95 °C	-40 ... +70 °C	66.50 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	425 mA	99 V	220 V	93.5 W	102.8 W	451 mA	95 °C	-40 ... +70 °C	61.90 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	450 mA	99 V	220 V	99.0 W	108.8 W	478 mA	100 °C	-40 ... +65 °C	57.60 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	475 mA	95 V	211 V	100.0 W	109.7 W	481 mA	100 °C	-40 ... +65 °C	53.60 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	500 mA	90 V	200 V	100.0 W	109.4 W	479 mA	100 °C	-40 ... +65 °C	49.90 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	525 mA	86 V	190 V	100.0 W	109.6 W	480 mA	100 °C	-40 ... +65 °C	45.30 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	550 mA	82 V	182 V	100.0 W	109.6 W	480 mA	100 °C	-40 ... +65 °C	42.20 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	575 mA	78 V	174 V	100.0 W	109.6 W	480 mA	100 °C	-40 ... +65 °C	38.30 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	600 mA	75 V	167 V	100.0 W	109.9 W	481 mA	100 °C	-40 ... +65 °C	35.70 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	625 mA	72 V	160 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	32.40 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	650 mA	69 V	154 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	28.70 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	675 mA	67 V	148 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	26.10 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	700 mA	64 V	143 V	100.0 W	110.1 W	483 mA	100 °C	-40 ... +65 °C	22.00 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	725 mA	62 V	138 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	17.40 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	750 mA	60 V	133 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	15.00 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	775 mA	58 V	129 V	100.0 W	110.0 W	482 mA	100 °C	-40 ... +65 °C	12.40 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	800 mA	56 V	125 V	100.0 W	109.9 W	481 mA	100 °C	-40 ... +65 °C	10.00 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	825 mA	55 V	121 V	100.0 W	110.4 W	484 mA	100 °C	-40 ... +65 °C	7.68 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	850 mA	53 V	118 V	100.0 W	110.4 W	484 mA	100 °C	-40 ... +65 °C	5.36 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	875 mA	51 V	114 V	100.0 W	110.4 W	484 mA	100 °C	-40 ... +65 °C	3.16 kΩ
LCAI 100W 350mA-900mA ECO INDUSTRY	900 mA	50 V	111 V	100.0 W	110.8 W	486 mA	100 °C	-40 ... +65 °C	open

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 10 %.
⑥ At full load.

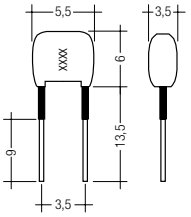
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

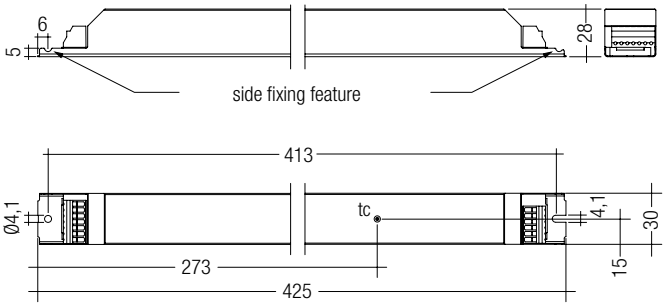
Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP20

TALEXdriver LCAI 150W 350mA–1050mA ECO INDUSTRY sl

ECO series





Product description

- Dimmable constant current Built-in LED Driver, particularly suitable for industrial applications
- Output current adjustable between 350 – 1.050 mA
- Max. output power 150 W
- Dimming range 1 to 100 %
- Nominal life-time of 100,000 h
- 8-year guarantee
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Expanded temperature range of -40 ... +70 °C

Properties

- White low profile metal casing
- Type of protection IP20

Interfaces

- DALI DEVICE type 6
- DSI
- switchDIM (with memory function)
- corridorFUNCTION

Functions

- Adjustable output current (I-select resistor or DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting LED Driver acc. to EN 50172
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet

Product / function matrix, page 19

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ① ②	710 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level) ②	100 mA
Leakage current (PE)	< 0.7 mA
Max. input power	160 W
Typ. efficiency (at 230 V, 50 Hz, full load) ②	> 94 %
λ (at 230 V, 50 Hz, full load) ① ②	0.98
Typ. power input on stand-by ③	< 200 mW
Typ. input current in no-load operation	75 mA
Typ. input power in no-load operation	< 200 mW
In-rush current (peak / duration)	60 A / 200 µs
THD (at 230 V, 50 Hz, full load) ①	< 10 %
Time to light (at 230 V, 50 Hz, full load) ①	< 0.6 s
Time to light (DC mode)	< 0.4 s
Switchover time (AC/DC)	< 0.4 s
Turn off time (at 230 V, 50 Hz, full load)	< 50 ms
Hold on time (at 230 V, 50 Hz, full load) ④	15 ms
Output current tolerance ①	± 3 %
Output current ripple	± 15 %
Max. repetitive output peak current	≤ output current + 18 %
Max. non-repetitive output peak current	≤ output current + 20 %
Max. output voltage (no-load voltage)	420 V
PWM frequency ⑤	500 Hz
Dimming range	1 – 100 %
Dimming range (no PWM)	35 – 100 %
Dimensions L x W x H	425 x 30 x 28 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	**28000527**	10 pc(s).	480 pc(s).	0.385 kg

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage ⑥	Max. output power ⑥	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value ⑦
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	350 mA	126 V	300.0 V	105.0 W	110.5 W	480 mA	95 °C	-40 ... +70 °C	open
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	375 mA	126 V	300.0 V	112.5 W	118.3 W	510 mA	95 °C	-40 ... +70 °C	71.50 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	400 mA	126 V	300.0 V	120.0 W	125.0 W	540 mA	95 °C	-40 ... +70 °C	66.50 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	425 mA	126 V	300.0 V	127.5 W	132.8 W	580 mA	95 °C	-40 ... +70 °C	61.90 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	450 mA	126 V	300.0 V	135.0 W	140.6 W	610 mA	95 °C	-40 ... +70 °C	57.60 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	475 mA	126 V	300.0 V	142.5 W	148.4 W	650 mA	95 °C	-40 ... +70 °C	53.60 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	500 mA	126 V	300.0 V	150.0 W	156.4 W	680 mA	95 °C	-40 ... +70 °C	49.90 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	525 mA	126 V	286.0 V	150.0 W	156.6 W	680 mA	95 °C	-40 ... +70 °C	45.30 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	550 mA	123 V	273.0 V	150.0 W	156.7 W	680 mA	95 °C	-40 ... +70 °C	42.20 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	575 mA	117 V	261.0 V	150.0 W	156.9 W	680 mA	95 °C	-40 ... +70 °C	38.30 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	600 mA	113 V	250.0 V	150.0 W	157.1 W	680 mA	95 °C	-40 ... +70 °C	35.70 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	625 mA	108 V	240.0 V	150.0 W	157.2 W	680 mA	95 °C	-40 ... +70 °C	32.40 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	650 mA	104 V	230.8 V	150.0 W	157.4 W	680 mA	95 °C	-40 ... +70 °C	28.70 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	675 mA	100 V	222.2 V	150.0 W	157.7 W	680 mA	95 °C	-40 ... +70 °C	26.10 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	700 mA	96 V	214.3 V	150.0 W	157.7 W	690 mA	95 °C	-40 ... +70 °C	22.00 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	725 mA	93 V	206.9 V	150.0 W	158.1 W	690 mA	95 °C	-40 ... +70 °C	17.40 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	750 mA	90 V	200.0 V	150.0 W	158.1 W	690 mA	95 °C	-40 ... +70 °C	15.00 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	775 mA	87 V	193.5 V	150.0 W	158.2 W	690 mA	95 °C	-40 ... +70 °C	12.40 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	800 mA	84 V	187.5 V	150.0 W	158.4 W	690 mA	95 °C	-40 ... +70 °C	10.00 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	825 mA	82 V	181.8 V	150.0 W	158.7 W	690 mA	95 °C	-40 ... +70 °C	7.68 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	850 mA	79 V	176.5 V	150.0 W	158.9 W	690 mA	95 °C	-40 ... +70 °C	5.36 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	875 mA	77 V	171.4 V	150.0 W	159.2 W	690 mA	95 °C	-40 ... +70 °C	3.16 kΩ
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	900 mA	75 V	166.7 V	150.0 W	159.2 W	690 mA	95 °C	-40 ... +70 °C	short circuit (0 Ω)
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	925 mA	73 V	162.2 V	150.0 W	159.2 W	690 mA	95 °C	-40 ... +70 °C	eDALI
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	950 mA	71 V	157.9 V	150.0 W	159.4 W	690 mA	95 °C	-40 ... +70 °C	eDALI
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	975 mA	69 V	153.8 V	150.0 W	159.6 W	690 mA	95 °C	-40 ... +70 °C	eDALI
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	1,000 mA	68 V	150.0 V	150.0 W	159.7 W	690 mA	95 °C	-40 ... +70 °C	eDALI
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	1,025 mA	66 V	146.3 V	150.0 W	159.9 W	700 mA	95 °C	-40 ... +70 °C	eDALI
LCAI 150W 350mA-1050mA ECO INDUSTRY sl	1,050 mA	64 V	142.9 V	150.0 W	160.1 W	700 mA	95 °C	-40 ... +70 °C	eDALI

① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 10 %.
⑥ At full load.
⑦ eDALI: Can only be set via eDALI.

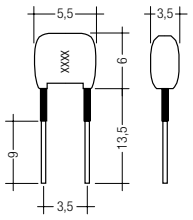
ACCES-SORIES

I-SELECT PLUG TOP / ECO

Product description

- Ready-for-use resistor to set output current value
- Compatible with LED Driver series TOP and ECO
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.00 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 500mA GN	**28000277**	Green	0500	49.90 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 700mA GN	**28000278**	Green	0700	22.00 kΩ	10 pc(s).	0.001 kg

IP67 **SELV Class 2**

NEW

TALEXdriver LCU 15 W 12 V IP67 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 300 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

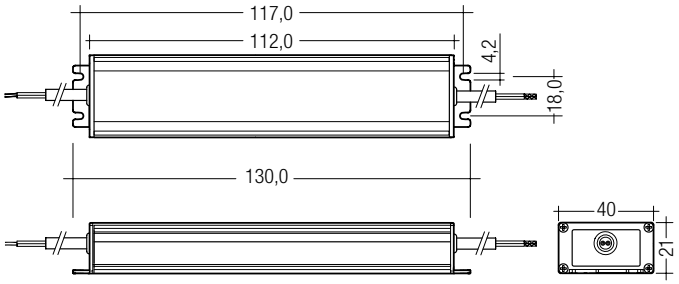
- Small design
- High efficiency
- Low power loss
- Overtemperature protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	100 – 277 V
Input voltage AC	90 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.085 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.9
Output voltage tolerance	-0 / +10 %
Output power (ta ≤ 60 °C)	15 W
Output power (ta > 60 °C)	12 W
Output power range	1.5 – 15 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-40 ... +70 °C
Ambient temperature ta (at life-time 50,000 h)	-40 ... +50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	130 x 40 x 21 mm
Hole spacing D	117 mm

Ordering data

Type	**Article number**	Packaging, carton	Packaging, pallet
LCU 15W 12V IP67 TOP	**28000507**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 15W 12V IP67 TOP	85 °C	12 V	20 W	0.13 – 1.25 A	13.2 V

① At failure mode (230 V, 50 Hz).

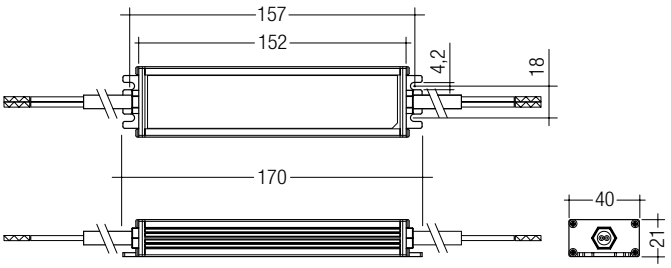
IP67 **SELV Class 2**

NEW

TALEXdriver LCU 35 W 12 V IP67 EXC

EXCITE series





Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 300 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

- Small design
- High efficiency
- Low power loss
- Overtemperature protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Technical data

Rated supply voltage	100 – 277 V
Input voltage AC	90 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.19 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance	-0 / +10 %
Output power (ta ≤ 60 °C)	35 W
Output power (ta > 60 °C)	28 W
Output power range	3.5 – 35 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-40 ... +70 °C
Ambient temperature ta (at life-time 50,000 h)	-40 ... +50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	170 x 40 x 21 mm
Hole spacing D	157 mm

Ordering data

Type	**Article number**	Packaging, carton	Packaging, pallet
LCU 35W 12V IP67 TOP	**28000508**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 35W 12V IP67 TOP	85 °C	12 V	43 W	0.29 – 2.92 A	13.2 V

① At failure mode (230 V, 50 Hz).

IP67 **SELV Class 2**



TALEXdriver LCU 60 W 12 V IP67 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

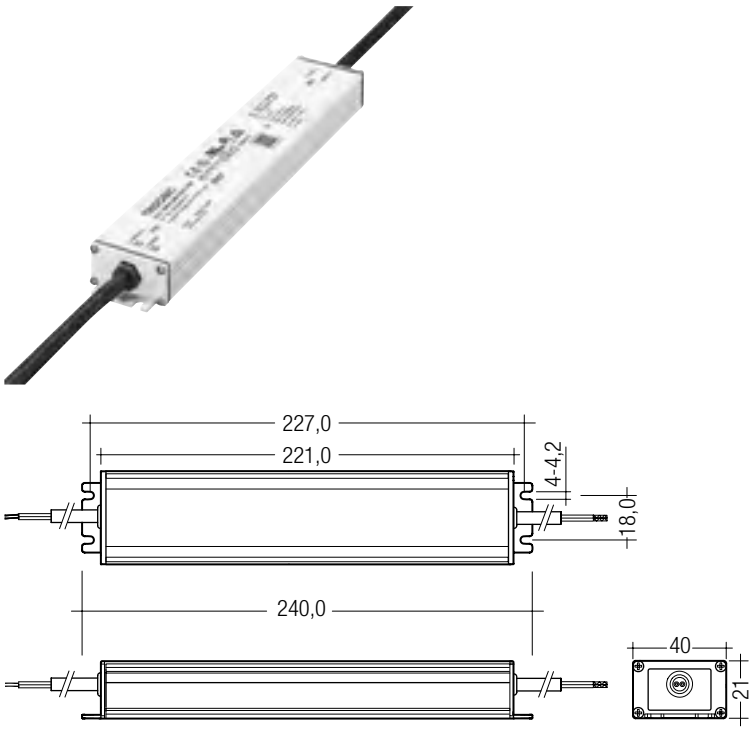
Properties

- Small design
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet



Technical data

Rated supply voltage	100 – 277 V
Input voltage AC	90 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.28 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance	0 / +10 %
Output power (ta ≤ 60 °C)	60 W
Output power (ta > 60 °C)	48 W
Output power range	6 – 60 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-40 ... +70 °C
Ambient temperature ta (at life-time 50,000 h)	-40 ... +50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	240 x 40 x 21 mm
Hole spacing D	227 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 60W 12V IP67 TOP	**28000509**	10 pc(s).	480 pc(s).	0.45 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 60W 12V IP67 TOP	95 °C	12 V	74 W	0.5 – 5 A	13.2 V

① At failure mode (230 V, 50 Hz).

IP67 **SELV Class 2**[1]

NEW

TALEXdriver LCU 100/96 W 12/24 V IP67 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: Cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / – black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency installations according to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

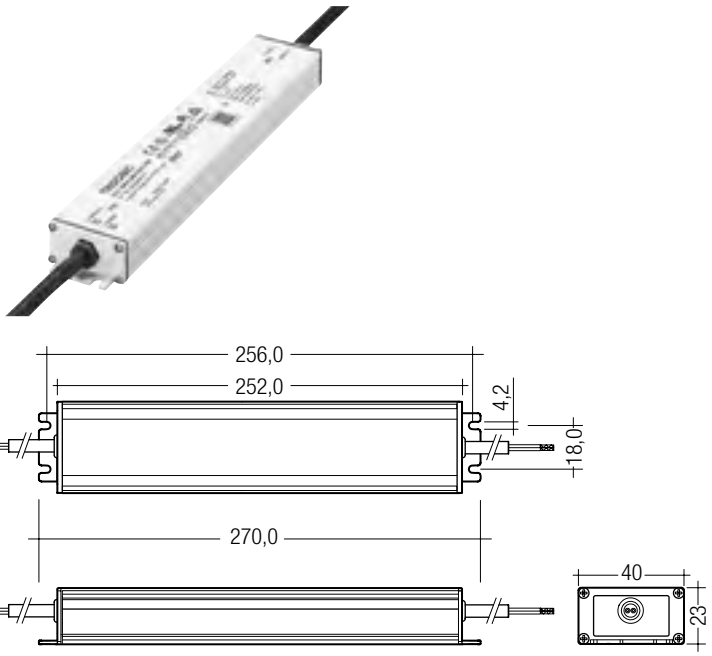
Properties

- Small design
- High efficiency
- Low power loss
- Overtemperature protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- SELV
- Type of protection IP67
- Metal casing

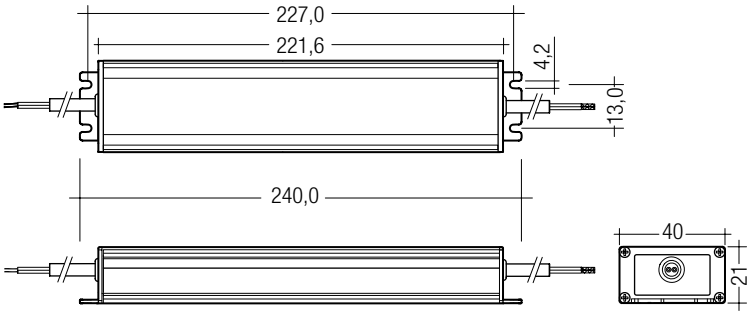
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet



LCU 100W 12V IP67 TOP



LCU 96W 24V IP67 TOP

Technical data

Rated supply voltage	120 – 277 V
Input voltage AC	108 – 305 V
Input voltage DC	176 – 288 V
Rated current 24 V (at 230 V, 50 Hz, full load)	0.51 A
Rated current 12 V (at 230 V, 50 Hz, full load)	0.49 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power 12 V (ta ≤ 60 °C)	100 W
Output power 24 V (ta ≤ 60 °C)	96 W
Output power 12 V (ta > 60 °C)	80 W
Output power 24 V (ta > 60 °C)	76 W
Output power range 12 V	10 – 100 W
Output power range 24 V	10 – 96 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-40 ... +70 °C
Ambient temperature ta (at life-time 50,000 h)	-40 ... +50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H for 12 V	270 x 40 x 23 mm
Dimensions L x W x H for 24 V	270 x 40 x 21 mm
Hole spacing D	257 mm

Ordering data

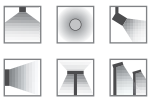
Type	**Article number**	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 100W 12V IP67 TOP	**28000510**	1 pc(s).	1 pc(s).	0.56 kg
LCU 96W 24V IP67 TOP	**28000513**	1 pc(s).	1 pc(s).	tbd

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 100W 12V IP67 TOP	95 °C	12 V	117 W	0.83 – 8.33 A	13.2 V
LCU 96W 24V IP67 TOP	95 °C	24 V	117 W	0.40 – 4.00 A	25.2 V

① Class 2 only 24 V device.
② At failure mode (230 V, 50 Hz).

IP67 SELV EL RoHS



NEW

TALEXdriver LCU 180 W 12/24 V IP67 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

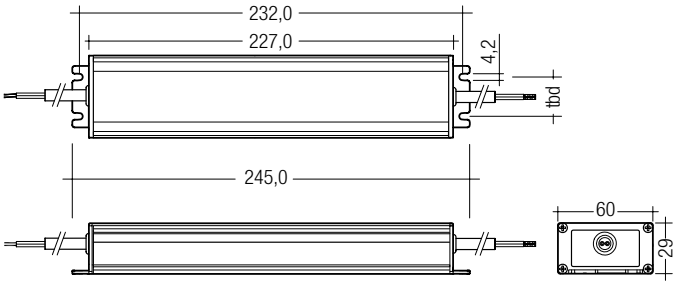
- Small design
- High efficiency
- Low power loss
- Overtemperature protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	120 – 277 V
Input voltage AC	108 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.92 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power (ta ≤ 60 °C)	180 W
Output power (ta > 60 °C)	144 W
Output power range	18 – 180 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-40 ... +70 °C
Ambient temperature ta (at life-time 50,000 h)	-40 ... +50 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	245 x 60 x 29 mm
Hole spacing D	232 mm

Ordering data

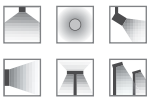
Type	**Article number**	Packaging, carton	Packaging, pallet
LCU 180W 12V IP67 TOP	**28000511**	1 pc(s).	1 pc(s).
LCU 180W 24V IP67 TOP	**28000514**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 180W 12V IP67 TOP	85 °C	12 V	211 W	1.50 – 15.0 A	13.2 V
LCU 180W 24V IP67 TOP	85 °C	24 V	211 W	0.75 – 7.5 A	25.2 V

① At failure mode (230 V, 50 Hz).

IP20 **SELV Class 2**



NEW

TALEXdriver LCU 35 W 12/24 V IP20 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at ta 45 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

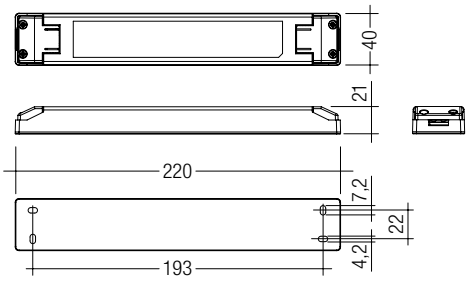
- Small design
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	100 – 277 V
Input voltage AC	90 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.19 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power (ta ≤ 50 °C)	35 W
Output power (ta > 50 °C)	24.5 W
Output power range	3.5 – 35 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h) ①	-25 ... +45 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	220 x 40 x 21 mm
Hole spacing D	193 mm

Ordering data

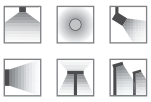
Type	Article number	Packaging, carton	Packaging, pallet
LCU 35W 12V TOP SR	**28000406**	1 pc(s).	1 pc(s).
LCU 35W 24V TOP SR	**28000411**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 35W 12V TOP SR	–	12 V	43 W	0.29 – 2.92 A	13.2 V
LCU 35W 24V TOP SR	–	24 V	43 W	0.15 – 1.46 A	25.2 V

① For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.
② At failure mode (230 V, 50 Hz).

IP20 **SELV Class 2**



NEW

TALEXdriver LCU 60 W 12/24 V IP20 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at ta 45 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

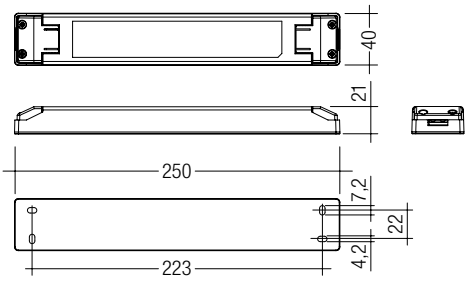
- Small design
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	100 – 277 V
Input voltage AC	90 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.32 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power (ta ≤ 50 °C)	60 W
Output power (ta > 50 °C)	42 W
Output power range	6 – 60 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h) ①	-25 ... +45 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	250 x 40 x 21 mm
Hole spacing D	223 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet
LCU 60W 12V TOP SR	**28000407**	1 pc(s).	1 pc(s).
LCU 60W 24V TOP SR	**28000412**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 60W 12V TOP SR	–	12 V	74 W	0.50 – 5.0 A	13.2 V
LCU 60W 24V TOP SR	–	24 V	74 W	0.25 – 2.5 A	25.2 V

① For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.
② At failure mode (230 V, 50 Hz).

IP20 **SELV Class 2**

NEW

TALEXdriver LCU 100/96 W 12/24 V IP20 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at ta 45 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

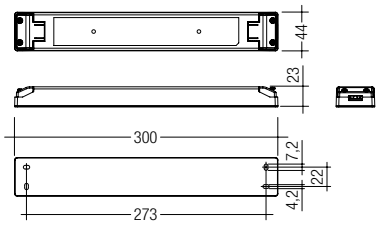
- Small design
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

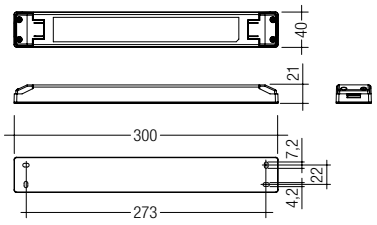
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For standards see data sheet





LCU 100W 12V SR TOP



LCU 96W 24V SR TOP

Technical data

Rated supply voltage	120 – 277 V
Input voltage AC	108 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.51 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power 12 V (ta ≤ 60 °C)	100 W
Output power 12 V (ta > 60 °C)	70 W
Output power 24 V (ta ≤ 50 °C)	96 W
Output power 24 V (ta > 50 °C)	67 W
Output power range 12 V	10 – 100 W
Output power range 24 V	10 – 96 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta (12 V)	-25 ... +70 °C
Ambient temperature ta (24 V)	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h) ①	-25 ... +45 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H for 12 V	300 x 44 x 23 mm
Dimensions L x W x H for 24 V	300 x 40 x 21 mm
Hole spacing D	273 mm

Ordering data

Type	**Article number**	Packaging, carton	Packaging, pallet
LCU 100W 12V TOP SR	**28000408**	1 pc(s).	1 pc(s).
LCU 96W 24V TOP SR	**28000413**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 100W 12V TOP SR	–	12 V	117 W	0.83 – 8.33 A	13.2 V
LCU 96W 24V TOP SR	–	24 V	117 W	0.40 – 4.00 A	25.2 V

① For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.
② At failure mode (230 V, 50 Hz).

IP20 **SELV Class 2**

NEW

TALEXdriver LCU 180 W 12/24 V IP20 EXC

EXCITE series

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Push terminals for simple wiring
- Nominal life-time up to 50,000 h (at ta 45 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Suitable for emergency lighting units acc. to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

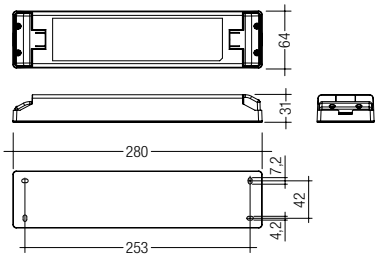
- Small design
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

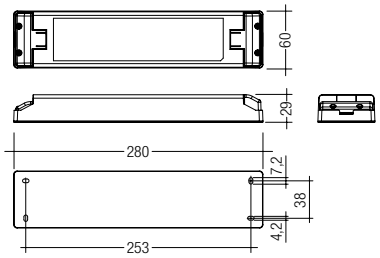
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For standards see data sheet





LCU 180W 12V SR TOP



LCU 180W 24V SR TOP

Technical data

Rated supply voltage	120 – 277 V
Input voltage AC	108 – 305 V
Input voltage DC	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.92 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
λ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power 12 V (ta ≤ 60 °C)	180 W
Output power 12 V (ta > 60 °C)	126 W
Output power 24 V (ta ≤ 50 °C)	180 W
Output power 24 V (ta > 50 °C)	126 W
Output power range	18 – 180 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta (12 V)	-25 ... +70 °C
Ambient temperature ta (24 V)	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h) ①	-25 ... +45 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H for 12 V	280 x 64 x 31 mm
Dimensions L x W x H for 24 V	280 x 60 x 29 mm
Hole spacing D	253 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet
LCU 180W 12V TOP SR	**28000409**	1 pc(s).	1 pc(s).
LCU 180W 24V TOP SR	**28000414**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 180W 12V TOP SR	–	12 V	211 W	1.50 – 15.0 A	13.2 V
LCU 180W 24V TOP SR	–	24 V	211 W	0.75 – 7.5 A	25.2 V

① For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.
② At failure mode (230 V, 50 Hz).

IP66 SELV

NEW

TALEXconverter LC 60W 12/24V IP66 slim SNC

ESSENCE series

Product description

- Fixed output constant voltage built-in LED Driver in 12/24 V
- Input voltage range 220 – 240 VAC
- Max. output power 60 W
- Connection cable with stripped cable end (300 mm ±10 mm)
- IP66 metal casing
- Nominal life-time up to 30,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 3-year guarantee
- Complies with CLASS C from 70 to 100 % load according to EN 61000-3-2

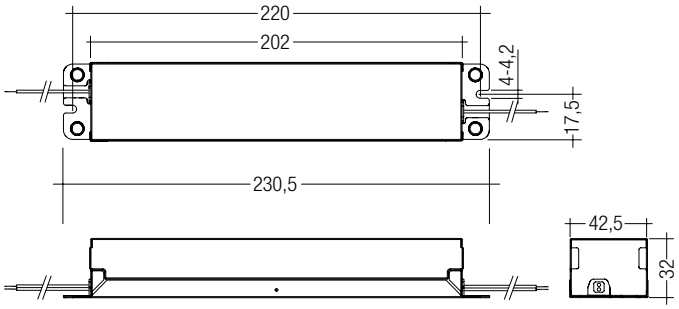
Properties

- Type of protection IP66
- Metal casing
- SELV
- Over temperature, over load and short-circuit protection

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.33 A
Mains frequency	50 / 60 Hz
Efficiency 12 V (at 230 V, 50 Hz, full load)	> 83 %
Efficiency 24 V (at 230 V, 50 Hz, full load)	> 85 %
λ (at 230 V, 50 Hz, full load)	> 0.93
Output voltage tolerance 12 V	0 / +10 %
Output voltage tolerance 24 V	-5 / +5 %
Output power	60 W
Output power range	5 – 60 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	–
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life time 30,000 h)	-25 ... +50 °C
Storage temperature ts	-25 ... +85 °C
Dimensions L x W x H	230.5 x 42.5 x 32 mm
Hole spacing D	220 mm

Ordering data

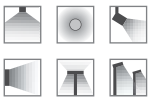
Type	Article number	Packaging, carton	Packaging, pallet
LC 60W 12V IP66 slim SNC	**28001026**	1 pc(s).	1 pc(s).
LC 60W 24V IP66 slim SNC	**28001028**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LC 60W 12V IP66 slim SNC	80 °C	12 V	73 W	0.4 – 5.0 A	13.2 V
LC 60W 24V IP66 slim SNC	70 °C	24 V	71 W	0.2 – 2.5 A	25.2 V

① At failure mode (230 V, 50 Hz).

IP66 SELV



NEW

TALEXconverter LC 100W 12/24V IP66 slim SNC

ESSENCE series

Product description

- Fixed output constant voltage built-in LED Driver in 12/24 V
- Input voltage range 220 – 240 VAC
- Max. output power 100 W
- Connection cable with stripped cable end (300 mm ±10 mm)
- IP66 metal casing
- Nominal life-time up to 30,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 3-year guarantee
- Complies with CLASS C from 70 to 100 % load according to EN 61000-3-2

Properties

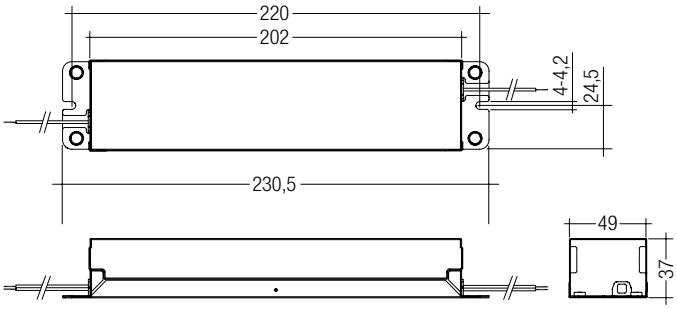
- Type of protection IP66
- Metal casing
- SELV
- Over temperature, over load and short-circuit protection

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.33 A
Mains frequency	50 / 60 Hz
Efficiency 12 V (at 230 V, 50 Hz, full load)	> 85 %
Efficiency 24 V (at 230 V, 50 Hz, full load)	> 86 %
λ (at 230 V, 50 Hz, full load)	> 0.93
Output voltage tolerance 12 V	0 / +10 %
Output voltage tolerance 24 V	-5 / +5 %
Output power	100 W
Output power range	10 – 100 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	–
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life time 30,000 h)	-25 ... +50 °C
Storage temperature ts	-25 ... +85 °C
Dimensions L x W x H	230.5 x 49 x 37 mm
Hole spacing D	220 mm

Ordering data

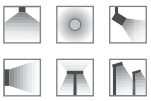
Type	Article number	Packaging, carton	Packaging, pallet
LC 100W 12V IP66 slim SNC	**28001027**	1 pc(s).	1 pc(s).
LC 100W 24V IP66 slim SNC	**28001029**	1 pc(s).	1 pc(s).

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LC 100W 12V IP66 slim SNC	80 °C	12 V	118 W	0.83 – 8.33 A	13.2 V
LC 100W 24V IP66 slim SNC	80 °C	24 V	117 W	0.41 – 4.17 A	25.2 V

① At failure mode (230 V, 50 Hz).

IP67 **SELV Class 2**



TALEXdriver LCU 15W 12V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

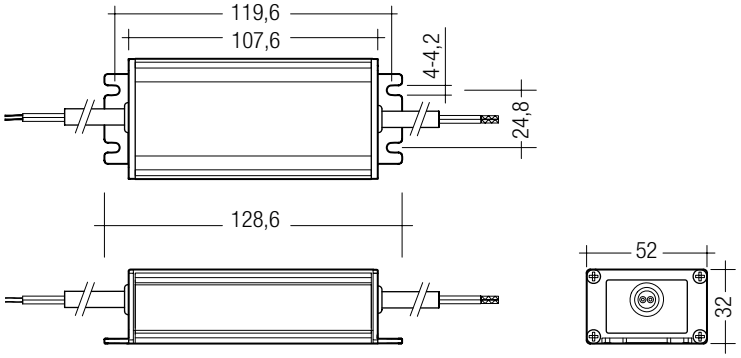
- High efficiency
- Low power loss
- Overtemperature protection
- Overload protection by restricting output
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Rated current (at 230 V, 50 Hz)	0.21 A
Mains frequency	50 / 60 Hz
Efficiency	> 75 %
λ (at 230 V, 50 Hz)	0.4
Output voltage tolerance	+ 10 %
Output power	15 W
Output power range	1 – 15 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	129 x 52 x 32 mm
Hole spacing D	120 mm

Ordering data

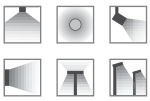
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 015/12 D010	**24166316**	20 pc(s).	800 pc(s).	0.4 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 015/12 D010	70 °C	12 V	18 W	0.08 – 1.25 A	13.2 V

① At failure mode (230 V, 50 Hz).

IP67 **SELV Class 2**



TALEXdriver LCU 35W 12V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

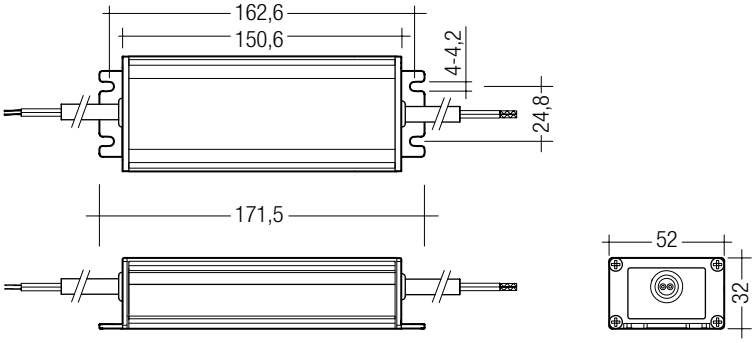
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC	120 – 240 V
Rated current (at 230 V, 50 Hz)	0.2 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 80 %
λ (at 230 V, 50 Hz)	> 0.91
Output voltage tolerance	+ 10 %
Output power	35 W
Output power range	3.5 – 35 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	172 x 52 x 32 mm
Hole spacing D	163 mm

Ordering data

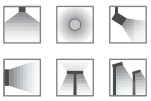
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 035/12 D010	**24166318**	20 pc(s).	600 pc(s).	0.55 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 035/12 D010	80 °C	12 V	42 W	0.25 – 2.91 A	13.2 V

① At failure mode (230 V, 50 Hz).

IP67 **SELV Class 2**



TALEXdriver LCU 60W 12/24V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 500 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

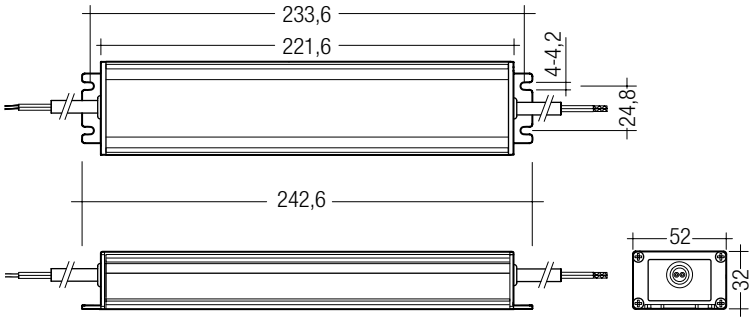
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Rated current (at 230 V, 50 Hz)	0.33 A
Mains frequency	50 / 60 Hz
Efficiency	> 80 %
λ (at 230 V, 50 Hz)	0.93
Output voltage tolerance	+ 10 %
Output power	60 W
Output power range	5 – 60 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	243 x 52 x 32 mm
Hole spacing D	234 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 060/12 D010	**24166322**	10 pc(s).	400 pc(s).	0.8 kg
LCU 060/24 D010	**22185184**	10 pc(s).	400 pc(s).	0.7 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 060/12 D010	85 °C	12 V	75 W	0.4 – 5.0 A	13.2 V
LCU 060/24 D010	70 °C	24 V	75 W	0.2 – 2.5 A	26.4 V

① At failure mode (230 V, 50 Hz).

IP67 SELV RoRoHS

TALEXdriver LCU 100W 12/24V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 2,000 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

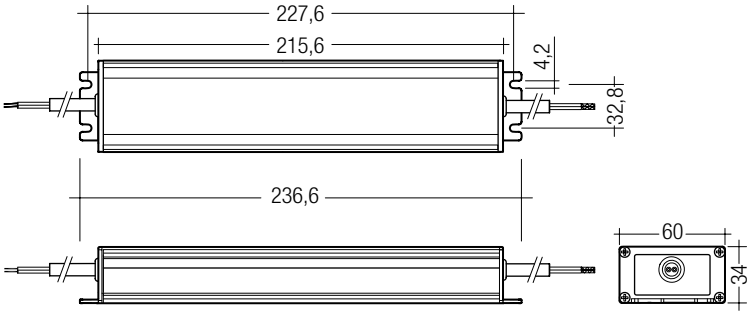
- High efficiency
- Low power loss
- Overtemperature protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Rated current (at 230 V, 50 Hz)	0.55 A
Mains frequency	50 / 60 Hz
Efficiency	> 85 %
λ (at 230 V, 50 Hz)	0.95
Output voltage tolerance	+ 10 %
Output power	100 W
Output power range	10 – 100 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	237 x 60 x 34 mm
Hole spacing D	228 mm

Ordering data

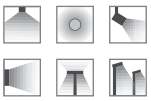
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 100/12 D010	**24166326**	10 pc(s).	300 pc(s).	1.2 kg
LCU 100/24 D010	**22185185**	6 pc(s).	300 pc(s).	1.4 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①
LCU 100/12 D010	85 °C	12 V	118 W	0.8 – 8 A	13.2 V
LCU 100/24 D010	65 °C	24 V	118 W	0.4 – 4 A	26.4 V

① At failure mode (230 V, 50 Hz).

IP67 SELV RoHS



TALEXdriver LCU 150W 12/24V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Connection: cable with end sleeves (length approx. 2,000 mm)
- Polarity identifiers, secondary + red / - black
- Metal casing, encapsulated
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

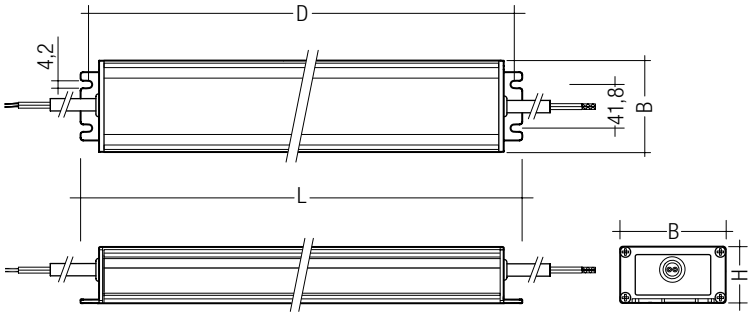
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67
- Metal casing

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Rated current (at 230 V, 50 Hz)	0.77 A
Mains frequency	50 / 60 Hz
Efficiency	> 88 %
λ (at 230 V, 50 Hz)	0.95
Output voltage tolerance	+ 10 %
Output power	150 W
Output power range	20 – 150 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 150/12 D010	**24166331**	6 pc(s).	192 pc(s).	1.6 kg
LCU 150/24 D010	**22185186**	6 pc(s).	144 pc(s).	1.7 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ①	Dimensions L x W x H	Hole spacing D
LCU 150/12 D010	85 °C	12 V	176 W	1.25 – 12.50 A	13.2 V	247 x 69 x 38 mm	137.6 mm
LCU 150/24 D010	70 °C	24 V	176 W	0.62 – 6.25 A	26.4 V	270 x 70 x 37 mm	257.0 mm

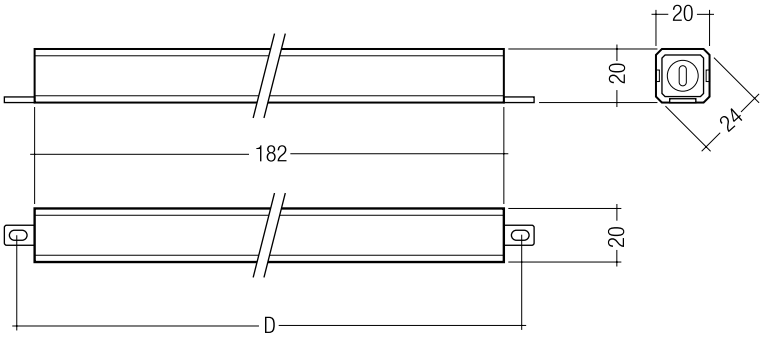
① At failure mode (230 V, 50 Hz).

IP 65 SELV RoHS

TALEXdriver LED 0010 K301 12/24V

LCU outdoor IP65





Product description

- Constant voltage LED Driver
- For TALEXmodule
- Short-circuit protection with automatic restart
- Overtemperature protection
- Overload protection by restricting output
- Constant output voltage
- Compact slimline casing
- Connection: cable with end sleeves (length approx. 150 mm)
- SELV
- Type of protection IP65
- Cross-section of primary side: 0.75 mm², secondary side: 0.5 mm²

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	230 – 240 V
Input voltage AC	200 – 254 V
Input voltage DC	200 – 240 V (160)
Rated current (at 230 V, 50 Hz)	0.085 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 80 %
Output power range	1 – 10 W
Ambient temperature ta	-20 ... +50 °C
Max. casing temperature tc	70 °C
Dimensions L x W x H	182 x 20 x 20 mm
Hole spacing D	194 mm

→

For standards see data sheet

Ordering data

Type	Article number	Output voltage	Packaging, carton	Weight per pc.
LED 0010 K301 230-240/12V 10VA	**86456206**	12 V	30 pc(s).	0.060 kg
LED 0010 K301 230-240/24V 10VA	**86456215**	24 V	30 pc(s).	0.061 kg

SELV RoHS

TALEXdriver 0010 K001 12/24V

LCU indoor IP20

Product description

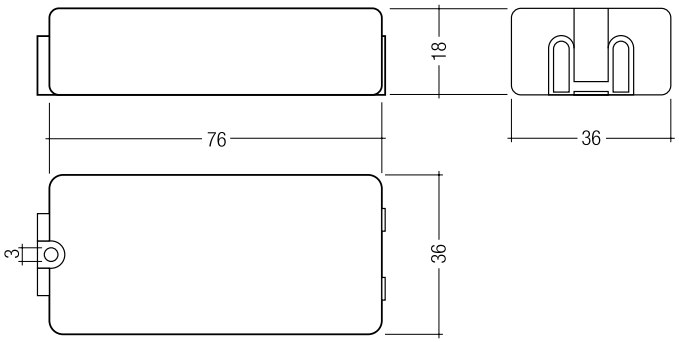
- Constant voltage LED Driver
- Constant output voltage

Properties

- Compact dimensions
- Overtemperature and overload protection with power regulation
- Short-circuit protection with automatic restart
- Type of protection IP20
- Casing: nylon natural white 66
- Connecting cable, supply side: H03VV-F, H05VV-F (length approx. 140 mm)
- Connection: cable with end sleeves (length approx. 200 mm)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 254 V
Input voltage DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 60 %
Ambient temperature ta	-25 ... +50 °C
Dimensions L x W x H	76 x 36 x 18 mm

→

For standards see data sheet

Ordering data

Type	Article number	Secondary voltage DC	Packaging, carton	Weight per pc.
0010 K001 12 V	**86453116**	12 V	40 pieces	0.048 kg
0010 K001 24 V	**86453122**	24 V	40 pieces	0.046 kg

Specific technical data

Type	Output power	Rated current (at 230 V, 50 Hz)	Max. casing temperature tc
0010 K001 12 V	1 – 10 W	93 mA	70 °C
0010 K001 24 V	1 – 10 W	95 mA	65 °C

SELV RoHS

TALEXdriver 0025 K201 24V

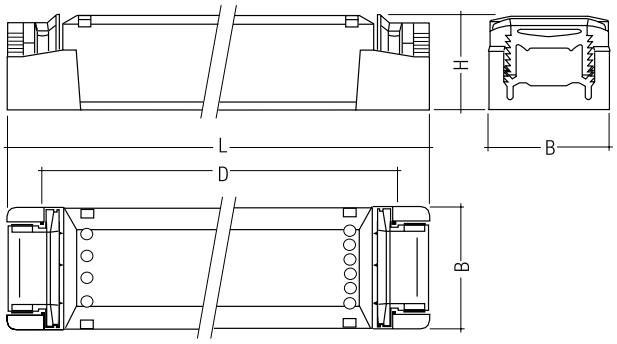
LCU indoor IP20

Product description

- Constant voltage LED Driver
- For TALEXmodule
- Short-circuit protection with automatic restart
- DC supply possible
- Cage-type screw terminal
- 6-pole terminal on secondary side
- Rapid installation of cable clamp and terminal cover, no tool required
- Cross-section of connecting cable: 2.5 mm²
- Connecting cable, supply side: H03VV-F, H05VV-F

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 254 V
Input voltage range DC ①	200 – 240 (160) V
Rated current (at 230 V, 50 Hz)	0.13 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 82 %
Max. input power	30 W
Output power	25 W
Ambient temperature ta	-25 ... +45 °C
Dimensions L x W x H	167 x 42 x 31 mm
Hole spacing D	143 – 148 mm

→

For standards see data sheet

Ordering data

Type	Article number	Secondary voltage DC	Packaging, carton	Weight per pc.
0025 K201 24 V	**28000849**	24 V	20 pieces	0.189 kg

① After power up with higher voltage, the device will work with a reduced voltage as specified above.

SELV RoHS

TALEXdriver 0025 K210 24V one4all

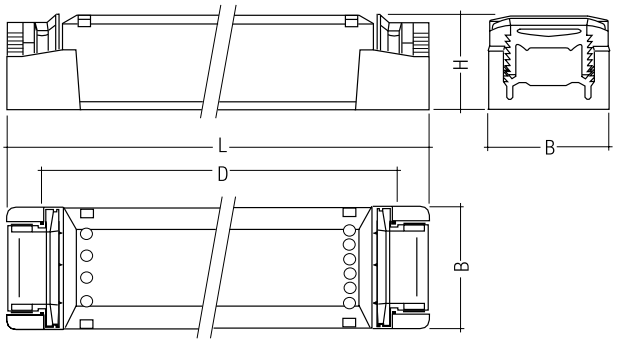
LCU indoor IP20

Product description

- 1-channel one4all LED Driver
- For 24 V LED modules
- Dimming range 1 to 100 %
- switchDIM-MEMORY
- Short-circuit protection with automatic restart
- DC supply possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Overtemperature protection
- 1 addressable and dimmable PWM output channel and 1 fixed 24 V output channel
- Cross-section of connecting cable: 2.5 mm²
- Connecting cable, supply side: H03VV-F, H05VV-F
- PWM signal output: 24 V DC
- Load range: 0.1 – 25 W

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	230 V
Input voltage AC	198 – 254 V
Input voltage range DC ①	200 – 240 (160) V
Rated current (at 230 V, 50 Hz)	0.13 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 82 %
Max. input power	31 W
Output power	25 W (max. sum of fixed and dimmable output)
PWM frequency	1 kHz
Dimming	DSI, DALI, switchDIM – single momentary-action switch
Ambient temperature ta	-25 ... +45 °C
Dimensions L x W x H	167 x 42 x 31 mm
Hole spacing D	143 – 148 mm

→

For standards see data sheet

Ordering data

Type	Article number	Secondary voltage DC	Packaging, carton	Weight per pc.
0025 K210 24 V	**28000858**	24 V	20 pieces	0.155 kg

① After power up with higher voltage, the device will work with a reduced voltage as specified above.

SELV RoHS

TALEXdriver 0025 K211 24V

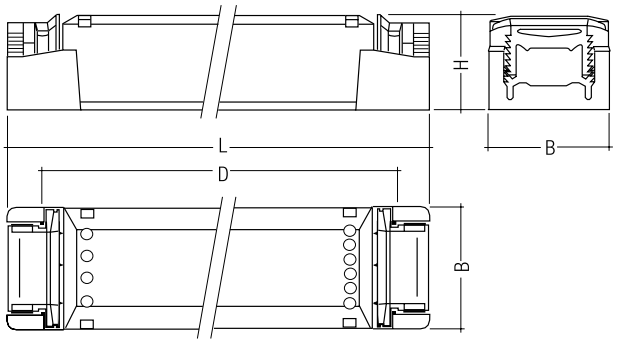
LCU indoor IP20

Product description

- 3-channel DALI dimming controller
- For 24 V LED modules
- Dimming range 0.1 to 100 %
- With integrated sequencer for standalone operation (factory default: activated)
- Overtemperature protection
- Short-circuit shutdown feature with automatic restart
- DC supply possible
- DALI control input
- 3 addressable output channels
- Cage-type screw terminal
- 6-pole terminal on secondary side
- Rapid installation of cable clamp and terminal cover, no tool required
- Cross-section of connecting cable: 2.5 mm²
- Connecting cable, supply side: H03VV-F, H05VV-F
- Load range: 0.1 – 25 W

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	230 V
Input voltage AC	198 – 254 V
Input voltage range DC ①	200 – 240 (160) V
Rated current (at 230 V, 50 Hz)	0.13 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	> 82 %
Max. input power	30 W
Output power	3 x 8 W
PWM frequency	125 Hz
Dimming	DALI
Ambient temperature ta	-25 ... +45 °C
Dimensions L x W x H	167 x 42 x 31 mm
Hole spacing D	143 – 148 mm

→

For standards see data sheet

Ordering data

Type	Article number	Secondary voltage DC	Packaging, carton	Weight per pc.
0025 K211 24 V	**28000852**	24 V	20 pieces	0.155 kg

① After power up with higher voltage, the device will work with a reduced voltage as specified above.

IP20 **SELV Class 2**

TALEXdriver LCU 35W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED Driver: suitable for emergency installations according to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

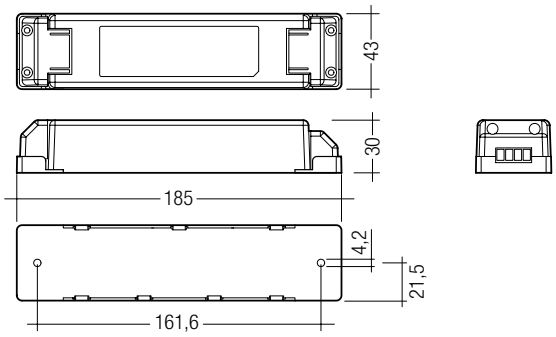
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC ①	120 – 288 V
Rated current (at 230 V, 50 Hz)	0.2 A
Mains frequency ①	0 / 50 / 60 Hz
Efficiency	> 80 %
λ (at 230 V, 50 Hz)	0.91
Output voltage tolerance	+ 10 %
Output power	35 W
Output power range	3 – 35 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	185 x 43 x 30 mm
Hole spacing D	162 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 035/12 E020	**24166319**	40 pc(s).	1,800 pc(s).	0.24 kg
LCU 035/24 E020	**24166320**	40 pc(s).	1,800 pc(s).	0.27 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 035/12 E020	75 °C	12 V	42 W	0.25 – 2.91 A	13.2 V
LCU 035/24 E020	75 °C	24 V	41 W	0.12 – 1.45 A	26.4 V

① DC operation only with 24 V LED Driver.
② At failure mode (230 V, 50 Hz).

IP20 **SELV Class 2**

TALEXdriver LCU 60W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED Driver: suitable for emergency installations according to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

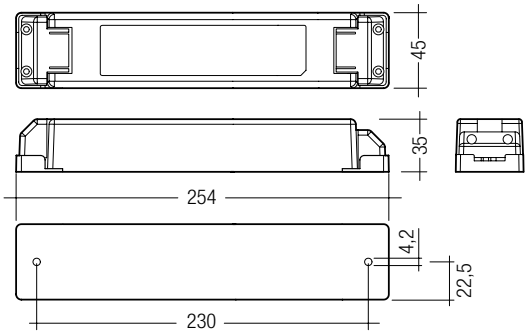
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC ①	120 – 288 V
Rated current (at 230 V, 50 Hz)	0.33 A
Mains frequency ①	0 / 50 / 60 Hz
Efficiency	> 80 %
λ (at 230 V, 50 Hz)	0.93
Output voltage tolerance	+ 10 %
Output power	60 W
Output power range	5 – 60 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	254 x 45 x 35 mm
Hole spacing D	230 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 060/12 E020	**24166323**	20 pc(s).	720 pc(s).	0.5 kg
LCU 060/24 E020	**24166324**	20 pc(s).	720 pc(s).	0.5 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 060/12 E020	75 °C	12 V	75 W	0.4 – 5.0 A	13.2 V
LCU 060/24 E020	75 °C	24 V	75 W	0.2 – 2.5 A	26.4 V

① DC operation only with 24 V LED Driver.
② At failure mode (230 V, 50 Hz).

IP20 SELV

TALEXdriver LCU 100W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED Driver: suitable for emergency installations according to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

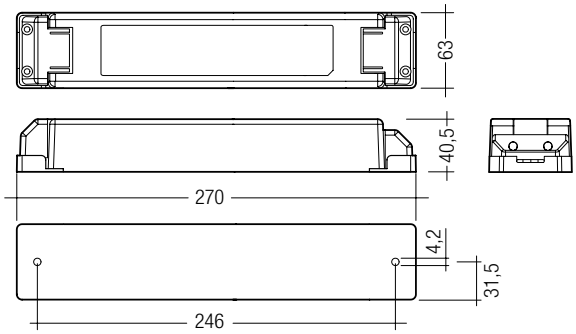
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC ①	120 – 288 V
Rated current (at 230 V, 50 Hz)	0.54 A
Mains frequency ①	0 / 50 / 60 Hz
Efficiency	> 85 %
λ (at 230 V, 50 Hz)	0.95
Output voltage tolerance	+ 10 %
Output power	100 W
Output power range	10 – 100 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	270 x 63 x 40.5 mm
Hole spacing D	246 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 100/12 E020	**24166327**	20 pc(s).	640 pc(s).	0.65 kg
LCU 100/24 E020	**24166328**	20 pc(s).	640 pc(s).	0.66 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 100/12 E020	80 °C	12 V	118 W	0.8 – 8 A	13.2 V
LCU 100/24 E020	80 °C	24 V	120 W	0.4 – 4 A	26.4 V

① DC operation only with 24 V LED Driver.
② At failure mode (230 V, 50 Hz).

IP20 SELV

TALEXdriver LCU 150W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED Driver
- Universal input voltage range
- Constant output voltage
- Nominal life-time up to 50,000 h (at ta 40 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED Driver: suitable for emergency installations according to EN 50172
- Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

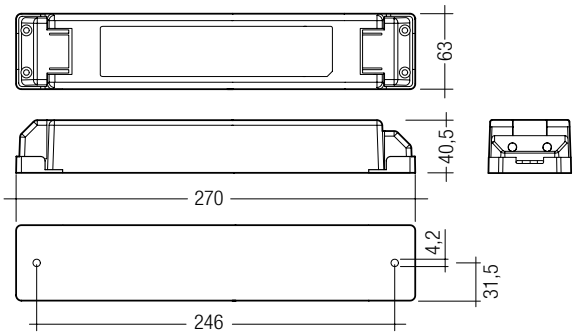
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- Protection class II, SELV
- Type of protection IP20
- Plastic casing white

→ For product data sheet go to www.tridonic.com, or available on request

For standards see data sheet





Technical data

Rated supply voltage	120 – 240 V
Input voltage AC	108 – 264 V
Input voltage DC ①	120 – 288 V
Rated current (at 230 V, 50 Hz)	0.77 A
Mains frequency ①	0 / 50 / 60 Hz
Efficiency	> 88 %
λ (at 230 V, 50 Hz)	0.95
Output voltage tolerance	+ 10 %
Output power	150 W
Output power range	20 – 150 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life-time 50,000 h)	-25 ... +40 °C
Storage temperature ts	-30 ... +85 °C
Dimensions L x W x H	270 x 63 x 40.5 mm
Hole spacing D	246 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 150/12 E020	**24166332**	20 pc(s).	640 pc(s).	0.8 kg
LCU 150/24 E020	**24166333**	20 pc(s).	640 pc(s).	0.8 kg

Specific technical data

Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 150/12 E020	80 °C	12 V	176 W	1.25 – 12.50 A	13.2 V
LCU 150/24 E020	90 °C	24 V	174 W	0.62 – 6.25 A	26.4 V

① DC operation only with 24 V LED Driver.
② At failure mode (230 V, 50 Hz).

RoHS

TALEXcontrol C350-2 4-channel

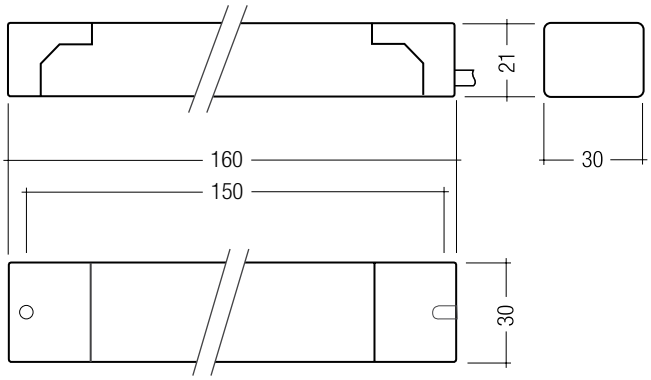
Dimmable

Product description

- 4-channel PWM dimmer
- For 350 mA LED modules
- Dimming range 1 to 100 %
- Suitable for combining with TALEXcontrol C002, TALEXdriver K210 and K211
- With integrated cable clamp and terminal cover
- High input voltage range
- Compact dimensions
- Precise load balancing per output channel
- Universal PWM control inputs
- 4 control inputs
- 350 mA PWM output signal
- Connecting cable, supply side: H03VV-F, H05VV-F

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Input voltage DC ①	24 – 48 V (SELV)
Max. supply current	1.5 A
Number of control inputs	4 x PWM
Input frequency	120 – 250 Hz
Control input, PWM voltage	18 – 24 V
Control input, max. signal level LOW	3 V
Control input, min. signal level HIGH	13 V
Control input, max. power draw at 24 V	2.4 mA
Number of output channels	4 (e.g. RGBA)
Output voltage range ②	3 – 43 V
Output voltage at 24 V ①	3 – 19 V (SELV)
Output voltage at 45 V ①	25 – 40 V (SELV)
Output voltage at 48 V ①	28 – 43 V (SELV)
Output frequency	120 – 250 Hz
Output, dimming range	1 – 100 %
Output current	0.35 A / channel
Max. cable length (LED Driver – LED module)	20 m
Ambient temperature ta	-20 ... +45 °C
Max. casing temperature	70 °C
Weight per pc.	0.15 kg

→

For standards see data sheet

Ordering data

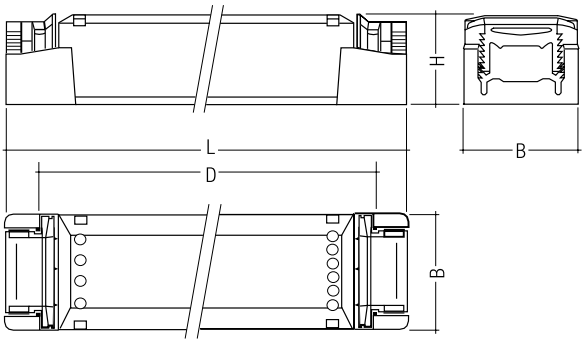
Type	Article number	Weight per pc.
C350-2 4-channel PWM dimmer	**86458693**	0.15 kg

① SELV to be provided by the LED Driver, e.g. TALEXdriver K211.
② Depends on supply voltage U_{in} and number of u modules (U_{LED} max. = U_{in} – 5 V).

RoHS

TALEXcontrol C001
Dimmable





Product description

- 3-channel PWM dimmer
- For RGB colour control of LED modules
- For 12 or 24 V DC LED modules
- Suitable for 1...10 V, potentiometer or PWM control
- Ideal for controlling LED objects with relatively high system output (max. 2 A / channel)
- With integrated cable clamp and terminal cover
- Inputs electrically insulated from the supply voltage and output section
- Reverse polarity protection
- Short-circuit and overcurrent protection for output channels
- Automatic shutdown on overheating
- 6-pole screw terminal on the primary side
- 4-pole screw terminal on the secondary side
- Rapid installation of the cable clamp, no tools required

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Input voltage DC ①	12 – 24 V (SELV)
Max. supply current	6 A
Number of control inputs	3 x 1...10 V, potentiometer or PWM electrically isolated
Control input analogue	1 ... 10 V
Control input, potentiometer ②	100 kΩ, linear
Control input, PWM voltage	12 – 24 V
Control input, polarity reversal protection	yes, reversible
Number of output channels	3 x PWM (RGB), 350 Hz
Output signal	PWM, 350 Hz
Output voltage range ①	12 – 24 V (SELV)
Output current	max. 2 A / channel
Output, overcurrent protection	yes
Output, short-circuit protection	yes, reversible
Ambient temperature ta	-25 ... 50 °C
Max. casing temperature	70 °C
Weight per pc.	0.2 kg
Dimensions L x W x H	167 x 42 x 31 mm
Hole spacing D	143 – 148 mm

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
C001 PWM dimmer	**86454974**	10 pc(s).	0.2 kg

① SELV to be provided by the LED Driver, e.g. TALEXdriver LCU 100 W.
② If several channels are controlled by a potentiometer the resistance value must be divided by the number of channels to be controlled.

RoHS

TALEXcontrol C002

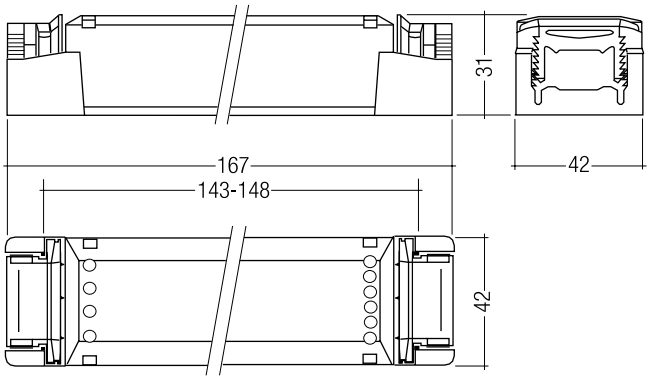
Dimmable

Product description

- 3-channel PWM sequencer
- For RGB colour control of LED modules
- For 12 or 24 V DC LED modules
- For monochrome or RGB modules
- With integrated cable clamp and terminal cover
- Short-circuit protection
- Protection against rapid transients, overvoltage and polarity reversal
- 4-pole screw terminal on the primary side
- 6-pole screw terminal on the secondary side
- Rapid installation of the cable clamp, no tools required

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Input voltage DC	12 – 24 V
Max. supply current	6 A
Control input analogue	1...10 V
Control input, potentiometer	100 kΩ, linear
Output + pole	–
Output, - pole red	2 A
Output, - pole green	2 A
Output, - pole blue	2 A
Output voltage range	12 – 24 V
Ambient temperature ta	0 ... +50 °C
Weight per pc.	0.084 kg

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
C002 PWM sequenzer	**86454968**	10 pc(s).	0.084 kg

CE RoHS

TALEXcontrol C003 DALI RGB

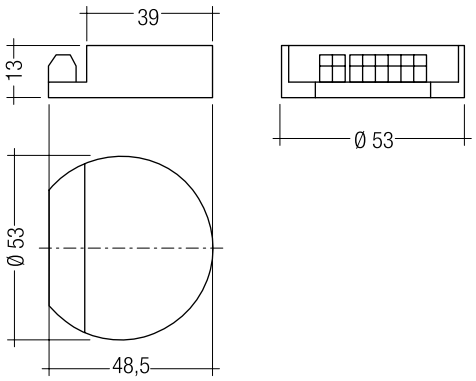
Dimmable

Product description

- 3-channel DALI dimming controller
- For 24 V LED modules
- With integrated sequencer for standalone operation (factory default: activated)
- Compact dimensions
- Short-circuit protection with automatic restart
- Overtemperature protection
- Screw terminal
- DALI control input
- 3 addressable output channels

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Input voltage DC ①	8 – 24 V (SELV)
Max. supply current	1.8 A
Power consumption	20 mA
Control input, interface, dimming	DALI
Control input, power draw	2 mA
Control input, polarity reversal protection	yes
Number of output channels	3 (RGB)
Output signal	PWM, 125 Hz
Output voltage range ①	8 – 24 V (SELV)
Output, dimming range	0.1 – 100 %
Output current	max. 0.6 A / channel
Output, overcurrent protection	yes
Output, short-circuit protection	yes, reversible
Output, overtemperature protection	yes
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature	65 °C
Weight per pc.	0.02 kg

→

For standards see data sheet

Ordering data

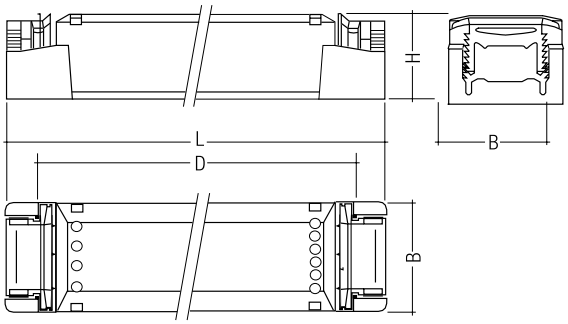
Type	Article number	Packaging, carton	Weight per pc.
C003 DALI RGB Controller	**28000863**	80 pc(s).	0.02 kg

① SELV to be provided by the LED Driver, e.g. TALEXdriver LCU 35 W.

TALEXcontrol C004

Dimmable





Product description

- 3-channel PWM booster
- For 12 or 24 V DC LED modules
- For monochrome or RGB modules
- Suitable for combining with TALEXcontrol C002, TALEXdriver K210 and K211
- Ideal for controlling LED objects with relatively high system output (max. 2 A / channel)
- With integrated cable clamp and terminal cover
- Inputs electrically insulated from the supply voltage and output section
- Reverse polarity protection
- Short-circuit and overcurrent protection for output channels
- Automatic shutdown on overheating
- 6-pole screw terminal on the primary side
- 4-pole screw terminal on the secondary side
- Rapid installation of the cable clamp, no tools required

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Input voltage DC ①	12 – 24 V (SELV)
Max. supply current	6 A
Number of control inputs	3 x PWM electrically isolated
Control input, PWM voltage	12 – 24 V
Control input, power draw	15 mA / channel
Control input, polarity reversal protection	yes, reversible
Number of output channels	3 x PWM (RGB)
Output voltage range ①	12 – 24 V (SELV)
Output current	max. 2 A / channel
Output, overcurrent protection	yes (2.8 A)
Output, short-circuit protection	yes, reversible
Ambient temperature ta	-25 ... +45 °C
Max. casing temperature	70 °C
Weight per pc.	0.1 kg
Dimensions L x W x H	167 x 42 x 31 mm
Hole spacing D	143 – 148 mm

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
C004 Booster (PWM)	**24138760**	10 pc(s).	0.1 kg

① SELV to be provided by the LED Driver, e.g. TALEXdriver LCU 100 W.

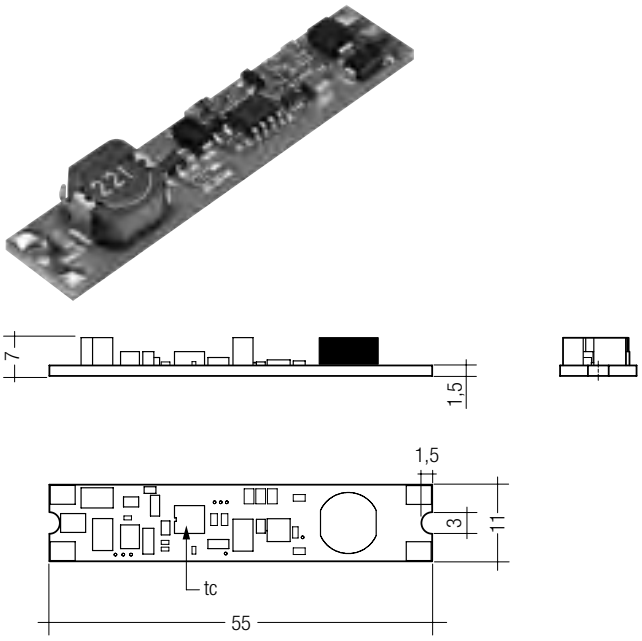
TALEXcontrol C350 dim

Dimmable

Product description

- Constant current LED Driver 350 mA for TALEXmodule EOS
- Dimming range 10 to 100 %
- Dimmable via momentary-action switch or potentiometer (designed for a 100 kΩ potentiometer) ①
- Step circuit
- Suitable for centrally supplied LED installations
- Slim compact design
- No-load and short-circuit protection (on the output side)
- Reverse polarity protection
- Connection: solder points
- Mounting with premounted thermally conductive adhesive tape
- Suitable for mounting on Tridonic profiles
- No overvoltage protection
- SELV

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Input voltage DC②	8 – 48 V
Efficiency② ③	> 85 %
Output voltage (U_{in} < 30 V)④	2.5 V until (U_{in} – 3 V)
Output voltage (U_{in} ≥ 30 V)④	5 V until (U_{in} – 3 V)
Max. power loss	1.6 W
Output current	350 mA ±10 %
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature	85 °C
Weight per pc.	0.004 kg
Dimensions L x W x H	55 x 11 x 7 mm

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
LED C350 12-48VDC 16VA dim	**28000884**	50 pc(s).	0.004 kg

① In momentary-action switch operation only one TALEXcontrol C350 dim per momentary-action switch is permitted.
② Output voltage depends on supply voltage and the number of conected TALEX modules (U_{in} – 3 V).
③ Efficiency depends on the load of the TALEXcontrol LED C350. Efficiency possible up to 95 %.
④ For more than 24 V a heat sink is required (e. g. Z201-2).

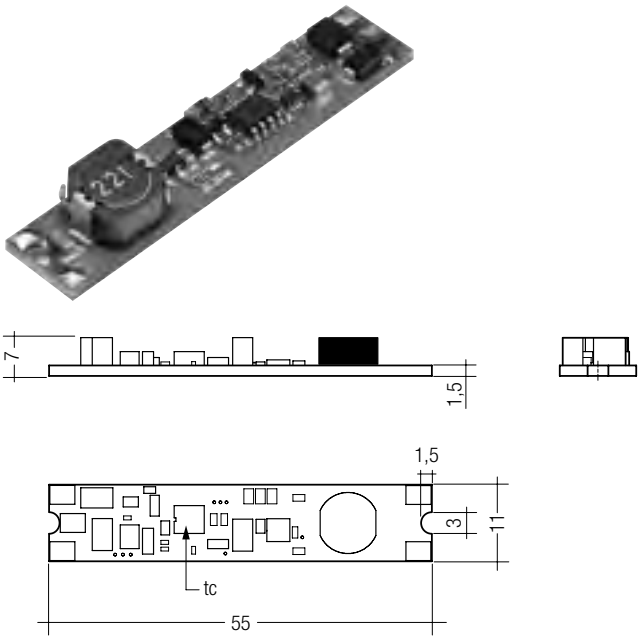
TALEXcontrol C700 dim

Dimmable

Product description

- Constant current LED Driver 700 mA for TALEXmodule EOS
- Dimming range 10 to 100 %
- Dimmable via momentary-action switch or potentiometer (designed for a 100 kΩ potentiometer)①
- Step circuit
- Suitable for centrally supplied LED installations
- Slim compact design
- No-load and short-circuit protection (on the output side)
- Reverse polarity protection
- Connection: solder points
- Mounting with premounted thermally conductive adhesive tape
- Suitable for mounting on Tridonic profiles
- No overvoltage protection
- SELV

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Input voltage DC②	8 – 48 V
Efficiency ② ③	> 85 %
Output voltage (U_{in} < 30 V) ④	2.5 V until (U_{in} – 3 V)
Output voltage (U_{in} ≥ 30 V) ④	5 V until (U_{in} – 3 V)
Max. power loss	1.6 W
Output current	700 mA ±10 %
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature	85 °C
Weight per pc.	0.004 kg
Dimensions L x W x H	55 x 11 x 7 mm

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
LED C700 12-48VDC 32VA dim	**86458945**	50 pc(s).	0.004 kg

① In momentary-action switch operation only one TALEXcontrol C700 dim per momentary-action switch is permitted.
② Output voltage depends on supply voltage and the number of conected TALEX modules (U_{in} – 3 V).
③ Efficiency depends on the load of the TALEXcontrol LED C700. Efficiency possible up to 95 %.
④ For more than 24 V a heat sink is required (e. g. Z201-2).

CE RoHS

TALEXcontrol C350-2 12–24V DC / 350mA 8VA

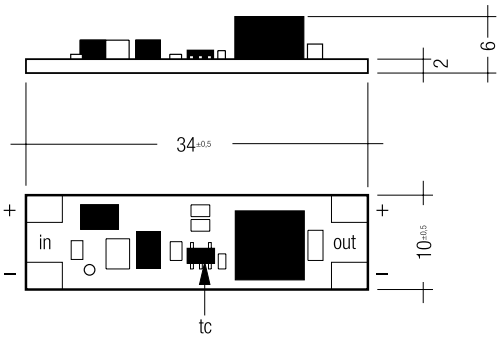
Fixed output

Product description

- Constant current LED Driver 350 mA for TALEXmodule EOS
- Suitable for centrally supplied LED installations
- Compact dimensions
- Simple installation thanks to pre-fitted adhesive tape
- No-load and overtemperature protection
- Connection: solder points
- Suitable for mounting on Tridonic profiles
- Mounting with premounted thermally conductive adhesive tape

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Input voltage DC	12 – 24 V
Max. input voltage DC	29 V
Efficiency	> 85 %
Output voltage①	max. 22 V (Uin – 2 V)
Output power	8 W
Max. power loss	0.65 W
Output current	0.35 A
Max. cable length (LED Driver – LED module)	20 m
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature	80 °C
Weight per pc.	0.004 kg
Dimensions L x W x H	34 x 10 x 6 mm

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
C350-2 12-24VDC	**28000872**	50 pc(s).	0.004 kg

① Output voltage depends on supply voltage and the number of conected TALEX-Module (U_{in} – 2 V).

CE RoHS

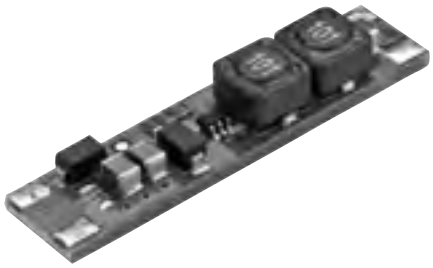
TALEXcontrol C700 12–24V DC / 700mA 16VA

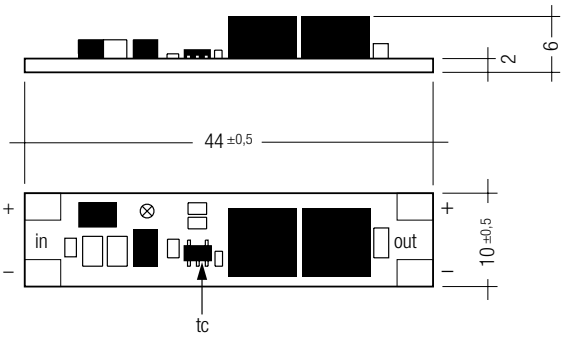
Fixed output

Product description

- Constant current LED Driver 700 mA for TALEXmodule EOS
- Suitable for centrally supplied LED installations
- Slim compact design
- No-load and overtemperature protection
- Connection: solder points
- Premounted thermally conductive adhesive tape
- Suitable for mounting on Tridonic profiles

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Input voltage DC	12 – 24 V
Max. input voltage DC	29 V
Efficiency	> 85 %
Output voltage ①	max. 22 V (U_{in} – 2 V)
Output power	16 W
Max. power loss	0.65 W
Output current	0.7 A
Max. cable length (LED Driver – LED module)	20 m
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature	80 °C
Weight per pc.	0.005 kg
Dimensions L x W x H	44 x 10 x 6 mm

→

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
C700 12-24VDC	**28000875**	50 pc(s).	0.005 kg

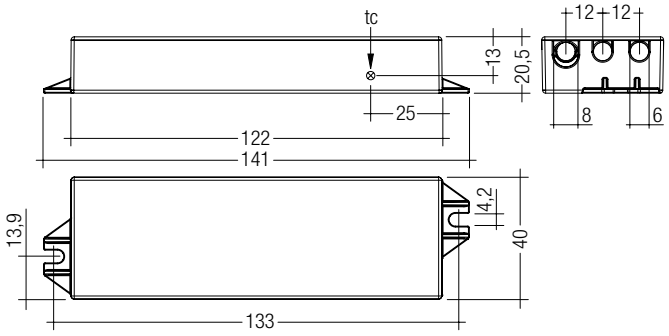
① Output voltage depends on supply voltage and the number of conected TALEX modules (U_{in} – 2 V).

IP67 SELV RoHS

TALEXcontrol LNU M 12–24V IP67 G1

Signage





Product description

- Constant voltage 3-channel PWM dimmer with adjustable, fully automatic or manual dimming
- For 12 or 24 V DC LED modules
- Integrated light sensor (twilightCONTROL) dims LED systems automatically to minimum necessary LED power according to ambient light situation
- switchDIM (with memory function)
- Individual adjustment of LED brightness to meet statutory requirements
- Approved as DARK SKY Friendly Device
- Protection class II
- switchDIM electrically insulated from input and output
- Reverse polarity protection on the input and output
- Short-circuit and overcurrent protection for output channels
- Automatic shutdown on overheating
- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, transparent (UV resistant)
- Nominal life-time of 50,000 h (at ta 55 °C with a failure rate ≤ 0.1 % per 1,000 h)
- Synchronisation with up to 19 TALEXcontrol LNU S possible
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Technical data

DC voltage input	12 / 24 V
Max. DC voltage range input	10 – 28 V
Max. supply current	15 A
Input reverse polarity protection	yes, reversible
AC voltage range switchDIM	90 – 277 V ± 10 %
Mains frequency switchDIM	0 / 50 / 60 Hz
Sync. short-circuit protection	yes, reversible
Sync. voltage output	9 V
Sync. voltage input	5 – 12 V
Sync. frequency	ca. 8 Hz (125 ms)
Number of output channels	3 x PWM
DC voltage output	12 / 24 V
Output current	max. 5 A / channel
Output, overcurrent protection	yes (6 A, -10 / +15 %)
Output, short-circuit protection	yes, reversible
PWM frequency	495 Hz
Voltage drop	max. 150 mV
Max. power loss ①	< 2.5 W
Stand-by losses ②	< 100 mW
Time to light	< 0.1 s
Turn off time	< 0.1 s
Hold on time	< 100 ms
Ambient temperature ta	-40 ... +60 °C
Storage temperature ts	-40 ... +85 °C
Max. casing temperature tc	70 °C
Dimensions L x W x H	141 x 40 x 20.5 mm
Hole spacing D	133 mm
Dimming range twilightCONTROL ③	0 – 98 %
Dimming range switchDIM	0 % / 0.1 – 100 %

Ordering data

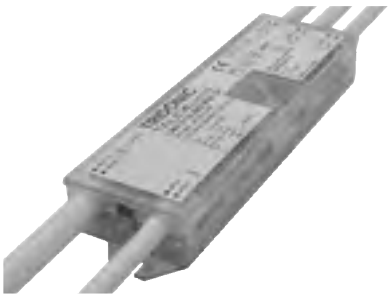
Type	Article number	Packaging	Packaging, carton	Weight per pc.
LNU M 12 – 24 V IP67 G1	**28000018**	1 piece	10 pc(s).	0.355 kg

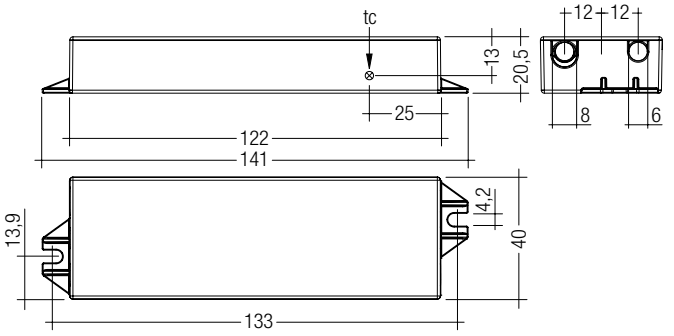
① At full load and 12 V: 3x5 A load at the output.
② No LNU S connected, no switchDIM activation. The power loss increases for every LNU S connected by around 30 mW at 12 V and around 50 mW at 24 V.
③ The maximum possible dimming value in twilightCONTROL depends on the LEDs used, the particular application and the sensitivity level.

IP67 SELV RoHS

TALEXcontrol LNU S 12–24V IP67 G1

Signage





Product description

- Constant voltage 3-channel PWM dimmer extension device for TALEXcontrol LNU M PWM dimmer
- For 12 or 24 V DC LED modules
- Sync. electrically insulated from the supply voltage and output
- Protection class II
- Reverse polarity protection
- Short-circuit and overcurrent protection for output channels
- Automatic shutdown on overheating
- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, transparent (UV resistant)
- Nominal life-time of 50,000 h (at ta 55 °C with a failure rate ≤ 0.1 % per 1,000 h)
- Synchronisation with TALEXcontrol LNU M required
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Technical data

DC voltage input	12 / 24 V
Max. DC voltage range input	10 – 28 V
Max. supply current	15 A
Input reverse polarity protection	yes, reversible
Sync. short-circuit protection	yes, reversible
Sync. voltage output	9 V
Sync. voltage input	5 – 12 V
Sync. frequency	ca. 8 Hz (125 ms)
Number of output channels	3 PWM
DC voltage range output	12 – 24 V
Output current	max. 5 A / channel
Output, overcurrent protection	yes (6 A)
Output, short-circuit protection	yes, reversible
PWM frequency	495 Hz
Voltage drop	max. 150 mV
Max. power loss ①	< 2.5 W
Stand-by losses	< 100 mW
Time to light	< 0.1 s
Turn off time	< 0.1 s
Hold on time	< 100 ms
Ambient temperature ta	-40 ... +60 °C
Storage temperature ts	-40 ... +85 °C
Max. casing temperature tc	70 °C
Dimensions L x W x H	141 x 40 x 20.5 mm
Hole spacing D	133 mm
Dimming range twilightCONTROL ②	0 – 98 %
Dimming range switchDIM ②	0 % / 0.1 – 100 %

Ordering data

Type	Article number	Packaging	Packaging, carton	Weight per pc.
LNU S 12-24 V IP67 G1	**28000050**	1 pieces	10 pc(s).	0.357 kg

① At full load and 12 V: 3x5 A load at the output.
② Die Erweiterungsgeräte werden vom LNU M, dem Mastergerät über die Synchronisationsleitung gesteuert.

CE RoHS

TALEXcontrol LNU I IP20 G1

Signage

Product description

- Service device for programming of TALEXcontrol LNU M and LNU S
- USB connector
- Cable length 500 mm
- Terminals for connecting the sync line of the TALEXcontrol LNU M and LNU S
- Casing: polycarbonate, transparent (UV resistant)
- LNU configurator
- 5-year guarantee

Functions

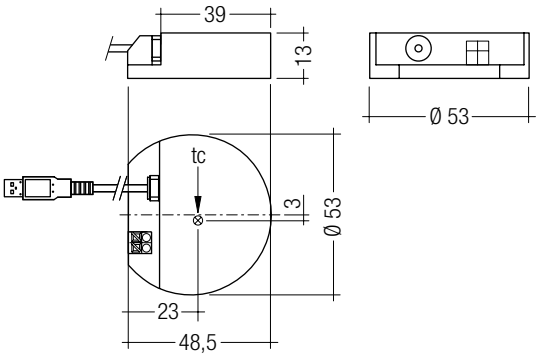
- Change in the ambient brightness response, free programming of dimming curve
- Individual dimming settings
- Readout of the device settings og LNU M
- Predefinition of switchDIM settings and the switchDIM memory level
- Update of firmware LNU M and LNU S
- Update to customer specific firmware

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet





Technical data

Current consumption USB	50 mA
Voltage USB	5 V
Sync. short-circuit protection	yes, reversible
Sync. reverse polarity protection	yes, reversible
Ambient temperature ta	0 ... +50 °C
Storage temperature ts	-30 ... +85 °C
Max. casing temperature tc	50 °C
Dimensions L x W x H	48.5 x 53 x 13 mm

Ordering data

Type	Article number	Packaging	Packaging, carton	Weight per pc.
LNU I IP20 G1	**28000163**	1 pieces	10 pc(s).	0.042 kg

Product overview LED compact



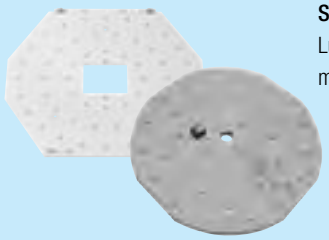
STARK DLE
Luminaire type: Downlights

Available in PREMIUM and CLASSIC versions
- High colour rendering quality and colour stability (CRI > 80)
- Luminous flux values of 1,100; 2,000 and 3,000 lm
- Tunable white with CRI > 90 from 2,700 to 6,500 K for the PREMIUM module
- Low colour temperature tolerances



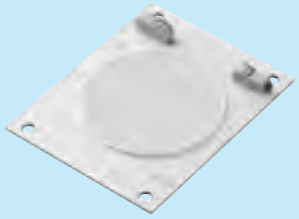
STARK SLE
Luminaire type: Spotlights, downlights, recessed floor & wallmounted luminaires, street lanterns

The best light whatever the need
- High module and system efficiencies
- Luminous flux range from 610 to 6,300 lm
- CLASSIC (CRI > 80), SELECT (CRI > 90), PREMIUM (CRI > 90) with tunable white from 2,700 to 6,500 K
- Longer life-time L90 50,000 h and greater light output
- Also available for special applications with special spectra, e.g.: SLE FOOD or FASHION for merchandise presentation, SLE ART with Full Spectrum Technology and CRI = 98
- High-power LED in Chip-On-Board technology (COB)



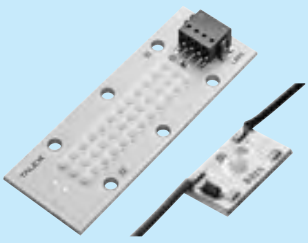
STARK CLE
Luminaire type: Recessed floor & wall-mounted luminaires

Replacement for circular and TC-DD fluorescent lamps
- Uniform illumination with no shadow effects
- Luminous flux range from 1,300 to 3,900 lm
- With integrated emergency lighting function and SWITCH sensor (SO version)
- Self-cooling (no additional heat sink required)
- High colour rendering index (CRI > 80)



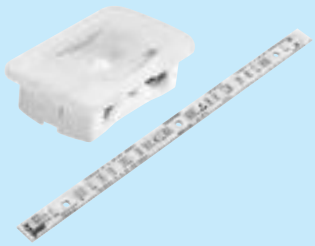
STARK FLE
Luminaire type: Spotlights, high bay luminaires, hall spotlights

For use in spotlights
- High module efficiency and colour consistency
- Flexible operating mode
- Luminous flux range from 8,000 to 22,300 lm
- Uniform emission thanks to Dam&Fill technology



EOS
Luminaire type: Spotlights, downlights, recessed floor & wallmounted luminaires, street lanterns

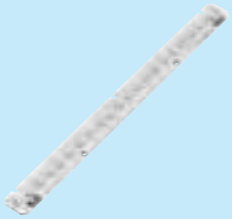
LED modules for many different applications
- COB individual light point modules for flexible use in general illumination, e.g. emergency lighting, designer lighting or effect lighting
- High-flux LEDs in Chip-On-Board (COB) technology offer high efficiency and maximum luminance
- Lenses available as accessories



EMERGENCY
Luminaire type: Emergency lighting

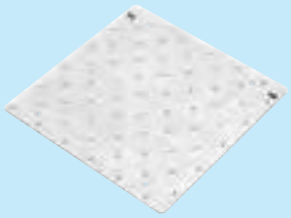
LED modules for emergency lighting applications
- LED modules for escape route emergency lighting, anti-panic emergency lighting or escape route signs
- High-power LED in Chip-On-Board technology (COB)
- Compatible with EM powerLED

Product overview LED linear / area



STARK LLE
Luminaire type: Linear luminaires (in-built, remote, pendant), recessed floor & wallmounted luminaires, free-standing luminaires

Ideal for linear and area luminaires
- LED system solution with excellent system efficiency
- Dimensions 280 / 560 x 24 mm
- Luminous flux values of 650; 1,300 and 2,000 lm
- Perfectly uniform light even if up to 11 LED modules are connected to an LED Driver
- High colour rendering index CRI > 80; 3,000 and 4,000 K
- Narrow luminous flux tolerances



STARK QLE
Luminaire type: Wide-area luminaires (in-built, remote, pendant), recessed floor & wallmounted luminaires, free-standing luminaires

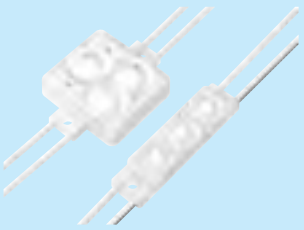
Ideal for linear and area luminaires
- LED system solution with excellent system efficiency
- Dimensions 250 x 250 / 270 x 270 mm
- Luminous flux 1,300 lm
- Perfectly uniform light even if several LED modules are arranged one after the other
- High colour rendering index CRI > 80; 3,000 and 4,000 K
- Self-cooling (no additional heat sink required)



STARK QLE lens
Luminaire type: Wide-area luminaires (in-built, remote, pendant), recessed floor & wallmounted luminaires, free-standing luminaires

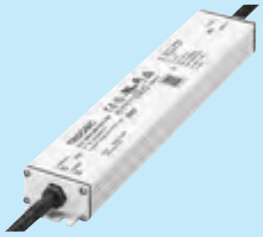
Ideal for linear and area luminaires
- Cost-effective LED system solution with integrated optics
- Dimensions 270 x 261 mm
- Luminous flux range from 1.130 to 1.210 lm
- Perfectly uniform light even if several LED modules are arranged one after the other
- High colour rendering index CRI > 80; 3,000 and 4,000 K
- Self-cooling (no additional heat sink required)

Product overview LED Signage



TALEXchain P541, P551, P561 G1 EXCITE
Luminaire type: Illuminated lettering, light box standard

LED chain for highlighting lines and edges and for backlighting letters and areas
- Greater homogeneity, fewer modules
- 155° emission characteristic
- Narrow white light tolerance (MacAdam 5)
- Small and robust – IP 68
- Extremely flexible
- Five-year guarantee



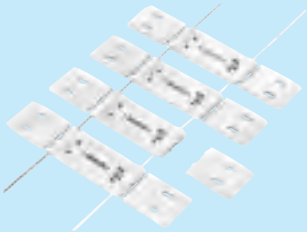
TALEXdriver LCU G2 IP67 EXCITE
Constant current LED Driver

Slim IP67 outdoor LED Driver for constant voltage
- Small dimensions
- Temperature range: -40 to +70°C
- Wide input voltage range from 90 to 305 V AC
- Guarantee: 5 years / 50,000 hours



TALEXchain P571 G1 EXCITE
Luminaire type: Light box standard

Flexible, high-intensity modules for side injection
- Special optics with 12 / 103° emission characteristic
- High luminous flux
- Quick and easy to install
- Robust IP68 design



TALEXpanel P581 G1 EXCITE
Luminaire type: Light box slim, light box standard

Ideal for backlighting slim light boxes
- Ideal for slim light boxes with mounting depths from 30 mm
- Quick and easy to install
- Unique construction for maximum freedom of design
- Highly efficient 24 V DC module

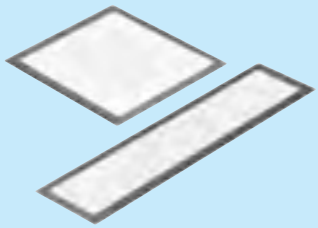
Product overview OLED



OLEDmodule LUREON REP
Luminaire type: Wall luminaires, free-standing luminaires, widearea luminaires (in-built, remote, pendant), design luminaires

Efficient OLEDs for professional lighting applications
Maximum performance combined with efficient and unique light: LUREON REP provides an entry point for organic light in high-performance lighting applications.

At a glance:
- Efficient OLED modules with > 50 lm/W
- Different shapes allow an individual implementation of lighting applications
- Excellent colour rendering (CRI with > 90)
- Dimmable neutral white light with 4,000 K (optional with 3,000 K)
- Uniform glare-free area light
- High specific light emission of up to 12,000 lm/m^2
- Extremely low profile design (< 3 mm)
- White diffused surface for a uniform and neutral appearance
- Small colour angle shift (x, y ≤ 0.005)
- Small colour tolerance (MacAdam 4)
- Maximum exploitation of the illuminated surface
- Adaptive driver system available
- Robust PCB contacts



OLEDmodule LUREON REM
Luminaire type: Wall luminaires, free-standing luminaires, widearea luminaires (in-built, remote, pendant), design luminaires

Low profile for design freedom and ease of handling
The dimmable modules in the LUREON REM product series are characterised by an extremely low profile. The benefits of OLEDs are apparent in stylish designer luminaires or unobtrusive area light sources.

At a glance:
- Different lighting formats with a simple connection for flexible module arrangements
- Excellent colour rendering (CRI > 80)
- Dimmable warm white light with 3,000 K
- Uniform glare-free area light
- High system efficacy of 40 lm/W
- High specific light emission of 9,000 lm/m^2
- Extremely low profile design (< 2.5 mm)
- White diffused surface for a uniform and neutral appearance
- Adaptive driver system available
- Robust metal backplane for improved heat contact

OLEDmodule LUREON REM
Luminaire type: Wall luminaires, free-standing luminaires, widearea luminaires (in-built, remote, pendant), design luminaires

Pure light for unlimited lighting applications
Surface lighting, integrated in a glare-free manner into an edgeless lighting module: The LUREON PURE system provides innovative design and area lightings of an almost floating airiness.

At a glance:
- Pure, edgeless and homogeneous luminous field
- Low luminance reduction to the edge
- Efficient OLED modules with > 40 lm/W
- Excellent colour rendering (CRI > 90)
- Dimmable neutral white light with 4,000 K
- Glare-free area light
- High specific light emission of up to 12,000 lm/m^2
- Low profile design (~6 mm)
- Small colour angle shift (x, y ≤ 0.005)
- Small colour tolerance (MacAdam 4)
- Adaptive driver system available

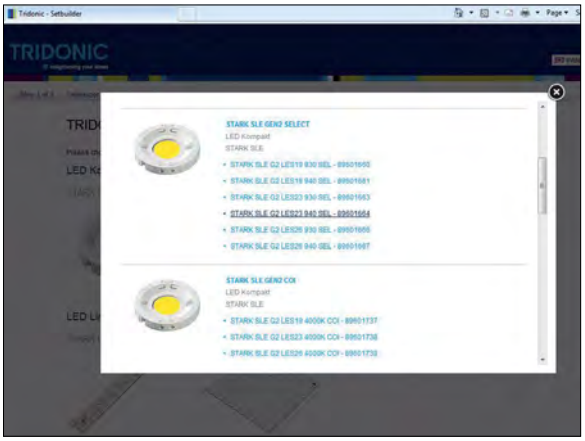
TRIDONIC Setbuilder

With three steps to the appropiate LED system

The Setbuilder service supports you to find suitable LED Driver for TRIDONIC LED modules. You can use the web tool via the link **www.tridonic.com/setbuilder**. Here TRIDONIC offers an offline version for downloading too.
Additionally the Setbuilder is available within the website **www.tridonic.com**.

Use the following website starting points to run the Setbuilder:

- Setbuilder link on the front page in the “Recommended links” box
- Setbuilder button within the navigation in the area “LED light engine / OLED”
- Setbuilder tab on each LED module product page

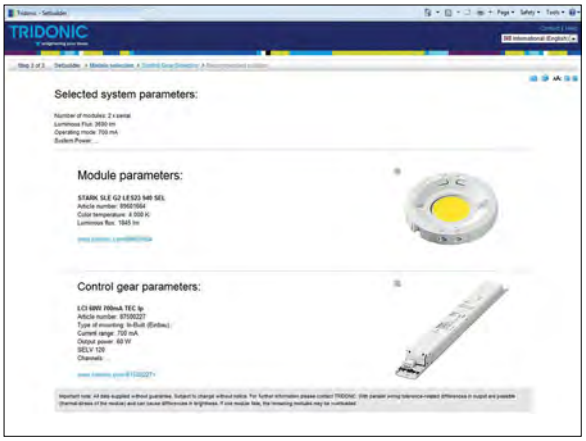


Follow the instructions for the appropriate system:

1 Select a module from the TRIDONIC LED portfolio.



2 Determine the requirements of the LED Driver.
Select the appropriate device from the table.



3 The “Recommended solution” screen shows your system and components parameters. Use the mail or print function or jump back to step 2 for a change of the set conditions to adjust the result according to your wishes.

NEW

TALEXready2apply DLA G1 SNC

TALEXready2apply DLA

Product description

- Downlight module suitable for direct installation in ceilings (ready2apply)
- Module with integrated electronics and heatsink
- Light engine operating with 230 V AC
- Typ. luminous flux category: 1,000 / 2,000 lm
- High system efficacy up to 90 lm/W at tp = 65 °C
- Optional reflector solution with 60° and 90°
- Small colour tolerance MacAdam 4
- Nominal life-time 30,000 h (L70/B50)
- 3-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

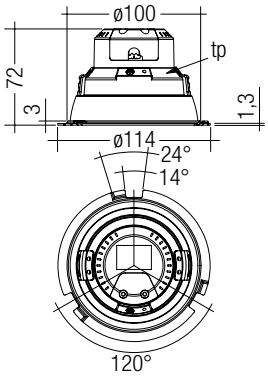
Rated supply voltage	220 – 240 V
Input voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. λ	0.9
THD	< 20 %
Beam characteristic (with reflector)	110° (60°/90°)
Ambient temperature ta	-20 ... +40 °C
Typ. tp temperature ①	65 °C
Max. tp temperature (100 mm) ①	75 °C
Max. tp temperature (150 mm) ①	85 °C
Risk group (EN 62471:2008)	0
Type of protection	IP20

→

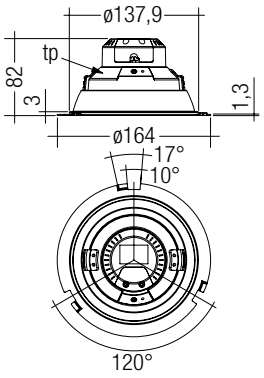
For standards see data sheet

For colour temperatures and tolerances see data sheet





DLA G1 100mm 1000lm 8x0 R SNC



DLA G1 150mm 2000lm 8x0 R SNC

Ordering data

Type	Article number	Colour temperature	Casing	Packaging	Weight per pc.
DLA G1 100mm 1000lm 830 R SNC	**23000101**	3,000 K	yes	36 pc(s).	0.040 kg
DLA G1 100mm 1000lm 840 R SNC	**23000102**	4,000 K	yes	36 pc(s).	0.040 kg
DLA G1 150mm 2000lm 830 R SNC	**23000103**	3,000 K	yes	36 pc(s).	0.085 kg
DLA G1 150mm 2000lm 840 R SNC	**23000104**	4,000 K	yes	36 pc(s).	0.085 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 65 °C ②	Luminous flux with 60°/90° reflector at tp = 65 °C ②	Input power ③	Luminous efficacy at tp = 65 °C	Luminous efficacy with 60°/90° reflector at tp = 65 °C	Colour rendering index CRI
DLA G1 100mm 1000LM 830 R SNC	830/459	1,000 lm	1,020 lm	11.6 W	86 lm/W	88 lm/W	80
DLA G1 100mm 1000LM 840 R SNC	840/459	1,050 lm	1,070 lm	11.6 W	90 lm/W	92 lm/W	80
DLA G1 150mm 2000LM 830 R SNC	830/459	2,000 lm	2,040 lm	22.7 W	88 lm/W	90 lm/W	80
DLA G1 150mm 2000LM 840 R SNC	840/459	2,100 lm	2,140 lm	22.7 W	92 lm/W	94 lm/W	80

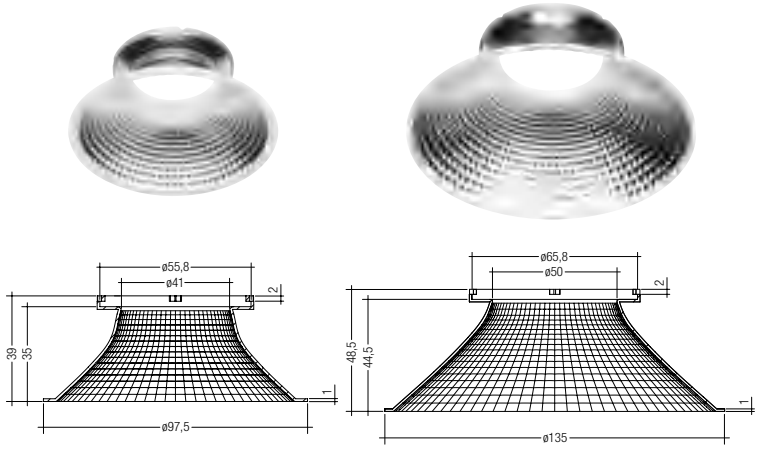
① If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the TALEXready2apply at the tp-point is to be measured in the thermally stable state with a temperature sensor or or temperature-sensitive sticker as per EN 60598-1. For the precise position of the tp point see the drawing on data sheet.
② Tolerance range for optical data: ±10 %.
③ All values at tp = 65 °C.

ACCES-SORIES

ACD REFLECTOR

Product description

- Reflector for DLA modules with 60° or 90°



ACD REFLECTOR 100mm

ACD REFLECTOR 150mm

Ordering data

Type	Article number	Diameter	Packaging	Weight per pc.
ACD REFLECTOR 100mm 60 D	**28001094**	100 mm	36 pc(s).	0.02 kg
ACD REFLECTOR 100mm 90 D	**28001095**	100 mm	36 pc(s).	0.02 kg
ACD REFLECTOR 150mm 60 D	**28001096**	150 mm	36 pc(s).	0.05 kg
ACD REFLECTOR 150mm 90 D	**28001097**	150 mm	36 pc(s).	0.05 kg

NEW

TALEXmodule DLE G3 ADVANCED

TALEXmodule DLE

Product description

- For downlights
- Luminous flux range from 1,100 – 3,680 lm
- High efficacy up to 155 lm/W for the LED module
- High system efficacy up to 140 lm/W at tp = 65 °C
- BLO mode: Best LED Operation for optimum operation and constant luminous flux at all colour temperatures in combination with Tridonic LED Driver of TOP and ECO series
- High colour consistency (MacAdam 3)
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required
- Flexible operating mode

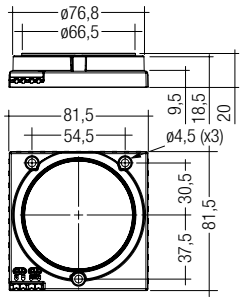
→ For product data sheet go to www.tridonic.com, or available on request



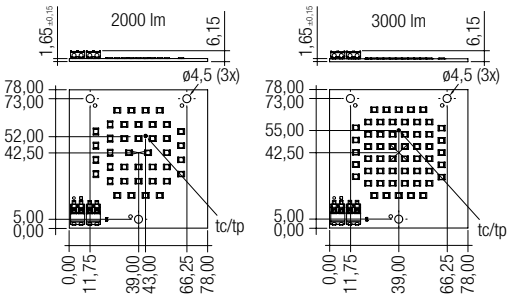
With housing



Without housing



With housing



Without housing – Dimensions in mm

Technical data

Beam characteristic with housing	80°
Beam characteristic without housing	120°
Ambient temperature ta	-25 ... +55 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 85 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Packaging, carton	Weight per pc.
DLE G3 65mm 2000lm 830 R ADV	**89602107**	3,000 K	no	30 pc(s).	0.029 kg
DLE G3 65mm 2000lm 840 R ADV	**89602108**	4,000 K	no	30 pc(s).	0.029 kg
DLE G3 65mm 3000lm 830 R ADV	**89602109**	3,000 K	no	30 pc(s).	0.029 kg
DLE G3 65mm 3000lm 840 R ADV	**89602110**	4,000 K	no	30 pc(s).	0.029 kg
DLE G3 65mm 2000lm 830 H ADV	**89602111**	3,000 K	yes	10 pc(s).	0.060 kg
DLE G3 65mm 2000lm 840 H ADV	**89602112**	4,000 K	yes	10 pc(s).	0.060 kg
DLE G3 65mm 3000lm 830 H ADV	**89602113**	3,000 K	yes	10 pc(s).	0.060 kg
DLE G3 65mm 3000lm 840 H ADV	**89602114**	4,000 K	yes	10 pc(s).	0.060 kg

Specific technical data

Type ②	Photometric code	Forward current ③④⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⑧	Colour rendering index CRI	Energy classification
DLE G3 65mm 2000lm – Module without housing – Operating mode HE												
DLE G3 65mm 2000lm 830 R ADV	830/359	400 mA	1,330 lm	1,260 lm	8.8 W	21.6 V	24.1 V	145 lm/W	143 lm/W	129 lm/W	80	A++
DLE G3 65mm 2000lm 840 R ADV	840/359	375 mA	1,360 lm	1,290 lm	8.3 W	21.5 V	24.0 V	158 lm/W	155 lm/W	140 lm/W	80	A++
DLE G3 65mm 2000lm – Module without housing – Operating mode BLO and HO												
DLE G3 65mm 2000lm 830 R ADV	830/359	750 mA	2,400 lm	2,300 lm	17.6 W	22.5 V	25.2 V	133 lm/W	131 lm/W	118 lm/W	80	A+
DLE G3 65mm 2000lm 840 R ADV	840/359	700 mA	2,460 lm	2,340 lm	16.3 W	22.4 V	25.0 V	146 lm/W	144 lm/W	130 lm/W	80	A++
DLE G3 65mm 3000lm – Module without housing – Operating mode HE												
DLE G3 65mm 3000lm 830 R ADV	830/359	450 mA	2,580 lm	2,440 lm	17.9 W	38.2 V	42.8 V	140 lm/W	136 lm/W	123 lm/W	80	A++
DLE G3 65mm 3000lm 840 R ADV	840/359	400 mA	2,510 lm	2,380 lm	15.8 W	37.9 V	42.3 V	154 lm/W	151 lm/W	136 lm/W	80	A++
DLE G3 65mm 3000lm – Module without housing – Operating mode BLO and HO												
DLE G3 65mm 3000lm 830 R ADV	830/359	650 mA	3,630 lm	3,450 lm	27.0 W	39.8 V	44.5 V	131 lm/W	128 lm/W	115 lm/W	80	A+
DLE G3 65mm 3000lm 840 R ADV	840/359	600 mA	3,680 lm	3,490 lm	24.7 W	39.5 V	44.1 V	145 lm/W	141 lm/W	127 lm/W	80	A++
DLE G3 65mm 2000lm – Module with housing – Operating mode HE												
DLE G3 65mm 2000lm 830 H ADV	830/359	400 mA	1,150 lm	1,100 lm	8.8 W	21.6 V	24.1 V	125 lm/W	125 lm/W	113 lm/W	80	A+
DLE G3 65mm 2000lm 840 H ADV	840/359	375 mA	1,170 lm	1,100 lm	8.3 W	21.5 V	24.0 V	136 lm/W	133 lm/W	119 lm/W	80	A++

Specific technical data

Type ②	Photo-metric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consump-tion ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⑧	Colour rendering index CRI	Energy classifica-tion
DLE G3 65mm 2000lm – Module with housing – Operating mode BLO and HO												
DLE G3 65mm 2000lm 830 H ADV	830/359	750 mA	2,070 lm	2,000 lm	17.6 W	22.5 V	25.2 V	114 lm/W	113 lm/W	103 lm/W	80	A+
DLE G3 65mm 2000lm 840 H ADV	840/359	700 mA	2,120 lm	2,000 lm	16.3 W	22.4 V	25.0 V	126 lm/W	123 lm/W	111 lm/W	80	A+
DLE G3 65mm 3000lm – Module with housing – Operating mode HE												
DLE G3 65mm 3000lm 830 H ADV	830/359	450 mA	2,220 lm	2,100 lm	17.9 W	38.2 V	42.8 V	121 lm/W	117 lm/W	106 lm/W	80	A+
DLE G3 65mm 3000lm 840 H ADV	840/359	400 mA	2,160 lm	2,050 lm	15.8 W	37.9 V	42.3 V	133 lm/W	130 lm/W	117 lm/W	80	A+
DLE G3 65mm 3000lm – Module with housing – Operating mode BLO and HO												
DLE G3 65mm 3000lm 830 H ADV	830/359	650 mA	3,120 lm	3,000 lm	27.0 W	39.8 V	44.5 V	112 lm/W	111 lm/W	100 lm/W	80	A+
DLE G3 65mm 3000lm 840 H ADV	840/359	600 mA	3,160 lm	3,000 lm	24.7 W	39.5 V	44.1 V	124 lm/W	121 lm/W	109 lm/W	80	A+

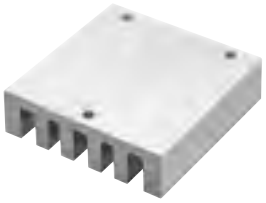
① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
② HE ... high efficiency, BLO ... best lamp operation, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for DLE G3 65mm 2000lm: 3 A, duration max. 10 µs.
Max. permissible surge current for DLE G3 65mm 3000lm: 2.4 A, duration max. 10 µs.
⑤ Max. permissible repetitive peak current for DLE G3 65mm 2000lm: 1.5 A.
Max. permissible repetitive peak current for DLE G3 65mm 3000lm: 1.2 A.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

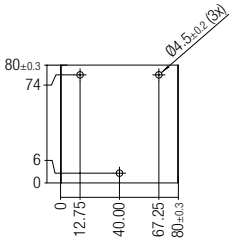
ACCES-SORIES

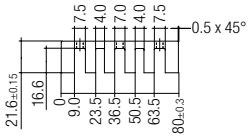
DLE GEN2 Adapter

Product description

- The adapter plate does not replace a heat sink







Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DLE G2 Adapter	**28000420**	1 pc(s).	0.25 kg

TALEXengine DLE G2 int ADV

TALEXmodule DLE

Product description

- Module with integrated electronics
- For downlights
- Light engine operating with 230 V AC
- Luminous flux range from 1,024 – 2,043 lm
- High system efficiency up to 92 lm/W at tp = 65 °C
- Nominal life-time up to 850.000 h (L70/B50)
- Small colour tolerance (MacAdam 4)
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required

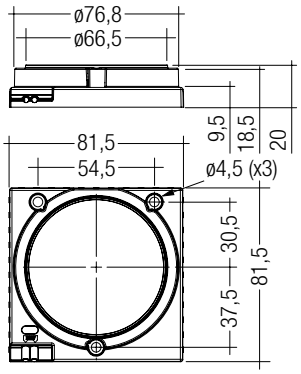
→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

For colour temperatures and tolerances see data sheet





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 Hz
Beam characteristic	80°
Ambient temperature ta	-30 ... +45 °C
Typ. tp temperature	65 °C
Risk group (EN 62471:2008)	0

Ordering data

Type	Article number	Colour temperature	Housing	Weight per pc.
STARK-DLE-G2-LES65-1100-830-AC	**28000486**	3,000 K	yes	0.065 kg
STARK-DLE-G2-LES65-1100-840-AC	**28000487**	4,000 K	yes	0.065 kg
STARK-DLE-G2-LES65-2000-830-AC	**28000488**	3,000 K	yes	0.065 kg
STARK-DLE-G2-LES65-2000-840-AC	**28000489**	4,000 K	yes	0.065 kg

Specific technical data

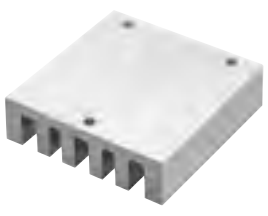
Type	Photometric code	Luminous flux at tp = 25 °C	Luminous flux at tp = 65 °C	Power consumption	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Colour rendering index CRI	Energy classification
STARK-DLE-G2-LES65-1100									
STARK-DLE-G2-LES65-1100-830-AC	830/4xx	1,044 lm	1,024 lm	11.8 W	–	–	82 lm/W	80	A
STARK-DLE-G2-LES65-1100-840-AC	840/4xx	1,112 lm	1,090 lm	11.8 W	–	–	88 lm/W	80	A+
STARK-DLE-G2-LES65-2000									
STARK-DLE-G2-LES65-2000-830-AC	830/4xx	1,919 lm	1,825 lm	22.0 W	–	–	76 lm/W	80	A
STARK-DLE-G2-LES65-2000-840-AC	840/4xx	2,043 lm	1,943 lm	22.0 W	–	–	81 lm/W	80	A

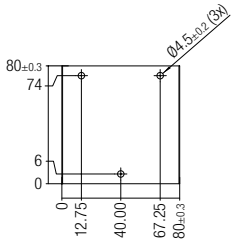
ACCES-SORIES

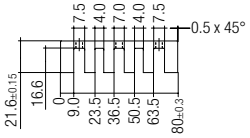
DLE GEN2 Adapter

Product description

- The adapter plate does not replace a heat sink







Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DLE G2 Adapter	**28000420**	1 pc(s).	0.25 kg

TALEXengine STARK SLE PREMIUM system

TALEXmodule SLE

Product description

- Tunable white – LED system with adjustable colour temperature along the planck's curve from 2,700 to 6,500 K
- New DALI device type 8 for tunable white
- Noise-free precise control via switchDIM or DALI, DSI or Colour Control Interface for local operation

Necessary system components:

- TALEXmodule STARK SLE PREMIUM KIT
- TALEXdriver LCAU 2x20 W one4all
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



TALEXengine STARK SLE PREMIUM system



TALEXmodule STARK SLE-PRE-KIT



TALEXmodule STARK SLE-PRE-W/OH-KIT



In-built LED Driver



Remote LED Driver

Ordering data

Type	Article number	System components
STARK SLE 1400-927-965-PRE-KIT	**89601740**	LMAI + SLE1400 with housing
STARK SLE 1400-927-965-PRE-W/O H-KIT	**89601741**	LMAI + SLE1400 without housing
STARK SLE 2000-927-965-PRE-KIT	**89601742**	LMAI + SLE2000 with housing
STARK SLE 2000-927-965-PRE-W/O H-KIT	**89601743**	LMAI + SLE2000 without housing
LCAU 2x020/0048 L010 one4all	**28000907**	In-built LED Driver
LCAU 2x020/0048 L020 one4all	**28000887**	Remote LED Driver

RoHS

TALEXmodule STARK SLE PREMIUM – part 1

TALEXmodule SLE – SLE module system component

Product description

- Tunable white – LED system with adjustable colour temperature along the planck's curve from 2,700 to 6,500 K ①
- For spotlights and downlights
- Built-in LED module
- Diameter: 50 mm
- High efficiency
- High colour rendering index CRI > 90
- Low colour temperature tolerances (MacAdam 3)
- Low tolerances for luminous flux
- Plug'n Play plug connection
- Excellent thermal management by COB technology ②
- Dimming range 15 – 100 %
- Constant luminous flux about colour temperature

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam angle	140°
Ambient temperature ta ②	-25 ... +55 °C
tp point temperature	65 °C
Max. tc point temperature	65 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

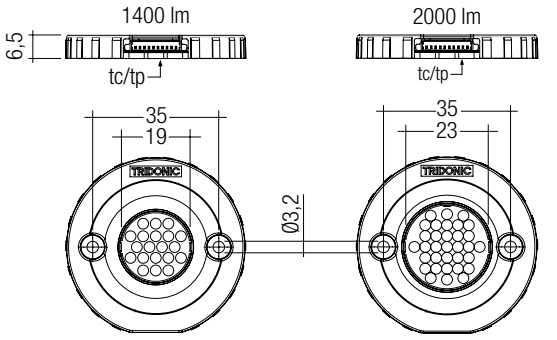
For colour temperatures and tolerances see data sheet



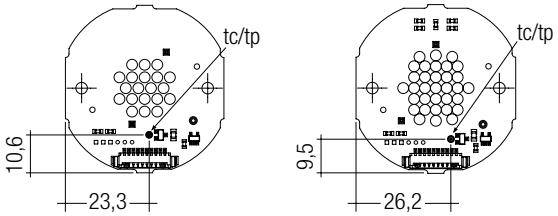
With housing



Without housing



With housing



Without housing

Specific technical data

Type	Photometric code	Luminous flux ③ ④	Power consumption system ⑤ ⑥	Luminous efficacy system	Colour rendering index CRI, 2,700 – 6,500 K ④	Energy classification
STARK SLE 1400 PRE	927/3x9 to 965/3x9	1,350 lm	22.2 W	61 lm/W	> 90	B
STARK SLE 2000 PRE	927/3x9 to 965/3x9	2,050 lm	31.7 W	65 lm/W	> 90	A

① Tunable white is based on the PI-LED technology. PI-LED is a trademark of Lumitech.
② If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the TALEXmodule at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.
③ Tolerance range for optical data: ±10 %.
④ Colour temperature and CRI according to CIE 1931.
⑤ Tolerance range for electrical data: ±10 %.
⑥ The stated power consumption refer to the system which consists of: TALEXdriver LCAU + TALEXmodule STARK SLE PRE-(W/OH)-KIT.

ACCES-SORIES

TALEXaccessory CONNECT – RJ45 U

Product description

- Connection cable 1 or 2 m for connecting TALEXmodule STARK and TALEXdriver LCAU
- RJ45 unshielded



Ordering data

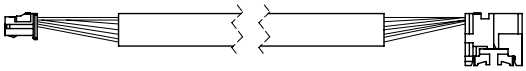
Type	Article number	Length L	Packaging	Weight per pc.
RJ45/RJ45 U 1.0m	**24166480**	1 m	1 piece	0.040 kg
RJ45/RJ45 U 2.0m	**24166481**	2 m	1 piece	0.079 kg

ACCES-SORIES

TALEXaccessory CONNECT – 10PIN PLUG / 10PIN PLUG

Product description

- Connection cable 0.2 m for connecting TALEXmodule STARK and REMOTE LMAI
- 10-pin plug to 10-pin plug Molex
- Halogen free



Ordering data

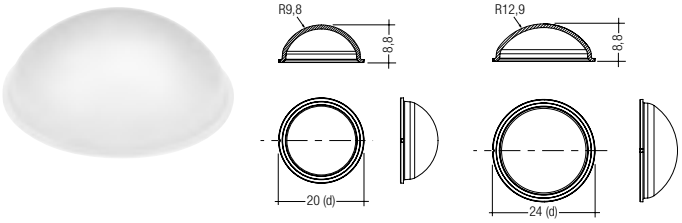
Type	Article number	Length L	Packaging, carton	Weight per pc.
10PIN PLUG/10PIN PLUG 0.2m	**24166482**	0.2 m	10 pieces	0.007 kg

ACCES-SORIES

TALEXaccessory Mixing Cap

Product description

- Mixing chamber for homogenous light distribution
- To push on the SLE housing
- Glow wire test acc. IEC 60695-2-11 at 700 °C passed



Ordering data

Type	Article number	Diameter d	Packaging, carton	Weight per pc.
LED Mixing Cap STARK SLE	**88167564**	20 mm	2,000 pieces	0.001 kg
LED Mixing Cap STARK SLE	**88167565**	24 mm	2,000 pieces	0.001 kg

IP20

TALEXdriver LMAI 44/0500 P020 SPI 48 V – part 2

TALEXmodule SLE – TALEXdriver LMAI system component

Product description

- 500 mA PWM output signal
- Short-circuit protection with automatic restart
- No-load detection with automatic restart
- Intelligent temperature management for LED and LMAI (protection against thermal damage)
- Connecting cable, wire cross-section 0.75 – 1.5 mm²
- Power input on stand-wby 0 W
- Output power max. 44 W
- Strain relief for snap in (only for LMAI with strain-relief set)



LMAI without strain relief set

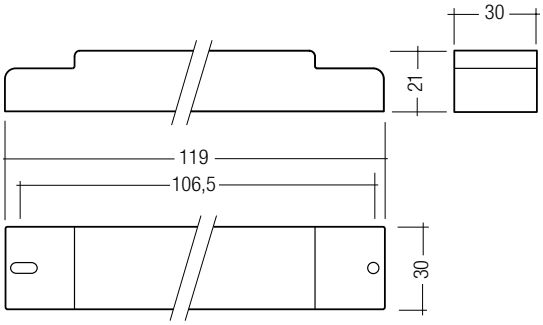


LMAI with strain relief set

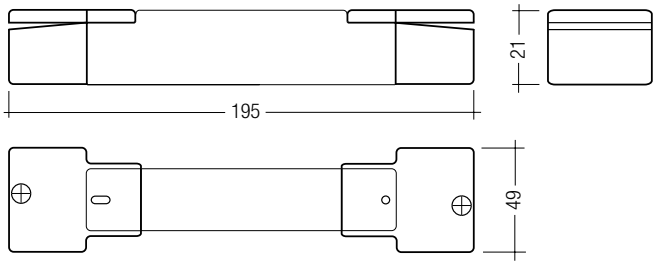
Properties

- Use only with LED Driver and LED module possible
- Dimming range 15 to 100 %
- Dimming curve adapted to the sensitivity of the eye
- Max. acceptable cable lenght between LMAI and module 500 mm
- SELV
- Type of protection IP20 (for LMAI with strain-relief set)

→ For product data sheet go to www.tridonic.com, or available on request



LMAI without strain relief set



LMAI with strain relief set

Technical data

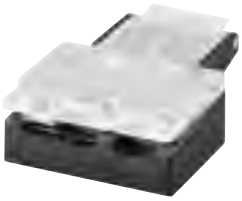
Rated supply voltage DC	48 V
Input voltage DC	47 – 51 V
Rated current (at 48 V DC)	0.9 A
Max. input power with fan	45.5 W
Stand-by power	0 W
Output voltage range	14 – 44 V
Output current tolerance	± 7 %
Output current	500 mA
Output power	44 W
Dimming range	15 – 100 %
PWM frequency	312 Hz
Voltage FAN DC	12 V
Max. operating current FAN	100 mA
Max. switch-on current FAN	200 mA (< 5 ms)
Max. permitted capacity FAN	58 µF
Ambient temperature ta (at life-time 50,000 h)	-20 ... +45 °C
Max. casing temperature tc	55 °C
Storage temperature ts	-40 ... +80 °C

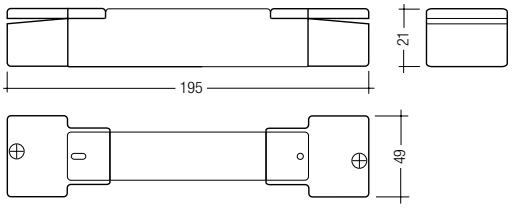
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For standards see data sheet

ACCES-SORIES

Strain–relief set





Product description

- Strain relief for TALEXdriver LMAI
- Glow wire test acc. IEC 60695-2-11 at 960 °C passed

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Strain-relief set	**86459424**	20 pc(s).	0.05 kg

IP20 SELV RoHS

TALEXdriver LCAU 2x20 W one4all

TALEXmodule SLE – LED Driver system component

Product description

- LED Driver for PREMIUM modules
- Output power: 2 x 25 or 1 x 40 W
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Power input on stand-by < 0.5 W
- Strain relief by remote LED Driver
- RJ45 connector for plug & play



In-built LED Driver

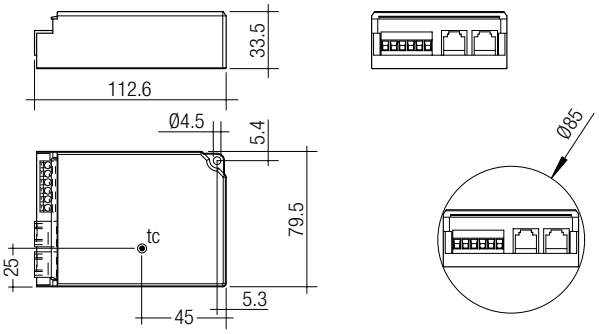


Remote LED Driver

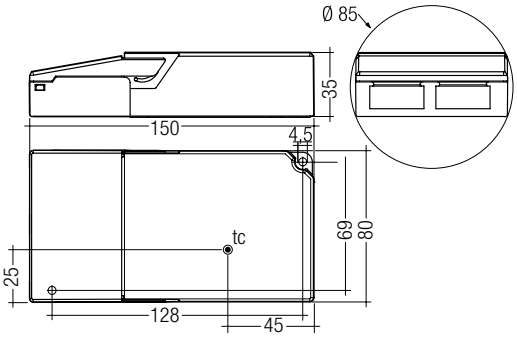
Properties

- switchDIM (with memory function)
- colourSWITCH 2,700 – 6,500 K (with memory function)①
- New DALI device Type 8 for Tunable White
- Noise-free precise control via DALI, DSI signal or switchDIM
- Powerless switching via a digital interface (no need for switching via mains)
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit shutdown feature with automatic restart (every 7 s)
- No-load shutdown feature with automatic restart (every 7 s)
- Overload protection by reduction of performance②
- SELV
- Plastic casing black
- Type of protection IP20 (remote LED Driver)

→ For product data sheet go to www.tridonic.com, or available on request



In-built LED Driver



Remote LED Driver

Technical data

Rated supply voltage	220 – 240 V
Input voltage AC	198 – 264 V
Input voltage DC①	170 – 264 V
Rated current (at 230 V, 50 Hz)	0.21 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	90 %
λ at 230 V, 50 Hz, full load	0.95
Control input①③	DSI, DALI, switchDIM, colourSWITCH
Stand-by power④	< 0.5 W
Output voltage	49 V ±2 V
Output power	2 x 25 W / 1 x 40 W
Dimming range	15 – 100 %
Set up time (at 230 V, 50 Hz)	< 1 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (FE)	0.25 mA
ta operating (at life-time 50,000 h)	-20 ... +45 °C
Max. casing temperature (at life-time 50,000 h)	65 °C

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAU 2x020/0048 L010 one4all	**28000907**	10 pc(s).	560 pc(s).	0.2 kg
LCAU 2x020/0048 L020 one4all	**28000887**	10 pc(s).	560 pc(s).	0.2 kg

① In DC operation the last set colour is used.
② If the overload is too high the LED Driver switches off and tries to restart every 7 s.
③ No colourSWITCH at DC operation.
④ No fan operation on stand-by.

→

For standards see data sheet

RoHS

TALEX(module SLE G4 EXCITE

TALEX(module SLE

Product description

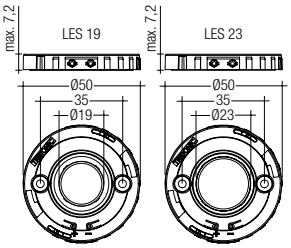
- For spotlights and downlights
- TIM variants for easy and fast assembly
- Housing with Snap-On feature for easy reflector mounting
- Luminous flux up to 6,110 lm at tp = 65 °C
- High efficacy up to 133 lm/W for the LED module at tp = 25 °C
- High system efficacy up to 116 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating modes
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

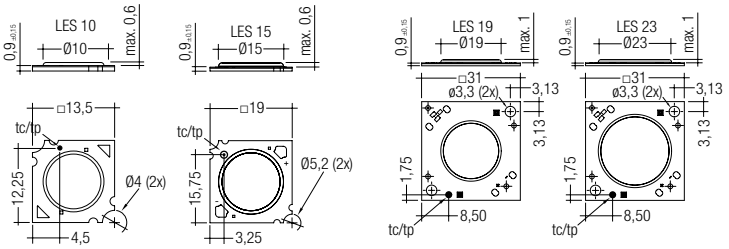
For standards see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – Dimensions in mm



Dimensions in mm

Technical data

Beam characteristic	115°
Ambient temperature range	-25 ... +50 °C
tp rated	65 °C
tc ①	up to 100 °C
Max. DC forward current for LES10 ②	500 mA
Max. DC forward current for LES15 ②	700 mA
Max. DC forward current for LES19 ②	1,400 mA
Max. DC forward current for LES23 ②	1,750 mA
Max. permissible LF current ripple for LES10	720 mA
Max. permissible LF current ripple for LES15	1,200 mA
Max. permissible LF current ripple for LES19	1,680 mA
Max. permissible LF current ripple for LES23	2,400 mA
Max. permissible peak current for LES10	1,440 mA / max. 10 ms
Max. permissible peak current for LES15	2,400 mA / max. 10 ms
Max. permissible peak current for LES19	3,360 mA / max. 10 ms
Max. permissible peak current for LES23	4,800 mA / max. 10 ms
Max. permissible output voltage of LED Driver for LES10 ③	50 V
Max. permissible output voltage of LED Driver for LES15 ③	75 V
Max. permissible output voltage of LED Driver for LES19 ③	75 V
Max. permissible output voltage of LED Driver for LES23 ③	75 V
Insulation test voltage for LES10	1.1 kV
Insulation test voltage for LES15	1.15 kV
Insulation test voltage for LES19	1.15 kV
Insulation test voltage for LES23	1.15 kV
ESD classification	severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IP00

Bestelldaten

Typ	Artikel-nummer	Farbtem-peratur	Ge-häuse	Wärme-leitfolie	Anschluss-kabel	Verpackung Karton	Gewicht pro Stk.
SLE G4 10mm 1200lm 927 R EXC	**28000991**	2,700 K	no	no	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 930 R EXC	**28000992**	3,000 K	no	no	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 940 R EXC	**28000993**	4,000 K	no	no	no	36 pc(s).	0.001 kg
SLE G4 15mm 2000lm 930 R EXC	**89601964**	3,000 K	no	no	no	20 pc(s).	0.004 kg
SLE G4 15mm 2000lm 940 R EXC	**89601965**	4,000 K	no	no	no	20 pc(s).	0.004 kg
SLE G4 15mm 2000lm 930 C EXC	**89601949**	3,000 K	no	no	yes	20 pc(s).	0.004 kg
SLE G4 15mm 2000lm 940 C EXC	**89601950**	4,000 K	no	no	yes	20 pc(s).	0.004 kg
SLE G4 19mm 3000lm 930 C EXC	**89601953**	3,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm 940 C EXC	**89601954**	4,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm 930 C EXC	**89601956**	3,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm 940 C EXC	**89601957**	4,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm 930 H EXC	**89601932**	3,000 K	yes	no	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm 940 H EXC	**89601933**	4,000 K	yes	no	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm 930 H EXC	**89601935**	3,000 K	yes	no	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm 940 H EXC	**89601936**	4,000 K	yes	no	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm 930 H EXC TIM	**89601968**	3,000 K	yes	yes	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm 940 H EXC TIM	**89601969**	4,000 K	yes	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm 930 H EXC TIM	**89601972**	3,000 K	yes	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm 940 H EXC TIM	**89601973**	4,000 K	yes	yes	no	50 pc(s).	0.009 kg

Specific technical data

Type ④	Photometric code	Forward current ⑤ ⑥ ⑦	Luminous flux at tp = 25 °C ⑧	Luminous flux at tp = 65 °C ⑧	Power consump-tion ⑨	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
SLE 10mm 1200lm – Operating mode HE at 350 mA											
SLE G4 10mm 1200lm 927 EXC	927/3x9	350 mA	1,050 lm	920 lm	12.7 W	33.7 V	39.5 V	81 lm/W	72 lm/W	65 lm/W	90
SLE G4 10mm 1200lm 930 EXC	930/3x9	350 mA	1,080 lm	960 lm	12.7 W	33.7 V	39.5 V	83 lm/W	76 lm/W	68 lm/W	90
SLE G4 10mm 1200lm 940 EXC	940/3x9	350 mA	1,180 lm	1,050 lm	12.7 W	33.7 V	39.5 V	91 lm/W	83 lm/W	75 lm/W	90
SLE 10mm 1200lm – Operating mode HO at 500 mA											
SLE G4 10mm 1200lm 927 EXC	927/3x9	500 mA	1,360 lm	1,190 lm	19.0 W	34.9 V	41.4 V	70 lm/W	63 lm/W	57 lm/W	90
SLE G4 10mm 1200lm 930 EXC	930/3x9	500 mA	1,410 lm	1,240 lm	19.0 W	34.9 V	41.4 V	73 lm/W	65 lm/W	59 lm/W	90
SLE G4 10mm 1200lm 940 EXC	940/3x9	500 mA	1,540 lm	1,350 lm	19.0 W	34.9 V	41.4 V	79 lm/W	71 lm/W	64 lm/W	90

Specific technical data

Type ④	Photometric code	Forward current ⑤ ⑥ ⑦	Luminous flux at tp = 25 °C ⑧	Luminous flux at tp = 65 °C ⑧	Power consumption ⑨	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
SLE 15mm 2000lm – Operating mode HE at 350 mA											
SLE G4 15mm 2000lm 930 EXC	930/3x9	350 mA	1,370 lm	1,310 lm	11.6 W	31.0 V	36.0 V	116 lm/W	113 lm/W	102 lm/W	90
SLE G4 15mm 2000lm 940 EXC	940/3x9	350 mA	1,460 lm	1,390 lm	11.6 W	31.0 V	36.0 V	124 lm/W	120 lm/W	108 lm/W	90
SLE 15mm 2000lm – Operating mode NM											
SLE G4 15mm 2000lm 930 EXC	930/3x9	500 mA	1,900 lm	1,800 lm	17.3 W	32.2 V	37.4 V	109 lm/W	104 lm/W	94 lm/W	90
SLE G4 15mm 2000lm 940 EXC	940/3x9	500 mA	2,000 lm	1,910 lm	17.3 W	32.2 V	37.4 V	114 lm/W	110 lm/W	99 lm/W	90
SLE 15mm 2000lm – Operating mode HO at 700 mA											
SLE G4 15mm 2000lm 930 EXC	930/3x9	700 mA	2,530 lm	2,390 lm	25.3 W	33.8 V	39.2 V	98 lm/W	94 lm/W	85 lm/W	90
SLE G4 15mm 2000lm 940 EXC	940/3x9	700 mA	2,680 lm	2,510 lm	25.3 W	33.8 V	39.2 V	104 lm/W	99 lm/W	89 lm/W	90
SLE 19mm 3000lm – Operating mode HE at 500 mA											
SLE G4 19mm 3000lm 930 EXC	930/3x9	500 mA	1,950 lm	1,860 lm	16.4 W	30.7 V	35.6 V	117 lm/W	113 lm/W	102 lm/W	90
SLE G4 19mm 3000lm 940 EXC	940/3x9	500 mA	2,220 lm	2,120 lm	16.4 W	30.7 V	35.6 V	133 lm/W	129 lm/W	116 lm/W	90
SLE 19mm 3000lm – Operating mode NM											
SLE G4 19mm 3000lm 930 EXC	930/3x9	1,050 mA	3,740 lm	3,570 lm	37.6 W	33.4 V	38.8 V	98 lm/W	95 lm/W	85 lm/W	90
SLE G4 19mm 3000lm 940 EXC	940/3x9	1,050 mA	4,280 lm	4,000 lm	37.6 W	33.4 V	38.8 V	112 lm/W	106 lm/W	96 lm/W	90
SLE 19mm 3000lm – Operating mode HO at 1,400 mA											
SLE G4 19mm 3000lm 930 EXC	930/3x9	1,400 mA	4,740 lm	4,270 lm	52.6 W	35.1 V	40.7 V	89 lm/W	81 lm/W	73 lm/W	90
SLE G4 19mm 3000lm 940 EXC	940/3x9	1,400 mA	5,450 lm	4,790 lm	52.6 W	35.1 V	40.7 V	102 lm/W	91 lm/W	82 lm/W	90
SLE 23mm 5000lm – Operating mode HE at 700 mA											
SLE G4 23mm 5000lm 930 EXC	930/3x9	700 mA	2,780 lm	2,650 lm	22.9 W	30.5 V	35.4 V	120 lm/W	116 lm/W	104 lm/W	90
SLE G4 23mm 5000lm 940 EXC	940/3x9	700 mA	2,980 lm	2,840 lm	22.9 W	30.5 V	35.4 V	128 lm/W	124 lm/W	112 lm/W	90
SLE 23mm 5000lm – Operating mode NM											
SLE G4 23mm 5000lm 930 EXC	930/3x9	1,400 mA	5,150 lm	4,900 lm	49.3 W	32.9 V	38.2 V	103 lm/W	99 lm/W	89 lm/W	90
SLE G4 23mm 5000lm 940 EXC	940/3x9	1,400 mA	5,540 lm	5,270 lm	49.3 W	32.9 V	38.2 V	111 lm/W	107 lm/W	96 lm/W	90
SLE 23mm 5000lm – Operating mode HO at 1,750 mA											
SLE G4 23mm 5000lm 930 EXC	930/3x9	1,750 mA	6,240 lm	5,830 lm	63.8 W	34.0 V	39.4 V	96 lm/W	91 lm/W	82 lm/W	90
SLE G4 23mm 5000lm 940 EXC	940/3x9	1,750 mA	6,710 lm	6,110 lm	63.8 W	34.0 V	39.4 V	104 lm/W	96 lm/W	86 lm/W	90

① See Derating curves in data sheet section 2.3.
② Max. DC forward current varies over the temperature of the LED module. See derating curves in data sheet section 2.3.
③ The detailed explanation, see data sheet section 3.1.
④ HE ... high efficiency, NM ... nominal mode, HO ... high output.
⑤ Exceeding the max. operating current leads to an overload on the TALEXmodule. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
⑥ Max. permissible surge current for SLE G4 15mm 2000lm 9x0 EXC: 1,920 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 19mm 3000lm 9x0 EXC: 3,360 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5000lm 9x0 EXC: 4,800 mA, duration max. 10 ms.
⑦ Max. permissible repetitive peak current for SLE G4 15mm 2000lm 9x0 EXC is 960 mA.
Max. permissible repetitive peak current for SLE G4 19mm 3000lm 9x0 EXC is 1,680 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5000lm 9x0 EXC is 2,400 mA.
⑧ Tolerance range for optical data: ±10 %.
⑨ All values at tp = 65 °C.
Assumed efficiency for the LED Driver is 0.9.

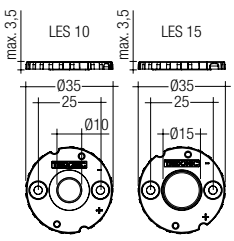
ACCES-SORIES

SLE G4 housing for LES 10 / LES 15

Product description

- Housing for LES 10 / LES 15
- Diameter: 35 mm
- Material: Lexan Resin 943





Ordering data

Type	Article number	Packaging bag	Weight per pc.
SLE G4 housing for LES 10	**28001038**	100 pc(s).	0.002 kg
SLE G4 housing for LES 15	**28001039**	100 pc(s).	0.002 kg

NEW

TALEXmodule SLE G4 15mm 2000lm 9x0 EXC D50

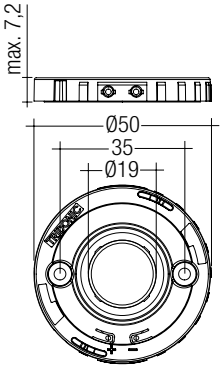
TALEXmodule SLE EXCITE

Product description

- For spotlights and downlights
- Luminous flux range from 1,310 – 2,680 lm
- High module efficacy up to 124 lm/W at tp = 25 °C
- High system efficacy up to 108 lm/W at tc = 65 °C
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Housing	Thermal interface material	Connection cable	Packaging, carton	Weight per pc.
SLE G4 15mm 2000lm 930 H EXC D50	**89602085**	3,000 K	yes	no	no	50 pc(s).	0.004 kg
SLE G4 15mm 2000lm 940 H EXC D50	**89602086**	4,000 K	yes	no	no	50 pc(s).	0.004 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ②	Photometric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⑧	Colour rendering index CRI	Energy classification
SLE 15mm 2000lm – Operating mode HE at 350 mA												
SLE G4 15mm 2000lm 930 EXC	930/3x9	350 mA	1,370 lm	1,310 lm	11.6 W	31.0 V	36.0 V	116 lm/W	113 lm/W	102 lm/W	90	A+
SLE G4 15mm 2000lm 930 EXC	940/3x9	350 mA	1,460 lm	1,390 lm	11.6 W	31.0 V	36.0 V	124 lm/W	120 lm/W	108 lm/W	90	A+
SLE 15mm 2000lm – Operating mode NM												
SLE G4 15mm 2000lm 930 EXC	930/3x9	500 mA	1,900 lm	1,800 lm	17.3 W	32.2 V	37.4 V	109 lm/W	104 lm/W	94 lm/W	90	A+
SLE G4 15mm 2000lm 930 EXC	940/3x9	500 mA	2,000 lm	1,910 lm	17.3 W	32.2 V	37.4 V	114 lm/W	110 lm/W	99 lm/W	90	A+
SLE 15mm 2000lm – Operating mode HO at 700 mA												
SLE G4 15mm 2000lm 930 EXC	930/3x9	700 mA	2,530 lm	2,390 lm	25.3 W	33.8 V	39.2 V	98 lm/W	94 lm/W	85 lm/W	90	A+
SLE G4 15mm 2000lm 930 EXC	940/3x9	700 mA	2,680 lm	2,510 lm	25.3 W	33.8 V	39.2 V	104 lm/W	99 lm/W	89 lm/W	90	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for SLE G4 15mm 2000lm 9x0 H EXC D50: 2,400 mA, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 105m 2000lm 9x0 H EXC D50: 1,200 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

NEW

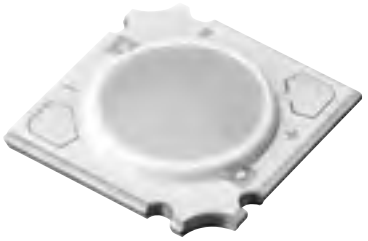
TALEXmodule SLE G4 EXCITE SC

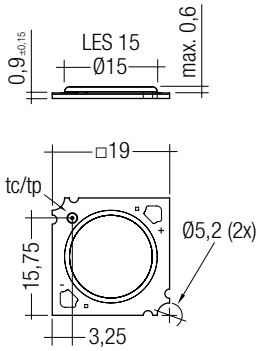
TALEXmodule SLE EXCITE

Product description

- For spotlights and downlights
- Luminous flux range from 1,310 – 6,710 lm
- High module efficacy up to 133 lm/W at tp = 25 °C
- High system efficacy up to 116 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Housing	Thermal interface material	Connection cable	Packaging, carton	Weight per pc.
SLE G4 15mm 2000lm SC014 R EXC	**89602121**	3,000 K	no	no	no	20 pc(s).	0.009 kg
SLE G4 15mm 2000lm SC015 R EXC	**89602122**	4,000 K	no	no	no	20 pc(s).	0.009 kg
SLE G4 15mm 2000lm 927 R EXC	**89602087**	2,700 K	no	no	no	20 pc(s).	0.009 kg
SLE G4 15mm 2000lm 935 R EXC	**89602088**	3,500 K	no	no	no	20 pc(s).	0.009 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type②	Photometric code	Forward current ③④⑤	Luminous flux at tp = 25 °C⑥	Luminous flux at tp = 65 °C⑥	Power consumption⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C⑧	Colour rendering index CRI	Energy classification
SLE 15mm 2000lm – Operating mode HE at 350 mA												
SLE G4 15mm 2000lm SC014 R EXC	930/3x9	350 mA	1,370 lm	1,310 lm	11.6 W	31.0 V	36.0 V	116 lm/W	113 lm/W	102 lm/W	90	A+
SLE G4 15mm 2000lm SC015 R EXC	940/3x9	350 mA	1,460 lm	1,390 lm	11.6 W	31.0 V	36.0 V	124 lm/W	120 lm/W	108 lm/W	90	A+
SLE G4 15mm 2000lm 927 R EXC	927/3x9	350 mA	1,260 lm	1,020 lm	11.6 W	31.0 V	36.0 V	107 lm/W	88 lm/W	79 lm/W	90	A+
SLE G4 15mm 2000lm 935 R EXC	935/3x9	350 mA	1,410 lm	1,340 lm	11.6 W	31.0 V	36.0 V	119 lm/W	116 lm/W	104 lm/W	90	A+
SLE 15mm 2000lm – Operating mode NM												
SLE G4 15mm 2000lm SC014 R EXC	930/3x9	500 mA	1,900 lm	1,800 lm	17.3 W	32.2 V	37.4 V	109 lm/W	104 lm/W	94 lm/W	90	A+
SLE G4 15mm 2000lm SC015 R EXC	940/3x9	500 mA	2,000 lm	1,910 lm	17.3 W	32.2 V	37.4 V	114 lm/W	110 lm/W	99 lm/W	90	A+
SLE G4 15mm 2000lm 927 R EXC	927/3x9	500 mA	1,740 lm	1,410 lm	17.3 W	32.2 V	37.4 V	99 lm/W	82 lm/W	74 lm/W	90	A
SLE G4 15mm 2000lm 935 R EXC	935/3x9	500 mA	1,940 lm	1,850 lm	17.3 W	32.2 V	37.4 V	111 lm/W	107 lm/W	96 lm/W	90	A+
SLE 15mm 2000lm – Operating mode HO at 700 mA												
SLE G4 15mm 2000lm SC014 R EXC	930/3x9	700 mA	2,530 lm	2,390 lm	25.3 W	33.8 V	39.2 V	98 lm/W	94 lm/W	85 lm/W	90	A+
SLE G4 15mm 2000lm SC015 R EXC	940/3x9	700 mA	2,680 lm	2,510 lm	25.3 W	33.8 V	39.2 V	104 lm/W	99 lm/W	89 lm/W	90	A+
SLE G4 15mm 2000lm 927 R EXC	927/3x9	700 mA	2,320 lm	1,860 lm	25.3 W	33.8 V	39.2 V	90 lm/W	74 lm/W	67 lm/W	90	A
SLE G4 15mm 2000lm 935 R EXC	935/3x9	700 mA	2,590 lm	2,440 lm	25.3 W	33.8 V	39.2 V	101 lm/W	96 lm/W	86 lm/W	90	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for SLE G4 15mm 2000lm 9x0 EXC: 1,920 mA, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 15mm 2000lm 9x0 EXC is 960 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

NEW

TALEXmodule SLE G4 FOOD EXCITE

TALEXmodule SLE EXCITE

Product description

- Application specific colours for attractive product presentation
- For spotlights
- High module efficacy up to 114 lm/W at tp = 25 °C
- High system efficacy up to 91 lm/W at tp = 65 °C
- High colour consistency
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Long life-time: L70 at HE operating mode ≥ 60,000 operating hours
- Flexible operating mode

→ For product data sheet go to www.tridonic.com, or available on request

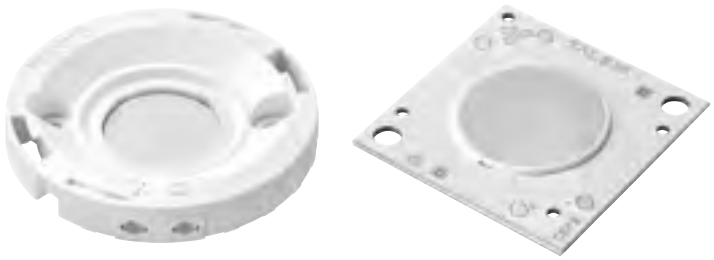
Technical data

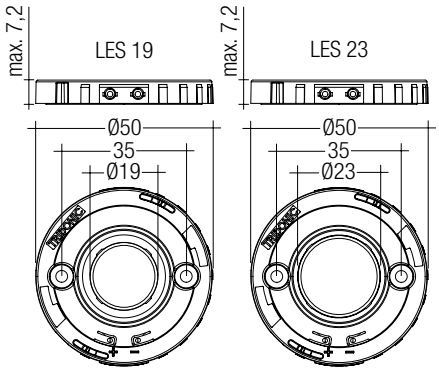
Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

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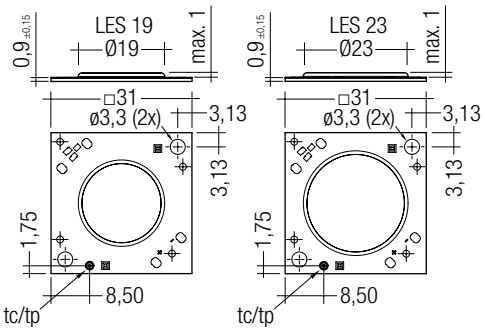
For standards see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – Dimensions in mm



Dimensions in mm

Ordering data

Type	Article number	Housing	Connection cable	Packaging, carton	Weight per pc.
SLE G4 19mm 3000lm GOLD C EXC	**89602042**	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm GOLD+ C EXC	**89602043**	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm MEAT+ C EXC	**89602044**	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm FRESH MEAT C EXC	**89602045**	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm GOLD C EXC	**89602046**	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm GOLD+ C EXC	**89602047**	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm MEAT+ C EXC	**89602048**	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm FRESH MEAT C EXC	**89602049**	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm GOLD H EXC	**89602034**	yes	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm GOLD+ H EXC	**89602035**	yes	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm MEAT+ H EXC	**89602036**	yes	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm FRESH MEAT H EXC	**89602037**	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm GOLD H EXC	**89602038**	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm GOLD+ H EXC	**89602039**	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm MEAT+ H EXC	**89602040**	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm FRESH MEAT H EXC	**89602041**	yes	no	50 pc(s).	0.009 kg

Specific technical data

Type ②	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Energy classification
SLE G4 19mm 3000lm – Operating mode HE at 500 mA							
SLE G4 19mm 3000lm GOLD EXC	500 mA	1,820 lm	1,630 lm	16.4 W	30.7 V	35.6 V	A+
SLE G4 19mm 3000lm GOLD+ EXC	500 mA	1,290 lm	1,120 lm	16.4 W	30.7 V	35.6 V	A
SLE G4 19mm 3000lm MEAT+ EXC	500 mA	1,200 lm	1,080 lm	16.4 W	30.7 V	35.6 V	A
SLE G4 19mm 3000lm FRESH MEAT EXC	500 mA	1,230 lm	1,060 lm	16.4 W	30.7 V	35.6 V	A
SLE G4 19mm 3000lm – Operating mode NM at 1,050 mA							
SLE G4 19mm 3000lm GOLD EXC	1,050 mA	3,510 lm	2,990 lm	37.6 W	33.4 V	38.8 V	A
SLE G4 19mm 3000lm GOLD+ EXC	1,050 mA	2,500 lm	1,970 lm	37.6 W	33.4 V	38.8 V	B
SLE G4 19mm 3000lm MEAT+ EXC	1,050 mA	2,330 lm	2,010 lm	37.6 W	33.4 V	38.8 V	B
SLE G4 19mm 3000lm FRESH MEAT EXC	1,050 mA	2,370 lm	1,860 lm	37.6 W	33.4 V	38.8 V	B
SLE G4 19mm 3000lm – Operating mode HO at 1,400 mA							
SLE G4 19mm 3000lm GOLD EXC	1,400 mA	4,450 lm	3,670 lm	52.6 W	35.1 V	40.7 V	A
SLE G4 19mm 3000lm GOLD+ EXC	1,400 mA	3,190 lm	2,240 lm	52.6 W	35.1 V	40.7 V	B
SLE G4 19mm 3000lm MEAT+ EXC	1,400 mA	2,960 lm	2,440 lm	52.6 W	35.1 V	40.7 V	B
SLE G4 19mm 3000lm FRESH MEAT EXC	1,400 mA	2,990 lm	2,270 lm	52.6 W	35.1 V	40.7 V	B
SLE G4 23mm 5000lm – Operating mode HE at 700 mA							
SLE G4 23mm 5000lm GOLD EXC	700 mA	2,640 lm	2,320 lm	22.9 W	30.5 V	35.4 V	A+
SLE G4 23mm 5000lm GOLD+ EXC	700 mA	1,790 lm	1,560 lm	22.9 W	30.5 V	35.4 V	A
SLE G4 23mm 5000lm MEAT+ EXC	700 mA	1,710 lm	1,560 lm	22.9 W	30.5 V	35.4 V	A
SLE G4 23mm 5000lm FRESH MEAT EXC	700 mA	1,720 lm	1,430 lm	22.9 W	30.5 V	35.4 V	A
SLE G4 23mm 5000lm – Operating mode NM at 1,400 mA							
SLE G4 23mm 5000lm GOLD EXC	1,400 mA	4,920 lm	4,090 lm	49.3 W	32.9 V	38.2 V	A
SLE G4 23mm 5000lm GOLD+ EXC	1,400 mA	3,340 lm	2,670 lm	49.3 W	32.9 V	38.2 V	B
SLE G4 23mm 5000lm MEAT+ EXC	1,400 mA	3,230 lm	2,750 lm	49.3 W	32.9 V	38.2 V	B
SLE G4 23mm 5000lm FRESH MEAT EXC	1,400 mA	3,220 lm	2,430 lm	49.3 W	32.9 V	38.2 V	B
SLE G4 23mm 5000lm – Operating mode HO at 1,750 mA							
SLE G4 23mm 5000lm GOLD EXC	1,750 mA	5,930 lm	4,720 lm	63.8 W	34.0 V	39.4 V	A
SLE G4 23mm 5000lm GOLD+ EXC	1,750 mA	4,030 lm	3,070 lm	63.8 W	34.0 V	39.4 V	B
SLE G4 23mm 5000lm MEAT+ EXC	1,750 mA	3,910 lm	3,190 lm	63.8 W	34.0 V	39.4 V	B
SLE G4 23mm 5000lm FRESH MEAT EXC	1,750 mA	3,900 lm	2,670 lm	63.8 W	34.0 V	39.4 V	B

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for SLE G4 19mm 3000lm xxx EXC: 3,360 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5000lm xxx EXC: 4,800 mA, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 19mm 3000lm xxx EXC: 1,680 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5000lm xxx EXC: 2,400 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.

NEW

TALEXmodule SLE G4 ART EXCITE

TALEXmodule SLE EXCITE

Product description

- Highest light quality in the market with full spectrum technology
- Application: Shop, Art & Culture
- Luminous flux range from 970 – 5,370 lm
- Special Colour spectrum for High End Applications with CRI 98 (compareable to incandescent lamp)
- For spotlights and downlights
- BLO mode: Best LED Operation for optimum operation and constant luminous flux at all colour temperatures in combination with Tridonic LED Driver of TOP and ECO series
- High colour consistency (MacAdam 2)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

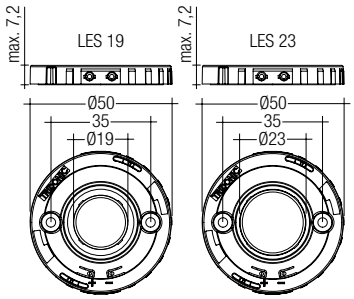
Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

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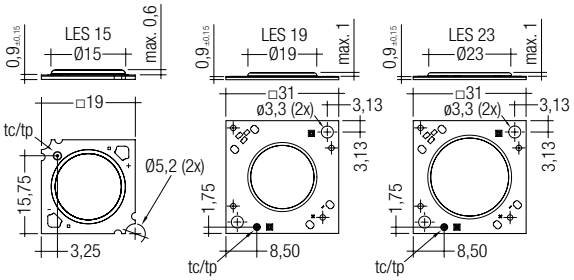
For standards see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – Dimensions in mm



Dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
SLE G4 15mm 2000lm 927 ART C EXC	**89602021**	2,700 K	no	yes	20 pc(s).	0.004 kg
SLE G4 15mm 2000lm 930 ART C EXC	**89601923**	3,000 K	no	yes	20 pc(s).	0.004 kg
SLE G4 19mm 3000lm 927 ART C EXC	**89602030**	2,700 K	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm 930 ART C EXC	**89602031**	3,000 K	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm 927 ART C EXC	**89602032**	2,700 K	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm 930 ART C EXC	**89602033**	3,000 K	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm 927 ART H EXC	**89602026**	2,700 K	yes	no	50 pc(s).	0.009 kg
SLE G4 19mm 3000lm 930 ART H EXC	**89602027**	3,000 K	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm 927 ART H EXC	**89602028**	2,700 K	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm 930 ART H EXC	**89602029**	3,000 K	yes	no	50 pc(s).	0.009 kg

Specific technical data

Type ②	Photometric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Colour rendering index CRI	Energy classification
SLE G4 15mm 2000lm – Operating mode HE at 350 mA									
SLE G4 15mm 2000lm 927 ART EXC	927/239	350 mA	1,040 lm	970 lm	11.6 W	31.0 V	36.0 V	98	A
SLE G4 15mm 2000lm 930 ART EXC	930/239	350 mA	1,270 lm	1,100 lm	11.6 W	31.0 V	36.0 V	98	A+
SLE G4 15mm 2000lm – Operating mode NM at 500 mA									
SLE G4 15mm 2000lm 927 ART EXC	927/239	500 mA	1,440 lm	1,320 lm	17.3 W	32.2 V	37.4 V	98	A
SLE G4 15mm 2000lm 930 ART EXC	930/239	500 mA	1,270 lm	1,470 lm	17.3 W	32.2 V	37.4 V	98	A
SLE G4 15mm 2000lm – Operating mode HO at 700 mA									
SLE G4 15mm 2000lm 927 ART EXC	927/239	700 mA	1,920 lm	1,720 lm	25.3 W	33.8 V	39.2 V	98	A
SLE G4 15mm 2000lm 930 ART EXC	930/239	700 mA	2,460 lm	1,940 lm	25.3 W	33.8 V	39.2 V	98	A
SLE G4 19mm 3000lm – Operating mode HE at 500 mA									
SLE G4 19mm 3000lm 927 ART EXC	927/239	500 mA	1,520 lm	1,430 lm	16.4 W	30.7 V	35.6 V	98	A
SLE G4 19mm 3000lm 930 ART EXC	930/239	500 mA	1,710 lm	1,550 lm	16.4 W	30.7 V	35.6 V	98	A+
SLE G4 19mm 3000lm – Operating mode NM at 1,050mA									
SLE G4 19mm 3000lm 927 ART EXC	927/239	1,050 mA	2,960 lm	2,630 lm	37.6 W	33.4 V	38.8 V	98	A
SLE G4 19mm 3000lm 930 ART EXC	930/239	1,050 mA	3,300 lm	2,850 lm	37.6 W	33.4 V	38.8 V	98	A
SLE G4 19mm 3000lm – Operating mode HO at 1,400 mA									
SLE G4 19mm 3000lm 927 ART EXC	927/239	1,400 mA	3,770 lm	3,200 lm	52.6 W	35.1 V	40.7 V	98	B
SLE G4 19mm 3000lm 930 ART EXC	930/239	1,400 mA	4,200 lm	3,470 lm	52.6 W	35.1 V	40.7 V	98	A
SLE G4 23mm 5000lm – Operating mode HE at 700 mA									
SLE G4 23mm 5000lm 927 ART EXC	927/239	700 mA	2,210 lm	1,950 lm	22.9 W	30.5 V	35.4 V	98	A
SLE G4 23mm 5000lm 930 ART EXC	930/239	700 mA	2,390 lm	2,080 lm	22.9 W	30.5 V	35.4 V	98	A+
SLE G4 23mm 5000lm – Operating mode NM at 1,400 mA									
SLE G4 23mm 5000lm 927 ART EXC	927/239	1,400 mA	4,110 lm	3,400 lm	49.3 W	32.9 V	38.2 V	98	A
SLE G4 23mm 5000lm 930 ART EXC	930/239	1,400 mA	4,450 lm	3,660 lm	49.3 W	32.9 V	38.2 V	98	A
SLE G4 23mm 5000lm – Operating mode HO at 1,750 mA									
SLE G4 23mm 5000lm 927 ART EXC	927/239	1,750 mA	4,970 lm	3,990 lm	63.8 W	34.0 V	39.4 V	98	B
SLE G4 23mm 5000lm 930 ART EXC	930/239	1,750 mA	5,370 lm	4,300 lm	63.8 W	34.0 V	39.4 V	98	A

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for SLE G4 15mm 2000lm 9xx ART EXC: 1,920 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 19mm 3000lm 9x0 EXC: 3,360 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5000lm 9x0 EXC: 4,800 mA, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 15mm 2000lm 9xx ART EXC: 960 mA.
Max. permissible repetitive peak current for SLE G4 19mm 3000lm 9xx ART EXC: 1,680 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5000lm 9xx ART EXC: 2,400 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.

NEW

TALEXmodule SLE G4 FASHION EXCITE

TALEXmodule SLE EXCITE

Product description

- Optimized light spectrum for perfect fashion presentation
- LED-solution with uniquely brilliant colour impression
- Warm, thrilling colours with a high saturation combined with a pure and shiny white
- Luminous flux range from 1,950 – 5,510 lm
- For spotlights and downlights
- BLO mode: Best LED Operation for optimum operation and constant luminous flux at all colour temperatures in combination with Tridonic LED Driver of TOP and ECO series
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

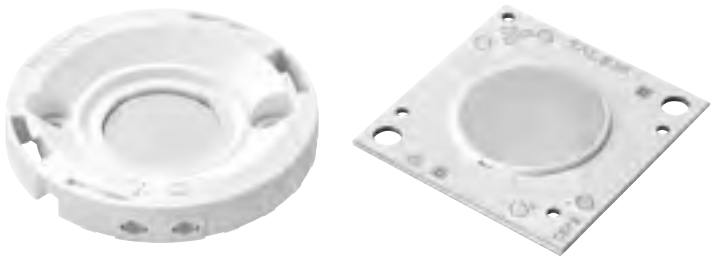
Technical data

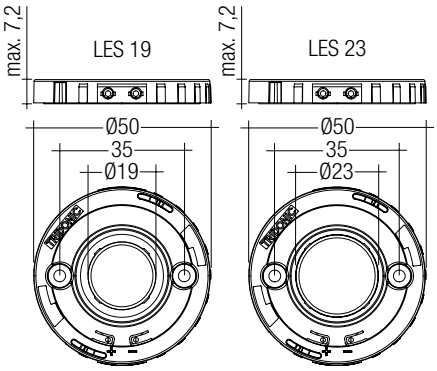
Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

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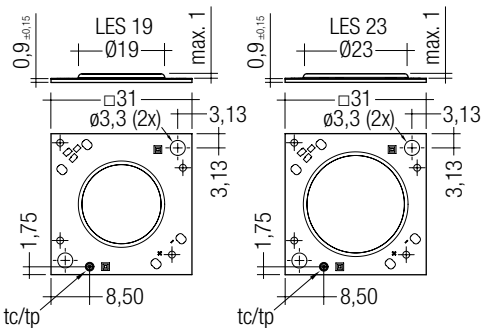
For standards see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – Dimensions in mm



Dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
SLE G4 19mm 3000lm FASHION C EXC	**89602052**	3,250 K	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm FASHION C EXC	**89602053**	3,250 K	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm FASHION H EXC	**89602050**	3,250 K	yes	no	50 pc(s).	0.009 kg
SLE G4 23mm 5000lm FASHION H EXC	**89602051**	3,250 K	yes	no	50 pc(s).	0.009 kg

Specific technical data

Type ②	Photometric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Colour rendering index CRI	Energy classification
SLE G4 19mm 3000lm – Operating mode HE at 350 mA									
SLE G4 19mm 3000lm FASHION EXC	932/349	350 mA	1,740 lm	1,590 lm	16.4 W	29.8 V	34.6 V	90	A+
SLE G4 19mm 3000lm – Operating mode NM at 1,050 mA									
SLE G4 19mm 3000lm FASHION EXC	932/349	1,050 mA	3,390 lm	2,940 lm	37.6 W	33.4 V	38.8 V	90	A
SLE G4 19mm 3000lm – Operating mode HO at 1,400 mA									
SLE G4 19mm 3000lm FASHION EXC	932/349	1,400 mA	4,330 lm	3,600 lm	52.6 W	35.1 V	40.7 V	90	A
SLE G4 23mm 5000lm – Operating mode HE at 700 mA									
SLE G4 23mm 5000lm FASHION EXC	932/349	700 mA	2,430 lm	2,240 lm	22.9 W	30.5 V	35.4 V	90	A+
SLE G4 23mm 5000lm – Operating mode NM at 1,400 mA									
SLE G4 23mm 5000lm FASHION EXC	932/349	1,400 mA	4,550 lm	3,980 lm	49.3 W	32.9 V	38.2 V	90	A
SLE G4 23mm 5000lm – Operating mode HO at 1,750 mA									
SLE G4 23mm 5000lm FASHION EXC	932/349	1,750 mA	5,510 lm	4,650 lm	63.8 W	34.0 V	39.4 V	90	A

⑦ All values at tp = 65 °C.

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

② HE ... high efficiency, NM ... nominal mode, HO ... high output.

③ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.

④ Max. permissible surge current for SLE G4 19mm 3000lm FASHION EXC: 3,360 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5000lm FASHION EXC: 4,800 mA, duration max. 10 ms.

⑤ Max. permissible repetitive peak current for SLE G4 19mm 3000lm FASHION EXC: 1,680 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5000lm FASHION EXC: 2,400 mA.

⑥ Tolerance range for optical data: ±10 %.

RoHS

TALEXmodule SLE G4 ADVANCED

TALEXmodule SLE ADVANCED

Product description

- For spotlights and downlights
- TIM variants for easy and fast assembly
- Luminous flux range from 1,510 – 8,180 lm
- High module efficacy up to 156 lm/W at tp = 25 °C
- High system efficacy up to 136 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

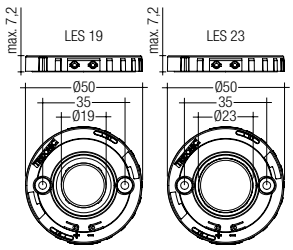
Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

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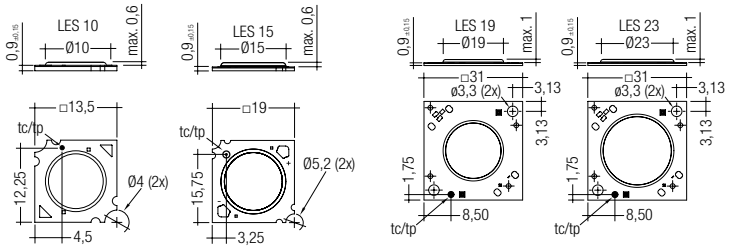
For standards see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – Dimensions in mm



Dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Thermal interface material	Connection cable	Packaging, carton	Weight per pc.
SLE G4 10mm 1200lm 827 R ADV	**28000988**	2,700 K	no	no	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 830 R ADV	**28000989**	3,000 K	no	no	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 840 R ADV	**28000990**	4,000 K	no	no	no	36 pc(s).	0.001 kg
SLE G4 15mm 2000lm 830 R ADV	**89601962**	3,000 K	no	no	no	20 pc(s).	0.009 kg
SLE G4 15mm 2000lm 840 R ADV	**89601963**	4,000 K	no	no	no	20 pc(s).	0.009 kg
SLE G4 15mm 2000lm 830 C ADV	**89601947**	3,000 K	no	no	yes	20 pc(s).	0.004 kg
SLE G4 15mm 2000lm 840 C ADV	**89601948**	4,000 K	no	no	yes	20 pc(s).	0.004 kg
SLE G4 19mm 3000lm 830 C ADV	**89601951**	3,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm 840 C ADV	**89601952**	4,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm 830 C ADV	**89601920**	3,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 23mm 5000lm 840 C ADV	**89601955**	4,000 K	no	no	yes	20 pc(s).	0.009 kg
SLE G4 19mm 3000lm 830 H ADV	**89601930**	3,000 K	yes	no	no	15 pc(s).	0.009 kg
SLE G4 19mm 3000lm 840 H ADV	**89601931**	4,000 K	yes	no	no	15 pc(s).	0.009 kg
SLE G4 23mm 5000lm 830 H ADV	**89601928**	3,000 K	yes	no	no	15 pc(s).	0.009 kg
SLE G4 23mm 5000lm 840 H ADV	**89601934**	4,000 K	yes	no	no	15 pc(s).	0.009 kg
SLE G4 19mm 3000lm 830 H ADV TIM	**89601966**	3,000 K	yes	yes	no	15 pc(s).	0.009 kg
SLE G4 19mm 3000lm 840 H ADV TIM	**89601967**	4,000 K	yes	yes	no	15 pc(s).	0.009 kg
SLE G4 23mm 5000lm 830 H ADV TIM	**89601970**	3,000 K	yes	yes	no	15 pc(s).	0.009 kg
SLE G4 23mm 5000lm 840 H ADV TIM	**89601971**	4,000 K	yes	yes	no	15 pc(s).	0.009 kg

Specific technical data

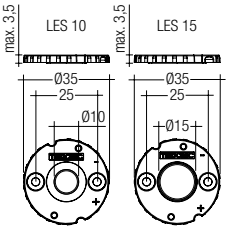
Type ②	Photometric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⑧	Colour rendering index CRI	Energy classification
SLE 10mm 1200lm – Operating mode HE at 350 mA												
SLE G4 10mm 1200lm 827 ADV	827/3x9	350 mA	1,270 lm	1,150 lm	12.7 W	33.7 V	39.5 V	98 lm/W	91 lm/W	82 lm/W	80	A+
SLE G4 10mm 1200lm 830 ADV	830/3x9	350 mA	1,350 lm	1,200 lm	12.7 W	33.7 V	39.5 V	104 lm/W	94 lm/W	85 lm/W	80	A+
SLE G4 10mm 1200lm 840 ADV	840/3x9	350 mA	1,500 lm	1,350 lm	12.7 W	33.7 V	39.5 V	115 lm/W	106 lm/W	95 lm/W	80	A+
SLE 10mm 1200lm – Operating mode HO at 500mA												
SLE G4 10mm 1200lm 827 ADV	827/3x9	500 mA	1,680 lm	1,470 lm	19.0 W	34.9 V	41.4 V	87 lm/W	77 lm/W	69 lm/W	80	A
SLE G4 10mm 1200lm 830 ADV	830/3x9	500 mA	1,780 lm	1,550 lm	19.0 W	34.9 V	41.4 V	92 lm/W	82 lm/W	74 lm/W	80	A
SLE G4 10mm 1200lm 840 ADV	840/3x9	500 mA	1,970 lm	1,720 lm	19.0 W	34.9 V	41.4 V	102 lm/W	91 lm/W	82 lm/W	80	A+
SLE 15mm 2000lm – Operating mode HE at 350 mA												
SLE G4 15mm 2000lm 830 ADV	830/3x9	350 mA	1,580 lm	1,510 lm	11.6 W	31.0 V	36.0 V	134 lm/W	130 lm/W	117 lm/W	80	A+
SLE G4 15mm 2000lm 840 ADV	840/3x9	350 mA	1,730 lm	1,650 lm	11.6 W	31.0 V	36.0 V	147 lm/W	142 lm/W	128 lm/W	80	A++
SLE 15mm 2000lm – Operating mode NM												
SLE G4 15mm 2000lm 830 ADV	830/3x9	500 mA	2,190 lm	2,080 lm	17.3 W	32.2 V	37.4 V	125 lm/W	120 lm/W	108 lm/W	80	A+
SLE G4 15mm 2000lm 840 ADV	840/3x9	500 mA	2,380 lm	2,270 lm	17.3 W	32.2 V	37.4 V	136 lm/W	131 lm/W	118 lm/W	80	A+
SLE 15mm 2000lm – Operating mode HO at 700 mA												
SLE G4 15mm 2000lm 830 ADV	830/3x9	700 mA	2,920 lm	2,770 lm	25.3 W	33.8 V	39.2 V	114 lm/W	109 lm/W	99 lm/W	80	A+
SLE G4 15mm 2000lm 840 ADV	840/3x9	700 mA	3,170 lm	2,920 lm	25.3 W	33.8 V	39.2 V	123 lm/W	115 lm/W	104 lm/W	80	A+
SLE 19mm 3000lm – Operating mode HE at 500 mA												
SLE G4 19mm 3000lm 830 ADV	830/3x9	500 mA	2,350 lm	2,240 lm	16.4 W	30.7 V	35.6 V	141 lm/W	137 lm/W	123 lm/W	80	A++
SLE G4 19mm 3000lm 840 ADV	840/3x9	500 mA	2,540 lm	2,420 lm	16.4 W	30.7 V	35.6 V	152 lm/W	148 lm/W	133 lm/W	80	A++
SLE 19mm 3000lm – Operating mode NM												
SLE G4 19mm 3000lm 830 ADV	830/3x9	1,050 mA	4,550 lm	4,340 lm	37.6 W	33.4 V	38.8 V	119 lm/W	115 lm/W	104 lm/W	80	A+
SLE G4 19mm 3000lm 840 ADV	840/3x9	1,050 mA	4,880 lm	4,520 lm	37.6 W	33.4 V	38.8 V	128 lm/W	120 lm/W	108 lm/W	80	A+
SLE 19mm 3000lm – Operating mode HO at 1,400 mA												
SLE G4 19mm 3000lm 830 ADV	830/3x9	1,400 mA	5,800 lm	5,210 lm	52.6 W	35.1 V	40.7 V	109 lm/W	99 lm/W	89 lm/W	80	A+
SLE G4 19mm 3000lm 840 ADV	840/3x9	1,400 mA	6,200 lm	5,400 lm	52.6 W	35.1 V	40.7 V	116 lm/W	103 lm/W	92 lm/W	80	A+
SLE 23mm 5000lm – Operating mode HE at 700 mA												
SLE G4 23mm 5000lm 830 ADV	830/3x9	700 mA	3,410 lm	3,250 lm	22.9 W	30.5 V	35.4 V	147 lm/W	142 lm/W	128 lm/W	80	A++
SLE G4 23mm 5000lm 840 ADV	840/3x9	700 mA	3,630 lm	3,460 lm	22.9 W	30.5 V	35.4 V	156 lm/W	151 lm/W	136 lm/W	80	A++
SLE 23mm 5000lm – Operating mode NM												
SLE G4 23mm 5000lm 830 ADV	830/3x9	1,400 mA	6,320 lm	5,970 lm	49.3 W	32.9 V	38.2 V	126 lm/W	121 lm/W	109 lm/W	80	A+
SLE G4 23mm 5000lm 840 ADV	840/3x9	1,400 mA	6,760 lm	6,250 lm	49.3 W	32.9 V	38.2 V	135 lm/W	127 lm/W	114 lm/W	80	A+
SLE 23mm 5000lm – Operating mode HO at 1,750 mA												
SLE G4 23mm 5000lm 830 ADV	830/3x9	1,750 mA	7,630 lm	6,910 lm	63.8 W	34.0 V	39.4 V	118 lm/W	108 lm/W	97 lm/W	80	A+
SLE G4 23mm 5000lm 840 ADV	840/3x9	1,750 mA	8,180 lm	7,250 lm	63.8 W	34.0 V	39.4 V	126 lm/W	114 lm/W	102 lm/W	80	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for SLE G4 15mm 2000lm 8x0 ADV: 1,920 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 19mm 3000lm 8x0 ADV: 3,360 mA, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5000lm 8x0 ADV: 4,800 mA, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 15mm 2000lm 9x0 EXC is 960 mA.
Max. permissible repetitive peak current for SLE G4 19mm 3000lm 9x0 EXC is 1,680 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5000lm 9x0 EXC is 2,400 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

ACCES-
SORIES

SLE G4 housing for LES 10 / LES 15





Product description

- Housing for LES 10 / LES 15
- Diameter: 35 mm

Ordering data

Type	Article number	Packaging, bag	Weight per pc.
SLE HOUSING LES 10	**28001038**	100 pc(s).	0.002 kg
SLE HOUSING LES 15	**28001039**	100 pc(s).	0.002 kg

NEW

TALEXmodule SLE G4 15mm 2000lm 8x0 ADV D50

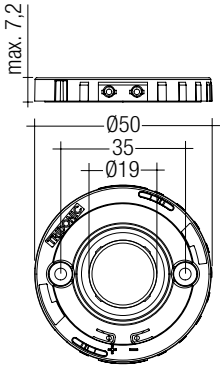
TALEXmodule SLE ADVANCED

Product description

- For spotlights and downlights
- Luminous flux range from 1,510 – 3,170 lm
- High module efficacy up to 147 lm/W at tp = 25 °C
- High system efficacy up to 128 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Integrated LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	115°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Housing	Thermal interface material	Connection cable	Packaging, carton	Weight per pc.
SLE G4 15mm 2000lm 830 H ADV D50	**89602073**	3,000 K	yes	no	no	50 pc(s).	0.004 kg
SLE G4 15mm 2000lm 840 H ADV D50	**89602074**	4,000 K	yes	no	no	50 pc(s).	0.004 kg

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For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

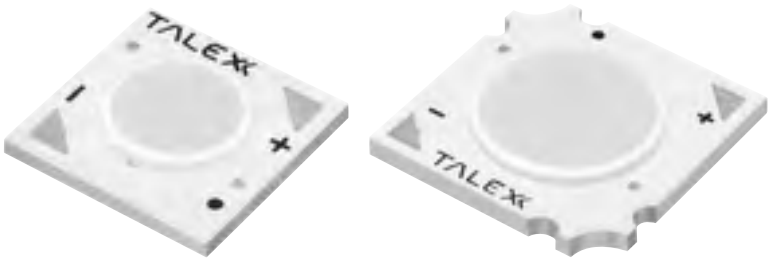
Type②	Photometric code	Forward current ③④⑤	Luminous flux at tp = 25 °C⑥	Luminous flux at tp = 65 °C⑥	Power consumption⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C⑧	Colour rendering index CRI	Energy classification
SLE 15mm 2000lm – Operating mode HE at 350 mA												
SLE G4 15mm 2000lm 830 ADV	830/3x9	350 mA	1,580 lm	1,510 lm	11.6 W	31.0 V	36.0 V	134 lm/W	130 lm/W	117 lm/W	80	A+
SLE G4 15mm 2000lm 830 ADV	840/3x9	350 mA	1,730 lm	1,650 lm	11.6 W	31.0 V	36.0 V	147 lm/W	142 lm/W	128 lm/W	80	A++
SLE 15mm 2000lm – Operating mode NM												
SLE G4 15mm 2000lm 830 ADV	830/3x9	500 mA	2,190 lm	2,080 lm	17.3 W	32.2 V	37.4 V	125 lm/W	120 lm/W	108 lm/W	80	A+
SLE G4 15mm 2000lm 830 ADV	840/3x9	500 mA	2,380 lm	2,270 lm	17.3 W	32.2 V	37.4 V	136 lm/W	131 lm/W	118 lm/W	80	A+
SLE 15mm 2000lm – Operating mode HO at 700 mA												
SLE G4 15mm 2000lm 830 ADV	830/3x9	700 mA	2,920 lm	2,770 lm	25.3 W	33.8 V	39.2 V	114 lm/W	109 lm/W	99 lm/W	80	A+
SLE G4 15mm 2000lm 830 ADV	840/3x9	700 mA	3,170 lm	2,920 lm	25.3 W	33.8 V	39.2 V	123 lm/W	115 lm/W	104 lm/W	80	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for SLE G4 15mm 2000lm 8x0 H ADV D50: 2,400 mA, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 15mm 2000lm 8x0 H ADV D50: 1,200 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

RoHS

TALEXmodule SLE G4 6mm R SNC, SLE G4 10mm R SNC

TALEXmodule SLE ESSENCE



Product description

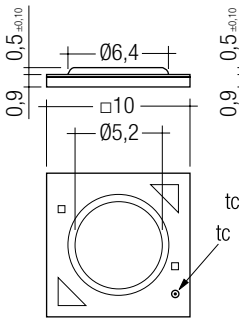
- For general lighting application
- Typ. luminous flux category: 300/600/800/1,200 lm
- High module efficacy up to 133 lm/W at tp = 25 °C
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Housing for LES10 is available as an option
- Cooling required
- Flexible operating mode

→ For product data sheet go to www.tridonic.com, or available on request

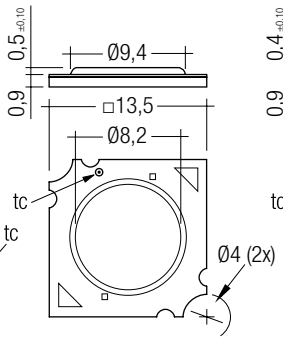
Technical data

Beam characteristic	115°
Ambient temperature ta	-30 ... +75 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ②	up to 100 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

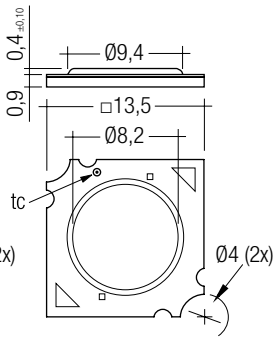
SLE G4 6mm, 300lm



SLE G4 10mm, 600/800lm



SLE G4 10mm, 1200lm



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For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
SLE G4 6mm 300lm 827 R SNC	**28000817**	2,700 K	no	50 pc(s).	0.001 kg
SLE G4 6mm 300lm 830 R SNC	**28000818**	3,000 K	no	50 pc(s).	0.001 kg
SLE G4 10mm 600lm 827 R SNC	**28000821**	2,700 K	no	36 pc(s).	0.001 kg
SLE G4 10mm 600lm 830 R SNC	**28000822**	3,000 K	no	36 pc(s).	0.001 kg
SLE G4 10mm 800lm 827 R SNC	**28000825**	2,700 K	no	36 pc(s).	0.001 kg
SLE G4 10mm 800lm 830 R SNC	**28000826**	3,000 K	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 827 R SNC	**28000829**	2,700 K	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 830 R SNC	**28000830**	3,000 K	no	36 pc(s).	0.001 kg
SLE G4 10mm 1200lm 840 R SNC	**28000831**	4,000 K	no	36 pc(s).	0.001 kg

Specific technical data

Type	Photometric code	Forward current ③④⑤	Luminous flux at tp = 25 °C	Luminous flux at tp = 65 °C	Power consumption ⑥	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Colour rendering index CRI	Energy classification
SLE G4 6mm 300lm 827 R SNC	827/359	350 mA	414 lm	362 lm	3.07 W	8.11 V	9.64 V	129 lm/W	116 lm/W	82	A+
SLE G4 6mm 300lm 830 R SNC	831/359	350 mA	427 lm	374 lm	3.07 W	8.11 V	9.64 V	133 lm/W	120 lm/W	82	A+
SLE G4 10mm 600lm 827 R SNC	827/359	700 mA	798 lm	705 lm	6.36 W	8.43 V	9.96 V	122 lm/W	110 lm/W	82	A+
SLE G4 10mm 600lm 830 R SNC	831/359	700 mA	830 lm	737 lm	6.36 W	8.43 V	9.96 V	128 lm/W	115 lm/W	82	A+
SLE G4 10mm 800lm 827 R SNC	827/359	250 mA	1,081 lm	944 lm	9.11 W	33.93 V	39.91 V	115 lm/W	105 lm/W	82	A+
SLE G4 10mm 800lm 830 R SNC	831/359	250 mA	1,109 lm	980 lm	9.11 W	33.93 V	39.91 V	118 lm/W	109 lm/W	82	A+
SLE G4 10mm 1200lm 827 R SNC	827/359	350 mA	1,480 lm	1,274 lm	12.66 W	33.53 V	39.63 V	112 lm/W	102 lm/W	82	A+
SLE G4 10mm 1200lm 830 R SNC	831/359	350 mA	1,535 lm	1,349 lm	12.66 W	33.53 V	39.63 V	117 lm/W	108 lm/W	82	A+
SLE G4 10mm 1200lm 840 R SNC	841/359	350 mA	1,593 lm	1,374 lm	12.66 W	33.53 V	39.63 V	122 lm/W	110 lm/W	82	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEX module at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.
② If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEX module at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.
③ Exceeding the max. operating current leads to an overload on the TALEX module.
This may in turn result in a significant reduction in life-time or even destruction of the TALEX module.
④ Max. permissible surge current for SLE G4 6mm 300lm xxx R SNC: 1.44 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 10mm 600lm xxx R SNC: 2.4 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 10mm 800lm xxx R SNC: 0.8 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 10mm 1,200lm xxx R SNC: 1.2 A, duration max. 10 ms.
⑤ Max. permissible repetitive peak current for SLE G4 6mm 300lm xxx R SNC: 720 mA.
Max. permissible repetitive peak current for SLE G4 10mm 600lm xxx R SNC: 1,200 mA.
Max. permissible repetitive peak current for SLE G4 10mm 800lm xxx R SNC: 400 mA.
Max. permissible repetitive peak current for SLE G4 10mm 1200lm xxx R SNC: 600 mA.
⑥ All values at tp = 65 °C.

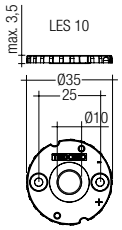
ACCES-SORIES

SLE G4 housing for LES 10

Product description

- Housing for LES 10
- Diameter: 35 mm





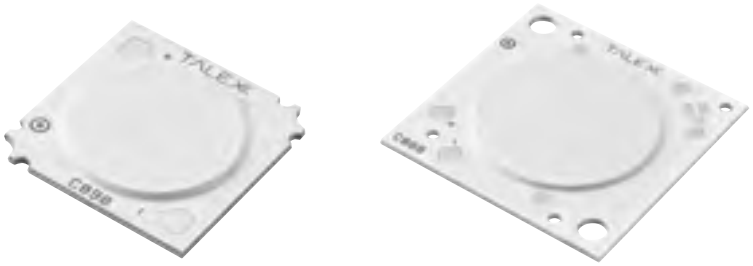
Ordering data

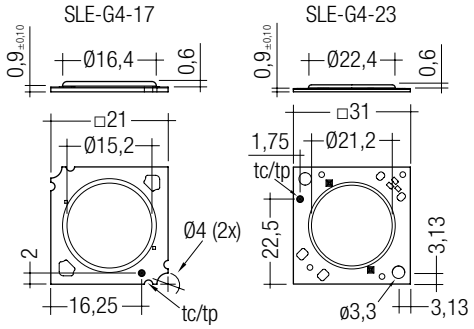
Type	Article number	Packaging, bag	Weight per pc.
SLE HOUSING LES 10	**28001038**	100 pc(s).	0.002 kg

RoHS

TALEXmodule SLE G4 17mm R SNC, SLE G4 23mm R SNC

TALEXmodule SLE ESSENCE





Dimensions in mm

Product description

- For general lighting application
- Typ. luminous flux category: 2,000/3,000/5,000 lm
- High module efficacy up to 156 lm/W at tp = 25 °C
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Housing for LES23 is available as an option
- Cooling required
- Flexible operating mode

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam characteristic	115°
Ambient temperature ta	-30 ... +75 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ②	up to 100 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
SLE G4 17mm 2000lm 830 R SNC	**28000971**	3,000 K	no	25 pc(s).	0.001 kg
SLE G4 17mm 2000lm 840 R SNC	**28000972**	4,000 K	no	25 pc(s).	0.001 kg
SLE G4 17mm 2000lm 850 R SNC	**28000973**	5,000 K	no	25 pc(s).	0.001 kg
SLE G4 17mm 3000lm 830 R SNC	**28000976**	3,000 K	no	25 pc(s).	0.001 kg
SLE G4 17mm 3000lm 840 R SNC	**28000977**	4,000 K	no	25 pc(s).	0.001 kg
SLE G4 17mm 3000lm 850 R SNC	**28000978**	5,000 K	no	25 pc(s).	0.001 kg
SLE G4 23MM 5000LM 830 R SNC	**28000982**	3,000 K	no	15 pc(s).	0.002 kg
SLE G4 23MM 5000LM 840 R SNC	**28000983**	4,000 K	no	15 pc(s).	0.002 kg
SLE G4 23MM 5000LM 850 R SNC	**28000984**	5,000 K	no	15 pc(s).	0.002 kg

Specific technical data

Type	Photometric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Colour rendering index CRI	Energy classification
SLE G4 17mm 2000lm 830 R SNC	831/349	500 mA	2,475 lm	2,200 lm	17.9 W	33.3 V	39.4 V	135 lm/W	122 lm/W	82	A+
SLE G4 17mm 2000lm 840 R SNC	841/349	500 mA	2,600 lm	2,300 lm	17.9 W	33.3 V	39.4 V	141 lm/W	128 lm/W	82	A+
SLE G4 17mm 2000lm 850 R SNC	850/459	500 mA	2,660 lm	2,360 lm	17.9 W	33.3 V	39.4 V	145 lm/W	131 lm/W	82	A+
SLE G4 17mm 3000lm 830 R SNC	831/349	900 mA	4,225 lm	3,720 lm	33.5 W	34.5 V	40.7 V	126 lm/W	112 lm/W	82	A+
SLE G4 17mm 3000lm 840 R SNC	841/349	900 mA	4,370 lm	3,850 lm	33.5 W	34.5 V	40.7 V	130 lm/W	116 lm/W	82	A+
SLE G4 17mm 3000lm 850 R SNC	850/459	900 mA	4,480 lm	3,945 lm	33.5 W	34.5 V	40.7 V	133 lm/W	119 lm/W	82	A+
SLE G4 23MM 5000LM 830 R SNC	831/349	1,400 mA	6,590 lm	5,835 lm	52.0 W	34.6 V	40.7 V	126 lm/W	112 lm/W	82	A+
SLE G4 23MM 5000LM 840 R SNC	841/349	1,400 mA	7,000 lm	6,110 lm	52.0 W	34.6 V	40.7 V	131 lm/W	118 lm/W	82	A+
SLE G4 23MM 5000LM 850 R SNC	850/459	1,400 mA	7,170 lm	6,320 lm	52.0 W	34.6 V	40.7 V	134 lm/W	122 lm/W	82	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEX module at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.

② If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged.
The temperature of the TALEX module at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the drawing in the data sheet.

③ Exceeding the max. operating current leads to an overload on the TALEX module.
This may in turn result in a significant reduction in life-time or even destruction of the TALEX module.

④ Max. permissible surge current for SLE G4 17mm 2,000lm xxx R SNC: 1.92 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 17mm 3,000lm xxx R SNC: 2.88 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5,000lm xxx R SNC: 4.32 A, duration max. 10 ms.

⑤ Max. permissible repetitive peak current for SLE G4 17mm 2,000lm xxx R SNC: 960 mA.
Max. permissible repetitive peak current for SLE G4 17mm 3,000lm xxx R SNC: 1,440 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5,000lm xxx R SNC: 2,160 mA.

⑥ Tolerance range for optical data: ±10 %.

⑦ All values at tp = 65 °C.

NEW

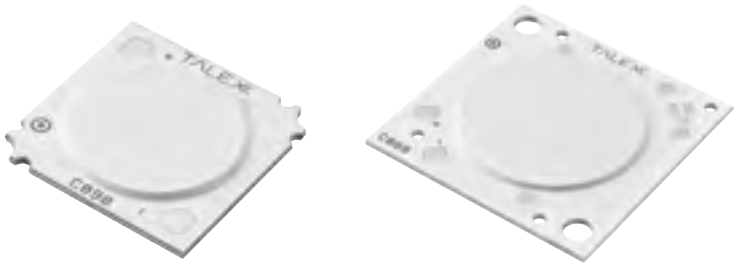
TALEXmodule SLE G4 17mm FAS R SNC, SLE G4 23mm FAS R SNC

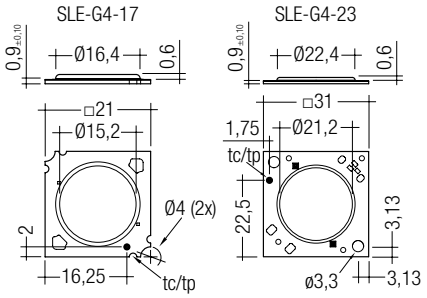
TALEXmodule SLE ESSENCE

Product description

- For general lighting application
- Typ. luminous flux category: 2,000/3,000/5,000 lm
- High module efficacy up to 115 lm/W at tp = 25 °C
- Small LES (light emitting surface) diameter enables small beam angle for spotlights
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Housing for LES23 is available as an option
- Cooling required
- Flexible operating mode

→ For product data sheet go to www.tridonic.com, or available on request





Dimensions in mm

Technical data

Beam characteristic	115°
Ambient temperature ta	-30 ... +75 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 100 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
SLE G4 17mm 2000lm 930 FAS R SNC	**28001068**	3,250 K	no	25 pc(s).	0.001 kg
SLE G4 17mm 3000lm 930 FAS R SNC	**28000981**	3,250 K	no	25 pc(s).	0.001 kg
SLE G4 23MM 5000LM 930 FAS R SNC	**28000987**	3,250 K	no	15 pc(s).	0.002 kg

Specific technical data

Type	Photometric code	Forward current ② ③ ④	Luminous flux at tp = 25 °C ⑤	Luminous flux at tp = 65 °C ⑤	Power consumption	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Colour rendering index CRI	Energy classification
SLE G4 17mm 2000lm 930 FAS R SNC	932/349	500 mA	2,110 lm	1,840 lm	18.0 W	33.3 V	38.6 V	115 lm/W	102 lm/W	92	A+
SLE G4 17mm 3000lm 930 FAS R SNC	932/349	900 mA	3,530 lm	3,050 lm	33.5 W	34.5 V	39.8 V	105 lm/W	92 lm/W	92	A+
SLE G4 23MM 5000LM 930 FAS R SNC	932/349	1,400 mA	5,500 lm	4,800 lm	52.0 W	34.6 V	39.8 V	105 lm/W	92 lm/W	92	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.
② Exceeding the max. operating current leads to an overload on the TALEXmodule. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
③ Max. permissible surge current for SLE G4 17mm 2,000lm xxx R SNC: 1.92 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 17mm 3,000lm xxx R SNC: 2.88 A, duration max. 10 ms.
Max. permissible surge current for SLE G4 23mm 5,000lm xxx R SNC: 4.32 A, duration max. 10 ms.
④ Max. permissible repetitive peak current for SLE G4 17mm 2,000lm xxx R SNC: 960 mA.
Max. permissible repetitive peak current for SLE G4 17mm 3,000lm xxx R SNC: 1,440 mA.
Max. permissible repetitive peak current for SLE G4 23mm 5,000lm xxx R SNC: 2,160 mA.
⑤ Tolerance range for optical and electrical data: ±10 %.

TALEX(module STARK CLE-80-1000, CLE-80-2000 CLASSIC

TALEX(module CLE

Produktbeschreibung

- Die Lösung für runde Downlights
- Konstruiert für einfachen und kosteneffizienten Downlight-Einbau
- Kein Reflektor oder zusätzliches Modulgehäuse erforderlich
- Moduleffizienz bis zu 139 lm/W
- Hohe Farbwiedergabe Ra > 80
- Enge Farbtoleranz (MacAdam 3) ①
- Farbtemperaturen 3.000 und 4.000 K
- Hohe Lebensdauer: 50.000 Stunden, 5 Jahre Garantie

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

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For standards see data sheet

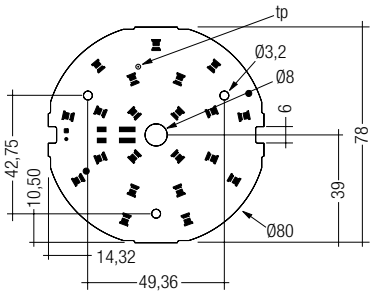
For colour temperatures and tolerances see data sheet



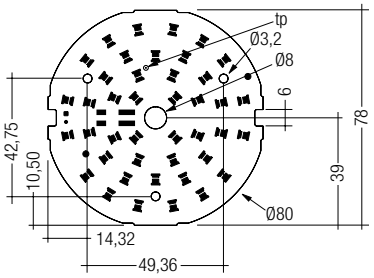
CLE 80 mm 1000 lm



CLE 80 mm 2000 lm



CLE 80 mm 1000 lm



CLE 80 mm 2000 lm

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-CLE-80-1000-830-CLA	**89602001**	3,000 K	20 pc(s).	0.018 kg
STARK-CLE-80-1000-840-CLA	**89602002**	4,000 K	20 pc(s).	0.018 kg
STARK-CLE-80-2000-830-CLA	**89602003**	3,000 K	20 pc(s).	0.025 kg
STARK-CLE-80-2000-840-CLA	**89602004**	4,000 K	20 pc(s).	0.025 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 65 °C ②	Typ. forward current ② ③ ④	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ②	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode at 350 mA												
STARK-CLE-80-1000-830-CLA	830/349	980 lm	930 lm	350 mA	20.8 V	24.5 V	7.5 W	127 lm/W	124 lm/W	104 lm/W	> 80	A+
STARK-CLE-80-1000-840-CLA	840/349	1,070 lm	1,020 lm	350 mA	20.8 V	24.5 V	7.5 W	139 lm/W	136 lm/W	114 lm/W	> 80	A++
Operating mode at 700mA												
STARK-CLE-80-2000-830-CLA	830/349	1,960 lm	1,860 lm	700 mA	20.8 V	24.5 V	14.9 W	128 lm/W	125 lm/W	106 lm/W	> 80	A+
STARK-CLE-80-2000-840-CLA	840/349	2,140 lm	2,040 lm	700 mA	20.8 V	24.5 V	14.9 W	139 lm/W	137 lm/W	116 lm/W	> 80	A++

① Integrated measurement over the whole module.
② Tolerance range for optical and electrical data: ±10 %.
③ Max. permissible repetitive peak current for CLE-80-1000 is 540 mA.
Max. permissible repetitive peak current for CLE-80-2000 is 1,080 mA.
④ Max. permissible surge current for CLE-80-1000: 0.72 A, duration max. 10 ms.
Max. permissible surge current for CLE-80-2000: 1.44 A, duration max. 10 ms.

TALEXmodule STARK CLE 120-2200 CLASSIC / CLE 130-2500 CLASSIC

TALEXmodule CLE

Product description

- Designed for diffuser downlights and wallmounted luminaires
- Ideal to realise simple luminarie designs
- For easy adaptation to existing luminarie architecture
- Luminarie body can act as heat sink
- Efficiency of the module up to 115 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Colour temperatures 3,000 and 4,000 K
- Long life-time: 50,000 hours, 5-year guarantee

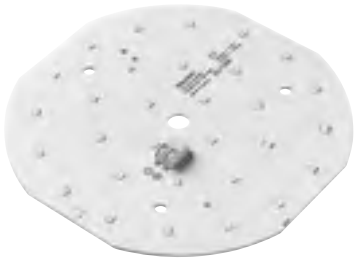
→ For product data sheet go to www.tridonic.com, or available on request

Technical data

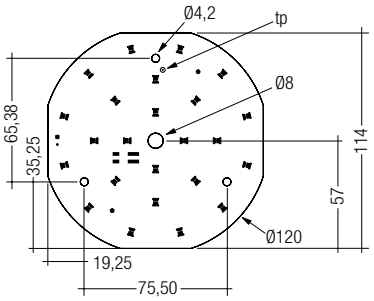
Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00



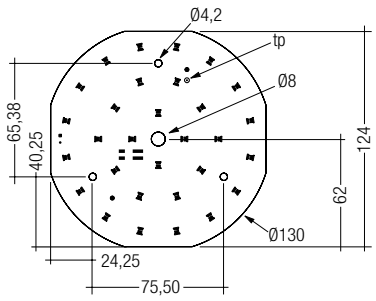
CLE 120



CLE 130



CLE 120



CLE 130

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-CLE-120-2000-830-CLA	**89600431**	3,000 K	20 pc(s).	0.030 kg
STARK-CLE-120-2000-840-CLA	**89600432**	4,000 K	20 pc(s).	0.030 kg
STARK-CLE-130-2500-830-CLA	**89601924**	3,000 K	15 pc(s).	0.043 kg
STARK-CLE-130-2500-840-CLA	**89601925**	4,000 K	15 pc(s).	0.043 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 65 °C ②	Typ. forward current ② ③ ④	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ②	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode at 700mA												
STARK-CLE-120-2000-830-CLA	830/349	2,080 lm	1,980 lm	700 mA	21.5 V	29.0 V	17.7 W	115 lm/W	112 lm/W	95 lm/W	> 80	A+
STARK-CLE-120-2000-840-CLA	840/349	2,080 lm	1,980 lm	700 mA	21.5 V	29.0 V	17.7 W	115 lm/W	112 lm/W	95 lm/W	> 80	A+
STARK-CLE-130-2500-830-CLA	830/349	2,600 lm	2,480 lm	700 mA	26.9 V	36.9 V	22.1 W	115 lm/W	112 lm/W	99 lm/W	> 80	A+
STARK-CLE-130-2500-840-CLA	830/349	2,600 lm	2,480 lm	700 mA	26.9 V	36.9 V	22.1 W	115 lm/W	112 lm/W	99 lm/W	> 80	A+

① Integrated measurement over the whole module.
② Tolerance range for optical and electrical data: ±10 %.
③ Max. permissible repetitive peak current: 900 mA.
④ Max. permissible surge current: 1.2 A, duration max. 10 ms.

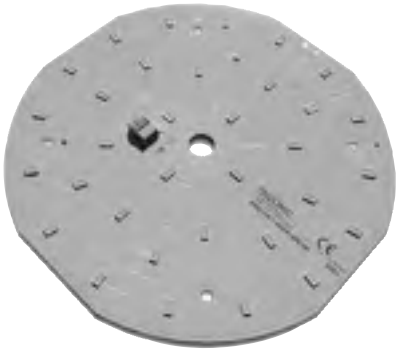
TALEXmodule STARK CLE 160-2200 CLASSIC

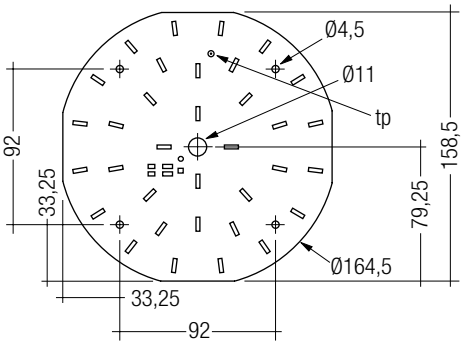
TALEXmodule CLE

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
- Efficiency of the module up to 125 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +50 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-CLE-160-2200-830-CLA	**89601846**	3,000 K	50 pc(s).	0.074 kg
STARK-CLE-160-2200-840-CLA	**89601847**	4,000 K	50 pc(s).	0.074 kg

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 65 °C ②	Typ. forward current ② ③ ④	Typ. forward voltage	Typ. power consumption at tp = 65 °C ②	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Operating mode at 350 mA											
STARK-CLE-160-2200-830-CLA	830/4xx	2,130 lm	2,050 lm	350 mA	51.4 V	18 W	118 lm/W	114 lm/W	97 lm/W	> 80	A+
STARK-CLE-160-2200-840-CLA	840/4xx	2,280 lm	2,190 lm	350 mA	51.4 V	18 W	127 lm/W	122 lm/W	104 lm/W	> 80	A+

① Integrated measurement over the whole module.
② Tolerance range for optical and electrical data: ±10 %.
③ Max. permissible repetitive peak current: 480 mA.
④ Max. permissible surge current: 0.54 A, duration max. 10 ms.

RoHS

TALEXmodule STARK CLE-G2-160-3000 CLASSIC

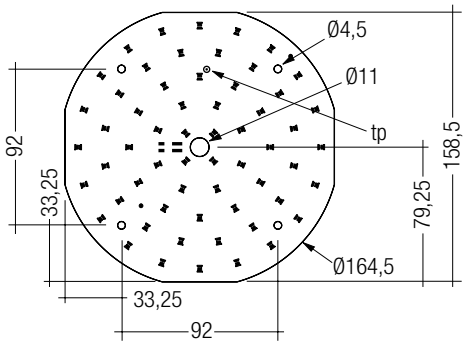
TALEXmodule CLE

Product description

- Designed for diffuser downlights and wallmounted luminaires
- Ideal to realise simple luminarie designs
- For easy adaptation to existing luminarie architecture
- Self-cooling (no additional heat sink required)
- Efficacy of the module up to 151 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Colour temperatures 3,000 and 4,000 K
- Long life-time: 50,000 hours, 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-CLE-G2-160-3000-830-CLA	**89602005**	3,000 K	50 pc(s).	0.072 kg
STARK-CLE-G2-160-3000-840-CLA	**89602006**	4,000 K	50 pc(s).	0.072 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 350 mA												
STARK-CLE-G2-160-3000-830-CLA	830/349	2,180 lm	2,070 lm	350 mA	41.6 V	49.0 V	15.3 W	139 lm/W	135 lm/W	115 lm/W	> 80	A+
STARK-CLE-G2-160-3000-840-CLA	840/349	2,370 lm	2,250 lm	350 mA	41.6 V	49.0 V	15.3 W	151 lm/W	147 lm/W	125 lm/W	> 80	A++
Operating mode HO at 500 mA												
STARK-CLE-G2-160-3000-830-CLA	830/349	2,990 lm	2,830 lm	500 mA	45.1 V	53.1 V	23.1 W	126 lm/W	123 lm/W	107 lm/W	> 80	A+
STARK-CLE-G2-160-3000-840-CLA	840/349	3,260 lm	3,100 lm	500 mA	45.1 V	53.1 V	23.1 W	138 lm/W	134 lm/W	117 lm/W	> 80	A+

① Integrated measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 720 mA.
⑤ Max. permissible surge current: 0.96 A, duration max. 10 ms.

NEW

TALEXmodule CLE G2 190mm 1500lm ADV EM

TALEXmodule CLE

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
- LED system solution consisting of the LED module, the control gear with integrated emergency function and SWITCH sensor
- Based on circular and TC-DD fluorescent lamps
- Efficacy of the module up to 147 lm/W
- SO version is compatible with SWITCH Sensor HF 5BP
- Integrated separate emergency LEDs controlled by EM powerLED
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 3 ③
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Push terminals for quick and simple wiring
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee
- CLE 190: Round Shape enabling a bigger LED area for a better spread of light (by keeping the same position of mounting holes)

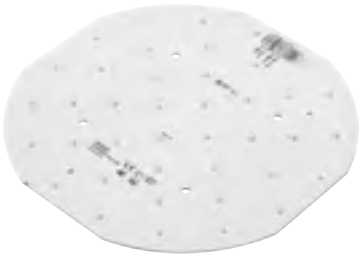
→ Produktdatenblatt auf www.tridonic.com oder auf Anfrage

Technical data

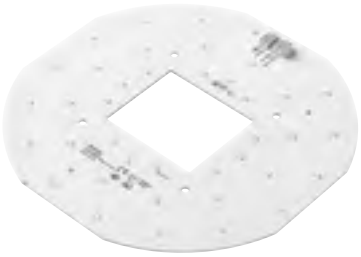
Beam characteristic	120°
Ambient temperature range	-25 ... +45 °C
tp rated	65 °C
tc	85 °C
Max. DC forward current	720 mA
Max. permissible LF current ripple	790 mA
Max. permissible peak current	960 mA / max. 10 ms
Max. permissible output voltage of LED Driver ②	300 V
Insulation test voltage	1.6 kV
ESD classification	severity level 4
Risk group (EN 62471:2008)	1
Type of protection	IP00

For standards see data sheet

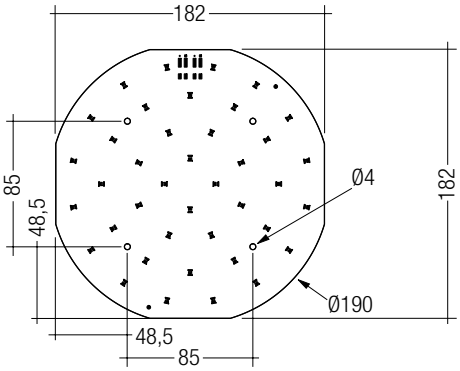
For colour temperatures and tolerances see data sheet



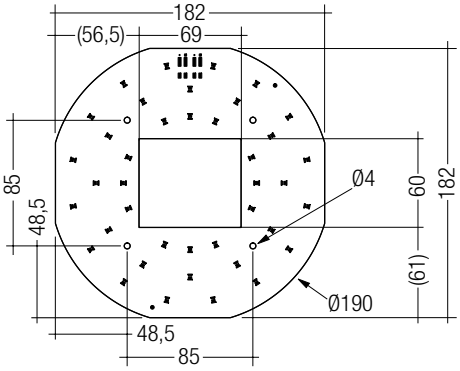
CLE G2 190mm 1500lm ADV EM



CLE G2 190mm 1500lm ADV EM SO



CLE G2 190mm 1500lm ADV EM



CLE G2 190mm 1500lm ADV EM SO

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE G2 190mm 1500lm 830 ADV EM	**89600437**	3,000 K	50 pc(s).	0.167 kg
CLE G2 190mm 1500lm 840 ADV EM	**89600570**	4,000 K	50 pc(s).	0.167 kg
CLE G2 190mm 1500lm 830 ADV EM SO	**89600571**	3,000 K	50 pc(s).	0.167 kg
CLE G2 190mm 1500lm 840 ADV EM SO	**89600572**	4,000 K	50 pc(s).	0.167 kg

Spezifische technische Daten

Type [4]	Photo-metric code	Typ. luminous flux at tp = 25 °C [1]	Typ. luminous flux at tp = 65 °C [1]	Typ. forward current	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C [1]	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI
CLE G2 190mm – Operating mode HE											
CLE G2 190mm 1500lm 830 ADV EM	830/349	1,370 lm	1,300 lm	350 mA	25.0 V	28.4 V	9.2 W	146 lm/W	141 lm/W	127 lm/W	> 80
CLE G2 190mm 1500lm 840 ADV EM	840/349	1,490 lm	1,420 lm	350 mA	25.0 V	28.4 V	9.2 W	159 lm/W	154 lm/W	139 lm/W	> 80
CLE G2 190mm 1500lm 830 ADV EM SO	830/349	1,370 lm	1,300 lm	350 mA	25.0 V	28.4 V	9.2 W	146 lm/W	141 lm/W	127 lm/W	> 80
CLE G2 190mm 1500lm 840 ADV EM SO	840/349	1,490 lm	1,420 lm	350 mA	25.0 V	28.4 V	9.2 W	159 lm/W	154 lm/W	139 lm/W	> 80
CLE G2 190mm – Operating mode HO											
CLE G2 190mm 1500lm 830 ADV EM	830/349	1,880 lm	1,790 lm	500 mA	27.1 V	30.8 V	13.8 W	132 lm/W	130 lm/W	117 lm/W	> 80
CLE G2 190mm 1500lm 840 ADV EM	840/349	2,050 lm	1,950 lm	500 mA	27.1 V	30.8 V	13.8 W	144 lm/W	141 lm/W	127 lm/W	> 80
CLE G2 190mm 1500lm 830 ADV EM SO	830/349	1,880 lm	1,790 lm	500 mA	27.1 V	30.8 V	13.8 W	132 lm/W	130 lm/W	117 lm/W	> 80
CLE G2 190mm 1500lm 840 ADV EM SO	840/349	2,050 lm	1,950 lm	500 mA	27.1 V	30.8 V	13.8 W	144 lm/W	141 lm/W	127 lm/W	> 80
CLE G2 190mm – Emergency mode at 320 mA (EM powerLED NM 1 W BASIC, EM powerLED 15 W BASIC CLE NiCd)											
CLE G2 190mm 1500lm 830 ADV EM	830/349	145 lm	140 lm	320 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM	840/349	150 lm	145 lm	320 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 830 ADV EM SO	830/349	145 lm	140 lm	320 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM SO	840/349	150 lm	145 lm	320 mA	–	–	–	–	–	–	> 80
CLE G2 190mm – Emergency operation at 350 mA (EM powerLED 1 W)											
CLE G2 190mm 1500lm 830 ADV EM	830/349	155 lm	150 lm	350 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM	840/349	165 lm	155 lm	350 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 830 ADV EM SO	830/349	155 lm	150 lm	350 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM SO	840/349	165 lm	155 lm	350 mA	–	–	–	–	–	–	> 80
CLE G2 190mm – Emergency operation at 400 mA (EM powerLED 15 W BASIC CLE NiMH)											
CLE G2 190mm 1500lm 830 ADV EM	830/349	170 lm	160 lm	400 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM	840/349	185 lm	175 lm	400 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 830 ADV EM SO	830/349	170 lm	160 lm	400 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM SO	840/349	185 lm	175 lm	400 mA	–	–	–	–	–	–	> 80
CLE G2 190mm – Emergency operation at 600 mA (EM powerLED 2 W)											
CLE G2 190mm 1500lm 830 ADV EM	830/349	250 lm	230 lm	600 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM	840/349	270 lm	255 lm	600 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 830 ADV EM SO	830/349	250 lm	230 lm	600 mA	–	–	–	–	–	–	> 80
CLE G2 190mm 1500lm 840 ADV EM SO	840/349	270 lm	255 lm	600 mA	–	–	–	–	–	–	> 80

[1] Tolerance range for optical and electrical data: ±10 %.
[2] If mounted with M4 screws and plastic washers.
[3] Integrated measurement over the whole module.
[4] HE ... high efficiency, HO ... high output.

NEW

TALEXmodule CLE 220mm 1500lm ADV EM, CLE 315mm 4000lm ADV EM

TALEXmodule CLE

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
- LED system solution consisting of the LED module, the control gear with integrated emergency function and SWITCH sensor
- Based on circular and TC-DD fluorescent lamps
- Efficacy of the module up to 147 lm/W
- SO version is compatible with SWITCH Sensor HF 5BP
- Integrated separate emergency LEDs controlled by EM powerLED
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 3 ④
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Push terminals for quick and simple wiring
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee
- CLE 220: Round Shape enabling a bigger LED area for a better spread of light (by keeping the same position of mounting holes)

→ For product data sheet go to www.tridonic.com, or available on request

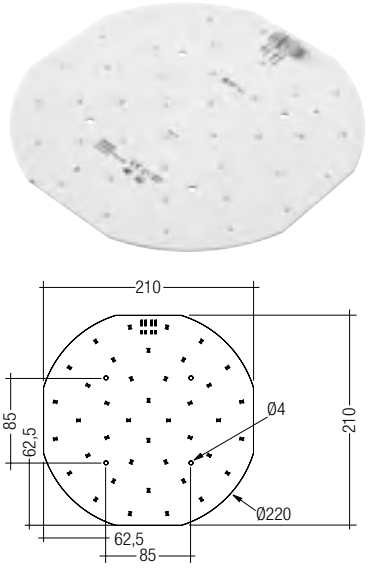
Technical data

Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

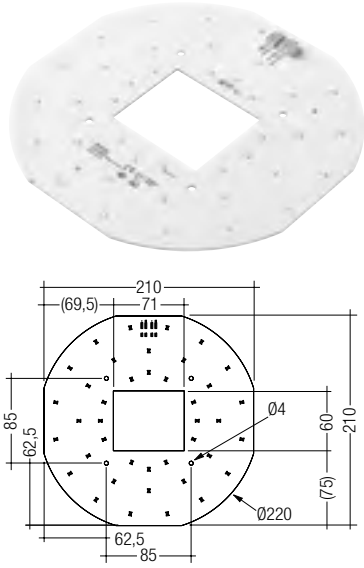
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For standards see data sheet

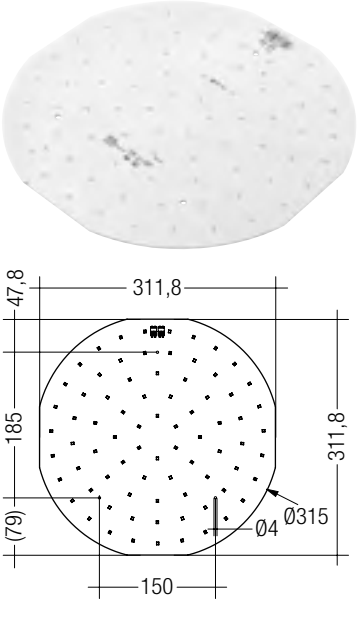
For colour temperatures and tolerances see data sheet



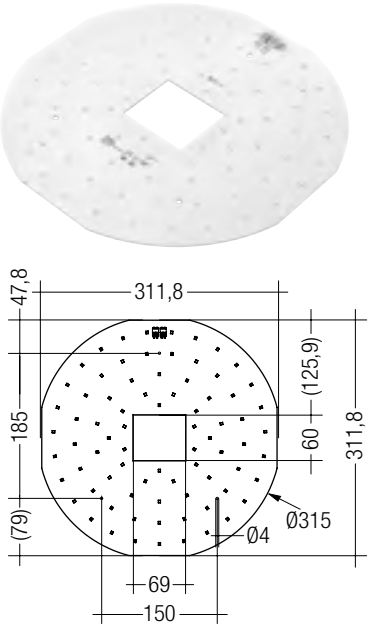
CLE G2 220mm 1500lm EM ADV



CLE G2 220mm 1500lm EM SO ADV



CLE G2 315mm 4000lm EM ADV



CLE G2 315mm 4000lm EM SO ADV

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE G2 220mm 1500lm 830 ADV EM	**89602097**	3,000 K	50 pc(s).	0.167 kg
CLE G2 220mm 1500lm 840 ADV EM	**89602098**	4,000 K	50 pc(s).	0.167 kg
CLE G2 220mm 1500lm 830 ADV EM SO	**89602099**	3,000 K	50 pc(s).	0.167 kg
CLE G2 220mm 1500lm 840 ADV EM SO	**89602100**	4,000 K	50 pc(s).	0.167 kg
CLE G2 315mm 4000lm 830 ADV EM	**89602101**	3,000 K	10 pc(s).	0.260 kg
CLE G2 315mm 4000lm 840 ADV EM	**89602102**	4,000 K	10 pc(s).	0.260 kg
CLE G2 315mm 4000lm 830 ADV EM SO	**89602103**	3,000 K	10 pc(s).	0.260 kg
CLE G2 315mm 4000lm 840 ADV EM SO	**89602104**	4,000 K	10 pc(s).	0.260 kg

Specific technical data

Type [5]	Photometric code	Typ. luminous flux at tp = 25 °C [1]	Typ. luminous flux at tp = 65 °C [1]	Typ. forward current [1] [2] [3]	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C [1]	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
CLE G2 220mm – Operating mode HE												
CLE G2 220mm 1500lm 830 ADV EM	830/349	1,370 lm	1,300 lm	350 mA	25.0 V	28.4 V	9.2 W	146 lm/W	141 lm/W	127 lm/W	> 80	A++
CLE G2 220mm 1500lm 840 ADV EM	840/349	1,490 lm	1,420 lm	350 mA	25.0 V	28.4 V	9.2 W	159 lm/W	154 lm/W	139 lm/W	> 80	A++
CLE G2 220mm 1500lm 830 ADV EM SO	830/349	1,370 lm	1,300 lm	350 mA	25.0 V	28.4 V	9.2 W	146 lm/W	141 lm/W	127 lm/W	> 80	A++
CLE G2 220mm 1500lm 840 ADV EM SO	840/349	1,490 lm	1,420 lm	350 mA	25.0 V	28.4 V	9.2 W	159 lm/W	154 lm/W	139 lm/W	> 80	A++
CLE G2 220mm – Operating mode HO												
CLE G2 220mm 1500lm 830 ADV EM	830/349	1,880 lm	1,790 lm	500 mA	27.1 V	30.8 V	13.8 W	132 lm/W	130 lm/W	117 lm/W	> 80	A+
CLE G2 220mm 1500lm 840 ADV EM	840/349	2,050 lm	1,950 lm	500 mA	27.1 V	30.8 V	13.8 W	144 lm/W	141 lm/W	127 lm/W	> 80	A++
CLE G2 220mm 1500lm 830 ADV EM SO	830/349	1,880 lm	1,790 lm	500 mA	27.1 V	30.8 V	13.8 W	132 lm/W	130 lm/W	117 lm/W	> 80	A+
CLE G2 220mm 1500lm 840 ADV EM SO	840/349	2,050 lm	1,950 lm	500 mA	27.1 V	30.8 V	13.8 W	144 lm/W	141 lm/W	127 lm/W	> 80	A++
CLE G2 220mm – Emergency mode at 320 mA (EM powerLED NM 1 W BASIC, EM powerLED 15 W BASIC CLE NiCd)												
CLE G2 220mm 1500lm 830 ADV EM	830/349	145 lm	140 lm	320 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM	840/349	150 lm	145 lm	320 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 830 ADV EM SO	830/349	145 lm	140 lm	320 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM SO	840/349	150 lm	145 lm	320 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm – Emergency operation at 350 mA (EM powerLED 1 W)												
CLE G2 220mm 1500lm 830 ADV EM	830/349	155 lm	150 lm	350 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM	840/349	165 lm	155 lm	350 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 830 ADV EM SO	830/349	155 lm	150 lm	350 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM SO	840/349	165 lm	155 lm	350 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm – Emergency operation at 400 mA (EM powerLED 15 W BASIC CLE NiMH)												
CLE G2 220mm 1500lm 830 ADV EM	830/349	170 lm	160 lm	400 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM	840/349	185 lm	175 lm	400 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 830 ADV EM SO	830/349	170 lm	160 lm	400 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM SO	840/349	185 lm	175 lm	400 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm – Emergency operation at 600 mA (EM powerLED 2 W)												
CLE G2 220mm 1500lm 830 ADV EM	830/349	250 lm	230 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM	840/349	270 lm	255 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 830 ADV EM SO	830/349	250 lm	230 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 220mm 1500lm 840 ADV EM SO	840/349	270 lm	255 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm – Operating mode HE												
CLE G2 315mm 4000lm 830 ADV EM	830/349	2,740 lm	2,600 lm	700 mA	25.0 V	28.5 V	18.3 W	145 lm/W	142 lm/W	128 lm/W	> 80	A++
CLE G2 315mm 4000lm 840 ADV EM	840/349	2,990 lm	2,840 lm	700 mA	25.0 V	28.5 V	18.3 W	158 lm/W	155 lm/W	140 lm/W	> 80	A++
CLE G2 315mm 4000lm 830 ADV EM SO	830/349	2,740 lm	2,600 lm	700 mA	25.0 V	28.5 V	18.3 W	145 lm/W	142 lm/W	128 lm/W	> 80	A++
CLE G2 315mm 4000lm 840 ADV EM SO	840/349	2,990 lm	2,840 lm	700 mA	25.0 V	28.5 V	18.3 W	158 lm/W	155 lm/W	140 lm/W	> 80	A++
CLE G2 315mm – Operating mode HO												
CLE G2 315mm 4000lm 830 ADV EM	830/349	3,950 lm	3,750 lm	1,050 mA	27.3 V	31.0 V	29.2 W	131 lm/W	128 lm/W	116 lm/W	> 80	A+
CLE G2 315mm 4000lm 840 ADV EM	840/349	4,310 lm	4,090 lm	1,050 mA	27.3 V	31.0 V	29.2 W	143 lm/W	140 lm/W	126 lm/W	> 80	A++
CLE G2 315mm 4000lm 830 ADV EM SO	830/349	3,950 lm	3,750 lm	1,050 mA	27.3 V	31.0 V	29.2 W	131 lm/W	128 lm/W	116 lm/W	> 80	A+
CLE G2 315mm 4000lm 840 ADV EM SO	840/349	4,310 lm	4,090 lm	1,050 mA	27.3 V	31.0 V	29.2 W	143 lm/W	140 lm/W	126 lm/W	> 80	A++
CLE G2 315mm – Emergency operation at 600 mA (EM powerLED 2 W)												
CLE G2 315mm 4000lm 830 ADV EM	830/349	255 lm	240 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm 4000lm 840 ADV EM	840/349	280 lm	265 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm 4000lm 830 ADV EM SO	830/349	255 lm	240 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm 4000lm 840 ADV EM SO	840/349	280 lm	265 lm	600 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm – Emergency operation at 1,000 mA (EM powerLED 4 W)												
CLE G2 315mm 4000lm 830 ADV EM	830/349	410 lm	390 lm	1,000 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm 4000lm 840 ADV EM	840/349	450 lm	425 lm	1,000 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm 4000lm 830 ADV EM SO	830/349	410 lm	390 lm	1,000 mA	–	–	–	–	–	–	> 80	–
CLE G2 315mm 4000lm 840 ADV EM SO	840/349	450 lm	425 lm	1,000 mA	–	–	–	–	–	–	> 80	–

[1] Tolerance range for optical and electrical data: ±10 %.

[2] Max. permissible repetitive peak current CLE G2 220mm: 720 mA. Max. permissible repetitive peak current CLE G2 314mm: 1,440 mA.

[3] Max. permissible surge current CLE G2 220mm: 0.96 A, duration max. 10 ms. Max. permissible surge current CLE G2 315mm: 1.92 A, duration max. 10 ms.

[4] Integrated measurement over the whole module.

[5] HE ... high efficiency, HO ... high output.

TALEXmodule STARK CLE 220-1500 CLASSIC EM

TALEXmodule CLE

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
- LED system solution consisting of the LED module, the LED Driver with integrated emergency function and SWITCH sensor
- Based on annular and TC-DD fluorescent lamps
- Efficiency of the module up to 136 lm/W
- SO version is compatible with SWITCH Sensor HF 5BP – Simple CORRIDOR FUNCTION in combination with EM powerLED 15 W
- Integrated separate emergency LEDs controlled by EM powerLED
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year system guarantee on the complete product

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

For standards see data sheet

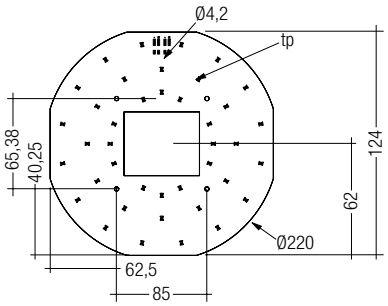
For colour temperatures and tolerances see data sheet



STARK-CLE-220-1500-EM

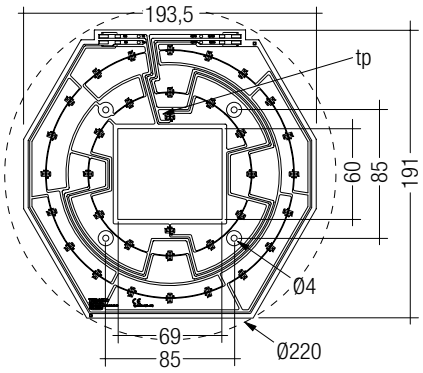


STARK-CLE-220-1500-EM-SO



Ø4.2

STARK-CLE-220-1500-EM



STARK-CLE-220-1500-EM-SO

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-CLE-220-1500-830-CLA-EM	**28000106**	3,000 K	160 pc(s).	0.060 kg
STARK-CLE-220-1500-840-CLA-EM	**28000107**	4,000 K	160 pc(s).	0.060 kg
STARK-CLE-220-1500-830-CLA-EM-SO	**28000108**	3,000 K	160 pc(s).	0.053 kg
STARK-CLE-220-1500-840-CLA-EM-SO	**28000109**	4,000 K	160 pc(s).	0.053 kg

Specific technical data

Type ②	Photometric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Typ. forward voltage	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Operating mode HE at 350 mA											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	1,350 lm	1,300 lm	350 mA	29.50 V	10.3 W	131 lm/W	126 lm/W	107 lm/W	> 80	A+
STARK-CLE-220-1500-840-CLA-EM	840/3x9	1,400 lm	1,350 lm	350 mA	29.50 V	10.3 W	136 lm/W	131 lm/W	111 lm/W	> 80	A+
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	1,350 lm	1,300 lm	350 mA	29.50 V	10.3 W	131 lm/W	126 lm/W	107 lm/W	> 80	A+
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	1,400 lm	1,350 lm	350 mA	29.50 V	10.3 W	136 lm/W	131 lm/W	111 lm/W	> 80	A+
Operating mode HO at 470 mA											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	1,750 lm	1,650 lm	470 mA	30.50 V	14.3 W	122 lm/W	115 lm/W	98 lm/W	> 80	A+
STARK-CLE-220-1500-840-CLA-EM	840/3x9	1,800 lm	1,700 lm	470 mA	30.50 V	14.3 W	126 lm/W	119 lm/W	101 lm/W	> 80	A+
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	1,750 lm	1,650 lm	470 mA	30.50 V	14.3 W	122 lm/W	115 lm/W	98 lm/W	> 80	A+
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	1,800 lm	1,700 lm	470 mA	30.50 V	14.3 W	126 lm/W	119 lm/W	101 lm/W	> 80	A+
Operating mode HO at 500 mA											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	1,800 lm	1,750 lm	500 mA	30.50 V	15.3 W	118 lm/W	114 lm/W	97 lm/W	> 80	A+
STARK-CLE-220-1500-840-CLA-EM	840/3x9	1,900 lm	1,800 lm	500 mA	30.50 V	15.3 W	124 lm/W	118 lm/W	100 lm/W	> 80	A+
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	1,800 lm	1,750 lm	500 mA	30.50 V	15.3 W	118 lm/W	114 lm/W	97 lm/W	> 80	A+
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	1,900 lm	1,800 lm	500 mA	30.50 V	15.3 W	124 lm/W	118 lm/W	100 lm/W	> 80	A+
Emergency mode at 320 mA (EM powerLED NM 1 W BASIC, EM powerLED 15 W BASIC CLE NiCd)											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	125 lm	120 lm	320 mA	2.95 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM	840/3x9	130 lm	125 lm	320 mA	2.95 V	–	–	–	–	–	–
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	125 lm	120 lm	320 mA	2.95 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	130 lm	125 lm	320 mA	2.95 V	–	–	–	–	–	–
Emergency operation at 350 mA (EM powerLED 1 W)											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	135 lm	130 lm	350 mA	2.95 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM	840/3x9	140 lm	135 lm	350 mA	2.95 V	–	–	–	–	–	–
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	135 lm	130 lm	350 mA	2.95 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	140 lm	135 lm	350 mA	2.95 V	–	–	–	–	–	–
Emergency operation at 400 mA (EM powerLED 15 W BASIC CLE NiMH)											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	150 lm	145 lm	400 mA	3.00 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM	840/3x9	160 lm	150 lm	400 mA	3.00 V	–	–	–	–	–	–
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	150 lm	145 lm	400 mA	3.00 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	160 lm	150 lm	400 mA	3.00 V	–	–	–	–	–	–
Emergency operation at 600 mA (EM powerLED 2 W)											
STARK-CLE-220-1500-830-CLA-EM	830/3x9	220 lm	210 lm	600 mA	3.10 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM	840/3x9	230 lm	220 lm	600 mA	3.10 V	–	–	–	–	–	–
STARK-CLE-220-1500-830-CLA-EM-SO	830/3x9	220 lm	210 lm	600 mA	3.10 V	–	–	–	–	–	–
STARK-CLE-220-1500-840-CLA-EM-SO	840/3x9	230 lm	220 lm	600 mA	3.10 V	–	–	–	–	–	–

① Integrated measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 720 mA.
⑤ Max. permissible surge current: 1.5 A, duration max. 10 µs.

TALEXmodule STARK CLE 315-4000 CLASSIC EM

TALEXmodule CLE

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
- Based on annular and compact fluorescent lamps
- Efficiency of the module up to 127 lm/W
- SO version is compatible with SWITCH Sensor HF 5BP
- Integrated separate emergency LEDs controlled by EM powerLED
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

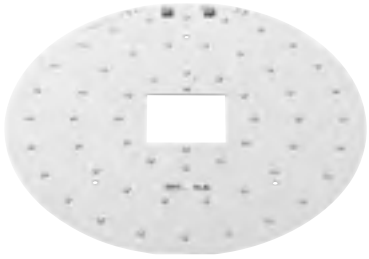
Beam characteristic	120°
Ambient temperature ta	-30 ... +35 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

For standards see data sheet

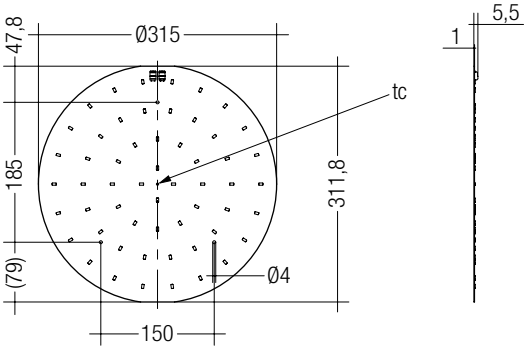
For colour temperatures and tolerances see data sheet



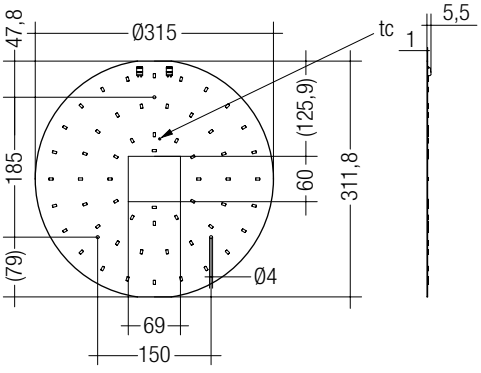
STARK-CLE-315-4000-EM



STARK-CLE-315-4000-EM-SO



STARK-CLE-315-4000-EM



STARK-CLE-315-4000-EM-SO

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-CLE-315-4000-830-CLA-EM	**28000303**	3,000 K	40 pc(s).	0.160 kg
STARK-CLE-315-4000-840-CLA-EM	**28000304**	4,000 K	40 pc(s).	0.160 kg
STARK-CLE-315-4000-830-CLA-EM-SO	**28000305**	3,000 K	40 pc(s).	0.153 kg
STARK-CLE-315-4000-840-CLA-EM-SO	**28000306**	4,000 K	40 pc(s).	0.153 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp= 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 700 mA												
STARK-CLE-315-4000-830-CLA-EM	830/3x9	2,600 lm	2,500 lm	700 mA	27.1 V	34.3 V	21.7 W	120 lm/W	115 lm/W	104 lm/W	> 80	A+
STARK-CLE-315-4000-840-CLA-EM	840/3x9	2,750 lm	2,650 lm	700 mA	27.1 V	34.3 V	21.7 W	127 lm/W	122 lm/W	110 lm/W	> 80	A++
STARK-CLE-315-4000-830-CLA-EM-SO	830/3x9	2,600 lm	2,500 lm	700 mA	27.1 V	34.3 V	21.7 W	120 lm/W	115 lm/W	104 lm/W	> 80	A+
STARK-CLE-315-4000-840-CLA-EM-SO	840/3x9	2,750 lm	2,650 lm	700 mA	27.1 V	34.3 V	21.7 W	127 lm/W	122 lm/W	110 lm/W	> 80	A++
Operating mode HO at 1,050 mA												
STARK-CLE-315-4000-830-CLA-EM	830/3x9	3,750 lm	3,600 lm	1,050 mA	28.9 V	36.0 V	34.1 W	110 lm/W	106 lm/W	95 lm/W	> 80	A+
STARK-CLE-315-4000-840-CLA-EM	840/3x9	3,900 lm	3,750 lm	1,050 mA	28.9 V	36.0 V	34.1 W	114 lm/W	110 lm/W	99 lm/W	> 80	A+
STARK-CLE-315-4000-830-CLA-EM-SO	830/3x9	3,750 lm	3,600 lm	1,050 mA	28.9 V	36.0 V	34.1 W	110 lm/W	106 lm/W	95 lm/W	> 80	A+
STARK-CLE-315-4000-840-CLA-EM-SO	840/3x9	3,900 lm	3,750 lm	1,050 mA	28.9 V	36.0 V	34.1 W	114 lm/W	110 lm/W	99 lm/W	> 80	A+
Emergency operation at 600 mA (EM powerLED 2 W)												
STARK-CLE-315-4000-830-CLA-EM	830/3x9	240 lm	235 lm	600 mA	2.7 V	3.8 V	–	–	–	–	–	–
STARK-CLE-315-4000-840-CLA-EM	840/3x9	250 lm	240 lm	600 mA	2.7 V	3.8 V	–	–	–	–	–	–
STARK-CLE-315-4000-830-CLA-EM-SO	830/3x9	240 lm	235 lm	600 mA	2.7 V	3.8 V	–	–	–	–	–	–
STARK-CLE-315-4000-840-CLA-EM-SO	840/3x9	250 lm	240 lm	600 mA	2.7 V	3.8 V	–	–	–	–	–	–
Emergency operation at 1,000 mA (EM powerLED 4 W)												
STARK-CLE-315-4000-830-CLA-EM	830/3x9	370 lm	355 lm	1,000 mA	2.8 V	3.9 V	–	–	–	–	–	–
STARK-CLE-315-4000-840-CLA-EM	840/3x9	385 lm	365 lm	1,000 mA	2.8 V	3.9 V	–	–	–	–	–	–
STARK-CLE-315-4000-830-CLA-EM-SO	830/3x9	370 lm	355 lm	1,000 mA	2.8 V	3.9 V	–	–	–	–	–	–
STARK-CLE-315-4000-840-CLA-EM-SO	840/3x9	385 lm	365 lm	1,000 mA	2.8 V	3.9 V	–	–	–	–	–	–

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 1,200 mA.
⑤ Max. permissible surge current: 2.5 A, duration max. 10 µs.

CE RoHS

NEW

TALEXengine STARK CLE-AC-160-1500

TALEXmodule CLE

Product description

- Module with integrated electronics
- Economic one-piece solution
- Easy refitting of existing luminaries
- Ideal for ceiling-mounted and wallmounted luminaires
- Enables thin designs of luminaries
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 3
- System efficacy of the module up to 100 lm/W
- Integrated separate emergency LEDs controlled by EM powerLED
- Simple CORRIDOR FUNCTION in combination with any sensor
- Touch cover: Protection against direct touch of active parts

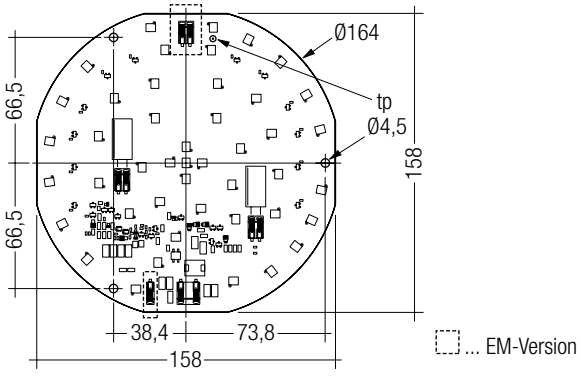
→ For product data sheet go to www.tridonic.com, or available on request



CLE-AC-160



CLE-AC-160 EM



Technical data

Rated supply voltage AC	220 – 240 V
Input voltage AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typ. λ	0.97
THD	20 %
Beam characteristic	120°
Ambient temperature ta	-25 ... +55 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
CLE-AC-160-1500-830-CLA	**89800421**	3,000 K	10 pc(s).	0.065 kg
CLE-AC-160-1500-840-CLA	**89800422**	4,000 K	10 pc(s).	0.065 kg
CLE-AC-160-1500-830-CLA-EM-CF	**89800423**	3,000 K	10 pc(s).	0.065 kg
CLE-AC-160-1500-840-CLA-EM-CF	**89800424**	4,000 K	10 pc(s).	0.065 kg

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ①	Typ. luminous flux at tp = 65 °C ①	Input current	Input power	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Normal operation								
CLE-AC-160-1500-830-CLA	830/339	1,600 lm	1,450 lm	65 mA	14.5 W	100 lm/W	> 80	A+
CLE-AC-160-1500-840-CLA	840/339	1,600 lm	1,450 lm	65 mA	14.5 W	100 lm/W	> 80	A+
Emergency operation								
CLE-AC-160-1500-830-CLA-EM-CF	830/339	130 lm	120 lm	–	–	–	> 80	–
CLE-AC-160-1500-840-CLA-EM-CF	840/339	130 lm	120 lm	–	–	–	> 80	–

① Tolerance range for optical and electrical data: ±10 %.

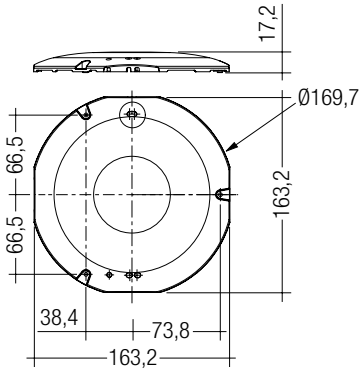
ACCES-SORIES

ACC COVER 160mm TRANSP

Product description

- Cover for CLE-AC-160
- Protection against direct touch of active parts
- Fixation with non-removable fasteners
- Touch cover made of Polycarbonat



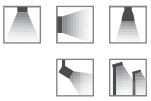


ACC COVER 160mm TRANSP

Ordering data

Type	**Article number**	Colour	Packaging	Packaging, carton	Weight per pc.
ACC COVER 160mm TRANSP	**28001033**	Transparent	120 pc(s).	10 pc(s).	0.048 kg

RoHS



TALEX(module STARK FLE GEN1

TALEX(module FLE

Product description

- Luminous flux range from 4,500 – 21,100 lm
- High efficiency up to 142 lm/W for the LED module
- High system efficiency up to 115 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Excellent thermal management by COB technology
- KTY 82/210 for temperature control
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required
- Flexible operating mode
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

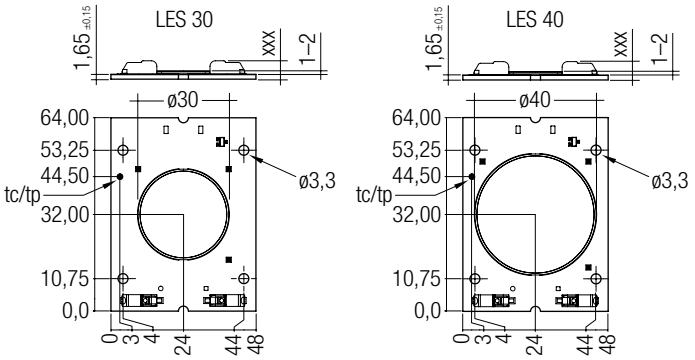
Beam characteristic	140°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature ①	65 °C
Max. tc point temperature ①	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet





Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-FLE-G1-30-830-CLA	89601873	3,000 K	20 pc(s).	0.015 kg
STARK-FLE-G1-30-840-CLA	89601874	4,000 K	20 pc(s).	0.014 kg
STARK-FLE-G1-30-765-IND	89601875	6,500 K	20 pc(s).	0.014 kg
STARK-FLE-G1-40-830-CLA	89601876	3,000 K	20 pc(s).	0.015 kg
STARK-FLE-G1-40-840-CLA	89601877	4,000 K	20 pc(s).	0.014 kg
STARK-FLE-G1-40-765-IND	89601878	6,500 K	20 pc(s).	0.014 kg

Specific technical data

Type ②	Photometric code	Forward current ③ ④ ⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 65 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C ⑧	Colour rendering index CRI	Energy classification
STARK-FLE-G1-LES30 – Operating mode HE at 900 mA												
STARK-FLE-G1-30-830-CLA	830/349	900 mA	5,100 lm	4,500 lm	44.3 W	47.5 V	54.0 V	113 lm/W	102 lm/W	92 lm/W	80	A+
STARK-FLE-G1-30-840-CLA	840/349	900 mA	5,850 lm	5,150 lm	44.3 W	47.5 V	54.0 V	129 lm/W	116 lm/W	104 lm/W	80	A+
STARK-FLE-G1-30-765-IND	765/349	900 mA	6,400 lm	5,650 lm	44.3 W	47.5 V	54.0 V	141 lm/W	128 lm/W	115 lm/W	70	A+
STARK-FLE-G1-LES30 – Operating mode NM at 1,400 mA												
STARK-FLE-G1-30-830-CLA	830/349	1,400 mA	7,500 lm	6,600 lm	72.4 W	50.0 V	56.2 V	101 lm/W	91 lm/W	82 lm/W	80	A+
STARK-FLE-G1-30-840-CLA	840/349	1,400 mA	8,500 lm	7,500 lm	72.4 W	50.0 V	56.2 V	115 lm/W	104 lm/W	94 lm/W	80	A+
STARK-FLE-G1-30-765-IND	765/349	1,400 mA	9,350 lm	8,200 lm	72.4 W	50.0 V	56.2 V	127 lm/W	113 lm/W	102 lm/W	70	A+
STARK-FLE-G1-LES30 – Operating mode HO at 1,750 mA												
STARK-FLE-G1-30-830-CLA	830/349	1,750 mA	9,100 lm	8,000 lm	93.5 W	51.7 V	57.9 V	95 lm/W	86 lm/W	77 lm/W	80	A
STARK-FLE-G1-30-840-CLA	840/349	1,750 mA	10,200 lm	8,950 lm	93.5 W	51.7 V	57.9 V	107 lm/W	96 lm/W	86 lm/W	80	A+
STARK-FLE-G1-30-765-IND	765/349	1,750 mA	11,200 lm	9,850 lm	93.5 W	51.7 V	57.9 V	117 lm/W	105 lm/W	95 lm/W	70	A+
STARK-FLE-G1-LES40 – Operating mode HE at 1,750 mA												
STARK-FLE-G1-40-830-CLA	830/349	1,750 mA	9,800 lm	8,650 lm	80.5 W	44.4 V	50.3 V	119 lm/W	107 lm/W	96 lm/W	80	A+
STARK-FLE-G1-40-840-CLA	840/349	1,750 mA	10,650 lm	9,400 lm	80.5 W	44.4 V	50.3 V	129 lm/W	117 lm/W	105 lm/W	80	A+
STARK-FLE-G1-40-765-IND	765/349	1,750 mA	11,700 lm	10,300 lm	80.5 W	44.4 V	50.3 V	142 lm/W	128 lm/W	115 lm/W	70	A+
STARK-FLE-G1-LES40 – Operating mode NM at 2,600 mA												
STARK-FLE-G1-40-830-CLA	830/349	2,600 mA	13,800 lm	12,150 lm	124.5 W	46.3 V	52.1 V	109 lm/W	98 lm/W	88 lm/W	80	A+
STARK-FLE-G1-40-840-CLA	840/349	2,600 mA	15,000 lm	13,200 lm	124.5 W	46.3 V	52.1 V	118 lm/W	106 lm/W	95 lm/W	80	A+
STARK-FLE-G1-40-765-IND	765/349	2,600 mA	16,500 lm	14,500 lm	124.5 W	46.3 V	52.1 V	130 lm/W	116 lm/W	104 lm/W	70	A+
STARK-FLE-G1-LES40 – Operating mode HO at 3,500 mA												
STARK-FLE-G1-40-830-CLA	830/349	3,500 mA	17,600 lm	15,500 lm	174.7 W	48.3 V	54.2 V	99 lm/W	89 lm/W	80 lm/W	80	A+
STARK-FLE-G1-40-840-CLA	840/349	3,500 mA	19,100 lm	16,800 lm	174.7 W	48.3 V	54.2 V	107 lm/W	96 lm/W	86 lm/W	80	A+
STARK-FLE-G1-40-765-IND	765/349	3,500 mA	21,100 lm	18,550 lm	174.7 W	48.3 V	54.2 V	118 lm/W	106 lm/W	95 lm/W	70	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.
② HE ... high efficiency, NM ... nominal mode, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the TALEXmodule. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
④ Max. permissible surge current for STARK-FLE-G1-LES30: 4.8 A, duration max. 10 µs;
Max. permissible surge current for STARK-FLE-G1-LES40: 10 A, duration max. 10 µs.
⑤ Max. permissible repetitive peak current for STARK-FLE-G1-LES30 is 2.4 A.
Max. permissible repetitive peak current for STARK-FLE-G1-LES40 is 5 A.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 65 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

RoHS

TALEX(module STRIP P130-3

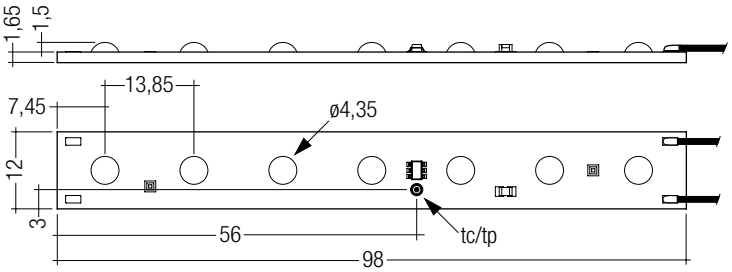
TALEX(module EOS

Product description

- LED strip module for linear illumination, highlighting of lines and edges and for side injection
- For safety lighting, general lighting, effect lighting and shelf lighting
- Edge injection of transparent or diffuse materials
- With maximum possible beam angle for uniform illumination
- Low-profile
- Simple installation thanks to pre-fitted adhesive tape
- High-power LED in chip-on-board technology (COB)
- Dimmable by pulse width modulation (PWM)
- Integrated current source to stabilise luminous flux
- Wide 140° distribution of light for uniform illumination
- Mounting with premounted thermally conductive double-sided adhesive tape
- Connection: cable 200 mm

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-30 ... +40 °C
Max. tc point ①	75 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour ② ③	Colour temperature	Packaging, carton	Weight per pc.
7 light points per module					
P130-3 DL	**89601755**	Daylight white	6,500 K	20 pc(s).	0.004 kg
P130-3 NW	**89601754**	Neutral white	4,200 K	20 pc(s).	0.004 kg
P130-3 WW	**89601753**	Warm white	3,000 K	20 pc(s).	0.004 kg
P130-3 GOLD	**89601752**	Gold	2,700 K	20 pc(s).	0.004 kg
P130-3 FM	**89601921**	Fresh meat	–	20 pc(s).	0.004 kg
P130-3 CM+	**89601756**	Cool meat +	–	20 pc(s).	0.004 kg

Specific technical data

Type	Luminous flux at tp = 25 °C ④	Supply voltage DC ⑤	Power consumption ④	Luminous efficacy module at tp = 25 °C ④	Colour rendering index CRI	Energy classification
7 light points per module						
P130-3 DL	285 lm	24 V	2.4 W	119 lm/W	80	A++
P130-3 NW	265 lm	24 V	2.4 W	110 lm/W	85	A++
P130-3 WW	235 lm	24 V	2.4 W	98 lm/W	85	A++
P130-3 GOLD	200 lm	24 V	2.4 W	83 lm/W	90	A+
P130-3 FM	245 lm	24 V	2.4 W	102 lm/W	85	A++
P130-3 CM+	200 lm	24 V	2.4 W	83 lm/W	75	A+

① Rth, j-hs = Thermal Resistance (Junction – Heat Sink).
Exceeding the max. temperature limits leads to a reduced life or the module can be damaged.
Measuring of the temperature at the tc-point in the thermally stable state with a temperature sensor.
② Rth, j-hs = Thermal Resistance (Junction – Heat Sink).
Exceeding the max. temperature limits leads to a reduced life or the module can be damaged.
Measuring of the temperature at the tc-point in the thermally stable state.
③ Gold: light colour for cheese and pastries, cool meat: light colour for fresh meat and sausages.
④ Tolerance range for optical and electrical data: ±15 %.
⑤ Exceeding the max. operating voltage leads to an overload on the TALEX(module STRIP.
This may in turn result in a reduction in life-time or even in destruction.
Tolerance range for the supply voltage: 12 V: +2 V / -0 V; 24 V: +2 V / -0 V.

RoHS

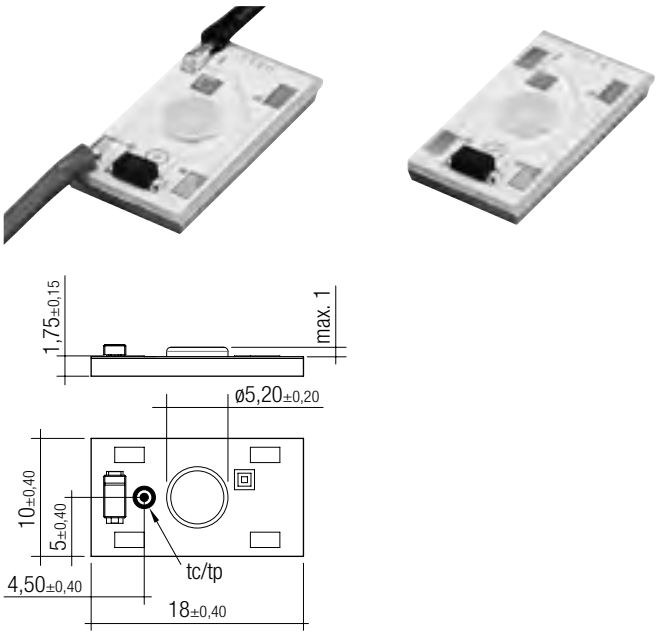
TALEXmodule EOS P211-5

TALEXmodule EOS

Product description

- General lighting, design and effect lighting, emergency lighting, spotlights
- High-flux LED module
- Narrow colour temperature tolerance band
- Compact design
- Excellent thermal management
- Integrated polarity reversal protection
- High-power LED in chip-on-board technology (COB)
- Mounting with premounted thermally conductive double-sided adhesive tape
- Available with or without connection cable
- Connection: cable 200 mm
- Cooling required

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	140°
Ambient temperature ta	-25 ... +55 °C
tp_rated temperature ①	75 °C
Max. tc point temperature ①	85 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For wiring diagrams and installation examples, colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
LED P211-5 DL	**89601879**	Daylight white	–	6,500 K	yes	100 pc(s).	0.003 kg
LED P211-5 NW	**89601880**	Neutral white	–	4,200 K	yes	100 pc(s).	0.003 kg
LED P211-5 WW	**89601881**	Warm white	–	3,000 K	yes	100 pc(s).	0.001 kg
LED P211-5 PM	**89601882**	Packed meat	–		yes	100 pc(s).	0.001 kg
LED P211-5 GOLD	**89601883**	Gold	–	2,700 K	yes	100 pc(s).	0.001 kg
LED P211-5 DL W/O-C	**89601884**	Daylight white	–	6,500 K	no	100 pc(s).	0.001 kg
LED P211-5 NW W/O-C	**89601885**	Neutral white	–	4,200 K	no	100 pc(s).	0.008 kg
LED P211-5 WW W/O-C	**89601886**	Warm white	–	3,000 K	no	100 pc(s).	0.002 kg
LED P211-5 PM W/O-C	**89601887**	Packed meat	–		no	100 pc(s).	0.001 kg
LED P211-5 GOLD W/O-C	**89601888**	Gold	–	2,700 K	no	100 pc(s).	0.001 kg

Specific technical data

Type ②	Photometric code	Forward current ③④⑤	Luminous flux at tp = 25 °C ⑥	Luminous flux at tp = 75 °C ⑥	Power consumption ⑦	Min. forward voltage at tp = 75 °C	Max. forward voltage at tp = 25 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 75 °C	Luminous efficacy system at tp = 75 °C ⑧	Colour rendering index CRI	Energy classification
Operating mode HE at 300 mA												
LED P211-5 DL	765/4x9	350 mA	130 lm	115 lm	1.0 W	2.7 V	3.1 V	130 lm/W	115 lm/W	104 lm/W	70	A++
LED P211-5 NW	842/4x9	350 mA	115 lm	100 lm	1.0 W	2.7 V	3.1 V	115 lm/W	100 lm/W	90 lm/W	80	A++
LED P211-5 WW	830/4x9	350 mA	105 lm	95 lm	1.0 W	2.7 V	3.1 V	105 lm/W	95 lm/W	86 lm/W	80	A++
LED P211-5 PM	–	350 mA	85 lm	75 lm	1.0 W	2.7 V	3.1 V	85 lm/W	75 lm/W	68 lm/W	–	A++
LED P211-5 GOLD	927/4x9	350 mA	80 lm	70 lm	1.0 W	2.7 V	3.1 V	80 lm/W	70 lm/W	63 lm/W	90	A++
Operating mode HO at 700 mA												
LED P211-5 DL	765/4x9	700 mA	230 lm	200 lm	2.2 W	2.9 V	3.3 V	105 lm/W	91 lm/W	82 lm/W	70	A++
LED P211-5 NW	842/4x9	700 mA	210 lm	180 lm	2.2 W	2.9 V	3.3 V	95 lm/W	82 lm/W	74 lm/W	80	A+
LED P211-5 WW	830/4x9	700 mA	190 lm	165 lm	2.2 W	2.9 V	3.3 V	86 lm/W	75 lm/W	68 lm/W	80	A+
LED P211-5 PM	–	700 mA	150 lm	130 lm	2.2 W	2.9 V	3.3 V	68 lm/W	59 lm/W	53 lm/W	–	A+
LED P211-5 GOLD	927/4x9	700 mA	145 lm	125 lm	2.2 W	2.9 V	3.3 V	66 lm/W	57 lm/W	51 lm/W	90	A+

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. The temperature of the TALEXmodule at the tp point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tp point see the above diagram.
② HE ... high efficiency, HO ... high output.
③ Exceeding the max. operating current leads to an overload on the module. This may in turn result in a significant reduction in life-time or even destruction of the module.
④ Max. permissible surge current: 1.9 A, duration max. 10 ms.
⑤ Max. permissible repetitive peak current: 1,920 mA.
⑥ Tolerance range for optical data: ±10 %.
⑦ All values at tp = 75 °C.
⑧ Assumed efficiency for the LED Driver is 0.9.

RoHS

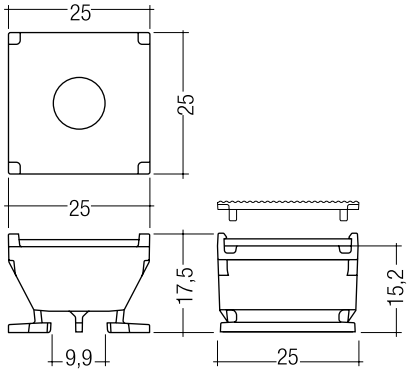
ACCES-SORIES

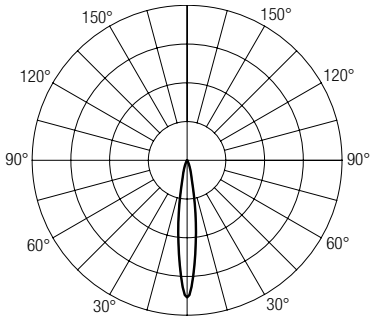
TALEXaccessory LENS O211-2 spot lens 10°

Product description

- Narrow-beam lens for TALEXmodule EOS P211-5
- For general, design and effect lighting
- As a spotlight
- High efficiency and quality of light
- Simple installation
- 10° beam angle for colours, 20° beam angle for white
- Mounting with ready-made adhesive tape
- Material: PC/PMMA
- Colour: white / transparent







Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton	Weight per pc.
0211-2 spot lens 10°	**24139148**	25 x 25 x 17.7 mm	10 pc(s).	0.007 kg

RoHS

ACCES-SORIES

TALEXaccessory LENS O211-2 diffusion lens

Product description

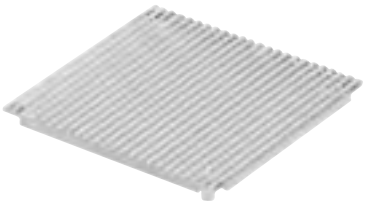
- Diffusion lens for TALEXmodule EOS P211-5
- In combination with TALEXaccessory LENS O211-2 spot lens
- No tools required for installation
- Material: PMMA
- Colour: transparent

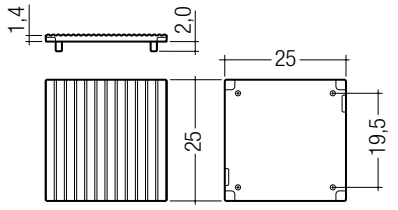
Asymmetrical beam angle 10° / 40°

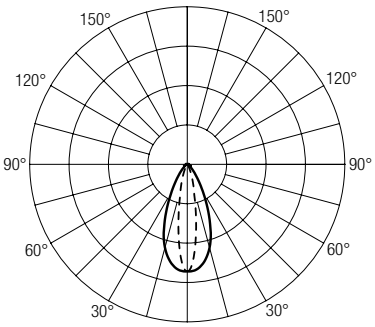
- For wallwash applications
- As an asymmetrical spotlight

Symmetrical beam angle 40°

- As a symmetrical spotlight







Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton	Weight per pc.
0211-2 diffusion lens 10 / 40°	**24139011**	25 x 25 x 1.4 mm	8,000 pc(s).	0.001 kg
0211-2 diffusion lens 40°	**24166036**	25 x 25 x 1.4 mm	10 pc(s).	0.001 kg

RoHS

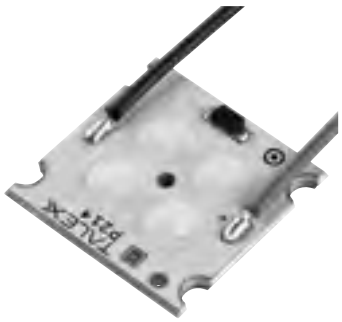
TALEXmodule EOS P214-4

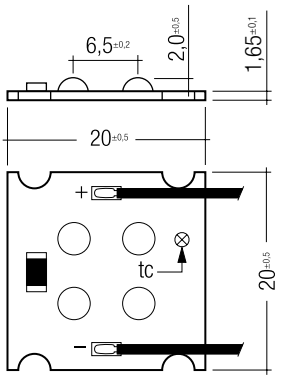
TALEXmodule EOS

Product description

- General lighting, design and effect lighting, spotlights
- High-flux LED module
- Narrow colour temperature tolerance band
- Compact design
- Excellent thermal management
- Integrated polarity reversal protection
- Optional spot lens accessory TALEXaccessory LENS O214
- High-power LED in chip-on-board technology (COB)
- Low thermal resistance $R_{th,\ j\text{-}hs} < 2.5$ K/W
- Mounting with premounted thermally conductive double-sided adhesive tape
- Connection: cable 200 mm
- Cooling required

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	140°
Ambient temperature ta	-25 ... +55 °C
Typ. tc point	65 °C
Type of protection	IP00
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For optional accessory, wiring diagrams and installation examples, colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Colour temperature	Packaging, carton	Weight per pc.
P214-4 WW	**89601373**	Warm white	3,000 K	25 pc(s).	0.004 kg
P214-4 NW	**89601372**	Neutral white	4,200 K	25 pc(s).	0.004 kg
P214-4 DL	**89601371**	Daylight white	3,000 K	25 pc(s).	0.005 kg

Specific technical data

Type	Typ. luminous flux at 350 mA ①	Typ. luminous flux at 700 mA ①	Current DC, typ. ① ② ③	Current DC, max. ① ② ③	Typ. forward voltage at 350 mA ①	Typ. forward voltage at 700 mA ①	Power at 350 mA ①	Power at 700 mA ①	Colour rendering index CRI	Typ. luminous efficacy at 350 mA	Typ. luminous efficacy at 700 mA	Energy classification
P214-4 WW	310 lm	515 lm	350 mA	700 mA	13.6 V	14 V	4.8 W	9.8 W	> 80	65 lm/W	53 lm/W	A at 350 mA / A at 700 mA
P214-4 NW	340 lm	525 lm	350 mA	700 mA	13.6 V	14 V	4.8 W	9.8 W	> 80	71 lm/W	54 lm/W	A+ at 350 mA / A at 700 mA
P214-4 DL	410 lm	620 lm	350 mA	700 mA	13.6 V	14 V	4.8 W	9.8 W	> 70	85 lm/W	63 lm/W	A+ at 350 mA / A at 700 mA

① Tolerance range for optical and electrical data: ±15 %.
② $R_{th,\ j\text{-}hs}$ = Thermal Resistance (Junction – Heat Sink). Exceeding the max. temperature limits leads to a reduced life or the module can be damaged. Measuring of the temperature at the tc-point in the thermally stable state.
③ Exceeding the max. operating current leads to an overload on the umodule EOS. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule EOS.

RoHS

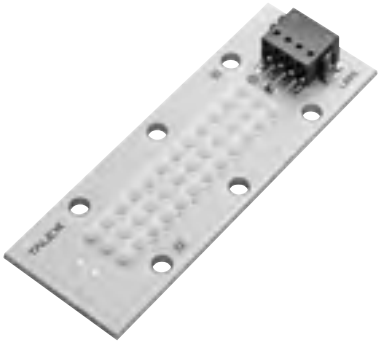
TALEXmodule RECTANGULAR P440-2

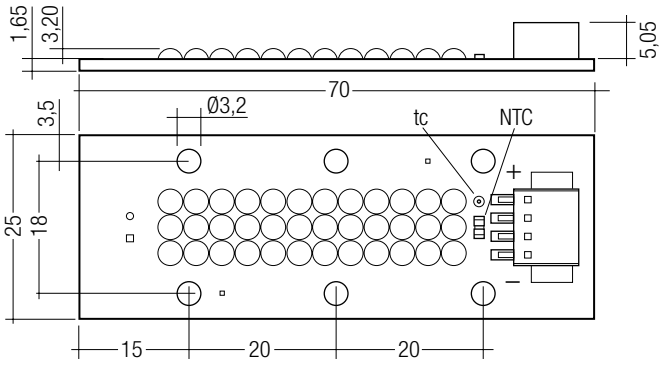
TALEXmodule EOS

Product description

- Street lighting
- High-flux LED module
- Narrow colour temperature tolerance band
- Compact design
- Excellent thermal management ①
- NTC for temperature control
- High-power LED in chip-on-board technology (COB)
- Beam characteristic: 140°
- Uniform distribution of light
- Mounting with M3 screws
- Built-in LED module
- Cooling required

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Typ. power at 1,050 mA ② ③	40 W
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature ④ ⑤	Packaging, carton	Weight per pc.
LED P440-2 3000K 70x25	**89601161**	3,000 K	20 pc(s).	0.008 kg
LED P440-2 4000K 70x25	**89601162**	4,000 K	20 pc(s).	0.008 kg
LED P440-2 5000K 70x25	**89601155**	5,000 K	20 pc(s).	0.008 kg

Specific technical data

Type	Photometric code	Min. luminous flux at 1,050 mA ③ ⑥	Typ. luminous flux at 1,050 mA ③ ⑥	Typ. forward current ⑦ ⑧	Max. forward current ⑦ ⑧	Min. forward voltage ② ③	Typ. forward voltage ② ③	Max. forward voltage ② ③	Colour rendering index CRI ⑤	Energy classification
LED P440-2 3000K 70x25	830/4x9	2,400 lm	2,700 lm	1,050 mA	1,400 mA	33.3 V	38 V	44.8 V	> 80	A
LED P440-2 4000K 70x25	840/4x9	2,700 lm	3,000 lm	1,050 mA	1,400 mA	33.3 V	38 V	44.8 V	> 80	A
LED P440-2 5000K 70x25	750/4x9	3,400 lm	3,800 lm	1,050 mA	1,400 mA	33.3 V	38 V	44.8 V	> 70	A+

① If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the TALEXmodule RECTANGULAR at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.
② Tolerance range for electrical data: ±15 %.
③ At tc = 65 °C.
④ Colour coordinates and tolerances according to CIE 1964.
⑤ Colour temperature and colour rendering index CRI according to CIE 1931.
⑥ Tolerance range for optical data: ±15 %.
⑦ Exceeding the max. operating current leads to an overload on the TALEXmodule RECTANGULAR. This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule RECTANGULAR.
⑧ Max. permissible surge current: 3 A, duration max. 10 µs.

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TALEXengine STARK LLE PREMIUM system

TALEXmodule LLE

Product description

- Tunable white system with adjustable colour temperature from 3,000 to 6,000 K
- High system efficiency up to 106 lm/W at tc = 65 °C
- New DALI device type 8 for tunable white
- Noise-free precise control via DALI, DSI signal or switchDIM
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Ordering data

Type	Article number	System components
STARK-LLE-3x24-280-700-830-860-PRE-KIT	**89601896**	1 LED Driver + 3 LED modules
STARK-LLE-4x24-280-700-830-860-PRE-KIT	**89601897**	1 LED Driver + 4 LED modules
STARK-LLE-5x24-280-700-830-860-PRE-KIT	**89601898**	1 LED Driver + 5 LED modules
STARK-LLE-3x24-280-1500-830-860-PRE-KIT	**89601899**	1 LED Driver + 3 LED modules
STARK-LLE-4x24-280-1500-830-860-PRE-KIT	**89601900**	1 LED Driver + 4 LED modules
STARK-LLE-5x24-280-1500-830-860-PRE-KIT	**89601901**	1 LED Driver + 5 LED modules

RoHS

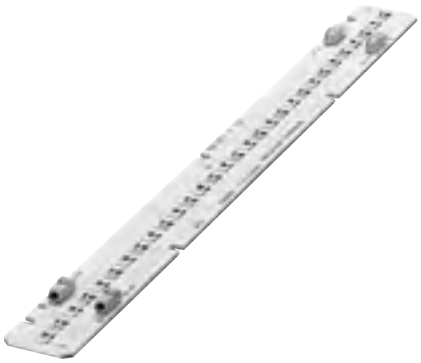
TALEXengine STARK LLE PREMIUM KIT – part 1

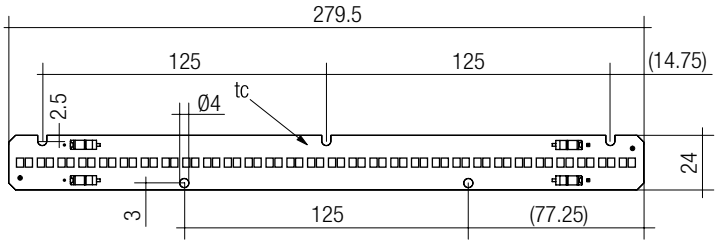
TALEXmodule LLE – LLE module system component

Product description

- Tunable white system with adjustable colour temperature
- High colour rendering index CRI > 80
- Low colour temperature tolerances (MacAdam 4)
- Low tolerances for luminous flux
- Excellent thermal management ①
- Ideal for linear and panel lights
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam angle	120°
Ambient temperature ta ①	-25 ... +55 °C
tc point	65 °C
Risk group (EN 62471:2008)	1

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. forward current ②	Typ. luminous fluxat tp = 25 °C ③ ④	Typ. luminous flux at tp = 65 °C ③ ④	Typ. power consumption at tp = 65 °C ②	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI, 3,000 – 6,000 K ④	Energy classifi-cation
Operating with LCAI 38 W 125 mA TW lp										
STARK-LLE-3x24-280-700-830-860-PRE	830/4x9 – 860/4x9	125 mA	2,100 lm	2,000 lm	20 W	105 lm/W	100 lm/W	90 lm/W	> 80	A+
STARK-LLE-4x24-280-700-830-860-PRE	830/4x9 – 860/4x9	125 mA	2,800 lm	2,650 lm	26 W	108 lm/W	102 lm/W	92 lm/W	> 80	A+
STARK-LLE-5x24-280-700-830-860-PRE	830/4x9 – 860/4x9	125 mA	3,500 lm	3,350 lm	32 W	109 lm/W	105 lm/W	95 lm/W	> 80	A+
Operating with LCAI 75 W 250 mA TW lp										
STARK-LLE-3x24-280-1500-830-860-PRE	830/4x9 – 860/4x9	250 mA	4,500 lm	4,300 lm	40 W	113 lm/W	108 lm/W	101 lm/W	> 80	A+
STARK-LLE-4x24-280-1500-830-860-PRE	830/4x9 – 860/4x9	250 mA	6,000 lm	5,700 lm	52 W	115 lm/W	110 lm/W	103 lm/W	> 80	A+
STARK-LLE-5x24-280-1500-830-860-PRE	830/4x9 – 860/4x9	250 mA	7,500 lm	7,150 lm	63 W	119 lm/W	114 lm/W	106 lm/W	> 80	A+

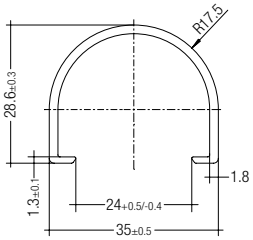
① If the max. temperature limits are exceeded, the life of the system will be greatly reduced or the system may be damaged. The temperature of the umodule at the tc-point is to be measured in the thermally stable state with a temperature sensor or a temperature sensitive sticker according to EN 60598-1. For the precise position of the tc point see the above diagram.
② Tolerance range for electrical data: ±5 %.
③ Tolerance range for optical data: ±15 %.
④ Colour temperature and CRI according to CIE 1931.

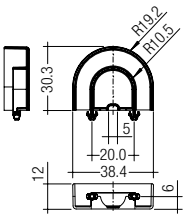
ACCES-SORIES

LINEAR COVER SY

Product description
- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







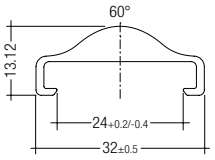
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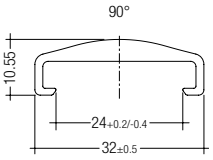
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

LINEAR LENS

Product description
- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)





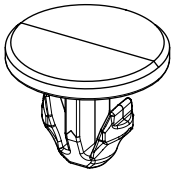
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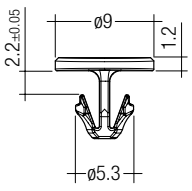
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

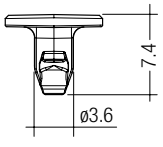
ACCES-SORIES

CLIP 4.3mm

Product description
- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat







Ordering data

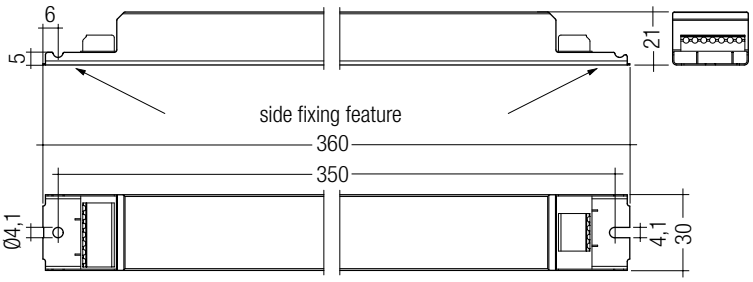
Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

IP20

TALEXmodule STARK LLE PREMIUM KIT – part 2

TALEXmodule LLE – TALEXdriver LCAI TW lp system component





Product description

- LED Driver for LLE PREMIUM modules
- Output power: 38 or 75 W
- Power input on stand-by < 0.3 W

Properties

- switchDIM (with memory function)
- colourSWITCH 3,000 – 6,000 K (with memory function) ①
- New DALI device Type 8 for tunable white
- Noise-free precise control via DALI, DSI signal or switchDIM
- Powerless switching via a digital interface (no need for switching via mains)
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit shutdown feature with one restart (after 0.5 s)
- Overload protection with one restart (after 0.5 s)

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Rated current (at 230 V 50 Hz) for 38 W	0.18 A
Rated current (at 230 V 50 Hz) for 75 W	0.35 A
Mains frequency	0 / 50 / 60 Hz
Efficiency at 38 W	90 %
Efficiency at 75 W	93 %
λ (at 230 V, 50 Hz, full load)	0.96
Control input ① ②	DSI, DALI, switchDIM, colourSWITCH
Stand-by power	< 0.3 W
Max. output voltage (no-load voltage)	270 V
Dimming range	10 – 100 %
PWM frequency	200 – 500 Hz
Set up time (at 230 V, 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (PE)	150 µA
ta operating (at life-time 50,000 h) for 38 W	-25 ... +60 °C
ta operating (at life-time 50,000 h) for 75 W	-25 ... +55 °C
Max. casing temperature tc (at life-time 50,000 h) for 38 W	70 °C
Max. casing temperature tc (at life-time 50,000 h) for 75 W	75 °C

① In DC operation the last set colour is used.
② No colourSWITCH at DC operation.

NEW

TALEXmodule LLE 24x280mm 2000lm EXCITE

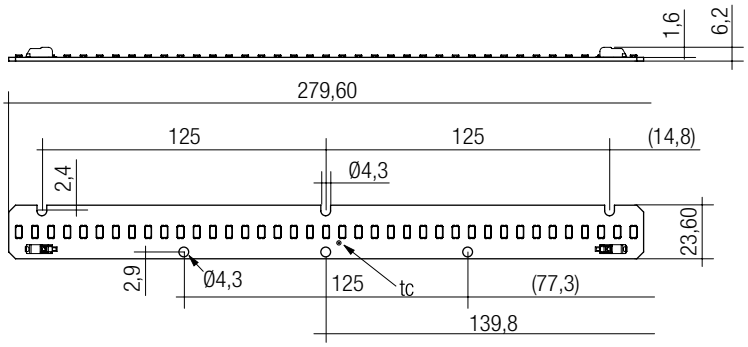
TALEXmodule LLE EXCITE

Product description

- Ideal for linear and panel lights
- Reliable, high lifetime solution and extended temperatur range in combination with the INDUSTRY LED Driver
- Luminous flux range from 2,230 – 3,150 lm
- LED system solution with outstanding system efficacy up to 128 lm/W
- Efficacy of the module up to 145 lm/W
- High colour rendering index CRI > 80
- Colour Tolerance 3 SDCM ①
- Colour temperatures 3,000, 4,000, 5,000 and 6,500 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for simple wiring
- Simple installation via clips or screws
- Long life-time
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	130°
Ambient temperature ta	-40 ... +70 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE 24x280mm 2000lm 830 EXC	**89602077**	3,000 K	210 pc(s).	0.024 kg
LLE 24x280mm 2000lm 840 EXC	**89602078**	4,000 K	210 pc(s).	0.024 kg
LLE 24x280mm 2000lm 850 EXC	**89602079**	5,000 K	210 pc(s).	0.024 kg
LLE 24x280mm 2000lm 865 EXC	**89602080**	6,500 K	210 pc(s).	0.024 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE												
LLE 24x280mm 2000lm 830 EXC	830/349	2,300 lm	2,230 lm	350 mA	45.3 V	54.0 V	15.9 W	142 lm/W	140 lm/W	127 lm/W	> 80	A++
LLE 24x280mm 2000lm 840 EXC	840/349	2,350 lm	2,240 lm	350 mA	45.3 V	54.0 V	15.9 W	145 lm/W	141 lm/W	128 lm/W	> 80	A++
LLE 24x280mm 2000lm 850 EXC	850/349	2,350 lm	2,240 lm	350 mA	45.3 V	54.0 V	15.9 W	145 lm/W	141 lm/W	128 lm/W	> 80	A++
LLE 24x280mm 2000lm 865 EXC	865/349	2,350 lm	2,240 lm	350 mA	45.3 V	54.0 V	15.9 W	145 lm/W	141 lm/W	128 lm/W	> 80	A++
Operating mode HO												
LLE 24x280mm 2000lm 830 EXC	830/349	3,110 lm	2,900 lm	500 mA	47.4 V	56.6 V	23.9 W	128 lm/W	121 lm/W	113 lm/W	> 80	A+
LLE 24x280mm 2000lm 840 EXC	840/349	3,150 lm	2,940 lm	500 mA	47.4 V	56.6 V	23.9 W	130 lm/W	123 lm/W	114 lm/W	> 80	A+
LLE 24x280mm 2000lm 850 EXC	850/349	3,150 lm	2,940 lm	500 mA	47.4 V	56.6 V	23.9 W	130 lm/W	123 lm/W	114 lm/W	> 80	A+
LLE 24x280mm 2000lm 865 EXC	865/349	3,150 lm	2,940 lm	500 mA	47.4 V	56.6 V	23.9 W	130 lm/W	123 lm/W	114 lm/W	> 80	A+

① Integral measurement over the complete module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 1,050 mA.
⑤ Max. permissible surge current: 1 A, duration max. 10 µs.

NEW

TALEXmodule STARK LLE-G3-24-140-1250, LLE-G3-24-280-1250 SELECT

TALEXmodule LLE EXCITE

Product description

- Ideal for linear and panel lights
- Luminous flux range from 500 – 1,370 lm
- LED system solution with outstanding system efficacy up to 108 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficacy of the module up to 123 lm/W
- High colour rendering index CRI > 90
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

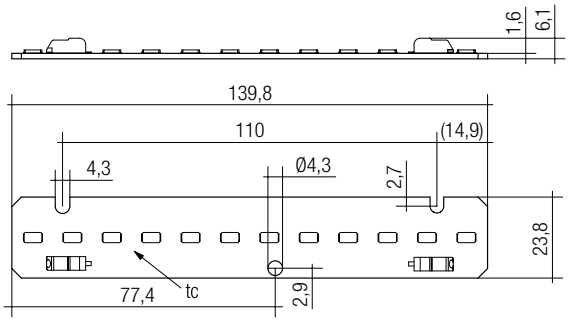
Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

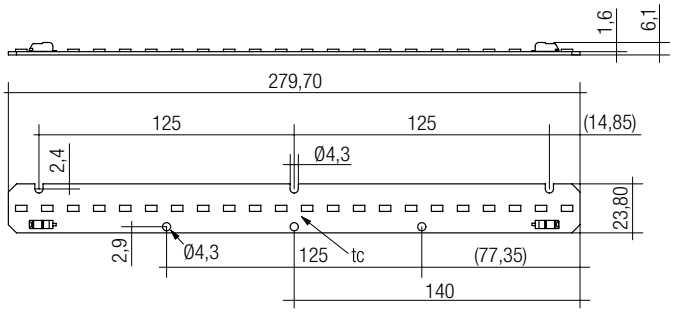
For standards see data sheet

For colour temperatures and tolerances see data sheet





LLE-G3-24-140



LLE-G3-24-280

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE-G3-24-140-650-930-SEL	**28001031**	3,000 K	480 pc(s).	0.012 kg
LLE-G3-24-140-650-940-SEL	**28001032**	4,000 K	480 pc(s).	0.012 kg
LLE-G3-24-280-1250-930-SEL	**28000352**	3,000 K	300 pc(s).	0.023 kg
LLE-G3-24-280-1250-940-SEL	**28000353**	4,000 K	300 pc(s).	0.023 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
LLE-G3-24-140-650-930-SEL	930/359	530 lm	500 lm	250 mA	15.3 V	18.9 V	4.2 W	118 lm/W	118 lm/W	104 lm/W	> 90	A+
LLE-G3-24-140-650-940-SEL	940/359	550 lm	530 lm	250 mA	15.3 V	18.9 V	4.2 W	123 lm/W	123 lm/W	108 lm/W	> 90	A+
LLE-G3-24-280-1250-930-SEL	930/359	970 lm	920 lm	250 mA	28.2 V	34.5 V	7.8 W	118 lm/W	118 lm/W	104 lm/W	> 90	A+
LLE-G3-24-280-1250-940-SEL	940/359	1,010 lm	960 lm	250 mA	28.2 V	34.5 V	7.8 W	123 lm/W	123 lm/W	108 lm/W	> 90	A+
Operating mode HO at 300 mA												
LLE-G3-24-140-650-930-SEL	930/359	630 lm	590 lm	300 mA	15.6 V	19.3 V	5.2 W	115 lm/W	114 lm/W	100 lm/W	> 90	A+
LLE-G3-24-140-650-940-SEL	940/359	650 lm	620 lm	300 mA	15.6 V	19.3 V	5.2 W	120 lm/W	119 lm/W	105 lm/W	> 90	A+
LLE-G3-24-280-1250-930-SEL	930/359	1,150 lm	1,090 lm	300 mA	28.8 V	35.2 V	9.6 W	115 lm/W	114 lm/W	100 lm/W	> 90	A+
LLE-G3-24-280-1250-940-SEL	940/359	1,200 lm	1,140 lm	300 mA	28.8 V	35.2 V	9.6 W	120 lm/W	119 lm/W	105 lm/W	> 90	A+
Operating mode HO at 350 mA												
LLE-G3-24-140-650-930-SEL	930/359	720 lm	670 lm	350 mA	16.0 V	19.6 V	6.2 W	112 lm/W	108 lm/W	95 lm/W	> 90	A+
LLE-G3-24-140-650-940-SEL	940/359	750 lm	700 lm	350 mA	16.0 V	19.6 V	6.2 W	117 lm/W	112 lm/W	99 lm/W	> 90	A+
LLE-G3-24-280-1250-930-SEL	930/359	1,310 lm	1,230 lm	350 mA	29.4 V	35.8 V	11.4 W	112 lm/W	108 lm/W	95 lm/W	> 90	A+
LLE-G3-24-280-1250-940-SEL	940/359	1,370 lm	1,280 lm	350 mA	29.4 V	35.8 V	11.4 W	117 lm/W	112 lm/W	99 lm/W	> 90	A+

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 400 mA.
⑤ Max. permissible surge current: 1 A, duration max. 10 µs.

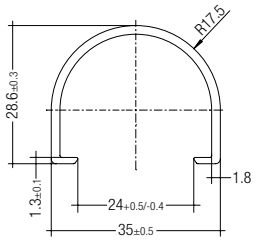
ACCES-SORIES

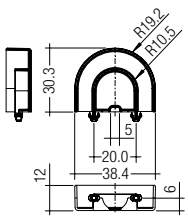
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting
  on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting
  (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear cover made of PMMA
- Endcap made of Polycarbonat
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







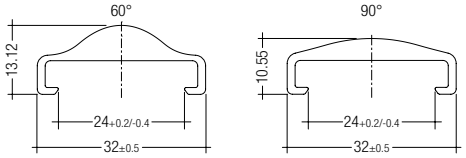
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

LINEAR LENS





Product description

Linear lens for LLE 24

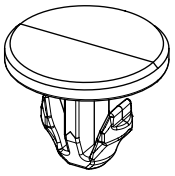
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Material: PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)

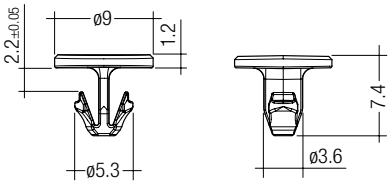
Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1,600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1,600 mm	21 pc(s).	0.221 kg

ACCES-SORIES

CLIP 4.3mm





Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (for sheet thickness 0.5 – 1.0 mm)
- For drilling hole 4 mm
- Clip made of polycarbonate

Ordering data

Type	Article number	Colour	Packaging, bag	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

RoHS

TALEXmodule LLE G3 16x140mm 325lm ADV, LLE G3 16x280mm 650lm ADV

TALEXmodule LLE ADVANCED

Product description

- Ideal for compact linear luminaires designs
- Homogenous illumination thanks to small package distance
- Best refurbishment option for T5 lamps
- Luminous flux range from 290 – 850 lm
- LED system solution with outstanding system efficacy up to 140 lm/W, consisting of linear LED module and LED Driver LCAI 65W 150mA–400mA TOP lp
- Efficacy of the module up to 150 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (push-fix bridge or screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

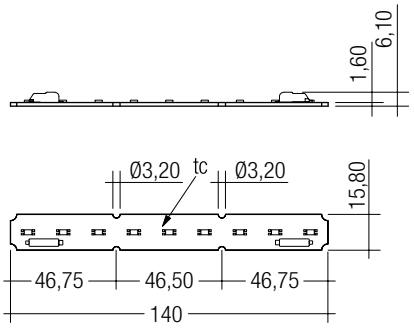
Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

→

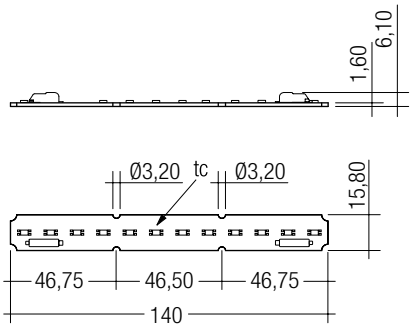
For standards see data sheet

For colour temperatures and tolerances see data sheet





LLE G3 16x140mm 325lm ADV



LLE G3 16x280mm 650lm ADV

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G3 16x140mm 325lm 830 ADV	**89602054**	3,000 K	360 pc(s).	0.008 kg
LLE G3 16x140mm 325lm 840 ADV	**89602055**	4,000 K	360 pc(s).	0.008 kg
LLE G3 16x280mm 650lm 830 ADV	**89602058**	3,000 K	360 pc(s).	0.016 kg
LLE G3 16x280mm 650lm 840 ADV	**89602059**	4,000 K	360 pc(s).	0.016 kg

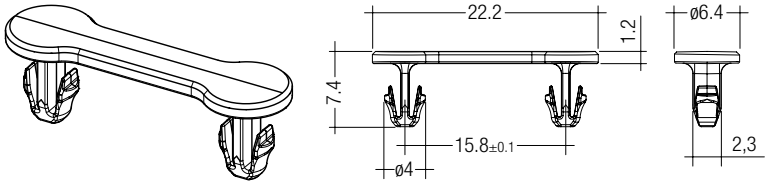
Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
LLE G3 16x140mm 325lm 830 ADV	830/349	315 lm	290 lm	250 mA	7.80 V	9.1 V	2.1 W	144 lm/W	138 lm/W	126 lm/W	> 80	A++
LLE G3 16x140mm 325lm 840 ADV	840/349	335 lm	315 lm	250 mA	7.80 V	9.1 V	2.1 W	154 lm/W	150 lm/W	137 lm/W	> 80	A++
LLE G3 16x280mm 650lm 830 ADV	830/349	625 lm	570 lm	250 mA	15.60 V	18.2 V	4.2 W	144 lm/W	136 lm/W	124 lm/W	> 80	A++
LLE G3 16x280mm 650lm 840 ADV	840/349	670 lm	630 lm	250 mA	15.60 V	18.2 V	4.2 W	154 lm/W	150 lm/W	137 lm/W	> 80	A++
Operating mode HO at 300 mA												
LLE G3 16x140mm 325lm 830 ADV	830/349	370 lm	340 lm	300 mA	8.00 V	9.3 V	2.5 W	140 lm/W	136 lm/W	124 lm/W	> 80	A++
LLE G3 16x140mm 325lm 840 ADV	840/349	400 lm	370 lm	300 mA	8.00 V	9.3 V	2.5 W	151 lm/W	148 lm/W	135 lm/W	> 80	A++
LLE G3 16x280mm 650lm 830 ADV	830/349	735 lm	675 lm	300 mA	16.00 V	18.6 V	5.1 W	139 lm/W	132 lm/W	120 lm/W	> 80	A++
LLE G3 16x280mm 650lm 840 ADV	840/349	795 lm	740 lm	300 mA	16.00 V	18.6 V	5.1 W	150 lm/W	145 lm/W	132 lm/W	> 80	A++
Operating mode HO at 350 mA												
LLE G3 16x140mm 325lm 830 ADV	830/349	425 lm	395 lm	350 mA	8.15 V	9.5 V	3.0 W	136 lm/W	132 lm/W	120 lm/W	> 80	A++
LLE G3 16x140mm 325lm 840 ADV	840/349	455 lm	430 lm	350 mA	8.15 V	9.5 V	3.0 W	145 lm/W	143 lm/W	130 lm/W	> 80	A++
LLE G3 16x280mm 650lm 830 ADV	830/349	840 lm	780 lm	350 mA	16.30 V	18.9 V	6.0 W	134 lm/W	130 lm/W	118 lm/W	> 80	A++
LLE G3 16x280mm 650lm 840 ADV	840/349	910 lm	850 lm	350 mA	16.30 V	18.9 V	6.0 W	146 lm/W	142 lm/W	129 lm/W	> 80	A++

① Integrated measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 600 mA.
⑤ Max. permissible surge current: 1.5 A, duration max. 10 µs.

ACCES-SORIES

BRIDGE LLE16



Product description

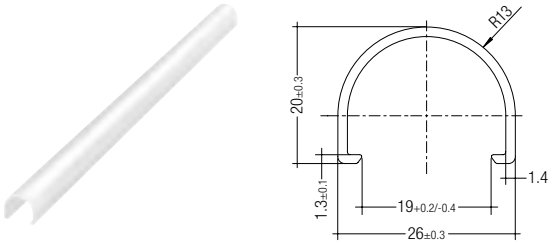
- Clip for fixation for LLE16
- Fast snap on mounting (for sheet thickness 0.5 – 1.0 mm)
- Clip made of polycarbonate

Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACL BRIDGE LLE16 PUSH-FIX	**28001035**	White	200 pc(s).	0.001 kg

ACCES-SORIES

ACL LINEAR COVER 16x1600mm



Product description

- LINEAR COVER for LLE 16
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 16 with clips or plastic washers
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Tolerances LINEAR COVER: + 20 mm for 1,600 mm legth (ends raw)

Ordering data

Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR COVER 16x1600mm TRANSPARENT	**28000949**	Transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm FROSTED	**28000950**	Semi-transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm DIFFUSE	**28000951**	Diffuse	1,600 mm	24 pc(s).	0.147 kg

RoHS

TALEX(module LLE G3 16x140mm 650lm ADV, LLE G3 16x280mm 1250lm ADV

TALEX(module LLE ADVANCED

Product description

- Ideal for compact linear luminaires designs
- Homogenous illumination thanks to small package distance
- Best refurbishment option for T5 lamps
- Luminous flux range from 555 – 1,620 lm
- LED system solution with outstanding system efficacy up to 132 lm/W, consisting of linear LED module and LED Driver LCAI 65W 150mA–400mA TOP lp
- Efficacy of the module up to 142 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (push-fix bridge or screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

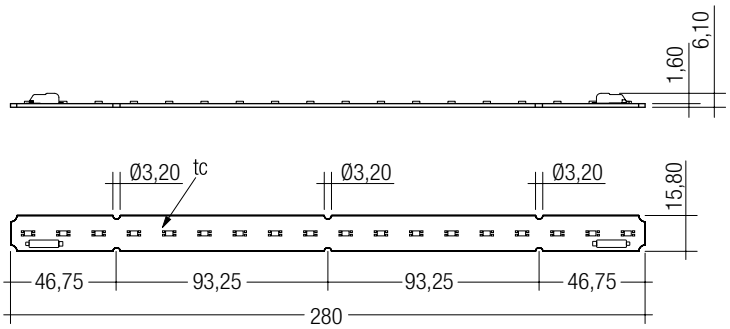
Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

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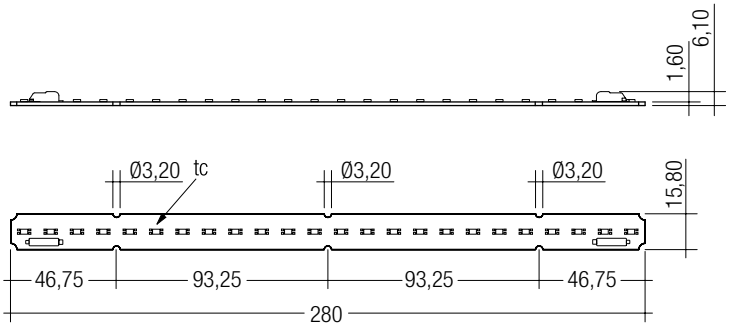
For standards see data sheet

For colour temperatures and tolerances see data sheet





LLE G3 16x140mm 650lm ADV



LLE G3 16x280mm 1250lm ADV

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE G3 16x140mm 650lm 830 ADV	**89602056**	3,000 K	360 pc(s).	0.008 kg
LLE G3 16x140mm 650lm 840 ADV	**89602057**	4,000 K	360 pc(s).	0.008 kg
LLE G3 16x280mm 1250lm 830 ADV	**89602060**	3,000 K	360 pc(s).	0.016 kg
LLE G3 16x280mm 1250lm 840 ADV	**89602061**	4,000 K	360 pc(s).	0.016 kg

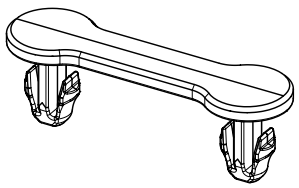
Specific technical data

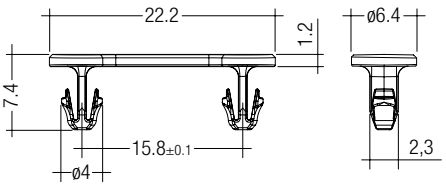
Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
LLE G3 16x140mm 650lm 830 ADV	830/349	600 lm	555 lm	250 mA	16.5 V	18.4 V	4.3 W	134 lm/W	129 lm/W	117 lm/W	> 80	A++
LLE G3 16x140mm 650lm 840 ADV	840/349	650 lm	610 lm	250 mA	16.5 V	18.4 V	4.3 W	145 lm/W	142 lm/W	129 lm/W	> 80	A++
LLE G3 16x280mm 1250lm 830 ADV	830/349	1,200 lm	1,100 lm	250 mA	31.7 V	36.7 V	8.6 W	134 lm/W	128 lm/W	116 lm/W	> 80	A+
LLE G3 16x280mm 1250lm 840 ADV	840/349	1,300 lm	1,220 lm	250 mA	31.7 V	36.7 V	8.6 W	145 lm/W	142 lm/W	129 lm/W	> 80	A++
Operating mode HO at 300 mA												
LLE G3 16x140mm 650lm 830 ADV	830/349	705 lm	655 lm	300 mA	16.3 V	18.9 V	5.2 W	129 lm/W	126 lm/W	115 lm/W	> 80	A++
LLE G3 16x140mm 650lm 840 ADV	840/349	760 lm	720 lm	300 mA	16.3 V	18.9 V	5.2 W	139 lm/W	138 lm/W	126 lm/W	> 80	A++
LLE G3 16x280mm 1250lm 830 ADV	830/349	1,410 lm	1,290 lm	300 mA	32.5 V	37.7 V	10.5 W	129 lm/W	123 lm/W	112 lm/W	> 80	A+
LLE G3 16x280mm 1250lm 840 ADV	840/349	1,530 lm	1,420 lm	300 mA	32.5 V	37.7 V	10.5 W	140 lm/W	135 lm/W	123 lm/W	> 80	A+
Operating mode HO at 350 mA												
LLE G3 16x140mm 650lm 830 ADV	830/349	810 lm	750 lm	350 mA	16.6 V	19.3 V	6.2 W	125 lm/W	121 lm/W	110 lm/W	> 80	A+
LLE G3 16x140mm 650lm 840 ADV	840/349	875 lm	820 lm	350 mA	16.6 V	19.3 V	6.2 W	135 lm/W	132 lm/W	120 lm/W	> 80	A++
LLE G3 16x280mm 1250lm 830 ADV	830/349	1,620 lm	1,485 lm	350 mA	33.2 V	38.5 V	12.4 W	125 lm/W	120 lm/W	109 lm/W	> 80	A+
LLE G3 16x280mm 1250lm 840 ADV	840/349	1,745 lm	1,620 lm	350 mA	33.2 V	38.5 V	12.4 W	135 lm/W	130 lm/W	118 lm/W	> 80	A+

① Integrated measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 400 mA.
⑤ Max. permissible surge current: 1 A, duration max. 10 µs.

ACCES-SORIES

BRIDGE LLE16





Product description

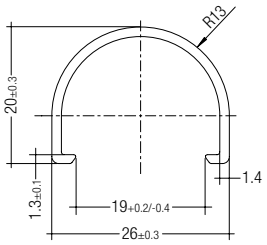
- Clip for fixation for LLE16
- Fast snap on mounting (for sheet thickness 0.5 – 1.0 mm)
- Clip made of polycarbonate

Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACL BRIDGE LLE16 PUSH-FIX	**28001035**	White	200 pc(s).	0.001 kg

ACCES-SORIES

ACL LINEAR COVER 16x1600mm



Product description

- LINEAR COVER for LLE 16
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 16 with clips or plastic washers
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Tolerances LINEAR COVER: + 20 mm for 1,600 mm legth (ends raw)

Ordering data

Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR COVER 16x1600mm TRANSPARENT	**28000949**	Transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm FROSTED	**28000950**	Semi-transparent	1,600 mm	24 pc(s).	0.147 kg
ACL LINEAR COVER 16x1600mm DIFFUSE	**28000951**	Diffuse	1,600 mm	24 pc(s).	0.147 kg

RoHS

TALEX(module STARK LLE 24-280-1250

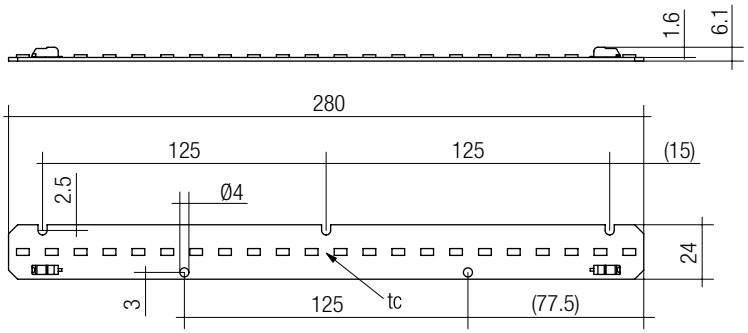
TALEX(module LLE ADVANCED

Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,100 – 1,440 lm
- LED system solution with outstanding system efficacy up to 112 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 080/0350
- Efficacy of the module up to 125 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 2,700 and 6,500 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE24-1250-827-CLA	**89800382**	2,700 K	50 pc(s).	0.023 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 300 mA												
STARK-LLE24-1250-827-CLA	827/4x9	1,160 lm	1,100 lm	300 mA	27.5 V	38.5 V	9.8 W	114 lm/W	111 lm/W	102 lm/W	> 80	A+
Operating mode HO at 350 mA												
STARK-LLE24-1250-827-CLA	827/4x9	1,300 lm	1,230 lm	350 mA	28.2 V	39.2 V	11.6 W	109 lm/W	107 lm/W	98 lm/W	> 80	A+

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current 6,500 K: 480 mA; 2,700 K: 600 mA.
⑤ Max. permissible surge current 6,500 K: 1 A, duration max. 10 µs; 2,700 K: 0.8 A, duration max. 10 ms.

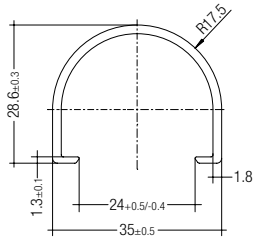
ACCES-SORIES

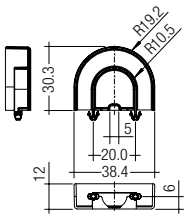
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting (sheet thickness 0.5 – 1.0 mm), for drilling hole 4 mm
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear cover made of PMMA
- Endcap made of Polycarbonat
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







Ordering data

Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.244 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

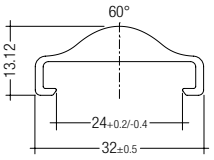
LINEAR LENS

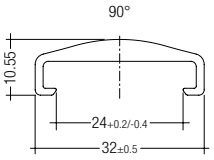
Product description

Linear lens for LLE 24

- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Material: PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)







Ordering data

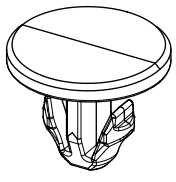
Type	Article number	Colour	Length	Packaging, carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1,600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1,600 mm	21 pc(s).	0.221 kg

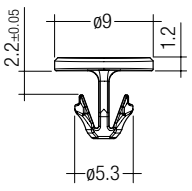
ACCES-SORIES

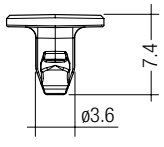
CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (for sheet thickness 0.5 – 1.0 mm)
- For drilling hole 4 mm
- Clip made of polycarbonate







Ordering data

Type	Article number	Colour	Packaging, bag	Weight per pc.
ACL CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

RoHS

TALEX(module STARK LLE-G3-24-140-650, LLE-G3-24-280-1250, LLE-G3-24-560-2400 CLASSIC

TALEX(module LLE ADVANCED

Product description

- Ideal for linear and panel lights
- Luminous flux range from 620 – 3,290 lm
- LED system solution with outstanding system efficiency up to 143 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficiency of the module up to 160 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000, 4,000 and 5,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

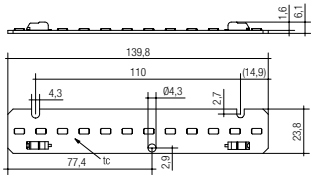
Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

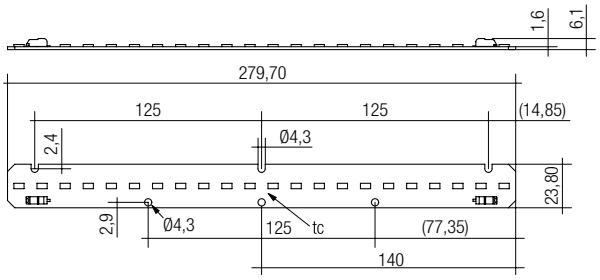
For standards see data sheet

For colour temperatures and tolerances see data sheet

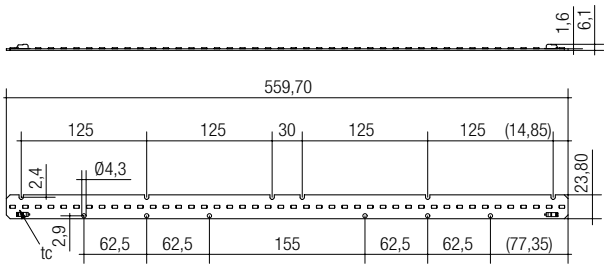




LLE-G3-24-140



LLE-G3-24-280



LLE-G3-24-560

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-G3-24-140-650-830-CLA	**28000391**	3,000 K	480 pc(s).	0.012 kg
STARK-LLE-G3-24-140-650-840-CLA	**28000392**	4,000 K	480 pc(s).	0.012 kg
STARK-LLE-G3-24-280-1250-830-CLA	**28000395**	3,000 K	300 pc(s).	0.023 kg
STARK-LLE-G3-24-280-1250-840-CLA	**28000396**	4,000 K	300 pc(s).	0.023 kg
STARK-LLE-G3-24-280-1250-850-CLA	**28000397**	5,000 K	300 pc(s).	0.023 kg
STARK-LLE-G3-24-560-2400-830-CLA	**28000400**	3,000 K	240 pc(s).	0.046 kg
STARK-LLE-G3-24-560-2400-840-CLA	**28000401**	4,000 K	240 pc(s).	0.046 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
STARK-LLE-G3-24-140-650-830-CLA	830/359	650 lm	620 lm	250 mA	15.9 V	18.9 V	4.3 W	149 lm/W	145 lm/W	128 lm/W	> 80	A++
STARK-LLE-G3-24-140-650-840-CLA	840/359	670 lm	640 lm	250 mA	15.9 V	18.9 V	4.3 W	154 lm/W	149 lm/W	131 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-830-CLA	830/359	1,190 lm	1,130 lm	250 mA	29.2 V	34.5 V	7.8 W	149 lm/W	145 lm/W	128 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-840-CLA	840/359	1,230 lm	1,170 lm	250 mA	29.2 V	34.5 V	7.8 W	154 lm/W	149 lm/W	131 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-850-CLA	850/359	1,280 lm	1,220 lm	250 mA	29.2 V	34.5 V	7.8 W	160 lm/W	156 lm/W	137 lm/W	> 80	A++
STARK-LLE-G3-24-560-2400-830-CLA	830/359	2,390 lm	2,270 lm	250 mA	58.2 V	69.0 V	15.7 W	149 lm/W	145 lm/W	128 lm/W	> 80	A++
STARK-LLE-G3-24-560-2400-840-CLA	840/359	2,470 lm	2,340 lm	250 mA	58.2 V	69.0 V	15.7 W	154 lm/W	149 lm/W	131 lm/W	> 80	A++
Operating mode HO at 300 mA												
STARK-LLE-G3-24-140-650-830-CLA	830/359	760 lm	720 lm	300 mA	16.2 V	19.3 V	5.2 W	143 lm/W	138 lm/W	121 lm/W	> 80	A++
STARK-LLE-G3-24-140-650-840-CLA	840/359	780 lm	740 lm	300 mA	16.2 V	19.3 V	5.2 W	147 lm/W	142 lm/W	125 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-830-CLA	830/359	1,400 lm	1,320 lm	300 mA	29.8 V	35.2 V	9.6 W	143 lm/W	138 lm/W	121 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-840-CLA	840/359	1,440 lm	1,360 lm	300 mA	29.8 V	35.2 V	9.6 W	147 lm/W	142 lm/W	125 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-850-CLA	850/359	1,500 lm	1,420 lm	300 mA	29.8 V	35.2 V	9.6 W	153 lm/W	148 lm/W	130 lm/W	> 80	A++
STARK-LLE-G3-24-560-2400-830-CLA	830/359	2,800 lm	2,640 lm	300 mA	59.6 V	70.3 V	19.3 W	143 lm/W	138 lm/W	121 lm/W	> 80	A++
STARK-LLE-G3-24-560-2400-840-CLA	840/359	2,890 lm	2,730 lm	300 mA	59.6 V	70.3 V	19.3 W	147 lm/W	142 lm/W	125 lm/W	> 80	A++
Operating mode HO at 350 mA												
STARK-LLE-G3-24-140-650-830-CLA	830/359	870 lm	820 lm	350 mA	16.6 V	19.6 V	6.2 W	137 lm/W	131 lm/W	115 lm/W	> 80	A++
STARK-LLE-G3-24-140-650-840-CLA	840/359	900 lm	840 lm	350 mA	16.6 V	19.6 V	6.2 W	141 lm/W	136 lm/W	120 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-830-CLA	830/359	1,590 lm	1,500 lm	350 mA	30.4 V	35.8 V	11.4 W	137 lm/W	131 lm/W	115 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-840-CLA	840/359	1,640 lm	1,550 lm	350 mA	30.4 V	35.8 V	11.4 W	141 lm/W	136 lm/W	120 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-850-CLA	850/359	1,710 lm	1,610 lm	350 mA	30.4 V	35.8 V	11.4 W	147 lm/W	141 lm/W	124 lm/W	> 80	A++
STARK-LLE-G3-24-560-2400-830-CLA	830/359	3,190 lm	3,000 lm	350 mA	60.8 V	71.5 V	22.8 W	137 lm/W	131 lm/W	115 lm/W	> 80	A++
STARK-LLE-G3-24-560-2400-840-CLA	840/359	3,290 lm	3,090 lm	350 mA	60.8 V	71.5 V	22.8 W	141 lm/W	136 lm/W	120 lm/W	> 80	A++

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 400 mA.
⑤ Max. permissible surge current: 1 A, duration max. 10 ms.

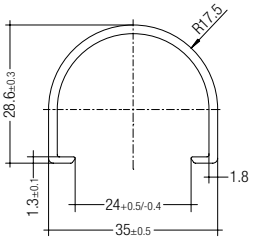
ACCES-SORIES

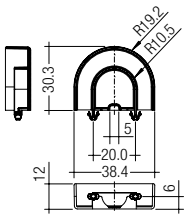
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







Ordering data

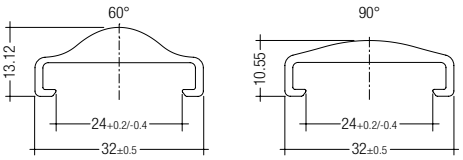
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

LINEAR LENS

Product description

- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)



Ordering data

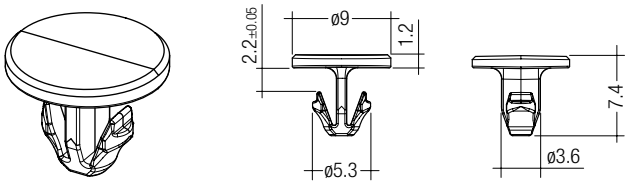
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

ACCES-SORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat



Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

RoHS

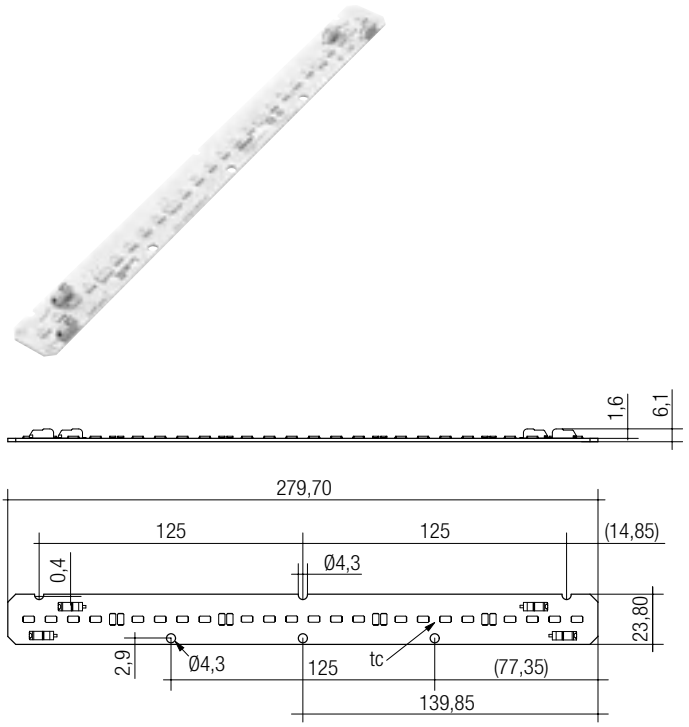
TALEXmodule STARK LLE-G3-24-280-1250 CLASSIC EM

TALEXmodule LLE ADVANCED

Product description

- Ildeal for linear and panel lights
- Luminous flux range from 1,130 – 1,640 lm
- Combined LED module for general and emergency lighting
- Integrated separate emergency LEDs controlled by EM powerLED
- LED system solution with outstanding system efficacy up to 131 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficacy of the module up to 154 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-G3-24-280-1250-830-CLA-EM	**28000402**	3,000 K	300 pc(s).	0.023 kg
STARK-LLE-G3-24-280-1250-840-CLA-EM	**28000403**	4,000 K	300 pc(s).	0.023 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
STARK-LLE-G3-24-280-1250-830-CLA-EM	830/359	1,190 lm	1,130 lm	250 mA	29.2 V	34.5 V	7.8 W	149 lm/W	145 lm/W	128 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-840-CLA-EM	840/359	1,230 lm	1,170 lm	250 mA	29.2 V	34.5 V	7.8 W	154 lm/W	149 lm/W	131 lm/W	> 80	A++
Operating mode HO at 300 mA												
STARK-LLE-G3-24-280-1250-830-CLA-EM	830/359	1,400 lm	1,320 lm	300 mA	29.8 V	35.2 V	9.6 W	143 lm/W	138 lm/W	121 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-840-CLA-EM	840/359	1,440 lm	1,360 lm	300 mA	29.8 V	35.2 V	9.6 W	147 lm/W	142 lm/W	125 lm/W	> 80	A++
Operating mode HO at 350 mA												
STARK-LLE-G3-24-280-1250-830-CLA-EM	830/359	1,590 lm	1,500 lm	350 mA	30.4 V	35.8 V	11.4 W	137 lm/W	131 lm/W	115 lm/W	> 80	A++
STARK-LLE-G3-24-280-1250-840-CLA-EM	840/359	1,640 lm	1,550 lm	350 mA	30.4 V	35.8 V	11.4 W	141 lm/W	136 lm/W	120 lm/W	> 80	A++
Emergency operation at 700 mA (EM powerLED 4 W)												
STARK-LLE-G3-24-280-1250-830-CLA-EM	830/359	580 lm	550 lm	700 mA	5.5 V	6.7 V	–	–	–	–	–	A++
STARK-LLE-G3-24-280-1250-840-CLA-EM	840/359	600 lm	560 lm	700 mA	5.5 V	6.7 V	–	–	–	–	–	–

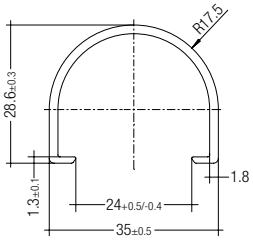
① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 600 mA.
⑤ Max. permissible surge current: 0.78 A, duration max. 10 ms.

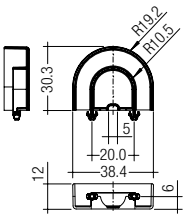
ACCES-SORIES

LINEAR COVER SY

Product description
- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







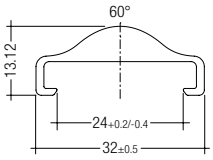
Ordering data

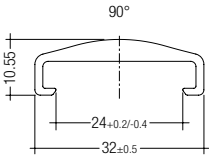
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

LINEAR LENS

Product description
- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)





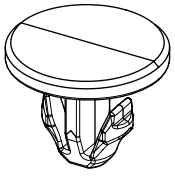
Ordering data

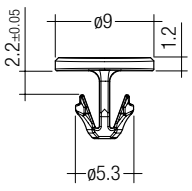
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	28000953	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

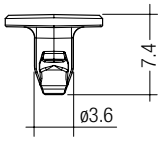
ACCES-SORIES

CLIP 4.3mm

Product description
- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat







Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg

RoHS

TALEXmodule STARK LLE-G3-24-280-650, LLE-G3-24-560-1300 CLASSIC

TALEXmodule LLE ADVANCED

Product description

- Ideal for linear and panel lights
- Luminous flux range from 620 – 1,790 lm
- LED system solution with outstanding system efficacy up to 131 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficacy of the module up to 154 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

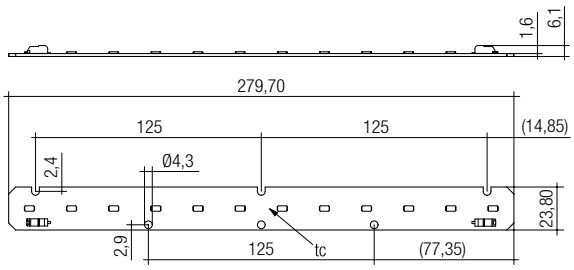
Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

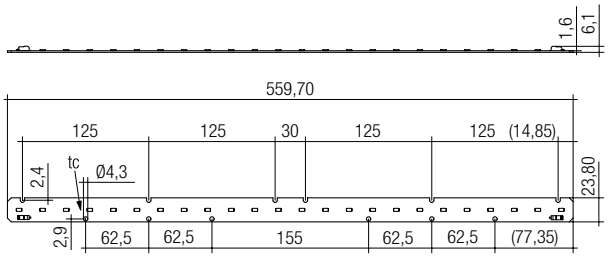
For standards see data sheet

For colour temperatures and tolerances see data sheet





LLE-G3-24-280



LLE-G3-24-560

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-G3-24-280-650-830-CLA	**28000393**	3,000 K	300 pc(s).	0.023 kg
STARK-LLE-G3-24-280-650-840-CLA	**28000394**	4,000 K	300 pc(s).	0.023 kg
STARK-LLE-G3-24-560-1300-830-CLA	**28000398**	3,000 K	240 pc(s).	0.046 kg
STARK-LLE-G3-24-560-1300-840-CLA	**28000399**	4,000 K	240 pc(s).	0.046 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
STARK-LLE-G3-24-280-650-830-CLA	830/359	650 lm	620 lm	250 mA	15.9 V	18.9 V	4.3 W	149 lm/W	145 lm/W	128 lm/W	> 80	A++
STARK-LLE-G3-24-280-650-840-CLA	840/359	670 lm	640 lm	250 mA	15.9 V	18.9 V	4.3 W	154 lm/W	149 lm/W	131 lm/W	> 80	A++
STARK-LLE-G3-24-560-1300-830-CLA	830/359	1,300 lm	1,240 lm	250 mA	31.8 V	37.6 V	8.6 W	149 lm/W	145 lm/W	128 lm/W	> 80	A++
STARK-LLE-G3-24-560-1300-840-CLA	840/359	1,340 lm	1,280 lm	250 mA	31.8 V	37.6 V	8.6 W	154 lm/W	149 lm/W	131 lm/W	> 80	A++
Operating mode HO at 300 mA												
STARK-LLE-G3-24-280-650-830-CLA	830/359	760 lm	720 lm	300 mA	16.2 V	19.3 V	5.2 W	143 lm/W	138 lm/W	121 lm/W	> 80	A++
STARK-LLE-G3-24-280-650-840-CLA	840/359	790 lm	740 lm	300 mA	16.2 V	19.3 V	5.2 W	147 lm/W	142 lm/W	125 lm/W	> 80	A++
STARK-LLE-G3-24-560-1300-830-CLA	830/359	1,530 lm	1,440 lm	300 mA	32.5 V	38.4 V	10.5 W	143 lm/W	138 lm/W	121 lm/W	> 80	A++
STARK-LLE-G3-24-560-1300-840-CLA	840/359	1,570 lm	1,490 lm	300 mA	32.5 V	38.4 V	10.5 W	147 lm/W	142 lm/W	125 lm/W	> 80	A++
Operating mode HO at 350 mA												
STARK-LLE-G3-24-280-650-830-CLA	830/359	870 lm	820 lm	350 mA	16.6 V	19.6 V	6.2 W	137 lm/W	131 lm/W	115 lm/W	> 80	A++
STARK-LLE-G3-24-280-650-840-CLA	840/359	900 lm	840 lm	350 mA	16.6 V	19.6 V	6.2 W	141 lm/W	136 lm/W	120 lm/W	> 80	A++
STARK-LLE-G3-24-560-1300-830-CLA	830/359	1,740 lm	1,630 lm	350 mA	33.2 V	39.0 V	12.4 W	137 lm/W	131 lm/W	115 lm/W	> 80	A++
STARK-LLE-G3-24-560-1300-840-CLA	840/359	1,790 lm	1,690 lm	350 mA	33.2 V	39.0 V	12.4 W	141 lm/W	136 lm/W	120 lm/W	> 80	A++

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 400 mA.
⑤ Max. permissible surge current: 1 A, duration max. 10 ms.

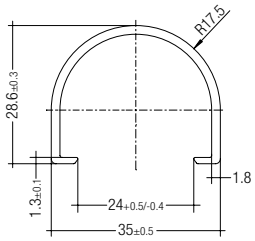
ACCES-SORIES

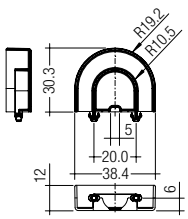
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







Ordering data

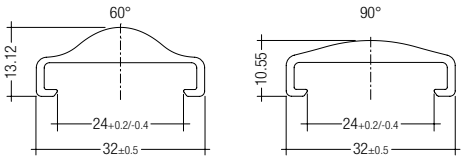
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

LINEAR LENS

Product description

- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)



Ordering data

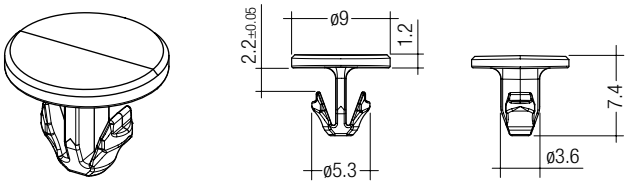
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

ACCES-SORIES

CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat



Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

RoHS

TALEXmodule STARK LLE-G3-24-280-2000 CLASSIC

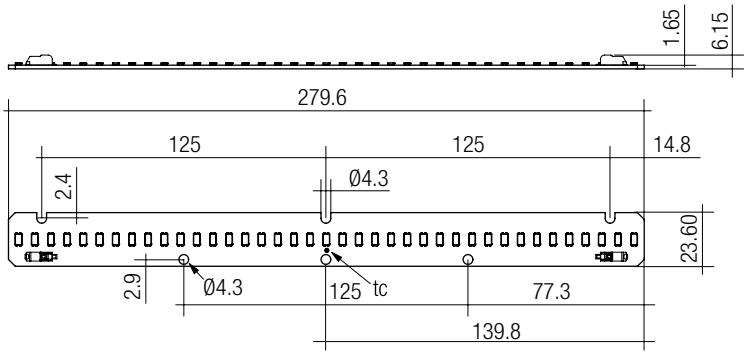
TALEXmodule LLE ADVANCED

Product description

- Ideal for linear and panel lights
- Luminous flux range from 620 – 1,790 lm
- LED system solution with outstanding system efficacy up to 131 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficacy of the module up to 154 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-G3-24-280-2000-830-CLA	89602008	3,000 K	600 pc(s).	0.024 kg
STARK-LLE-G3-24-280-2000-840-CLA	89602009	4,000 K	600 pc(s).	0.024 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Typ ②	Photometric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Operating mode HE at 300 mA												
STARK-LLE-G3-24-280-2000-830-CLA	830/3xx	1,550 lm	1,450 lm	300 mA	34.7 V	40.3 V	11 W	135 lm/W	132 lm/W	116 lm/W	> 80	A++
STARK-LLE-G3-24-280-2000-840-CLA	840/3xx	1,710 lm	1,620 lm	300 mA	34.7 V	40.3 V	11 W	149 lm/W	147 lm/W	129 lm/W	> 80	A++
Operating mode HE at 350 mA												
STARK-LLE-G3-24-280-2000-830-CLA	830/3xx	1,780 lm	1,670 lm	350 mA	35.3 V	40.9 V	13 W	131 lm/W	128 lm/W	113 lm/W	> 80	A++
STARK-LLE-G3-24-280-2000-840-CLA	840/3xx	1,980 lm	1,860 lm	350 mA	35.3 V	40.9 V	13 W	146 lm/W	143 lm/W	126 lm/W	> 80	A++
Operating mode HO at 375 mA												
STARK-LLE-G3-24-280-2000-830-CLA	830/3xx	1,890 lm	1,780 lm	375 mA	35.5 V	41.2 V	14 W	129 lm/W	127 lm/W	112 lm/W	> 80	A++
STARK-LLE-G3-24-280-2000-840-CLA	840/3xx	2,110 lm	1,980 lm	375 mA	35.5 V	41.2 V	14 W	145 lm/W	141 lm/W	124 lm/W	> 80	A++

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 600 mA.
⑤ Max. permissible surge current: 0.78 A, duration max. 10 µs.

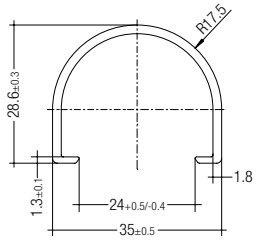
ACCES-SORIES

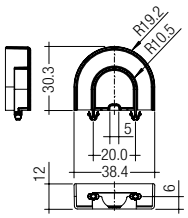
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







Ordering data

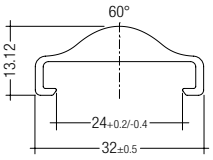
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

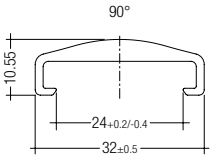
ACCES-SORIES

LINEAR LENS

Product description

- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)





Ordering data

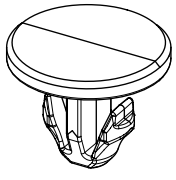
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

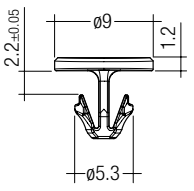
ACCES-SORIES

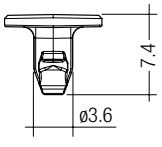
CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat







Ordering data

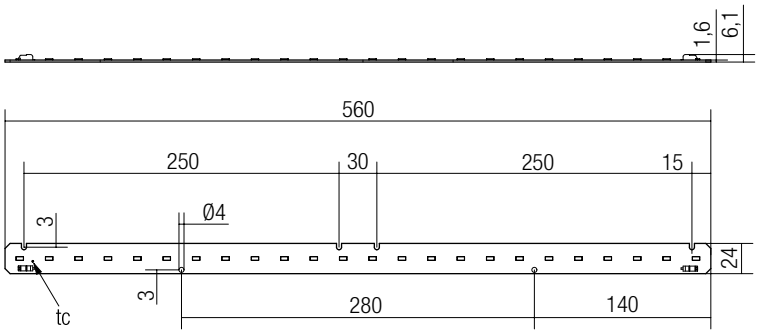
Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

RoHS

TALEXmodule STARK LLE 24-560-1300 CLASSIC

TALEXmodule LLE ADVANCED





Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,250 – 1,570 lm
- LED system solution with outstanding system efficiency up to 113 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 040/0300
- Efficiency of the module up to 123 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000, 4,000 and 6,500 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-24-560-1300-865-CLA	**89800380**	6,500 K	75 pc(s).	0.046 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 300 mA												
STARK-LLE-24-560-1300-865-CLA	865/358	1,380 lm	1,310 lm	300 mA	30.0 V	42.0 V	10.6 W	125 lm/W	123 lm/W	114 lm/W	> 80	A+
Operating mode HO at 350 mA												
STARK-LLE-24-560-1300-865-CLA	865/358	1,550 lm	1,480 lm	350 mA	30.7 V	42.8 V	12.7 W	118 lm/W	116 lm/W	108 lm/W	> 80	A+

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current 3,000 and 4,000 K: 480 mA; 6,500 K: 600 mA.
⑤ Max. permissible surge current 3,000 and 4,000 K: 1 A, duration max. 10 µs; 6,500 K: 0.8 A, duration max. 10 ms.

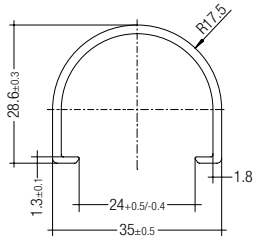
ACCES-SORIES

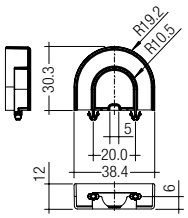
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







Ordering data

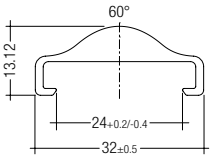
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

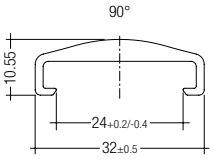
ACCES-SORIES

LINEAR LENS

Product description

- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)





Ordering data

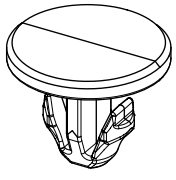
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

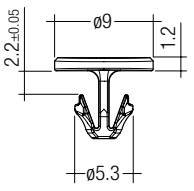
ACCES-SORIES

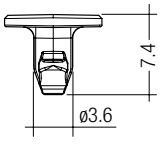
CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat







Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

NEU

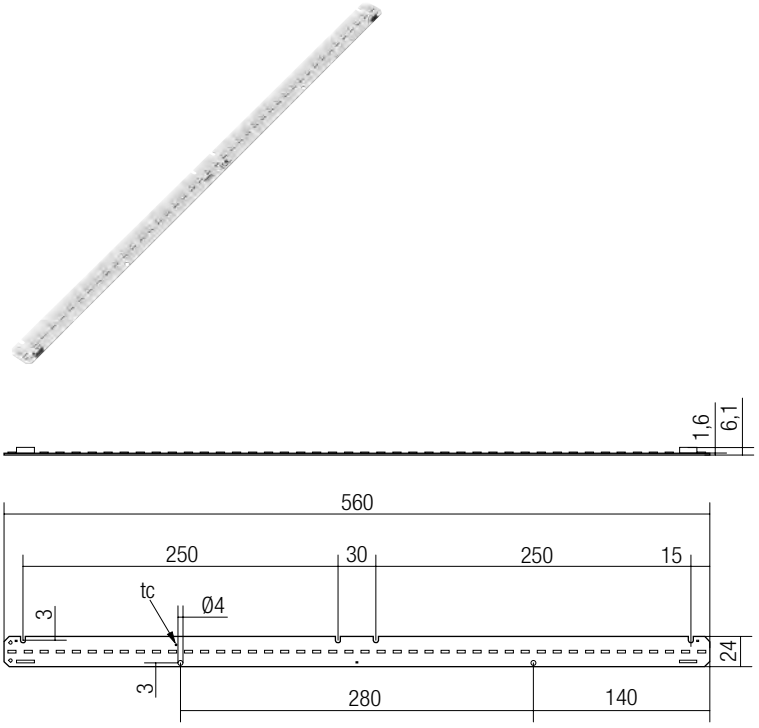
TALEX(module STARK LLE 24-560-2400 CLASSIC

TALEX(module LLE ADVANCED

Product description

- Ideal for linear and panel lights
- Luminous flux range from 2,280 – 2,820 lm
- LED system solution with outstanding system efficiency up to 112 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 070/0300
- Efficiency of the module up to 123 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000, 4,000 and 6,500 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type②	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-24-560-2400-865-CLA	**89800381**	6,500 K	75 pc(s).	0.043 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type②	Photo-metric code	Typ. luminous flux at tp = 25 °C③	Typ. luminous flux at tp = 65 °C③	Typ. forward current ③④⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C③	Luminous effi-cacy module at tp = 25 °C	Luminous effi-cacy module at tp = 65 °C	Luminous effi-cacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 300 mA												
STARK-LLE-24-560-2400-865-CLA	865/358	2,530 lm	2,400 lm	300 mA	55.0 V	77.0 V	19.5 W	125 lm/W	123 lm/W	114 lm/W	> 80	A+
Operating mode HO at 350 mA												
STARK-LLE-24-560-2400-865-CLA	865/358	2,850 lm	2,700 lm	350 mA	56.3 V	78.3 V	23.3 W	119 lm/W	116 lm/W	108 lm/W	> 80	A+

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current 3,000 and 4,000 K: 480 mA; 6,500 K: 600 mA.
⑤ Max. permissible surge current 3,000 and 4,000 K: 1 A, duration max. 10 µs; 6,500 K: 0.8 A, duration max. 10 ms.

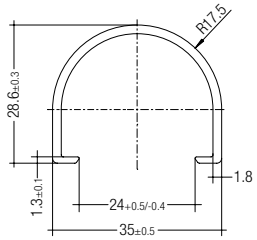
ACCES-SORIES

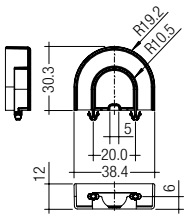
LINEAR COVER SY

Product description

- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







Ordering data

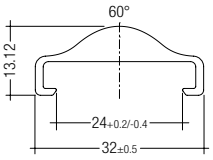
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	**28000437**	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	**28000435**	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	**28000422**	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	**28000438**	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	**28000436**	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	**28000434**	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	**28001037**	White	–	480 pc(s).	0.003 kg

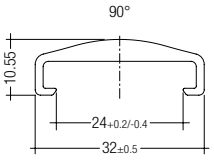
ACCES-SORIES

LINEAR LENS

Product description

- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)





Ordering data

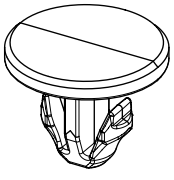
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	**28000953**	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	**28000955**	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

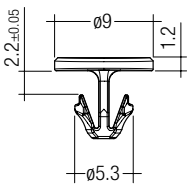
ACCES-SORIES

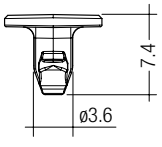
CLIP 4.3mm

Product description

- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat







Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	**28001036**	White	500 pc(s).	0.001 kg

RoHS

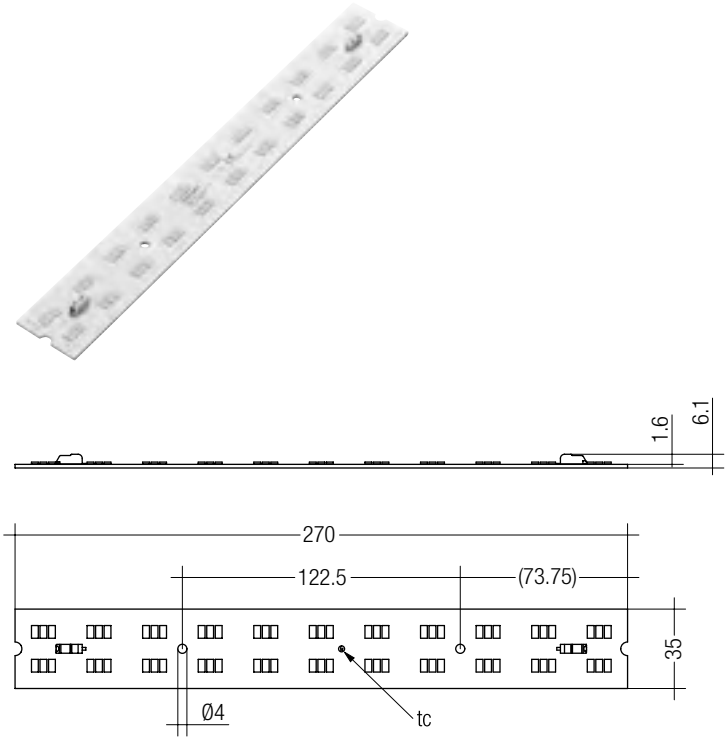
TALEXmodule STARK LLE 35-270-1250

TALEXmodule LLE ADVANCED

Product description

- Ideal for linear and panel lights
- LED system solution with outstanding system efficiency up to 118 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 080/0350
- Efficiency of the module up to 131 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year system guarantee on the complete product

→ For product data sheet go to www.tridonic.com, or available on request



Draft design – dimensions and layout could divagate

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +55 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-G2-1250-830-CLA	28000140	3,000 K	200 pc(s).	0.045 kg
STARK-LLE-G2-1250-840-CLA	28000141	4,000 K	200 pc(s).	0.059 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 65 °C ②	Typ. forward current ② ③ ④	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ②	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Operating mode HE at 300 mA												
STARK-LLE-G2-1250-830-CLA	830/369	1,210 lm	1,180 lm	300 mA	28.1 V	36.0 V	9.8 W	123 lm/W	120 lm/W	110 lm/W	> 80	A+
STARK-LLE-G2-1250-840-CLA	840/369	1,280 lm	1,250 lm	300 mA	28.1 V	36.0 V	9.8 W	131 lm/W	128 lm/W	118 lm/W	> 80	A+
Operating mode HO at 350 mA												
STARK-LLE-G2-1250-830-CLA	830/369	1,390 lm	1,360 lm	350 mA	28.6 V	36.6 V	11.6 W	120 lm/W	117 lm/W	108 lm/W	> 80	A+
STARK-LLE-G2-1250-840-CLA	840/369	1,470 lm	1,440 lm	350 mA	28.6 V	36.6 V	11.6 W	127 lm/W	124 lm/W	114 lm/W	> 80	A+

① Integrated measurement over the complete module.
② Tolerance range for optical and electrical data: ±10 %.
③ Max. permissible repetitive peak current: 900 mA.
④ Max. permissible surge current: 1.5 A, duration max. 10 µs.

RoHS

TALEXmodule STARK LLE-55-280-1650 CLASSIC

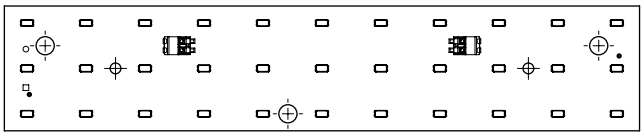
TALEXmodule LLE ADVANCED

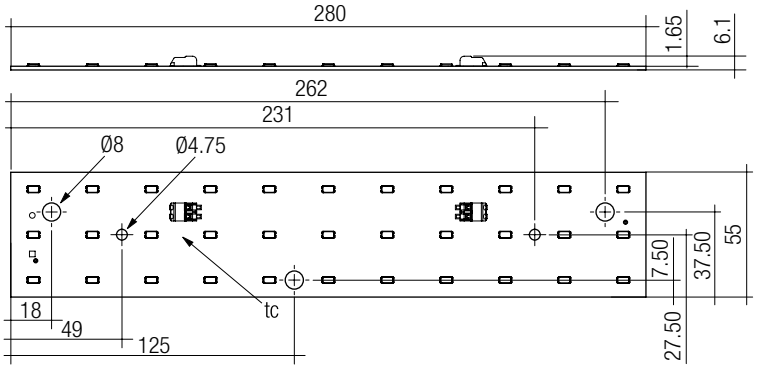
Product description

- Ideal for linear and panel lights
- LED system solution with outstanding system efficacy up to 126 lm/W, consisting of squared LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficacy of the module up to 150 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperature 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request







Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
LLE-55-280-1650-840-CLA	**89602022**	4.000 K	240 pc(s).	0.051 kg

Spezifische technische Daten

Type	Photometric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 65 °C ②	Typ. forward current ② ③ ④	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ②	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
LLE-55-280-1650-840-CLA	840/349	1,590 lm	1,490 lm	325 mA	29.7 V	34.5 V	10.2 W	150 lm/W	146 lm/W	126 lm/W	> 80	A++

① Central measurement over the whole module.
② Tolerance range for optical and electrical data: ±10 %.
③ Max. permissible repetitive peak current: 600 mA.
④ Max. permissible surge current: 0.78 A, duration max. 10 ms.

NEW

TALEXmodule LLE G1 24mm ADVANCED-SE

TALEXmodule LLE

Product description

- Ideal for linear and panel lights
- Optimal solution for linear and panel lights where cost is main priority, together with the new LCI TEC lp LED driver provides best system efficiency
- Ideal for T8 refurbishment 650 lm module can be driven to output 800 lm
- 4 pcs. MICROCON SMD connector (return string with connectors), connectors positioned to allow automatic robotor wiring
- Luminous flux range from 600 up to 3,080 lm
- Effciency of the module up to 142 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 3 ④
- Small luminous flux tolerances
- Colour temperatures 3,000, 4,000 and 6,500 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Perfect homogenous light with ACL linear diffuse cover
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. ACL push fix)
- Competitive lifetime: > 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

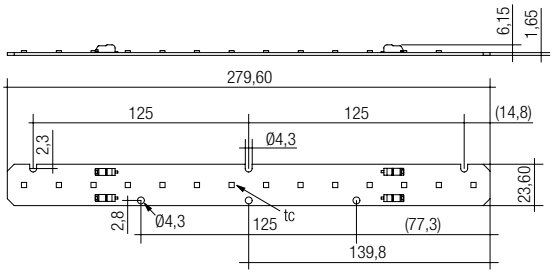
Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
tp rated	65 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

→

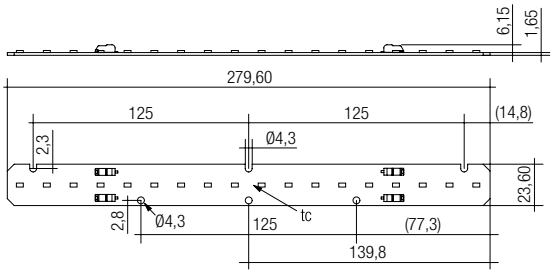
For standards see data sheet

For colour temperatures and tolerances see data sheet

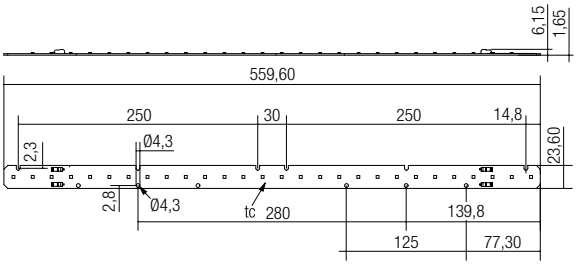




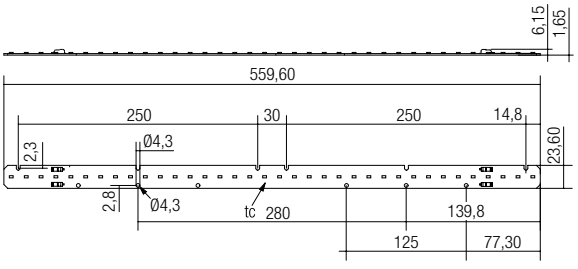
LLE G1 24x280mm 650lm ADV-SE



LLE G1 24x280mm 1250lm ADV-SE



LLE G1 24x560mm 1300lm ADV-SE



LLE G1 24x560mm 2400lm ADV-SE

Ordering data

Type	Article number	Colour temperature	Packaging tray	Weight per pc.
650 lm per 280 mm				
LLE G1 24x280mm 650lm 830 ADV-SE	**89602128**	3,000 K	30 pc(s).	0.021 kg
LLE G1 24x280mm 650lm 840 ADV-SE	**89602129**	4,000 K	30 pc(s).	0.021 kg
LLE G1 24x280mm 650lm 840 ADV-SE	**89602130**	6,500 K	30 pc(s).	0.021 kg
LLE G1 24x560mm 1300lm 830 ADV-SE	**89602134**	3,000 K	30 pc(s).	0.042 kg
LLE G1 24x560mm 1300lm 840 ADV-SE	**89602135**	4,000 K	30 pc(s).	0.042 kg
LLE G1 24x560mm 1300lm 865 ADV-SE	**89602136**	6,500 K	30 pc(s).	0.042 kg
650 lm per 280 mm				
LLE G1 24x280mm 1250lm 830 ADV-SE	**89602131**	3,000 K	30 pc(s).	0.022 kg
LLE G1 24x280mm 1250lm 840 ADV-SE	**89602132**	4,000 K	30 pc(s).	0.022 kg
LLE G1 24x280mm 1250lm 840 ADV-SE	**89602133**	6,500 K	30 pc(s).	0.022 kg
LLE G1 24x560mm 2400lm 830 ADV-SE	**89602137**	3,000 K	30 pc(s).	0.044 kg
LLE G1 24x560mm 2400lm 840 ADV-SE	**89602138**	4,000 K	30 pc(s).	0.044 kg
LLE G1 24x560mm 2400lm 865 ADV-SE	**89602139**	6,500 K	30 pc(s).	0.044 kg

Specific technical data

Type[5]	Photometric code	Typ. luminous flux at tp = 25 °C[1]	Typ. luminous flux at tp = 65 °C[1]	Typ. forward current[1][2][3]	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C[1]	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 65 °C	Efficacy of the system at tp = 65 °C	Colour rendering index CRI	Energy classification
650 lm per 280 mm – Operating mode BLO												
LLE G1 24x280mm 650lm 830 ADV-SE	830/349	640 lm	600 lm	250 mA	18.7 V	22.2 V	5.3 W	119 lm/W	113 lm/W	100 lm/W	> 80	A+
LLE G1 24x280mm 650lm 840 ADV-SE	840/349	700 lm	660 lm	250 mA	18.7 V	22.2 V	5.3 W	130 lm/W	125 lm/W	110 lm/W	> 80	A+
LLE G1 24x280mm 650lm 865 ADV-SE	865/349	700 lm	670 lm	250 mA	18.7 V	22.2 V	5.3 W	130 lm/W	126 lm/W	111 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 830 ADV-SE	830/349	1,280 lm	1,210 lm	250 mA	37.5 V	44.4 V	10.5 W	117 lm/W	115 lm/W	101 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 840 ADV-SE	840/349	1,390 lm	1,310 lm	250 mA	37.5 V	44.4 V	10.5 W	128 lm/W	125 lm/W	110 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 865 ADV-SE	865/349	1,400 lm	1,330 lm	250 mA	37.5 V	44.4 V	10.5 W	128 lm/W	127 lm/W	111 lm/W	> 80	A+
650 lm per 280 mm – Operating mode HO												
LLE G1 24x280mm 650lm 830 ADV-SE	830/349	750 lm	710 lm	300 mA	19.1 V	22.6 V	6.5 W	114 lm/W	109 lm/W	96 lm/W	> 80	A+
LLE G1 24x280mm 650lm 840 ADV-SE	840/349	820 lm	780 lm	300 mA	19.1 V	22.6 V	6.5 W	124 lm/W	120 lm/W	106 lm/W	> 80	A+
LLE G1 24x280mm 650lm 865 ADV-SE	865/349	840 lm	790 lm	300 mA	19.1 V	22.6 V	6.5 W	127 lm/W	122 lm/W	107 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 830 ADV-SE	830/349	1,500 lm	1,420 lm	300 mA	38.2 V	45.3 V	12.9 W	113 lm/W	110 lm/W	97 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 840 ADV-SE	840/349	1,640 lm	1,550 lm	300 mA	38.2 V	45.3 V	12.9 W	123 lm/W	120 lm/W	106 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 865 ADV-SE	865/349	1,650 lm	1,560 lm	300 mA	38.2 V	45.3 V	12.9 W	124 lm/W	121 lm/W	106 lm/W	> 80	A+
1250 lm per 280 mm – Operating mode BLO												
LLE G1 24x280mm 1250lm 830 ADV-SE	830/349	1,200 lm	1,130 lm	250 mA	34.3 V	38.3 V	8.9 W	130 lm/W	127 lm/W	112 lm/W	> 80	A+
LLE G1 24x280mm 1250lm 840 ADV-SE	840/349	1,300 lm	1,240 lm	250 mA	34.3 V	38.3 V	8.9 W	141 lm/W	138 lm/W	121 lm/W	> 80	A++
LLE G1 24x280mm 1250lm 865 ADV-SE	865/349	1,300 lm	1,240 lm	250 mA	34.3 V	38.3 V	8.9 W	141 lm/W	138 lm/W	121 lm/W	> 80	A++
LLE G1 24x560mm 2400lm 830 ADV-SE	830/349	2,390 lm	2,270 lm	250 mA	68.5 V	76.6 V	17.8 W	130 lm/W	127 lm/W	112 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 840 ADV-SE	840/349	2,610 lm	2,470 lm	250 mA	68.5 V	76.6 V	17.8 W	142 lm/W	139 lm/W	122 lm/W	> 80	A++
LLE G1 24x560mm 2400lm 865 ADV-SE	865/349	2,610 lm	2,470 lm	250 mA	68.5 V	76.6 V	17.8 W	142 lm/W	139 lm/W	122 lm/W	> 80	A++
1250 lm per 280 mm – Operating mode HO												
LLE G1 24x280mm 1250lm 830 ADV-SE	830/349	1,480 lm	1,340 lm	300 mA	35.1 V	39.7 V	10.9 W	125 lm/W	122 lm/W	107 lm/W	> 80	A+
LLE G1 24x280mm 1250lm 840 ADV-SE	840/349	1,540 lm	1,460 lm	300 mA	35.1 V	39.7 V	10.9 W	136 lm/W	134 lm/W	118 lm/W	> 80	A+
LLE G1 24x280mm 1250lm 865 ADV-SE	865/349	1,540 lm	1,460 lm	300 mA	35.1 V	39.7 V	10.9 W	136 lm/W	134 lm/W	118 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 830 ADV-SE	830/349	2,820 lm	2,680 lm	300 mA	70.2 V	98.5 V	22.0 W	125 lm/W	122 lm/W	107 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 840 ADV-SE	840/349	3,080 lm	2,920 lm	300 mA	70.2 V	98.5 V	22.0 W	136 lm/W	133 lm/W	117 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 865 ADV-SE	865/349	3,080 lm	2,920 lm	300 mA	70.2 V	98.5 V	22.0 W	136 lm/W	133 lm/W	117 lm/W	> 80	A+

[1] Tolerance range for optical and electrical data: ±10 %.

[2] Max. permissible repetitive peak current LLE G1 24x280mm 650lm and LLE G1 24x560mm 1300lm: 360 mA.
Max. permissible repetitive peak current LLE G1 24x280mm 1250lm and LLE G1 24x560mm 2400lm: 480 mA.

[3] Max. permissible surge current LLE G1 24x280mm 650lm and LLE G1 24x560mm 1300lm: 0.48 A, duration max. 10 ms.
Max. permissible surge current LLE G1 24x280mm 1250lm and LLE G1 24x560mm 2400lm: 0.9 A, duration max. 10 ms.

[4] Integral measurement over the complete module.

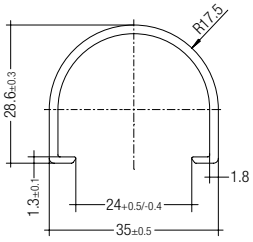
[5] HE ... high efficiency, BLO ... best LED operation, HO ... high output.

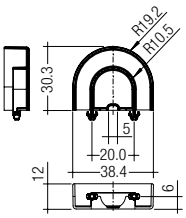
ACCES-SORIES

LINEAR COVER SY

Product description
- LINEAR COVER / ENDCAP for LLE 24
- Protection against direct touch for non-SELV applications
- Mounting COVER: Fast snap on mounting on to LLE 24 with clips or plastic washers
- Mounting ENDCAP: Fast snap on mounting sheet thickness 0.5 – 1.0 mm)
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Linear lense made of PMMA
- Endcap made of Lexan
- Tolerances LINEAR COVER:
  ± 1 mm for 597 mm length (ends finished),
  + 20 mm for 1,200 / 1,500 / 1,600 / 1,800 mm legth (ends raw)







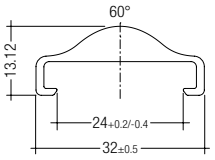
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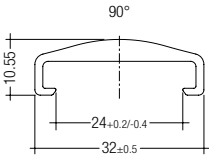
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	28000338	Transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1800mm	28000437	Semi-transparent	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Frosted 1600mm	28000339	Semi-transparent	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1500mm	28000435	Semi-transparent	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Frosted 1200mm	28000422	Semi-transparent	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Frosted 597mm	28000340	Semi-transparent	597 mm	12 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1800mm	28000438	Diffuse	1,800 mm	12 pc(s).	0.308 kg
LINEAR COVER SY Diffuse 1600mm	28000341	Diffuse	1,600 mm	12 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 1500mm	28000436	Diffuse	1,500 mm	12 pc(s).	0.257 kg
LINEAR COVER SY Diffuse 1200mm	28000434	Diffuse	1,200 mm	12 pc(s).	0.205 kg
LINEAR COVER SY Diffuse 597mm	28000342	Diffuse	597 mm	12 pc(s).	0.102 kg
ACL ENDCAP LLE24 PUSH-FIX	28001037	White	–	480 pc(s).	0.003 kg

ACCES-SORIES

LINEAR LENS

Product description
- Linear lens for LLE 24
- Available in 60° and 90° light distribution
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- Linear lense made of PMMA
- Tolerances: ± 20 mm for 1,600 mm legth (ends raw)





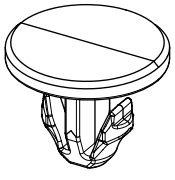
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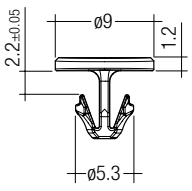
Type	Article number	Colour	Length	Packaging carton	Weight per pc.
ACL LINEAR LENS 24x1600mm 60°	28000953	Semi-transparent	1.600 mm	21 pc(s).	0.261 kg
ACL LINEAR LENS 24x1600mm 90°	28000955	Semi-transparent	1.600 mm	21 pc(s).	0.221 kg

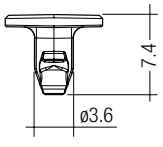
ACCES-SORIES

CLIP 4.3mm

Product description
- Clip for fixation of LED modules with 4.3 mm holes
- Fast snap on mounting (sheet thickness 0.5 – 1.0 mm)
- Clip made of Polycarbonat







Ordering data

Type	Article number	Colour	Packaging carton	Weight per pc.
ACU CLIP 4.3mm PUSH-FIX	28001036	White	500 pc(s).	0.001 kg

NEW

TALEXmodule LLE G1 24mm ESSENCE

TALEXmodule LLE ESSENCE

Product description

- Ideal for linear and panel lights
- Optimal solution for linear and panel lights where cost is main priority, together with the new LED Driver LCI TEC Ip provides best system efficiency
- Ideal for T8 refurbishment 650 lm module can be driven to output 800 lm
- Luminous flux range from 600 – 2,430 lm
- Efficacy of the module up to 135 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Perfect homogenous light with ACL linear diffuse cover
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. ACL push fix)
- Competitive lifetime: > 30,000 hours
- 3-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

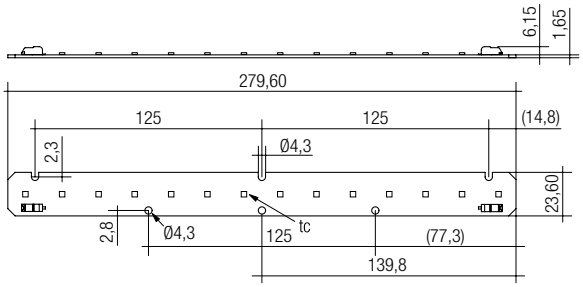
Beam characteristic	120°
Ambient temperature ta	-25 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
ESD classification	severity level 4
Type of protection	IP00

→

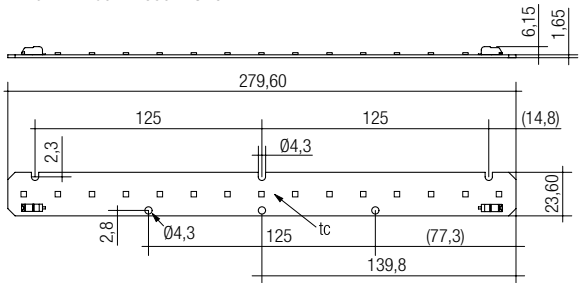
For standards see data sheet

For colour temperatures and tolerances see data sheet

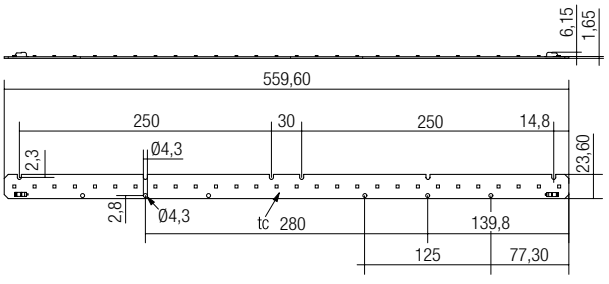




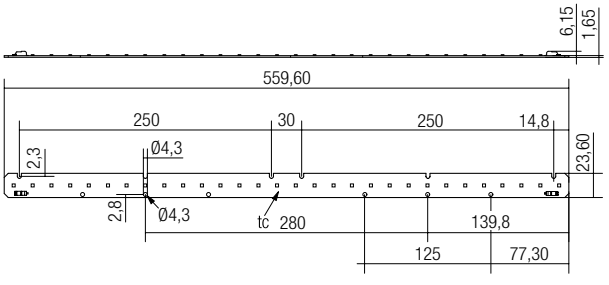
LLE G1 24x280mm 650lm SNC



LLE G1 24x280mm 1250lm SNC



LLE G1 24x560mm 1300lm SNC



LLE G1 24x560mm 2400lm SNC

Ordering data

Type	Article number	Colour temperature	Packaging tray	Weight per pc.
650 lm per 280 mm				
LLE G1 24x280mm 650lm 830 SNC	**89602089**	3,000 K	30 pc(s).	0.018 kg
LLE G1 24x280mm 650lm 840 SNC	**89602090**	4,000 K	30 pc(s).	0.021 kg
LLE G1 24x560mm 1300lm 830 SNC	**89602093**	3,000 K	30 pc(s).	0.042 kg
LLE G1 24x560mm 1300lm 840 SNC	**89602094**	4,000 K	30 pc(s).	0.042 kg
LLE G1 24x560mm 1300lm 865 SNC	**89602115**	6,500 K	30 pc(s).	0.042 kg
1.250 lm per 280 mm				
LLE G1 24x280mm 1250lm 830 SNC	**89602091**	3,000 K	30 pc(s).	0.018 kg
LLE G1 24x280mm 1250lm 840 SNC	**89602092**	4,000 K	30 pc(s).	0.017 kg
LLE G1 24x560mm 2400lm 830 SNC	**89602095**	3,000 K	30 pc(s).	0.035 kg
LLE G1 24x560mm 2400lm 840 SNC	**89602096**	4,000 K	30 pc(s).	0.042 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 65 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C ③	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classifi-cation
650 lm per 280 mm – Operating mode BLO												
LLE G1 24x280mm 650lm 830 SNC	830/449	640 lm	600 lm	250 mA	18.7 V	22.2 V	5.3 W	119 lm/W	113 lm/W	100 lm/W	> 80	A+
LLE G1 24x280mm 650lm 840 SNC	840/449	700 lm	660 lm	250 mA	18.7 V	22.2 V	5.3 W	130 lm/W	125 lm/W	110 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 830 SNC	830/449	1,280 lm	1,210 lm	250 mA	37.5 V	44.4 V	10.5 W	117 lm/W	115 lm/W	101 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 840 SNC	840/449	1,390 lm	1,310 lm	250 mA	37.5 V	44.4 V	10.5 W	128 lm/W	125 lm/W	110 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 865 SNC	865/449	1,400 lm	1,330 lm	250 mA	37.5 V	44.4 V	10.5 W	128 lm/W	127 lm/W	111 lm/W	> 80	A+
650 lm per 280 mm – Operating mode HO												
LLE G1 24x280mm 650lm 830 SNC	830/449	750 lm	710 lm	300 mA	19.1 V	22.6 V	6.5 W	114 lm/W	109 lm/W	96 lm/W	> 80	A+
LLE G1 24x280mm 650lm 840 SNC	840/449	820 lm	780 lm	300 mA	19.1 V	22.6 V	6.5 W	124 lm/W	120 lm/W	106 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 830 SNC	830/449	1,500 lm	1,420 lm	300 mA	38.2 V	45.3 V	12.9 W	113 lm/W	110 lm/W	97 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 840 SNC	840/449	1,640 lm	1,550 lm	300 mA	38.2 V	45.3 V	12.9 W	123 lm/W	120 lm/W	106 lm/W	> 80	A+
LLE G1 24x560mm 1300lm 865 SNC	865/449	1,650 lm	1,560 lm	300 mA	38.2 V	45.3 V	12.9 W	124 lm/W	121 lm/W	106 lm/W	> 80	A+
1,250 lm per 280 mm – Operating mode HE												
LLE G1 24x280mm 1250lm 830 SNC	830/449	1,000 lm	950 lm	250 mA	28.5 V	31.9 V	7.5 W	130 lm/W	127 lm/W	111 lm/W	> 80	A+
LLE G1 24x280mm 1250lm 840 SNC	840/449	1,090 lm	1,030 lm	250 mA	28.5 V	31.9 V	7.5 W	142 lm/W	137 lm/W	121 lm/W	> 80	A++
LLE G1 24x560mm 2400lm 830 SNC	830/449	1,990 lm	1,890 lm	250 mA	57.1 V	63.8 V	14.9 W	130 lm/W	127 lm/W	112 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 840 SNC	840/449	2,170 lm	2,060 lm	250 mA	57.1 V	63.8 V	14.9 W	142 lm/W	138 lm/W	122 lm/W	> 80	A++
1,250 lm per 280 mm – Operating mode BLO												
LLE G1 24x280mm 1250lm 830 SNC	830/449	1,180 lm	1,120 lm	300 mA	29.3 V	32.7 V	9.2 W	126 lm/W	122 lm/W	107 lm/W	> 80	A+
LLE G1 24x280mm 1250lm 840 SNC	840/449	1,280 lm	1,220 lm	300 mA	29.3 V	32.7 V	9.2 W	136 lm/W	133 lm/W	117 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 830 SNC	830/449	2,350 lm	2,230 lm	300 mA	58.5 V	65.4 V	18.3 W	125 lm/W	122 lm/W	110 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 840 SNC	840/449	2,560 lm	2,430 lm	300 mA	58.5 V	65.4 V	18.3 W	136 lm/W	133 lm/W	117 lm/W	> 80	A+
1,250 lm per 280 mm – Operating mode HO												
LLE G1 24x280mm 1250lm 830 SNC	830/449	1,350 lm	1,280 lm	350 mA	29.9 V	33.5 V	10.9 W	119 lm/W	117 lm/W	103 lm/W	> 80	A+
LLE G1 24x280mm 1250lm 840 SNC	840/449	1,470 lm	1,400 lm	350 mA	29.9 V	33.5 V	10.9 W	130 lm/W	128 lm/W	113 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 830 SNC	830/449	2,700 lm	2,560 lm	350 mA	59.9 V	66.9 V	21.8 W	120 lm/W	117 lm/W	103 lm/W	> 80	A+
LLE G1 24x560mm 2400lm 840 SNC	840/449	2,950 lm	2,790 lm	350 mA	59.9 V	66.9 V	21.8 W	131 lm/W	128 lm/W	113 lm/W	> 80	A+

① Integral measurement over the complete module.
② HE ... high efficiency, BLO ... best lamp operation, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current LLE G1 24x280mm 650lm and LLE G1 24x560mm 1300lm: 360 mA.
Max. permissible repetitive peak current LLE G1 24x280mm 1250lm and LLE G1 24x560mm 2400lm: 480 mA.
⑤ Max. permissible surge current LLE G1 24x280mm 650lm and LLE G1 24x560mm 1300lm: 0.48 A, duration max. 10 ms.
Max. permissible surge current LLE G1 24x280mm 1250lm and LLE G1 24x560mm 2400lm: 0.9 A, duration max. 10 ms.

RoHS

TALEXmodule STARK QLE G3 CLASSIC

TALEXmodule QLE

Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,210 – 1,840 lm
- LED system solution with outstanding system efficiency up to 147 lm/W, consisting of squared LED module and dimmable LED Driver 65W 150mA–400mA ECO lp
- Efficiency of the module up to 168 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000, 4,000 and 5,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

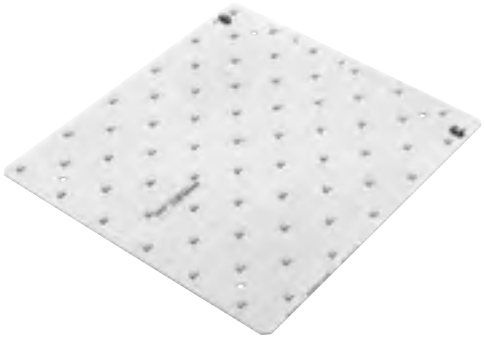
Technical data

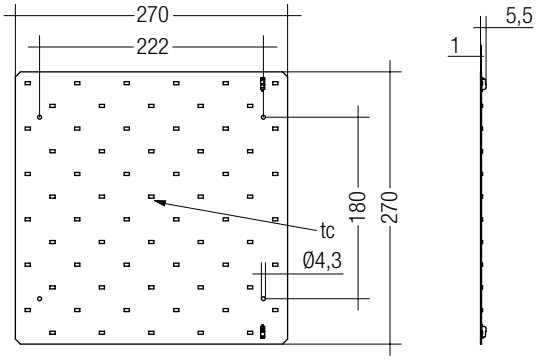
Beam characteristic	120°
Ambient temperature ta	-30 ... +65 °C
Typ. tp point	45 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

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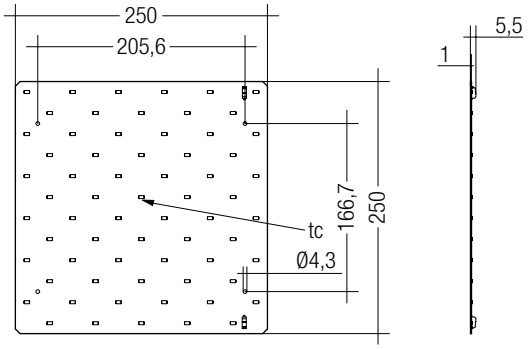
For standards see data sheet

For colour temperatures and tolerances see data sheet





QLE-G3-270



QLE-G3-250

Draft design – dimensions and layout could divagate

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G3-270-1250-830-CLA	**28000384**	3,000 K	40 pc(s).	0.14 kg
STARK-QLE-G3-270-1250-840-CLA	**28000385**	4,000 K	40 pc(s).	0.14 kg
STARK-QLE-G3-270-1250-850-CLA	**28000386**	5,000 K	40 pc(s).	0.14 kg
STARK-QLE-G3-250-1250-830-CLA	**28000387**	3,000 K	40 pc(s).	0.12 kg
STARK-QLE-G3-250-1250-840-CLA	**28000388**	4,000 K	40 pc(s).	0.12 kg

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 45 °C ②	Typ. forward current ③ ④	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
STARK-QLE-G3-270-1250-830-CLA	830/359	1,240 lm	1,210 lm	250 mA	28.0 V	34.5 V	7.8 W	157 lm/W	155 lm/W	136 lm/W	> 80	A++
STARK-QLE-G3-270-1250-840-CLA	840/359	1,280 lm	1,250 lm	250 mA	28.0 V	34.5 V	7.8 W	162 lm/W	160 lm/W	141 lm/W	> 80	A++
STARK-QLE-G3-270-1250-850-CLA	850/359	1,330 lm	1,300 lm	250 mA	28.0 V	34.5 V	7.8 W	168 lm/W	167 lm/W	147 lm/W	> 80	A++
STARK-QLE-G3-250-1250-830-CLA	830/359	1,240 lm	1,210 lm	250 mA	28.0 V	34.5 V	7.8 W	157 lm/W	155 lm/W	136 lm/W	> 80	A++
STARK-QLE-G3-250-1250-840-CLA	840/359	1,280 lm	1,250 lm	250 mA	28.0 V	34.5 V	7.8 W	162 lm/W	160 lm/W	141 lm/W	> 80	A++
Operating mode HO at 300 mA												
STARK-QLE-G3-270-1250-830-CLA	830/359	1,470 lm	1,430 lm	300 mA	28.5 V	35.0 V	9.5 W	153 lm/W	151 lm/W	133 lm/W	> 80	A++
STARK-QLE-G3-270-1250-840-CLA	840/359	1,520 lm	1,480 lm	300 mA	28.5 V	35.0 V	9.5 W	158 lm/W	156 lm/W	137 lm/W	> 80	A++
STARK-QLE-G3-270-1250-850-CLA	850/359	1,580 lm	1,540 lm	300 mA	28.5 V	35.0 V	9.5 W	165 lm/W	162 lm/W	143 lm/W	> 80	A++
STARK-QLE-G3-250-1250-830-CLA	830/359	1,470 lm	1,430 lm	300 mA	28.5 V	35.0 V	9.5 W	153 lm/W	151 lm/W	133 lm/W	> 80	A++
STARK-QLE-G3-250-1250-840-CLA	840/359	1,520 lm	1,480 lm	300 mA	28.5 V	35.0 V	9.5 W	158 lm/W	156 lm/W	137 lm/W	> 80	A++
Operating mode HO at 350 mA												
STARK-QLE-G3-270-1250-830-CLA	830/359	1,710 lm	1,670 lm	350 mA	28.9 V	35.6 V	11.3 W	151 lm/W	148 lm/W	130 lm/W	> 80	A++
STARK-QLE-G3-270-1250-840-CLA	840/359	1,770 lm	1,730 lm	350 mA	28.9 V	35.6 V	11.3 W	156 lm/W	153 lm/W	135 lm/W	> 80	A++
STARK-QLE-G3-270-1250-850-CLA	850/359	1,840 lm	1,790 lm	350 mA	28.9 V	35.6 V	11.3 W	163 lm/W	158 lm/W	139 lm/W	> 80	A++
STARK-QLE-G3-250-1250-830-CLA	830/359	1,710 lm	1,670 lm	350 mA	28.9 V	35.6 V	11.3 W	151 lm/W	148 lm/W	130 lm/W	> 80	A++
STARK-QLE-G3-250-1250-840-CLA	840/359	1,770 lm	1,730 lm	350 mA	28.9 V	35.6 V	11.3 W	156 lm/W	153 lm/W	135 lm/W	> 80	A++

① Central measurement over the whole module.
② Tolerance range for optical data: ±7.5 %.
③ Max. permissible repetitive peak current: 900 mA.
④ Max. permissible surge current: 1.5 A, duration max. 10 µs.

RoHS

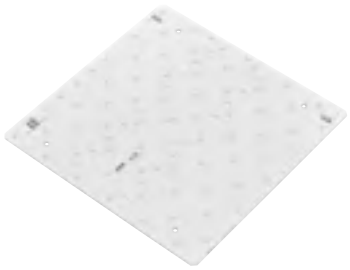
TALEXmodule STARK QLE G3 CLASSIC EM

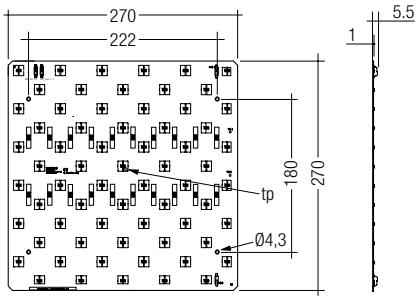
TALEXmodule QLE

Product description

- Ideal for linear and panel lights
- Integrated separate emergency LEDs controlled by EM powerLED (2 or 4 W version)
- Luminous flux range from 1,210 – 1,770 lm
- LED system solution with outstanding system efficacy up to 141 lm/W, consisting of linear LED module and dimmable LED Driver LCAI 35 W 150 – 400 mA ECO lp
- Efficacy of the module up to 162 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





QLE-G3-270

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +65 °C
Typ. tp point	45 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G3-270-1250-830-CLA-EM	**28000389**	3,000 K	40 pc(s).	0.14 kg
STARK-QLE-G3-270-1250-840-CLA-EM	**28000390**	4,000 K	40 pc(s).	0.14 kg

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For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 45 °C ②	Typ. forward current ③ ④	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
STARK-QLE-G3-270-1250-830-CLA-EM	830/359	1,240 lm	1,210 lm	250 mA	28.0 V	34.5 V	7.8 W	157 lm/W	155 lm/W	136 lm/W	> 80	A++
STARK-QLE-G3-270-1250-840-CLA-EM	840/359	1,280 lm	1,250 lm	250 mA	28.0 V	34.5 V	7.8 W	162 lm/W	160 lm/W	141 lm/W	> 80	A++
Operating mode HO at 300 mA												
STARK-QLE-G3-270-1250-830-CLA-EM	830/359	1,470 lm	1,430 lm	300 mA	28.5 V	35.0 V	9.5 W	153 lm/W	151 lm/W	133 lm/W	> 80	A++
STARK-QLE-G3-270-1250-840-CLA-EM	840/359	1,520 lm	1,480 lm	300 mA	28.5 V	35.0 V	9.5 W	158 lm/W	156 lm/W	137 lm/W	> 80	A++
Operating mode HO at 350 mA												
STARK-QLE-G3-270-1250-830-CLA-EM	830/359	1,710 lm	1,670 lm	350 mA	28.9 V	35.6 V	11.3 W	151 lm/W	148 lm/W	130 lm/W	> 80	A++
STARK-QLE-G3-270-1250-840-CLA-EM	840/359	1,770 lm	1,730 lm	350 mA	28.9 V	35.6 V	11.3 W	156 lm/W	153 lm/W	135 lm/W	> 80	A++
Emergency operation at 350 mA (EM powerLED 2 W)												
STARK-QLE-G3-270-1250-830-CLA-EM	830/359	320 lm	310 lm	350 mA	4.9 V	6.3 V	–	–	–	–	–	–
STARK-QLE-G3-270-1250-840-CLA-EM	840/359	330 lm	320 lm	350 mA	4.9 V	6.3 V	–	–	–	–	–	–
Emergency operation at 700 mA (EM powerLED 4 W)												
STARK-QLE-G3-270-1250-830-CLA-EM	830/359	600 lm	590 lm	700 mA	5.6 V	7.1 V	–	–	–	–	–	–
STARK-QLE-G3-270-1250-840-CLA-EM	840/359	620 lm	600 lm	700 mA	5.6 V	7.1 V	–	–	–	–	–	–

① Central measurement over the whole module.
② Tolerance range for optical data: ±7.5 %.
③ Max. permissible repetitive peak current: 900 mA.
④ Max. permissible surge current: 1.5 A, duration max. 10 µs.

RoHS

TALEXmodule STARK QLE 380 CLASSIC

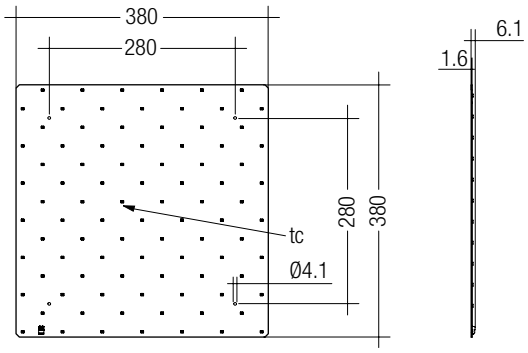
TALEXmodule QLE

Product description

- Ideal for linear and panel lights
- Luminous flux range from 4,800 – 5,760 lm
- LED system solution with outstanding system efficiency up to 116 lm/W, consisting of squared LED module and dimmable LED Driver LCAI 65W 900mA–1750mA ECO lp
- Efficiency of the module up to 132 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +45 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-380-5000-830-CLA	**89601866**	3,000 K	7 pc(s).	0.4 kg
STARK-QLE-380-5000-840-CLA	**89601867**	4,000 K	7 pc(s).	0.4 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 65 °C ②	Typ. forward current ② ③ ④	Min. forward voltage at tp = 65 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 65 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 65 °C	Luminous efficacy system at tp = 65 °C	Colour rendering index CRI	Energy classification
Normal operation												
STARK-QLE-380-5000-830-CLA	830/3xx	5,060 lm	4,800 lm	1,050 mA	32.7 V	46.4 V	39.5 W	118 lm/W	116 lm/W	102 lm/W	> 80	A+
STARK-QLE-380-5000-840-CLA	840/3xx	5,760 lm	5,470 lm	1,050 mA	32.7 V	46.4 V	39.5 W	134 lm/W	132 lm/W	116 lm/W	> 80	A++

① Integrated measurement over the whole module.
② Tolerance range for optical and electrical data: ±10 %.
③ Max. permissible repetitive peak current: 1,260 mA.
④ Max. permissible surge current: 1.68 A, duration max. 10 ms.

RoHS

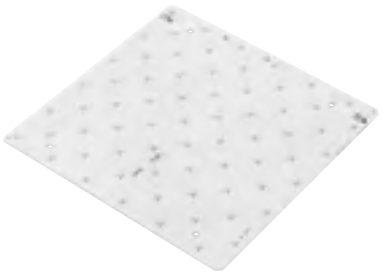
TALEXmodule STARK QLE G3 SELECT

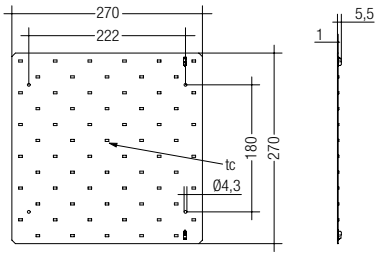
TALEXmodule QLE

Product description

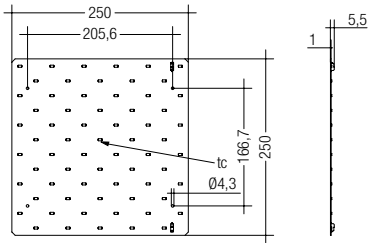
- Ideal for linear and panel lights
- Luminous flux range from 1,040 – 1,530 lm
- LED system solution with outstanding system efficiency up to 125 lm/W, consisting of squared LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficiency of the module up to 146 lm/W
- High colour rendering index CRI > 90
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Draft design – dimensions and layout could divagate



QLE-G3-250

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +55 °C
Typ. tp point	45 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G3-270-1250-930-SEL	**28000356**	3,000 K	40 pc(s).	0.14 kg
STARK-QLE-G3-270-1250-940-SEL	**28000357**	4,000 K	40 pc(s).	0.14 kg
STARK-QLE-G3-250-1250-930-SEL	**28000354**	3,000 K	40 pc(s).	0.12 kg
STARK-QLE-G3-250-1250-940-SEL	**28000355**	4,000 K	40 pc(s).	0.12 kg

Specific technical data

Type ②	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 45 °C ③	Typ. forward current ③ ④ ⑤	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HE at 250 mA												
STARK-QLE-G3-xxx-1250-930-SEL	930/359	1,070 lm	1,040 lm	250 mA	28.3 V	33.0 V	7.6 W	141 lm/W	137 lm/W	121 lm/W	> 90	A++
STARK-QLE-G3-xxx-1250-940-SEL	940/359	1,110 lm	1,080 lm	250 mA	28.3 V	33.0 V	7.6 W	146 lm/W	142 lm/W	125 lm/W	> 90	A++
Operating mode HO at 300 mA												
STARK-QLE-G3-xxx-1250-930-SEL	930/359	1,270 lm	1,230 lm	300 mA	28.7 V	33.4 V	9.2 W	137 lm/W	134 lm/W	118 lm/W	> 90	A+
STARK-QLE-G3-xxx-1250-940-SEL	940/359	1,320 lm	1,280 lm	300 mA	28.7 V	33.4 V	9.2 W	142 lm/W	139 lm/W	122 lm/W	> 90	A++
Operating mode HO at 350 mA												
STARK-QLE-G3-xxx-1250-930-SEL	930/359	1,470 lm	1,420 lm	350 mA	29.0 V	33.7 V	10.8 W	135 lm/W	131 lm/W	115 lm/W	> 90	A+
STARK-QLE-G3-xxx-1250-940-SEL	940/359	1,530 lm	1,480 lm	350 mA	29.0 V	33.7 V	10.8 W	140 lm/W	137 lm/W	121 lm/W	> 90	A++

① Central measurement over the whole module.
② HE ... high efficiency, HO ... high output.
③ Tolerance range for optical and electrical data: ±10 %.
④ Max. permissible repetitive peak current: 900 mA.
⑤ Max. permissible surge current: 1.5 A, duration max. 10 µs.

RoHS

TALEXmodule STARK QLE G3 lens 270-1250 CLASSIC

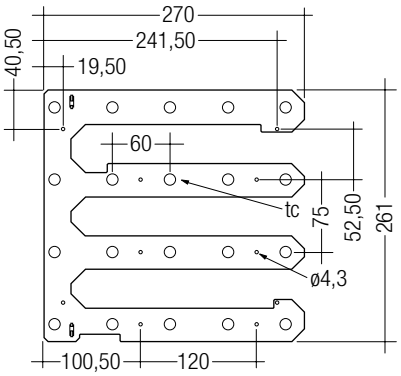
TALEXmodule QLE

Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,080 – 1,210 lm
- LED system solution with outstanding system efficacy up to 101 lm/W, consisting of squared LED module and dimmable LED Driver LCAI 65W 150mA–400mA ECO lp
- Efficacy of the module up to 118 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3) ①
- Small luminous flux tolerances
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Self-cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Beam characteristic	Butterfly
Ambient temperature ta	-25 ... +55 °C
Typ. tp point	45 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G3-LENS-270-1250-830-CLA	28000416	3,000 K	60 pc(s).	0.142 kg
STARK-QLE-G3-LENS-270-1250-840-CLA	28000417	4,000 K	60 pc(s).	0.142 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photo-metric code	Typ. luminous flux at tp = 25 °C ②	Typ. luminous flux at tp = 45 °C ②	Typ. forward current ③ ④	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C	Luminous efficacy module at tp = 25 °C	Luminous efficacy module at tp = 45 °C	Luminous efficacy system at tp = 45 °C	Colour rendering index CRI	Energy classifi-cation
Operating mode HO at 325 mA												
STARK-QLE-G3-LENS-270-1250-830-CLA	830/359	1,150 lm	1,080 lm	325 mA	27 V	35 V	9.9 W	112 lm/W	109 lm/W	96 lm/W	> 80	A+
STARK-QLE-G3-LENS-270-1250-840-CLA	840/359	1,210 lm	1,140 lm	325 mA	27 V	35 V	9.9 W	118 lm/W	115 lm/W	101 lm/W	> 80	A+

① Integrated measurement over the whole module.
② Tolerance range for optical data: ±15 %.
③ Max. permissible repetitive peak current: 360 mA.
④ Max. permissible surge current: 0.48 A, duration max. 10 µs.

NEW

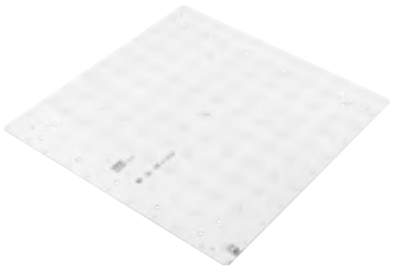
TALEXmodule QLE G2 380x380mm 5000lm ADV-SE

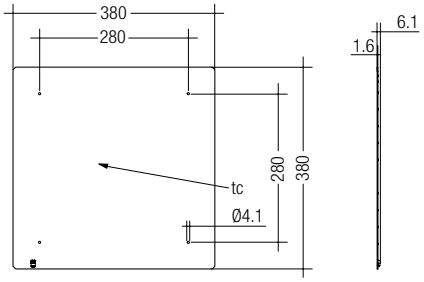
TALEXmodule QLE

Product description

- Ideal for panel and louvre luminaires, cost-effective replacement for 4 x 14 W (18 W) T5 / T8 lamps
- Luminous flux range from 3,520 up to 8,260 lm
- 121 LED packages for excellent homogeneity and illuminiation
- LED system solution with outstanding system efficacy up to 136 lm/W, consisting of squared LED modules and dimmable LED driver LCAI 65W 900–1750mA ECO lp
- Efficacy of the module up to 159 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance MacAdam 3 ①
- Small luminous flux tolerances
- Colour temperatures 3,000 K and 4,000 K
- Self cooling (no additional heat sink required)
- Push terminals for quick and simple wiring of LED module to LED module
- Simple installation (e.g. screws)
- Long life-time: 50,000 hours
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





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For standards see data sheet

For colour temperatures and tolerances see data sheet

Technische Daten

Beam characteristic	120°
Ambient temperature range	-30 ... +45 °C
tp rated	65 °C
tc	85 °C
Max. DC forward current	1,980 mA
Max. permissible LF current ripple	2,178 mA
Max. permissible peak current	2,460 mA / max. 10 ms
Max. permissible output voltage of LED Driver②	420 V
Insulation test voltage	1.84 kV
Risk group (EN 62471:2008)	1
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging carton	Weight per pc.
QLE G2 380x380mm 5000lm 840 ADV-SE	**89602156**	3,000 K	14 pc(s).	0.283 kg
QLE G2 380x380mm 5000lm 840 ADV-SE	**89602157**	4,000 K	14 pc(s).	0.283 kg

Specific technical data

Type ④	Photo-metric code	Typ. luminous flux at tp = 25 °C ③	Typ. luminous flux at tp = 45 °C ③	Typ. forward current	Min. forward voltage at tp = 45 °C	Max. forward voltage at tp = 25 °C	Typ. power consumption at tp = 45 °C ③	Efficacy of the module at tp = 25 °C	Efficacy of the module at tp = 45 °C	Efficacy of the system at tp = 45 °C	Colour rendering index CRI
Operating mode HE at 825 mA											
QLE G2 380x380mm 5000lm 830 ADV-SE	830/349	3,920 lm	3,720 lm	825 mA	30.5 V	34.7 V	26.0 W	146 lm/W	143 lm/W	126 lm/W	> 80
QLE G2 380x380mm 5000lm 840 ADV-SE	840/349	4,270 lm	4,050 lm	825 mA	30.5 V	34.7 V	26.0 W	159 lm/W	155 lm/W	136 lm/W	> 80
Operating mode BLO at 1,050 mA											
QLE G2 380x380mm 5000lm 830 ADV-SE	830/349	4,850 lm	4,600 lm	1,050 mA	31.8 V	36.2 V	34.1 W	138 lm/W	135 lm/W	119 lm/W	> 80
QLE G2 380x380mm 5000lm 840 ADV-SE	840/349	5,290 lm	5,020 lm	1,050 mA	31.8 V	36.2 V	34.1 W	151 lm/W	147 lm/W	130 lm/W	> 80
Operating mode HO at 1,700 mA											
QLE G2 380x380mm 5000lm 830 ADV-SE	830/349	7,580 lm	7,190 lm	1,700 mA	34.0 V	38.8 V	59.1 W	125 lm/W	121 lm/W	106 lm/W	> 80
QLE G2 380x380mm 5000lm 840 ADV-SE	840/349	8,260 lm	7,840 lm	1,700 mA	34.0 V	38.8 V	59.1 W	136 lm/W	132 lm/W	116 lm/W	> 80

① Integral measurement over the complete module.
② If mounted with M4 screws and tbd.
③ Tolerance range for optical and electrical data: ±10 %.
④ HE ... high efficiency, BLO ... best lamp operation, HO ... high output.

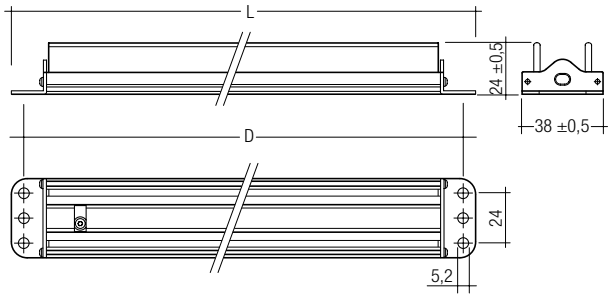
IP20 RoHS
Not applicable for article 89601369 and 89601370:

TALEXengine IMAGE SELECT
TALEXengine IMAGE 700 mA

Product description
- Complete solution with standard cable
- High efficiency thanks to directional lighting and integrated heat removal
- High quality of light thanks to a combination of COB LEDs and optics
- Safety extra low voltage (SELV)
- Simple installation thanks to pre-fitted adhesive tape
- Connecting cable: H03WH, white, length: 1.5 m
- Cross-section of connecting cable: 2 x 0.75 mm²
- Cooling section made of anodised, extruded aluminium
- End caps made of CrNi
- Linear lense made of PMMA
- Safety extra low voltage (SELV), protection class III

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply current DC	700 mA
Ambient temperature ta	-30 ... +45 °C
Max. surface temperature on profile tc	75 °C
Storage temperature ts	-30 ... +80 °C
Type of protection	IP20
Protection class	III
Risk group (EN 62471:2008)	1

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Length L	Colour	Colour temperature ①	Packaging, carton	Packaging, pallet
LED IMA -SEL DL 700mA 300 3 20 1000	**89601366**	300 mm	Daylight white	6,500 K	100 pc(s).	200 pc(s).
LED IMA -SEL DL 700mA 500 5 20 1000	**89601409**	500 mm	Daylight white	6,500 K	48 pc(s).	192 pc(s).
LED IMA -SEL DL 700mA 600 6 20 1000	**89601367**	600 mm	Daylight white	6,500 K	48 pc(s).	192 pc(s).
LED IMA -SEL DL 700mA 900 9 20 1000	**89601368**	900 mm	Daylight white	6,500 K	15 pc(s).	240 pc(s).
LED IMA -SEL DL 700mA 1200 12 20 1000	**89601369**	1,200 mm	Daylight white	6,500 K	15 pc(s).	240 pc(s).
LED IMA -SEL DL 700mA 1500 12 20 1000	**89601370**	1,500 mm	Daylight white	6,500 K	15 pc(s).	240 pc(s).

Specific technical data

Type	Photometric code	Hole spacing D	Number of LED	Lens	Colour rendering index CRI	Typ. luminous flux ② ③	Typ. forward voltage ④	Power consumption, typ. ④	Luminous efficacy
LED IMA -SEL DL 700mA 300 3 20 1000	765 / 569	288 mm	3	30°	75	435 lm	10.5 V	7.3 W	59 lm/W
LED IMA -SEL DL 700mA 500 5 20 1000	765 / 569	488 mm	5	30°	75	725 lm	17.5 V	12.3 W	59 lm/W
LED IMA -SEL DL 700mA 600 6 20 1000	765 / 569	588 mm	6	30°	75	870 lm	21.0 V	14.7 W	59 lm/W
LED IMA -SEL DL 700mA 900 9 20 1000	765 / 569	888 mm	9	30°	75	1,305 lm	31.5 V	22.0 W	59 lm/W
LED IMA -SEL DL 700mA 1200 12 20 1000	765 / 569	1,188 mm	12	30°	75	1,740 lm	42.0 V	29.4 W	59 lm/W
LED IMA -SEL DL 700mA 1500 12 20 1000	765 / 569	1,488 mm	12	30°	75	1,740 lm	42.0 V	29.4 W	59 lm/W

① Value refers to LED (central measurement).
② Tolerance range for optical data: +0 % / -30 %.
③ At tc = 45 °C.
④ Tolerance range for electrical data: ±15 %.

IP68 RoHS

NEW

TALEXchain P551 G1 EXCITE CPD

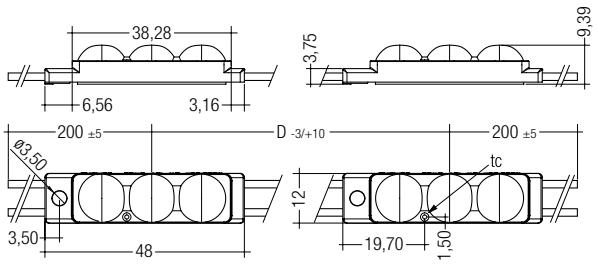
TALEXchain

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape
- Nominal life-time up to 50,000 h (at ta 60 °C with a failure rate ≤ 0.2 % per 1,000 h)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

Ordering data

Type	Article number	Colour	Colour temperature ③	Packaging, roll	Packaging, carton	Packaging, pallet
3 light points per module						
LED P551E-S CW 12 100 100 68 B G1	**28001047**	Crystal white	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code ④ ⑤	Wavelength range	Colour temperature ③	Typ. luminous flux per module ④	Colour rendering index CRI ④	Supply voltage DC ⑥	Typ. current per module ④	Typ. power per module	Luminous efficacy	Energy classification per module
3 light points per module										
LED P551E-S CW	775/5xx	–	7,500 K	60 lm	> 63	12 V	58 mA	0.7 W	86 lm/W	A++

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Colour temperature for information only. Valid colour see data sheet.
④ Tolerance range for optical and electrical data: ±15 %.
⑤ Photometric code in evaluation.
⑥ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 CE RoHS

TALEXchain P561 G1 EXCITE

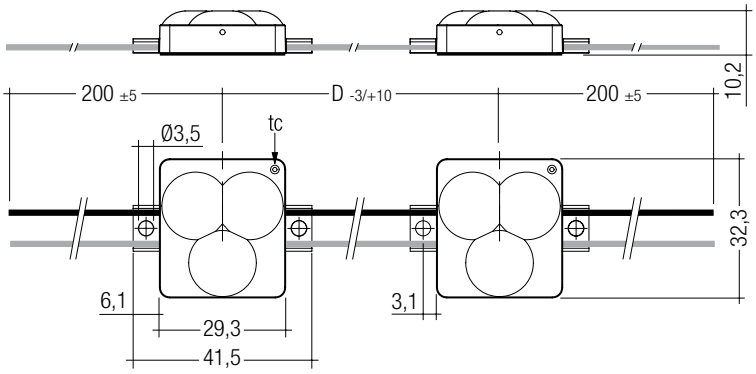
TALEXchain

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in light boxes and sail installation backlighting
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- High luminous efficacy
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with M3 screw or premounted double-sided adhesive tape
- Nominal life-time up to 50,000 h (at ta 60 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Connection: cable 200 mm, both sides

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Colour temperature	Packaging, carton	Packaging, pallet
3 light points per module					
P561 G1 DL 154lm 250mm 50 68 EXC	**28000958**	Daylight white	6,500 K	10 pc(s).	180 pc(s).
P561 G1 DL 154lm 300mm 50 68 EXC	**28000959**	Daylight white	6,500 K	10 pc(s).	180 pc(s).
P561 G1 NW 142lm 300mm 50 68 EXC	**28000960**	Daylight white	6,500 K	10 pc(s).	180 pc(s).
P561 G1 WW 130lm 300mm 50 68 EXC	**28000957**	Daylight white	6,500 K	10 pc(s).	180 pc(s).

Specific technical data

Type	Photometric code ③	Colour temperature	Typ. luminous flux per module ③	Colour rendering index CRI	Supply voltage DC ④	Typ. current per module	Typ. power per module ③	Luminous efficacy
3 light points per module								
P561 G1 DL	765/5xx	6,500 K	154 lm	> 70	12 V	123 mA	1.48 W	104 lm/W
P561 G1 NW	840/5xx	4,000 K	142 lm	> 70	12 V	123 mA	1.48 W	96 lm/W
P561 G1 WW	830/5xx	4,000 K	130 lm	> 80	12 V	123 mA	1.48 W	88 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m.
③ Tolerance range for optical and electrical data: ±15 %.
④ Exceeding the max. operating voltage leads to an overload on the uchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 CE RoHS

NEW

TALEXchain P531 G1 ESSENCE

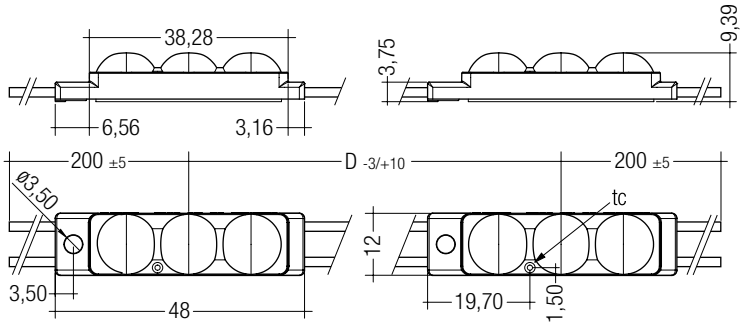
TALEXchain

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape possible
- Nominal life-time up to 30,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-25 ... +50 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ④	IP68
Risk group (EN 62471:2008)	1

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ⑤
3 light points per module				
P531 G1 DL 31lm 150mm 100 68 SNC	**87500374**	Daylight white	–	6,500 K
P531 G1 DL 60lm 200mm 100 68 SNC	**87500375**	Daylight white	–	6,500 K

Packaging: 1 piece/roll, 10 pieces/carton, 120 pieces/pallet

Specific technical data

Type	Photometric code ② ⑥	Wavelength range	Colour temperature ⑤	Typ. luminous flux per module ②	Colour rendering index CRI ②	Supply voltage DC ③	Typ. current per module ②	Typ. power per module	Luminous efficacy
3 light points per module									
P531 G1 DL 31lm	765/5xx	–	6,500 K	31 lm	> 80	12 V	28 mA	0.34 W	92 lm/W
P531 G1 DL 60lm	765/5xx	–	6,500 K	60 lm	> 80	12 V	58 mA	0.70 W	86 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Tolerance range for optical and electrical data: -15/+20 %.
③ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.
④ Maximum submerge depth 1 m / 60 min.
⑤ Colour temperature for information only. Valid colour see ‚Coordinates and tolerances according to CIE 1931.
⑥ Photometric code in evaluation.

All values at ta = 25 °C.

IP68

TALEXchain CRYSTAL PREMIUM

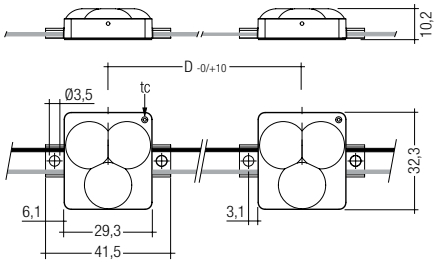
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters, symbols and light boxes in signage applications
- Optimised for use in light boxes and sail installation backlighting
- High luminous efficacy
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- High-power LED in chip-on-board technology (COB)
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with M3 screw or premounted double-sided adhesive tape
- Nominal life-time up to 80,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Connection: cable 180 mm, both sides

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-30 ... +55 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-30 ... +80 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Colour temperature	Packaging, roll	Packaging, carton	Packaging, pallet
3 light points per module						
LEDV P560-PRE CW 12 200 48 68 B	**22176630**	Crystal white	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P560-PRE CW 12 150 48 68 B	**22176629**	Crystal white	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P560-PRE CW 12 300 50 68 B X	**28000335**	Crystal white	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P560-PRE DL 12 200 48 68 B	**22176657**	Daylight white	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P560-PRE DL 12 150 48 68 B	**22176631**	Daylight white	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P560-PRE DL 12 300 50 68 B X	**28000302**	Daylight white	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P560-PRE NW 12 200 48 68 B	**22176722**	Neutral white	4,200 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P560-PRE NW 12 150 48 68 B	**22176723**	Neutral white	4,200 K	1 pc(s).	30 pc(s).	180 pc(s).

Specific technical data

Type	Photometric code	Colour temperature	Typ. luminous flux per module ③	Colour rendering index CRI	Supply voltage DC ④	Typ. current per module	Typ. power per module	Luminous efficacy
3 light points per module								
LEDV P560-PRE CW	775/349	7,500 K	100 lm	72	12 V	75 mA	0.90 W	111 lm/W
LED P560-PRE CW ... X	775/349	7,500 K	145 lm	72	12 V	115 mA	1.38 W	105 lm/W
LEDV P560-PRE DL	765/349	6,500 K	103 lm	72	12 V	75 mA	0.90 W	114 lm/W
LED P560-PRE DL ... X	765/349	6,500 K	150 lm	72	12 V	115 mA	1.38 W	108 lm/W
LEDV P560-PRE NW	842/349	4,200 K	84 lm	85	12 V	75 mA	0.90 W	93 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m.
③ Tolerance range for optical and electrical data: ±15 %.
④ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 RoHS

TALEXchain CRYSTAL SELECT

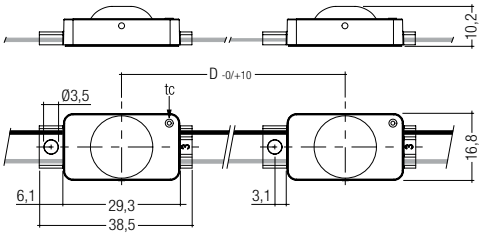
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High efficiency up to 118 lm/W for the LED module
- High colour consistency (MacAdam 3)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- High-power LED in chip-on-board technology (COB)
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with M3 screw or premounted double-sided adhesive tape
- Nominal life-time up to 80,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Connection: cable 180 mm, both sides

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-30 ... +55 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-30 ... +80 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature	Packaging, roll	Packaging, carton	Packaging, pallet
1 light point per module							
LEDV P550-SEL CW 12 200 100 68 B	**22176600**	Crystal white	–	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL CW 12 150 100 68 B	**22176611**	Crystal white	–	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL DL 12 200 100 68 B	**22176673**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL DL 12 150 100 68 B	**22176612**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL NW 12V 200 100 68 B	**22176537**	Neutral white	–	4,200 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL NW 12 150 100 68 B	**22176622**	Neutral white	–	4,200 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL WW 12 200 100 68 B	**22176676**	Warm white	–	3,000 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL WW 12 150 100 68 B	**22176626**	Warm white	–	3,000 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL GW 12V 200 100 68 B	**22176542**	Gold white	–	2,700 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL GW 12V 150 100 68 B	**22176543**	Gold white	–	2,700 K	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL YW 12 200 100 68 B	**22176632**	Yellow white	570 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL YW 12 150 100 68 B	**22176624**	Yellow white	570 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL R 12 200 100 68 B	**22176682**	Red	626 – 636 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL R 12 150 100 68 B	**22176613**	Red	626 – 636 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL G 12 200 100 68 B	**22176683**	Green	525 – 540 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL G 12 150 100 68 B	**22176619**	Green	525 – 540 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL B 12 200 100 68 B	**22176684**	Blue	455 – 460 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LEDV P550-SEL B 12 150 100 68 B	**22176621**	Blue	455 – 460 nm	–	1 pc(s).	30 pc(s).	180 pc(s).

Specific technical data

Type	Photometric code ③	Wavelength range	Colour temperature	Typ. luminous flux per module ③	Colour rendering index CRI ③	Supply voltage DC ④	Typ. current per module ③	Typ. power per module	Luminous efficacy
1 light point per module									
LEDV P550-SEL CW	775/349	–	7,500 K	45 lm	73	12 V	32 mA	0.38 W	118 lm/W
LEDV P550-SEL DL	765/349	–	6,500 K	45 lm	73	12 V	32 mA	0.38 W	118 lm/W
LEDV P550-SEL NW	842/349	–	4,200 K	38 lm	80	12 V	32 mA	0.38 W	100 lm/W
LEDV P550-SEL WW	830/349	–	3,000 K	34 lm	80	12 V	32 mA	0.38 W	89 lm/W
LEDV P550-SEL GW	927/349	–	2,700 K	26 lm	> 90	12 V	29 mA	0.35 W	76 lm/W
LEDV P550-SEL YW	–	570 nm	–	52 lm	65	12 V	32 mA	0.38 W	135 lm/W
LEDV P550-SEL R	–	626 – 636 nm	–	12 lm	–	12 V	40 mA	0.48 W	25 lm/W
LEDV P550-SEL G	–	525 – 540 nm	–	30 lm	–	12 V	38 mA	0.45 W	67 lm/W
LEDV P550-SEL B	–	455 – 460 nm	–	8 lm	–	12 V	38 mA	0.38 W	21 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Tolerance range for optical and electrical data: ±15 % (optical data for blue: ±30 %, green: +15 / -30 %; electrical data for red, amber, orange: +15 / -30 %).
④ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a reduction in life-time or even in destruction. Tolerance range for the supply voltage: 8 V: +2 V / -0 V; 12 V: +2 V / -0 V.

IP68 RoHS

TALEXchain CRYSTAL CLASSIC

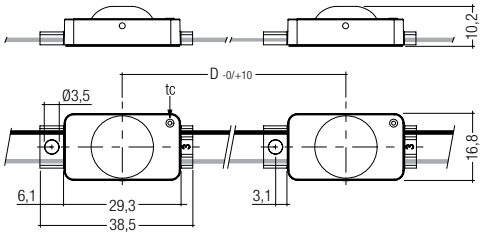
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- High-power LED in chip-on-board technology (COB)
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with M3 screw or premounted double-sided adhesive tape
- Nominal life-time up to 80,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Connection: cable 180 mm, both sides

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-30 ... +55 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-30 ... +80 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

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For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature	Packaging, roll	Packaging, carton	Packaging, pallet
1 light point per module							
LEDV P540-CLA CW 12 150 50 68 B	22176647	Crystal white	–	7,500 K	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA CW 12 100 50 68 B	22176644	Crystal white	–	7,500 K	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA DL 12 150 50 68 B	22176648	Daylight white	–	6,500 K	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA DL 12 100 50 68 B	22176645	Daylight white	–	6,500 K	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA GW 12 150 50 68 B	22176545	Gold white	–	2,700 K	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA GW 12 100 50 68 B	22176546	Gold white	–	2,700 K	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA R 12 150 50 68 B	22176649	Red	626 – 636 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA R 12 100 50 68 B	22176646	Red	626 – 636 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA G 12 150 50 68 B	22176694	Green	525 – 540 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA G 12 100 50 68 B	22176693	Green	525 – 540 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA B 12 150 50 68 B	22176699	Blue	455 – 460 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA B 12 100 50 68 B	22176698	Blue	455 – 460 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA LB 12 100 50 68 B	22176750	Light blue	–	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA O 12 150 50 68 B	22176704	Orange	600 – 610 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA O 12 100 50 68 B	22176703	Orange	600 – 610 nm	–	1 pc(s).	45 pc(s).	270 pc(s).
LEDV P540-CLA A 12 100 50 68 B	22176757	Amber	584 – 594 nm	–	1 pc(s).	45 pc(s).	270 pc(s).

Specific technical data

Type	Photometric code ③	Wavelength range	Colour temperature	Typ. luminous flux per module ③	Colour rendering index CRI ③	Supply voltage DC ④	Typ. current per module ③	Typ. power per module	Luminous efficacy
1 light point per module									
LEDV P540-CLA CW	775/569	–	7,500 K	24 lm	73	12 V	23 mA	0.28 W	85 lm/W
LEDV P540-CLA DL	765/569	–	6,500 K	24 lm	73	12 V	23 mA	0.28 W	85 lm/W
LEDV P540-CLA NW	842/569	–	4,200 K	21 lm	80	12 V	23 mA	0.28 W	82 lm/W
LEDV P540-CLA GW	942/569	–	2,700 K	13 lm	> 90	12 V	29 mA	0.35 W	37 lm/W
LEDV P540-CLA R	–	626 – 636 nm	–	9 lm	–	12 V	30 mA	0.36 W	25 lm/W
LEDV P540-CLA G	–	525 – 540 nm	–	20 lm	–	12 V	20 mA	0.24 W	93 lm/W
LEDV P540-CLA B	–	455 – 460 nm	–	3 lm	–	12 V	18 mA	0.22 W	14 lm/W
LEDV P540-CLA LB	–	–	–	13 lm	–	12 V	35 mA	0.42 W	31 lm/W
LEDV P540-CLA O	–	600 – 610 nm	–	17 lm	–	12 V	34 mA	0.40 W	43 lm/W
LEDV P540-CLA A	–	584 – 594 nm	–	17 lm	–	12 V	36 mA	0.43 W	40 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Tolerance range for optical and electrical data: ±15 % (optical data for blue: ±30 %, green: +15 / -30 %; electrical data for red, amber, orange: +15 / -30 %).
④ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 RoHS

NEW

TALEXchain CRYSTAL SELECT X

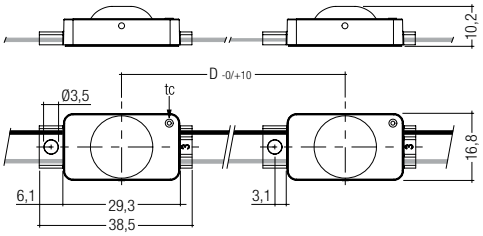
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High efficacy up to 107 lm/W for the LED module
- High colour consistency (MacAdam 3)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- High-power LED in chip-on-board technology (COB)
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with M3 screw or premounted double-sided adhesive tape
- Nominal life-time up to 80,000 h (at ta 55 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Connection: cable 180 mm, both sides

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-30 ... +55 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-30 ... +80 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

Ordering data

Type	Article number	Colour	Colour temperature	Packaging, roll	Packaging, carton	Packaging, pallet
1 light point per module						
LED P550-SEL CW 12 150 100 68 BX	**28000358**	Crystal white	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code ③	Wavelength range	Colour temperature	Typ. luminous flux per module ③	Colour rendering index CRI ③	Supply voltage DC ④	Typ. current per module ③	Typ. power per module	Luminous efficacy	Energy classification per module
1 light point per module										
LED P550-SEL CW ... X	775/349	–	7,500 K	60 lm	73	12 V	47 mA	0.56 W	107 lm/W	A++

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Tolerance range for optical and electrical data: ±15 %.
④ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 RoHS

TALEXchain CRYSTAL SELECT E G1

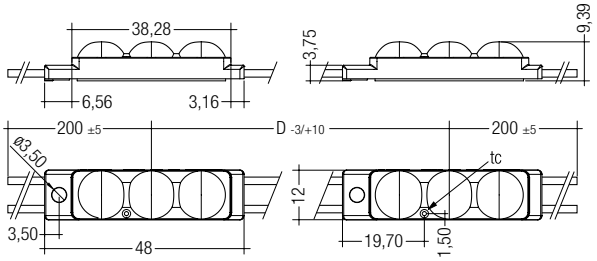
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape possible
- Nominal life-time up to 50,000 h (at ta 60 °C with a failure rate ≤ 0.2 % per 1,000 h)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ③	Packaging, roll	Packaging, carton	Packaging, pallet
3 light points per module							
LED P551E-S CW 12 200 100 68 B G1	**28000717**	Crystal white	–	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P551E-S DL 12 150 100 68 B G1	**28000365**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P551E-S DL 12 200 100 68 B G1	**28000366**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P551E-S NW 12 200 100 68 B G1	**28000432**	Neutral white	–	4,000 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P551E-S WW 12 200 100 68 B G1	**28000433**	Warm white	–	3,000 K	1 pc(s).	30 pc(s).	180 pc(s).

Specific technical data

Type	Photometric code ④ ⑤	Wavelength range	Colour temperature ③	Typ. luminous flux per module ④	Colour rendering index CRI ④	Supply voltage DC ⑥	Typ. current per module ④	Typ. power per module	Luminous efficacy
3 light points per module									
LED P551E-S CW	775/5xx	–	7,500 K	60 lm	> 63	12 V	58 mA	0.7 W	86 lm/W
LED P551E-S DL	765/5xx	–	6,500 K	60 lm	> 70	12 V	58 mA	0.7 W	86 lm/W
LED P551E-S NW	840/5xx	–	4,000 K	66 lm	> 80	12 V	58 mA	0.7 W	95 lm/W
LED P551E-S WW	830/5xx	–	3,000 K	66 lm	> 80	12 V	58 mA	0.7 W	95 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Colour temperature for information only. Valid colour see data sheet.
④ Tolerance range for optical and electrical data: ±15 %.
⑤ Photometric code in evaluation.
⑥ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 RoHS

TALEXchain CRYSTAL SELECT A G1

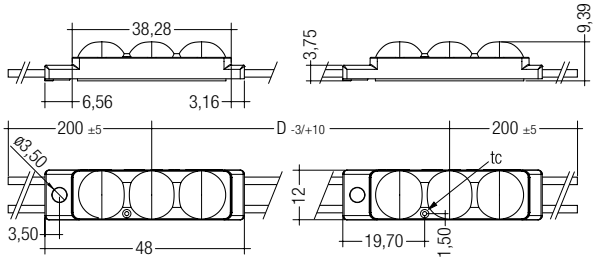
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape possible
- Nominal life-time up to 50,000 h (at ta 60 °C with a failure rate ≤ 0.2 % per 1,000 h)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ③	Packaging, roll	Packaging, carton	Packaging, pallet
3 light points per module							
LED P551E-S DL 12 150 100 68 B G1	**87500297**	Daylight white	–	6,500 K	1 pc(s).	10 pc(s).	120 pc(s).
LED P551E-S DL 12 200 100 68 B G1	**87500298**	Daylight white	–	6,500 K	1 pc(s).	10 pc(s).	120 pc(s).

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For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code ④ ⑤	Wavelength range	Colour temperature ③	Typ. luminous flux per module ④	Colour rendering index CRI ④	Supply voltage DC ⑥	Typ. current per module ④	Typ. power per module	Luminous efficacy
3 light points per module									
LED P551E-S DL	765/5xx	–	6,500 K	60 lm	> 70	12 V	58 mA	0.7 W	86 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Colour temperature for information only. Valid colour see data sheet.
④ Tolerance range for optical and electrical data: ±15 %.
⑤ Photometric code in evaluation.
⑥ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 RoHS

TALEXchain CRYSTAL CLASSIC E G1

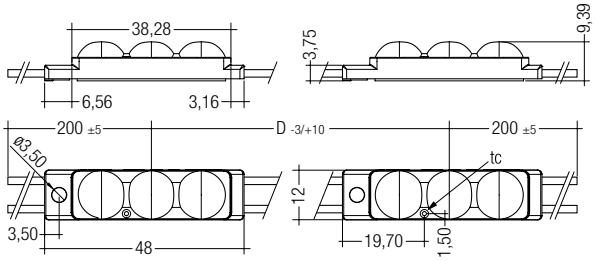
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape possible
- Nominal life-time up to 50,000 h (at ta 60 °C with a failure rate ≤ 0.2 % per 1,000 h)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ③	Packaging, roll	Packaging, carton	Packaging, pallet
3 light points per module							
LED P541E-C CW 12 200 100 68 B G1 X	**28000716**	Crystal white	–	7,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C DL 12 100 100 68 B G1	**28000361**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C DL 12 150 100 68 B G1	**28000362**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C DL 12 150 100 68 B G1 X	**28000363**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C DL 12 200 100 68 B G1 X	**28000364**	Daylight white	–	6,500 K	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C R 12 150 100 68 B G1	**28000468**	Red	620 – 630 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C G 12 150 100 68 B G1	**28000471**	Green	520 – 537 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C B 12 150 100 68 B G1	**28000472**	Blue	465 – 470 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C O 12 150 100 68 B G1	**28000469**	Orange	600 – 609 nm	–	1 pc(s).	30 pc(s).	180 pc(s).
LED P541E-C A 12 150 100 68 B G1	**28000470**	Amber	583 – 592 nm	–	1 pc(s).	30 pc(s).	180 pc(s).

Specific technical data

Type	Photometric code ④ ⑤	Wavelength range	Colour temperature ③	Typ. luminous flux per module ④	Colour rendering index CRI ④	Supply voltage DC ⑥	Typ. current per module ④	Typ. power per module	Luminous efficacy
3 light points per module									
LED P541E-C CW	775/5xx	–	7,500 K	31 lm	> 63	12 V	28 mA	0.34 W	92 lm/W
LED P541E-C CW ... X	775/5xx	–	7,500 K	45 lm	> 63	12 V	42 mA	0.50 W	88 lm/W
LED P541E-C DL	765/5xx	–	6,500 K	31 lm	> 70	12 V	28 mA	0.34 W	92 lm/W
LED P541E-C DL ... X	765/5xx	–	6,500 K	45 lm	> 70	12 V	42 mA	0.50 W	88 lm/W
LED P541E-C R	–	620 – 630 nm	–	12 lm	–	12 V	45 mA	0.54 W	22 lm/W
LED P541E-C G	–	520 – 537 nm	–	35 lm	–	12 V	37 mA	0.44 W	79 lm/W
LED P541E-C B	–	465 – 470 nm	–	11 lm	–	12 V	54 mA	0.65 W	17 lm/W
LED P541E-C O	–	600 – 609 nm	–	16 lm	–	12 V	37 mA	0.44 W	36 lm/W
LED P541E-C A	–	583 – 592 nm	–	12 lm	–	12 V	37 mA	0.44 W	27 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Colour temperature for information only. Valid colour see data sheet.
④ Tolerance range for optical and electrical data: ±15 % (optical data for red and blue:+15 / -30 %).
⑤ Photometric code in evaluation.
⑥ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 RoHS

TALEXchain CRYSTAL CLASSIC A G1

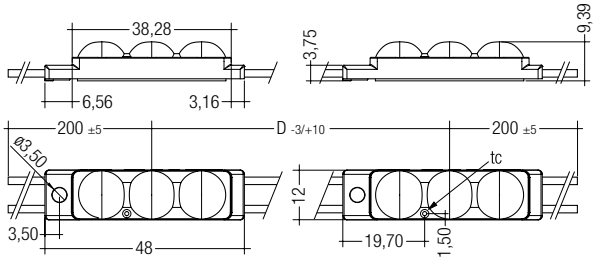
TALEXchain CRYSTAL

Product description

- LED chain for highlighting lines and edges and for backlighting complex contours, letters and symbols in signage applications
- Optimised for use in signage (lettering, surface backlighting)
- High colour consistency (MacAdam 5)
- Beam characteristic: 155°
- LED module with plastic casing and strain relief with IP68 protection
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape possible
- Nominal life-time up to 50,000 h (at ta 60 °C with a failure rate ≤ 0.2 % per 1,000 h)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	65 °C
Storage temperature ts	-40 ... +85 °C
Type of protection ②	IP68
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ③	Packaging, roll	Packaging, carton	Packaging, pallet
3 light points per module							
LED P541E-C DL 12 100 100 68 B G1	**87500293**	Daylight white	–	6,500 K	1 pc(s).	10 pc(s).	120 pc(s).
LED P541E-C DL 12 150 100 68 B G1	**87500294**	Daylight white	–	6,500 K	1 pc(s).	10 pc(s).	120 pc(s).
LED P541E-C DL 12 150 100 68 B G1 X	**87500295**	Daylight white	–	6,500 K	1 pc(s).	10 pc(s).	120 pc(s).
LED P541E-C DL 12 200 100 68 B G1 X	**87500296**	Daylight white	–	6,500 K	1 pc(s).	10 pc(s).	120 pc(s).

Specific technical data

Type	Photometric code ④ ⑤	Wavelength range	Colour temperature ③	Typ. luminous flux per module ④	Colour rendering index CRI ④	Supply voltage DC ⑥	Typ. current per module ④	Typ. power per module	Luminous efficacy
3 light points per module									
LED P541E-C DL	765/5xx	–	6,500 K	31 lm	> 70	12 V	28 mA	0.34 W	92 lm/W
LED P541E-C DL ... X	765/5xx	–	6,500 K	45 lm	> 70	12 V	42 mA	0.50 W	88 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Maximum submerge depth 1 m / 60 min.
③ Colour temperature for information only. Valid colour see data sheet.
④ Tolerance range for optical and electrical data: ±15 %.
⑤ Photometric code in evaluation.
⑥ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V.

IP68 Class 2 RoHS

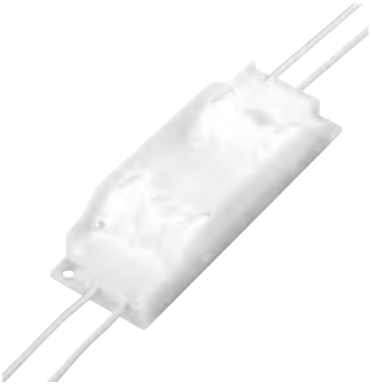
TALEXchain CRYSTAL BOX SELECT G1

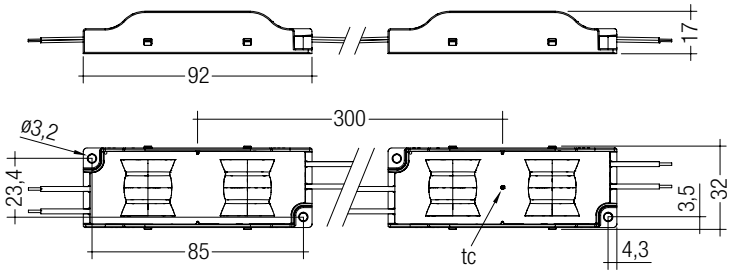
TALEXchain CRYSTAL

Product description

- LED chain for side illumination of single and double sided light boxes, letters and symbols in signage applications
- Optimised for use in slim light boxes
- High colour consistency (MacAdam 5)
- Beam characteristic: 12° / 110°°
- LED module with plastic casing and strain relief with IP68 protection
- High-power LED in chip-on-board technology (COB)
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape possible
- Nominal life-time up to 50,000 h (at ta 70 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Connection: cable 180 mm, both sides

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	–
Storage temperature ts	-40 ... +85 °C
Type of protection	IP68
Risk group (EN 62471:2008)	0

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ②	Packaging, carton	Packaging, pallet
2 light points per module						
LED P571-S LW 12 200 12 68 G1	**28000613**	Light white	–	5,000 K	1 pc(s).	1 pc(s).

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code ③ ④	Wavelength range	Colour temperature ②	Typ. luminous flux per module ③	Colour rendering index CRI ③	Supply voltage DC ⑤	Typ. current per module ③	Typ. power per module	Luminous efficacy
2 light points per module at supply voltage 12 V									
LED P571-S LW	–	–	5,000 K	450 lm	> 70	12 V	425 mA	5.1 W	85 lm/W
2 light points per module at supply voltage 24 V									
LED P571-S LW	–	–	5,000 K	450 lm	> 70	24 V	213 mA	5.1 W	85 lm/W

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Colour temperature for information only. Valid colour see data sheet.
③ Tolerance range for optical and electrical data: ±15 %.
④ Photometric code in evaluation.
⑤ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 12 V: +2 V / -0 V; 24 V: +2 V / -0 V.

Class 2 RoHS

NEW

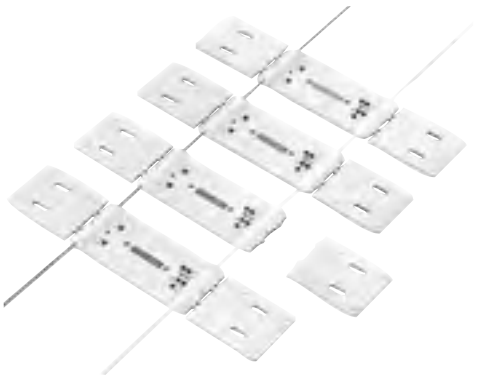
TALEXpanel P581 G1 EXCITE

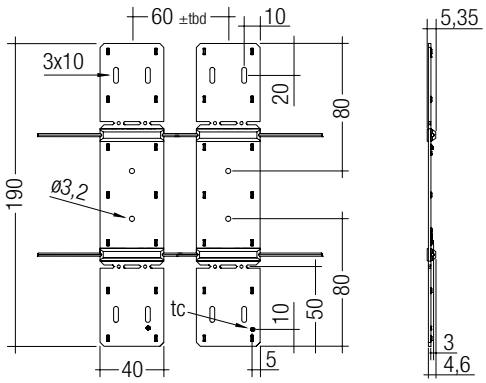
TALEXpanel

Product description

- LED chain for backlighting of light boxes, letters, symbols and complex contours in signage applications
- Optimised for use in signage
- High colour consistency (MacAdam 4)
- Beam characteristic: 120°
- LED module with plastic casing
- Integrated current source to stabilise luminous flux
- Flexible chain, can be split between any module
- Mounting with screw or premounted double-sided adhesive tape
- Nominal life-time up to 50,000 h (at ta 60 °C)

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta	-40 ... +60 °C
Max. surface temperature on module tc ①	70 °C
Storage temperature ts	-40 ... +60 °C
Type of protection	IP00
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Wavelength range	Colour temperature ②	Packaging, carton	Packaging, pallet
14 light points per module						
LED P581-C DL 24 60 25 20 G1	**28000614**	Daylight white	–	6,500 K	10 pc(s).	160 pc(s).
LED P581-C LW 24 60 25 20 G1	**28000615**	Light white	–	5,000 K	10 pc(s).	160 pc(s).

Specific technical data

Type	Photometric code ③ ④	Wavelength range	Colour temperature ②	Typ. luminous flux per module ③	Colour rendering index CRI ③	Supply voltage DC ⑤	Typ. current per module ③	Typ. power per module	Luminous efficacy	Energy classification per module
14 light points per module										
LED P581-C DL	765/4xx	–	6,500 K	100 lm	> 70	24 V	39 mA	0.94 W	106 lm/W	A++
LED P581-C LW	750/4xx	–	5,000 K	100 lm	> 70	24 V	39 mA	0.94 W	106 lm/W	A++

① If the max. temperature limits are exceeded, the life of the module will be greatly reduced or the module may be damaged. For the precise position of the tc point see the above diagram.
② Colour temperature for information only. Valid colour see data sheet.
③ Tolerance range for optical and electrical data: ±15 %.
④ Photometric code in evaluation.
⑤ Exceeding the max. operating voltage leads to an overload on the TALEXchain. This may in turn result in a significant reduction in life-time or even in destruction. Tolerance range for the supply voltage: 24 V: +2 V / -0 V.

OLEDmodule LUREON REP 10-40 DC/DL 2

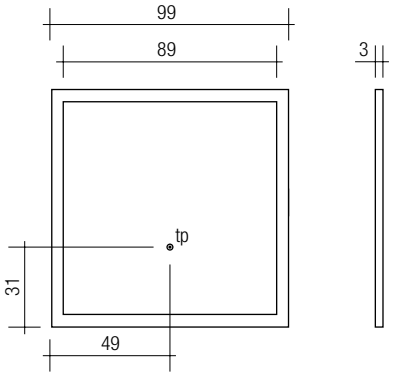
LUREON REP

Product description

- Typ. forward current 230 mA
- High efficiency > 50 lm/W
- Colour temperature 4,000 K
- High colour rendering index CRI > 90
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable neutral white light
- High specific light distribution of 12,000 lm/m²
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable or plug contact

→ For product data sheet go to www.tridonic.com, or available on request





The position of the tp point is on the backside of the module in the middle of the lable.

Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature ①	Type of connection	Packaging, carton	Weight per pc.
LUREON REP 10-40-DL 2	**28000249**	4,000 K	Cable	10 pc(s).	0.2 kg
LUREON REP 10-40-DC 2	**28000250**	4,000 K	Plug contact	10 pc(s).	0.2 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ②	Forward current ② ③	Supply voltage DC ②	Typ. power ②	Colour rendering index CRI ①
Operating mode at 230 mA						
LUREON REP 10-40-DL 2	940/4x7	70 lm	230 mA	5.9 V	1.4 W	> 90
LUREON REP 10-40-DC 2	940/4x7	70 lm	230 mA	5.9 V	1.4 W	> 90
Operating mode at 250 mA						
LUREON REP 10-40-DL 2	940/4x7	76 lm	250 mA	6.0 V	1.5 W	> 90
LUREON REP 10-40-DC 2	940/4x7	76 lm	250 mA	6.0 V	1.5 W	> 90
Operating mode at 350 mA						
LUREON REP 10-40-DL 2	940/4x7	104 lm	350 mA	6.1 V	2.1 W	> 90
LUREON REP 10-40-DC 2	940/4x7	104 lm	350 mA	6.1 V	2.1 W	> 90

① Colour temperature and tolerances according to CIE 1931.
② Tolerance range for optical and electrical data: ±15 %.
③ For the valid current range, please refer to the current related charts. Exceeding the max. operating current leads to an overload of the module. This may in turn result in a significant reduction in lifetime or even in destruction.

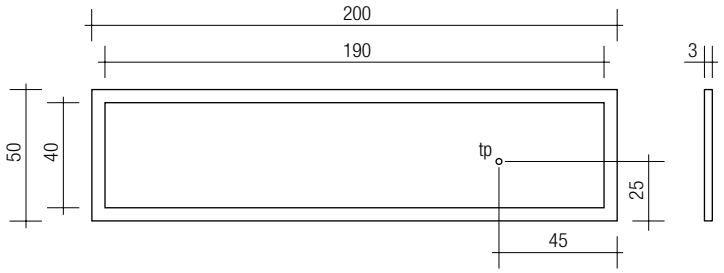
OLEDmodule LUREON REP 20w5-40 DL/DC

LUREON REP

Product description

- Typ. forward current 230 mA
- High efficiency > 50 lm/W
- Colour temperature 4,000 K
- High colour rendering index CRI > 90
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable neutral white light
- High specific light distribution of 12,000 lm/m²
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable or plug contact

→ For product data sheet go to www.tridonic.com, or available on request



Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

Ordering data

Type	Article number	Colour temperature ①	Type of connection	Packaging, carton	Weight per pc.
LUREON REP 20w5-40-DC	**28000317**	4,000 K	Plug contact	10 pc(s).	0.055 kg
LUREON REP 20w5-40-DL	**28000318**	4,000 K	Cable	10 pc(s).	0.055 kg

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ②	Forward current ② ③	Supply voltage DC ②	Typ. power ②	Colour rendering index CRI ①
Operating mode at 230 mA						
LUREON REP 20w5-40-DC	940/4x7	70 lm	230 mA	5.8 V	1.35 W	> 90
LUREON REP 20w5-40-DL	940/4x7	70 lm	230 mA	5.8 V	1.35 W	> 90
Operating mode at 250 mA						
LUREON REP 20w5-40-DC	940/4x7	76 lm	250 mA	5.9 V	1.50 W	> 90
LUREON REP 20w5-40-DL	940/4x7	76 lm	250 mA	5.9 V	1.50 W	> 90
Operating mode at 350 mA						
LUREON REP 20w5-40-DC	940/4x7	104 lm	350 mA	6.0 V	2.10 W	> 90
LUREON REP 20w5-40-DL	940/4x7	104 lm	350 mA	6.0 V	2.10 W	> 90

① Colour temperature and tolerances according to CIE 1931.
② Tolerance range for optical and electrical data: ±15 %.
③ For the valid current range, please refer to the data sheet. Exceeding the max. operating current leads to an overload of the module. This may in turn result in a significant reduction in life-time or even in destruction.

OLEDmodule LUREON REM 10-30 DL

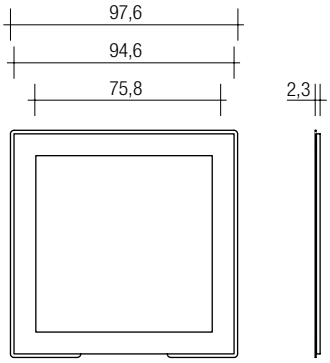
LUREON REM

Product description

- Typ. forward current 170 mA
- High efficiency ~ 40 lm/W
- Colour temperature 2,800 K
- High colour rendering index CRI ~ 80
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable warm white light
- High specific light distribution of 9,000 lm/m²
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable

→ For product data sheet go to www.tridonic.com, or available on request





The position of the tp point is on the backside of the module in the middle of the lable.

Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Type of connection	Packaging, carton	Weight per pc.
LUREON REM 10-30-DL	**28000061**	Cable	10 pc(s).	0.043 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ①	Forward current	Supply voltage DC ①	Typ. power ①	Colour rendering index CRI ②
Operating mode at 120 mA						
LUREON REM 10-30-DL	828/4x7	41 lm	120 mA	7.8 V	0.9 W	~ 80
Operating mode at 170 mA						
LUREON REM 10-30-DL	828/4x7	57 lm	170 mA	8.0 V	1.4 W	~ 80
Operating mode at 200 mA						
LUREON REM 10-30-DL	828/4x7	66 lm	200 mA	8.1 V	1.6 W	~ 80

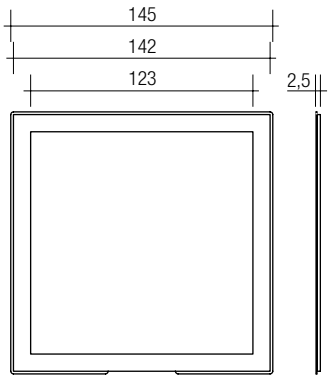
① Tolerance range for optical and electrical data: ±15 %.
② Colour temperature and tolerances according to CIE 1931.

OLEDmodule LUREON REM 15-30 DL
LUREON REM

Product description
- Typ. forward current 450 mA
- High efficiency ~ 40 lm/W
- Colour temperature 2,800 K
- High colour rendering index CRI ~ 80
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable warm white light
- High specific light distribution of 9,000 lm/m²
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable

→ For product data sheet go to www.tridonic.com, or available on request





The position of the tp point is on the backside of the module in the middle of the lable.

Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Type of connection	Packaging, carton	Weight per pc.
LUREON REM 15-30-DL	**28000062**	Cable	10 pc(s).	0.107 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ①	Forward current	Supply voltage DC ①	Typ. power ①	Colour rendering index CRI ②
Operating mode at 350 mA						
LUREON REM 15-30-DL	828/4x7	109 lm	350 mA	7.8 V	2.7 W	~ 80
Operating mode at 450 mA						
LUREON REM 15-30-DL	828/4x7	138 lm	450 mA	8.0 V	3.6 W	~ 80
Operating mode at 500 mA						
LUREON REM 15-30-DL	828/4x7	153 lm	500 mA	8.1 V	4.0 W	~ 80

① Tolerance range for optical and electrical data: ±15 %.
② Colour temperature and tolerances according to CIE 1931.

OLEDmodule LUREON REM 29w9-30 DL

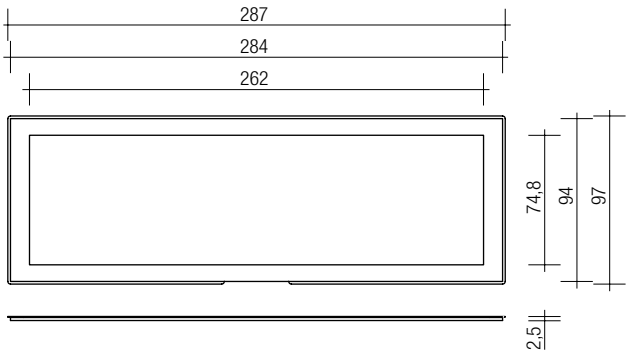
LUREON REM

Product description

- Typ. forward current 580 mA
- High efficiency ~ 40 lm/W
- Colour temperature 2,800 K
- High colour rendering index CRI ~ 80
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable warm white light
- High specific light distribution of 9,000 lm/m²
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable

→ For product data sheet go to www.tridonic.com, or available on request





The position of the tp point is on the backside of the module in the middle of the lable.

Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Type of connection	Packaging, carton	Weight per pc.
LUREON REM 29W9-30-DL	**28000063**	Cable	10 pc(s).	0.143 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ①	Forward current	Supply voltage DC ①	Typ. power ①	Colour rendering index CRI ②
Operating mode at 350 mA						
LUREON REM 29W9-30-DL	828/4x7	106 lm	350 mA	7.6 V	3.6 W	~ 80
Operating mode at 580 mA						
LUREON REM 29W9-30-DL	828/4x7	172 lm	580 mA	8.0 V	4.6 W	~ 80
Operating mode at 700mA						
LUREON REM 29W9-30-DL	828/4x7	206 lm	700 mA	8.1 V	5.6 W	~ 80

① Tolerance range for optical and electrical data: ±15 %.
② Colour temperature and tolerances according to CIE 1931.

OLEDmodule LUREON PURE 10-40 DC/DL

LUREON PURE

Product description

- Typ. forward current 230 mA
- High efficiency up to 50 lm/W
- Colour temperature 4,000 K
- High colour rendering index CRI > 90
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable neutral white light
- High specific light distribution of 9,000 lm/m²
- Flat design (6.5 mm)
- White diffuse surface
- Connection with cable or plug contact

→ For product data sheet go to www.tridonic.com, or available on request

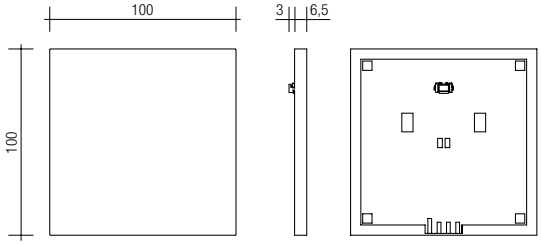
Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

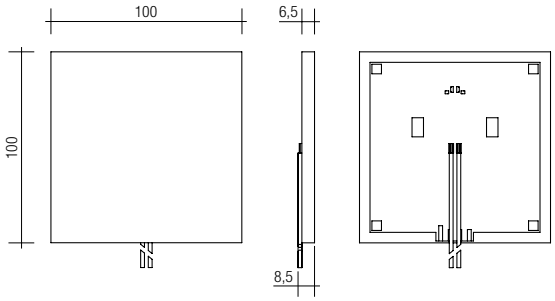
For standards see data sheet

For colour temperatures and tolerances see data sheet





OLEDmodule LUREON PURE 10-40-DC



OLEDmodule LUREON PURE 10-40-DL

Ordering data

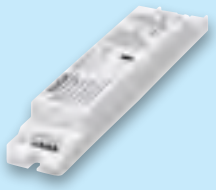
Type	Article number	Colour temperature ①	Type of connection	Packaging, carton	Weight per pc.
LUREON PURE 10-40-DC	**28000346**	4,000 K	Plug contact	10 pc(s).	0.1 kg
LUREON PURE 10-40-DL	**28000347**	4,000 K	Cable	10 pc(s).	0.1 kg

Specific technical data

Type	Photometric code	Luminous flux at tp = 25 °C ②	Forward current ② ③	Supply voltage DC ②	Typ. power ②	Colour rendering index CRI ① ②
Operating mode at 230 mA						
LUREON PURE 10-40-DC	940/4x7	65 lm	230 mA	5.9 V	1.33 W	90
LUREON PURE 10-40-DL	940/4x7	65 lm	230 mA	5.9 V	1.33 W	90
Operating mode at 250 mA						
LUREON PURE 10-40-DC	940/4x7	70 lm	250 mA	6.0 V	1.45 W	90
LUREON PURE 10-40-DL	940/4x7	70 lm	250 mA	6.0 V	1.45 W	90
Operating mode at 350 mA						
LUREON PURE 10-40-DC	940/4x7	97 lm	350 mA	6.1 V	2.10 W	90
LUREON PURE 10-40-DL	940/4x7	97 lm	350 mA	6.1 V	2.10 W	90

① Colour temperature and tolerances according to CIE 1931.
② Tolerance range for optical and electrical data: ±15 %.
③ For the valid current range, please refer to the data sheet. Exceeding the max. operating current leads to an overload of the module. This may in turn result in a significant reduction in life-time or even in destruction.

Product overview



EM converterLED BASIC
Lamp types: LED

LED emergency lighting LED Driver for manual testing:
- Low profile casing (21 x 30 mm cross-section)
- 1 or 3 h rated duration
- Compatible with dimmable and non-dimmable constant current LED Driver
- NiCd or NiMH batteries



EM powerLED BASIC 1 – 4 W
Lamp types: LED

LED emergency lighting LED Driver for manual testing:
- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated operating time
- 1, 2 or 4 W version
- SELV classified (outputs powerLED, battery, status LED, test switch)
- NiMH batteries



EM converterLED SELFTEST
Lamp types: LED

LED emergency lighting LED Driver with self-test function:
- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated duration
- Compatible with dimmable and non-dimmable constant current LED Driver
- NiCd or NiMH batteries



EM powerLED SELFTEST 1 – 4 W
Lamp types: LED

LED emergency lighting LED Driver with self-test function:
- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated operating time
- 1, 2 or 4 W version
- Tests: battery, lamp, charge status
- SELV classified (outputs powerLED, battery, status LED, test switch)
- NiMH batteries



EM converterLED PRO
Lamp types: LED

LED emergency lighting LED Driver with
DALI interface and automatic test function:
- Low profile casing (21 x 30 mm cross-section)
- 1, 2 or 3 h rated duration
- Compatible with dimmable and non-dimmable constant current LED Driver
- NiCd or NiMH batteries



EM powerLED PRO EZ-3 1 – 4 W
Lamp types: LED

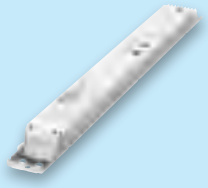
LED emergency lighting LED Driver with DALI interface and automatic test function:
- DALI switchable in mains operation (on / off)
- 1, 2 or 3 h rated operating time
- 1, 2 or 4 W version
- Tests: battery, lamp, charge status
- SELV classified (outputs powerLED, battery, status LED, test switch)
- NiMH batteries

Product overview



EM powerLED NM BASIC 1 W
Lamp types: LED

LED emergency lighting LED Driver for manual testing:
- Stand-by operation
- Low profile casing (21 x 30 mm cross-section)
- 3 h rated operating time
- 1 W version
- SELV classified (outputs powerLED, battery, status LED, test switch)
- NiCd or NiMH batteries



EM powerLED BASIC FX 80 W
Lamp types: LED

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting for manual testing:
- Constant current LED Driver with 150 – 500 mA output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- 1 or 3 h rated duration selectable with plug (duration link)
- NiCd or NiMH batteries



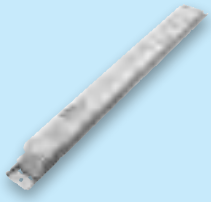
EM powerLED BASIC 50 W 4x300/350 mA
Lamp types: LED

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting:
- Constant current LED Driver with 4 x 300 mA or 4 x 350 mA output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- 1 or 3 h rated duration selectable with plug (duration link)
- NiCd or NiMH batteries



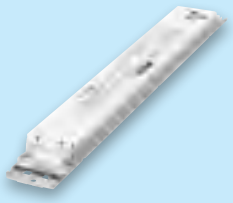
EM powerLED BASIC 15 W CLE
Lamp types: LED

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting:
- Constant current LED Driver with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated 1 W LED Driver for stand-by operation
- 3 h rated duration selectable with plug (duration link)
- NiCd or NiMH batteries



EM powerLED CPS FX 80 W
Lamp types: LED

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF):
- Constant current LED Driver with 150 – 500 mA output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- For use in central battery systems



EM powerLED 50 W CPS 4x300/350 mA
Lamp types: LED

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF):
- Constant current LED Driver with 4 x 300 mA or 4 x 350 mA output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- For use in central battery systems

Product overview



EM powerLED 15 W CLE CPS
Lamp types: LED

LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF):

- Constant current LED Driver with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- For use in central battery systems



TALEXmodule EM-AP

LED emergency lighting module:

- High-power LED in COB technology
- For anti-panic emergency lighting
- Small dimensions
- Long life thanks to integrated heat removal
- Integrated two-colour status LED



TALEXmodule EM-ER

LED emergency lighting module:

- High-power LED in COB technology
- For escape route lighting
- Small dimensions
- Long life thanks to integrated heat removal
- Integrated two-colour status LED



TALEXmodule EM-ES 08/10/12 Mk2

Lighting module with 8, 10 or 12 LEDs (emergency lighting strip):

- For use in escape route signs
- For permanent and stand-by operation
- Replacement for 8 W T5 linear lamps
- Low energy consumption
- Long life for maintenance-free escape sign system



DALI x/e-touchPANEL 02

Emergency lighting control system for 120 DALI emergency lighting LED Driver:

- 2 DALI circuits for 60 emergency lighting LED Driver each
- Calendar-controlled function and service life test
- User-friendly application software
- Simple downloading of the test report to a PC via Ethernet
- Panels can be connected together to create large installations
- Can be remote-controlled via standard internet browser or em-LINK software

Product overview



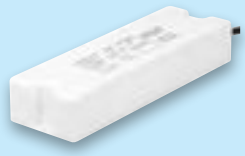
NiCd accus 1.6 – 4.5 Ah for 55 °C

High-temperature NiCd cells for use with emergency lighting LED Driver:
- Constant high-temperature operation at 55 °C
- 4-year life operating at maximum temperature
- In various configurations
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



NiCd accus 4 Ah for 50 °C

High-temperature NiCd cells for use with emergency lighting LED Driver:
- Constant high-temperature operation at 50 °C
- 4-year life operating at maximum temperature
- In various configurations
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



NiCd battery pack 1.6 – 4.5 Ah for 55 °C

High-temperature NiCd battery pack for use with emergency lighting LED Driver:
- 4-year life operating at maximum temperature
- Polycarbonate casing material
- 1.0 m integrated double-insulated cable
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22



NiMH accus 2.0 – 4.0 Ah for 45 – 55 °C

High-temperature NiMH cells for use with emergency lighting LED Driver:
- Eco-friendly because there is no cadmium
- Low profile, 22 mm cross-section
- 4-year life operating at maximum temperature
- High-quality European manufacturer
- Suitable for emergency lighting equipment as per IEC 60598-2-22

Standards

Series	Type	acc. to EN 50172	acc. to EN 60598-2-22	EN 61347-2-3	EN 61347-2-7	EN 61347-2-13	EN 60929	EN 62384	EN 62471	EN 62031	EN 62034	EN 55015	EN 55022	EN 61000-3-2	EN 61000-3-3	EN 61547	EN 61000-6-2	IEC 62386-102	IEC 62386-202
EM converterLED	EM converterLED BASIC 50V	●	●		●	●		●				●		●	●	●			
	EM converterLED ST 50V	●	●		●	●		●			●	●		●	●	●			
	EM converterLED PRO 50V	●	●		●	●		●			●	●		●	●	●		●	●
	EM converterLED BASIC 90V	●	●		●	●		●				●		●	●	●			
	EM converterLED ST 90V	●	●		●	●		●			●	●		●	●	●			
	EM converterLED PRO 90V	●	●		●	●		●			●	●		●	●	●		●	●
	EM converterLED BASIC 200V	●	●		●	●		●				●		●	●	●			
	EM converterLED ST 200V	●	●		●	●		●			●	●		●	●	●			
	EM converterLED PRO 200V	●	●		●	●		●			●	●		●	●	●		●	●
EM powerLED	EM powerLED BASIC 1 – 2 W	●	●		●	●		●				●		●	●	●			
	EM powerLED SELFTEST 1 – 2 W	●	●		●	●		●			●	●		●	●	●			
	EM powerLED PRO EZ-3 1 – 2 W	●	●		●	●		●			●	●		●	●	●		●	●
	EM powerLED NM BASIC 1 W	●	●		●	●		●				●		●	●	●			
	EM powerLED BASIC 4 W	●	●		●	●		●				●		●	●	●			
	EM powerLED SELFTEST 4 W	●	●		●	●		●			●	●		●	●	●			
	EM powerLED PRO EZ-3 4 W	●	●		●	●		●			●	●		●	●	●		●	●
	EM powerLED BASIC FX 80 W	●	●		●	●		●				●		●	●	●			
	EM powerLED BASIC 50 W 4x300/350 mA	●	●		●	●		●				●		●	●	●			
	EM powerLED BASIC FX C/SR 50 W	●	●		●	●		●				●		●	●	●			
	EM powerLED BASIC 15 W CLE	●	●		●	●		●				●		●	●	●			
	EM powerLED BASIC CPS FX 80 W	●	●			●		●				●		●	●	●			
	EM powerLED 50 W CPS 4x300/350 mA	●	●			●		●				●		●	●	●			
	EM powerLED CPS FX C/SR 50 W	●	●			●		●				●		●	●	●			
	EM powerLED 15 W CLE CPS	●	●			●		●				●		●	●	●			
EM-LED light sources	TALEXmodule EM-AP								●	●									
	TALEXmodule EM-ER								●	●									
	TALEXmodule EM-ES 08/10/12 Mk2								●	●									
EM Controls	DALI x/e-touchPANEL 02											●	●	●	●	●	●		
Batteries	NiCd accus		●																
	NiMH accus		●																

Emergency lighting LED Driver for all needs



Emergency lighting systems are compulsory in many official buildings and in many work places so that in the unlikely event of a power failure people can find their way around safely. Safety lights and escape route lights provide enough light to shut machinery down, use the escape routes and give quick access to fire extinguishers and other safety equipment. They prevent panic and save lives.

Tridonic offers a broad range of emergency lighting LED Driver for battery powered emergency lighting systems perfectly matched to the requirements of various country-specific standards – whatever the circumstances and whatever the types of lamp.

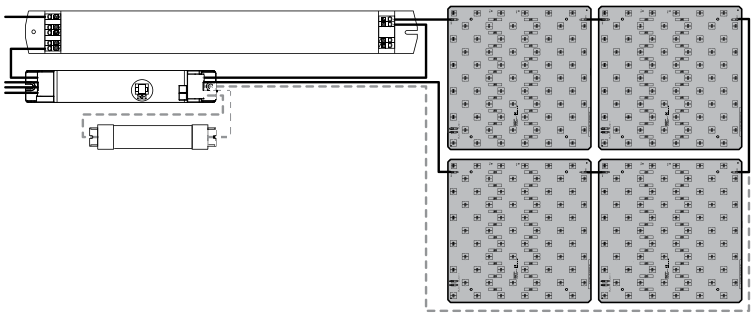
LED emergency lighting
LEDs are becoming more and more important as light sources in emergency lighting systems and also in a whole series of general illumination applications. Tridonic's expertise and powers of innovation in developing future-roof solutions are playing a major role here.

EM converterLED product family
A switch to LED technology brings with it the need for suitable emergency lighting systems for luminaires. For its EM converterLED product family Tridonic has focused on the following:

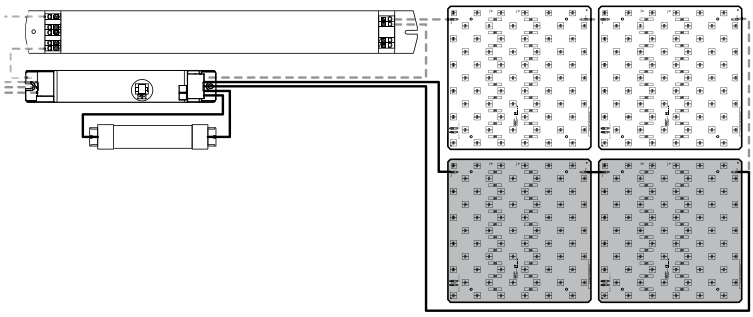
- **A lean and transparent product range for maximum flexibility**
  Thanks to power regulation in emergency mode, all the EM converterLED devices provide maximum light output within the required emergency mode period (1 or 3 hours).

  In emergency lighting mode all the energy stored in the battery is used by the EM converterLED modules to produce emergency light. Power regulation allows for optimum flexibility for operating a large number of combinations of LED Driver and LED light modules.

In normal operation all the connected modules are operated by the mains powered LED Driver.



In emergency mode the LED modules connected to the EM converterLED are operated from the battery. The number of LED modules for emergency operation depends on the maximum forward voltage of the EM converterLED (50, 90 or 200 V). Normal and emergency modes are operated on separate circuits.



EM converterLED detects the forward voltage of the LED module and automatically regulates the current in emergency lighting mode. This technology also enables the emergency light output to be scaled. If the emergency light value has to be increased the customer simply selects the next higher version with an additional battery cell. In other words, despite an extremely slim range of emergency lighting products power regulation offers maximum flexibility for a large number of combinations of LED Driver and LED light modules.

- **Structure of the portfolio according to SELV classification**
  a) Maximum output voltage up to 60 V: This range is typically used for SELV applications and makes for simple luminaire design without additional protection technologies. It is typically used for spot modules which are operated at relatively high currents and where the forward voltage does not exceed a nominal value of 50 V.

  b) Maximum output voltage up to 120 V: This range includes SELV applications which must not be touched. This voltage range relates to LED luminaires which are operated with a relatively high overall forward voltage. Individual LED modules are typically connected in series and provide an average light output of 20 to 50 W. This product version covers heavily used areas and areas without daylight in which higher than normal light values are required.

  c) Maximum output voltage up to 200 V: Linear or rectangular luminaires which are operated in non-SELV mode for the purposes of maximum LED efficiency can easily be equipped with EM converterLED 200 V to create an emergency lighting luminaire. Depending on the overall forward voltage of the LED modules, up to 6 or 7 LED panels connected in series can run simultaneously in emergency mode. This means that extremely uniform illumination can be achieved for emergency lighting.

- **Emergency lighting function in BASIC – SELFTEST – PRO DALI versions**
  Version EM converterLED BASIC: Offers basic emergency lighting functions. Tests based on national requirements for emergency lighting applications are performed manually; the test results must be documented.

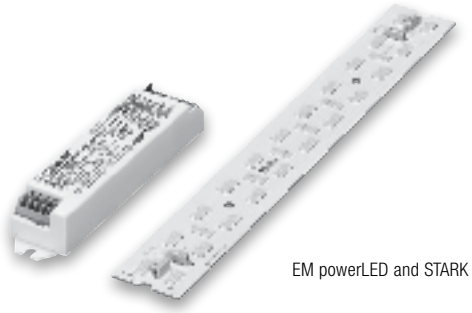
  Version EM converterLED SELFTEST: Has a decentralised self-test function in accordance with IEC 62034, the international standard for automatically tested emergency lighting. Typically the test results are displayed at the luminaire; the test results must be manually documented.

  Version EM converterLED PRO: Has an automatic test function in accordance with national standards; the test procedures, test sequences and documentation of the test results are administered via a central DALI bus system.

- **One casing shape for all product versions**
  A single casing with fixed length, width and height dimensions (179 x 30 x 21 mm) allows luminaire manufacturers to scale and expand their luminaire series with different emergency lighting functions: Manufacturers can offer the functions of BASIC, ST and PRO DALI without having to change the mechanical design or the spacing between the mounting holes on their luminaires.

Combined devices of the EM powerLED product family

The devices in the EM powerLED series are ideal for a wide range of emergency lighting applications in combination with TALEXX LED modules.



EM powerLED and STARK LLE-EM

EM powerLED is a combined solution for applications both in continuous operation and for emergency battery mode. EM powerLED BASIC 50 W 4x300/4x350 mA plays an important role here.

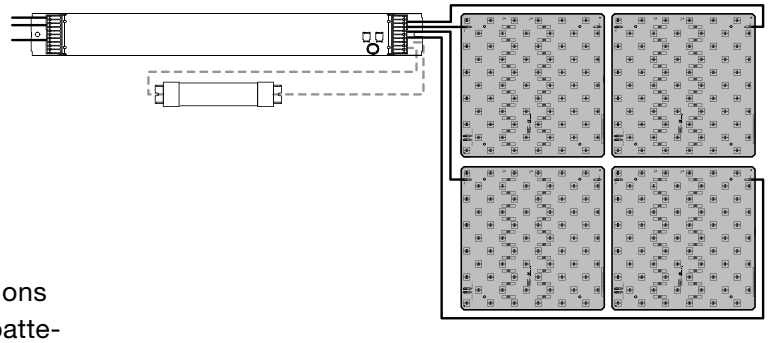
EM powerLED BASIC 50 W 4x300/4x350 mA

The EM powerLED BASIC 50 W 4x300/4x350 mA is a 4-channel LED driver that has been specially designed for Tridonic TALEXX LLE and QLE modules. Each channel is operated at a constant current of 300 or 350 mA in a voltage range of 29 to 36 V. This is a SELV converter with a total output power of 50 W.

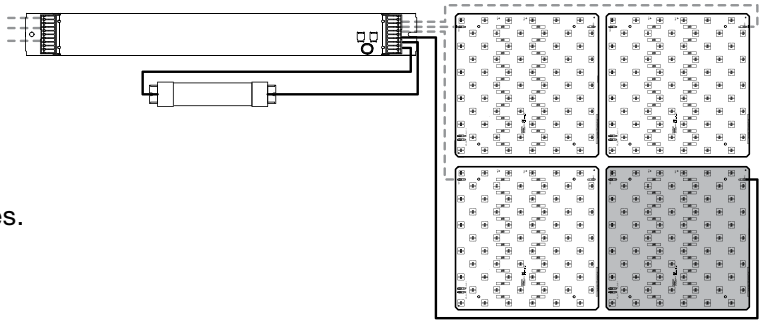
The combined 4-channel system makes it easy to wire the luminaires using four LLE or four QLE modules (as replacements for rectangular 4x18 W FL luminaires – with minimal space requirements and at an optimum price/performance ratio.

Thanks to optimised costs these modules are typically used for functional lighting systems that are offered in large quantities at low prices. The EM powerLED BASIC 50 W 4x300/4x350 mA product family is also equipped with the Simple CORRIDOR FUNCTION (CF). In combination with a presence sensor the light value can be reduced from 100 to 10 %.

In normal operation all the connected modules are operated by the mains powered LED Driver.



In emergency mode a LED module is operated from the battery.

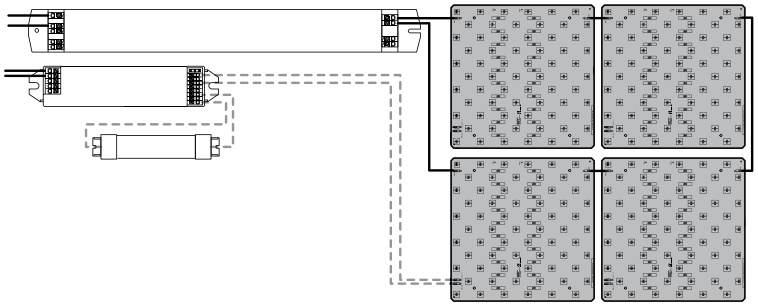


To offer the same functions for mixed lighting installations with or without batteries the EM powerLED 50 W CPS 4x300/4x350 mA device has been added to the portfolio as a LED Driver for mains operation. The CPS version is compatible with standard central battery systems.

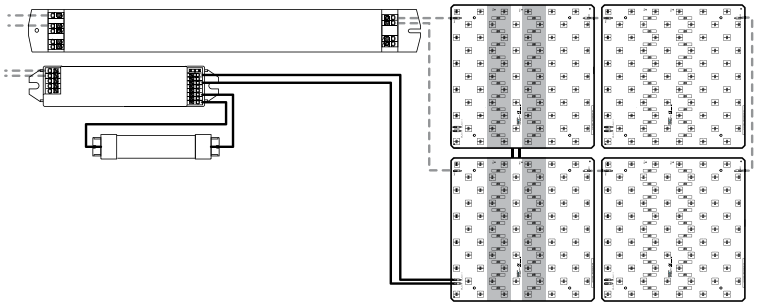
Emergency mode with separate integrated emergency LEDs

STARK SLE GEN3 CLASSIC EM, STARK CLE CLASSIC EM, STARK QLE G2 CLASSIC EM and STARK LLE 24-280-1250 EM are modules for general illumination which have additional separate LEDs for the emergency lighting function. These separate emergency lighting LEDs are operated from the range of EM powerLED 1 – 4 W LED Driver. The LEDs for general illumination are operated from a standard LED Driver.

In normal operation all the connected modules are operated by the mains powered LED Driver.



In emergency mode the separate integrated emergency lighting LEDs are operated by EM powerLED. Normal mode and emergency mode are provided as separate circuits.



Combination of emergency lighting and DALI
The special feature of EM PRO units from Tridonic is that they can be operated with DALI emergency control systems or can be successfully integrated in DALI-based lighting systems. This means that the entire functionality of DALI systems can be accessed, including individual addressability.



DALI x/e-touchPANEL 02
for controlling and monitoring up to 120 DALI emergency lighting LED Driver

Individually addressable emergency lighting LED Driver have a certain level of “intelligence”. In these cases, the fault reporting function provides more information than simply that the lamp, LED Driver or battery is faulty. Detailed information on say, the type of lamp or device status can be displayed either locally or centrally. This extensive functionality of EM PRO emergency lighting LED Driver, which also have the “capabilities” of the EM SELFTEST module, has benefits in terms of facility management, particularly for operating large lighting systems.

Standards and approval marks
Emergency lighting LED Driver from Tridonic are ENEC certified, carry the CE and RCM mark and meet all the European as well as international standards relating to safety, operation and electro-magnetic compatibility (EMC).

Lamp matrix
Which LED Driver for which lamp? The latest lamp matrix with approved lamps is available on the internet at: www.tridonic.com, menu “Technical data”, sub-menu “Lamp matrix”

Technical information
The latest technical information is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “Data sheets”

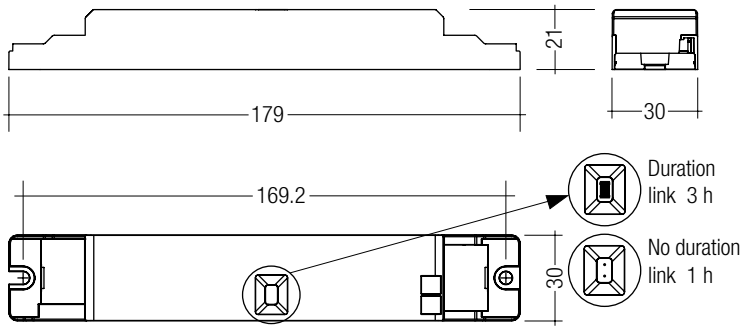
Personal enquiries
A form for personal enquiries is available on the internet at: www.tridonic.com, menu “Contact”, submenu “Contact form”

SELV RoHS

EM converterLED BASIC 50 V

Emergency lighting LED Driver





Note: Supply of LED Driver with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Product description

- Emergency lighting LED Driver for manual testing
- For LED modules with a forward voltage of 10 – 50 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

→

Standards, page 376

Batteries, page 456

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.6
Forward voltage range LED module	10 – 50 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	60 V
Battery charging time ①	20 h
Ambient temperature ta	-5 ... +55 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED BASIC 103 50V	**89800178**	1/3 h	3	10 pc(s).	800 pc(s).	0.077 kg
EM converterLED BASIC 104 50V	**89800179**	1/3 h	4	10 pc(s).	800 pc(s).	0.078 kg
EM converterLED BASIC 134 NiCd 50V	**89800180**	3 h	4	10 pc(s).	800 pc(s).	0.078 kg

① 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation	Mains power in charging operation
EM converterLED BASIC 103 50V	1 h	3.0 W	25 mA	3.0 W
EM converterLED BASIC 103 50V	3 h	3.0 W	30 mA	3.7 W
EM converterLED BASIC 104 50V	1 h	4.0 W	27 mA	3.0 W
EM converterLED BASIC 104 50V	3 h	4.0 W	35 mA	4.0 W
EM converterLED BASIC 134 NiCd 50V	3 h	1.5 W	27 mA	3.0 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication green LED EM CON

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



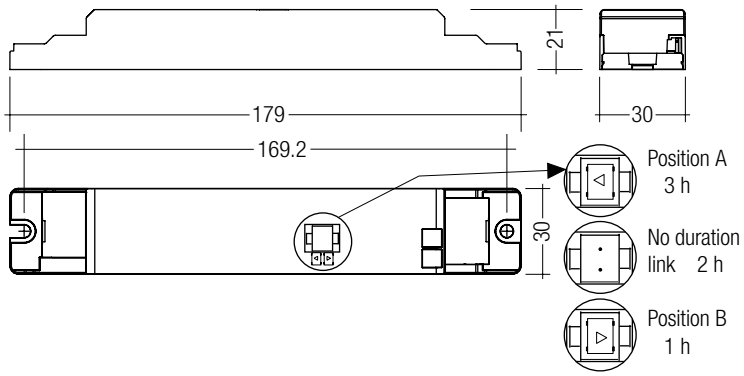
Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green 1.0 m	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

SELV RoHS

EM converterLED ST 50 V
Emergency lighting LED Driver





Note: Supply of LED Driver with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Product description
- Emergency lighting LED Driver with self-test function
- For LED modules with a forward voltage of 10 – 50 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties
- Non maintained operation
- Self-test as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Bi-colour status display LED
- “Rest mode” function
- Electronic multi-level charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Self-test:
- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries
- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

→

Standards, page 376

Batteries, page 456

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.45
Forward voltage range LED module	10 – 50 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	60 V
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency LED Driver	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5 s test
Duration test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED ST 103 50V	**89800181**	1/2/3 h	3	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 104 50V	**89800182**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 134 NiCd 50V	**89800183**	3 h	4	10 pc(s).	800 pc(s).	0.08 kg

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously	Initial charge	Fast recharge	Trickle charge
EM converterLED ST 103 50V	1 h	3.0 W	20 mA	22 mA	16 mA	2.2 W	2.7 W	1.6 W
EM converterLED ST 103 50V	2 h	3.0 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED ST 103 50V	3 h	3.0 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED ST 104 50V	1 h	4.0 W	25 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 104 50V	2 h	4.0 W	30 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 50V	3 h	4.0 W	30 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 134 NiCd 50V	3 h	1.5 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM CON

Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection



Ordering data

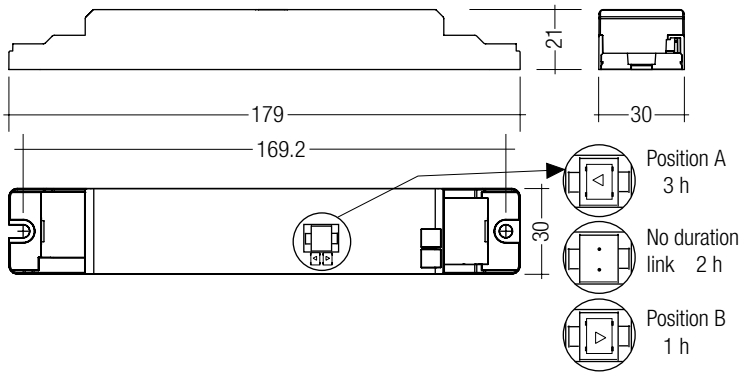
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 0.3 m CON	**89800276**	25 pc(s).	200 pc(s).	0.005 kg

DALI SELV RoHS

EM converterLED PRO 50 V

Emergency lighting LED Driver





Note: Supply of LED Driver with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 10 – 50 V
- SELV for output voltage < 60 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- DALI interface for controlled testing and monitoring
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- For 2 h operation: first test 120 min., all other tests 90 min., rated duration
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Addressing function, patented (“EZ easy addressing”)
- Bi-colour status display LED
- Electronic multi-level charge system
- “Rest mode” function
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.45
Forward voltage range LED module	10 – 50 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	60 V
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED PRO 103 50V	**89800184**	1/2/3 h	3	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 104 50V	**89800185**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 134 NiCd 50V	**89800186**	3 h	4	10 pc(s).	800 pc(s).	0.08 kg

→

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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously	Initial charge	Fast recharge	Trickle charge
EM converterLED PRO 103 50V	1 h	3.0 W	20 mA	22 mA	16 mA	2.2 W	2.7 W	1.1 W
EM converterLED PRO 103 50V	2 h	3.0 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED PRO 103 50V	3 h	3.0 W	27 mA	27 mA	20 mA	3.5 W	3.7 W	2.0 W
EM converterLED PRO 104 50V	1 h	4.0 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 104 50V	2 h	4.0 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 50V	3 h	4.0 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 134 NiCd 50V	3 h	1.5 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM CON

Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 0.3 m CON	**89800276**	25 pc(s).	200 pc(s).	0.005 kg

RoHS

ACCES-SORIES

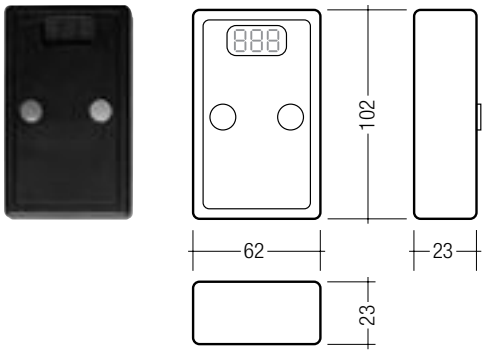
Addressing tool

Product description

- Provides simple addressing for the EM PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

SELV RoHS

EM converterLED BASIC 90 V

Emergency lighting LED Driver

Product description

- Emergency lighting LED Driver for manual testing
- For LED modules with a forward voltage of 50 – 90 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

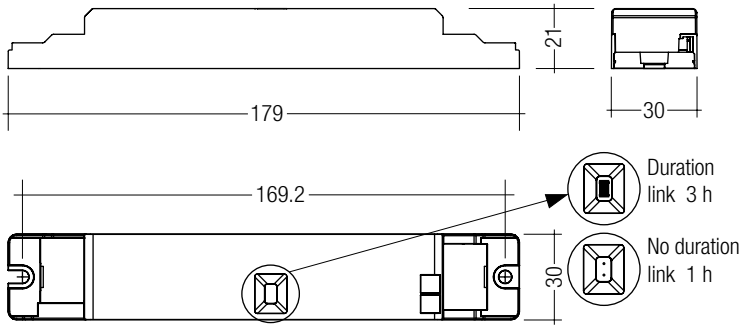
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Batteries, page 456

For wiring diagrams and installation examples see data sheet





Note: Supply of LED Driver with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.6
Forward voltage range LED module	50 – 90 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	120 V
Battery charging time ①	20 h
Ambient temperature ta	-5 ... +55 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED BASIC 104 90V	**89800187**	1/3 h	4	10 pc(s).	800 pc(s).	0.078 kg
EM converterLED BASIC 105 90V	**89800188**	1/3 h	5	10 pc(s).	800 pc(s).	0.077 kg
EM converterLED BASIC 135 NiCd 90V	**89800189**	3 h	5	10 pc(s).	800 pc(s).	0.077 kg

① 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation	Mains power in charging operation
EM converterLED BASIC 104 90V	1 h	4 W	27 mA	3.0 W
EM converterLED BASIC 104 90V	3 h	4 W	35 mA	4.0 W
EM converterLED BASIC 105 90V	1 h	5 W	27 mA	3.0 W
EM converterLED BASIC 105 90V	3 h	5 W	35 mA	4.5 W
EM converterLED BASIC 135 NiCd 90V	3 h	2 W	27 mA	3.0 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication green LED EM CON

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

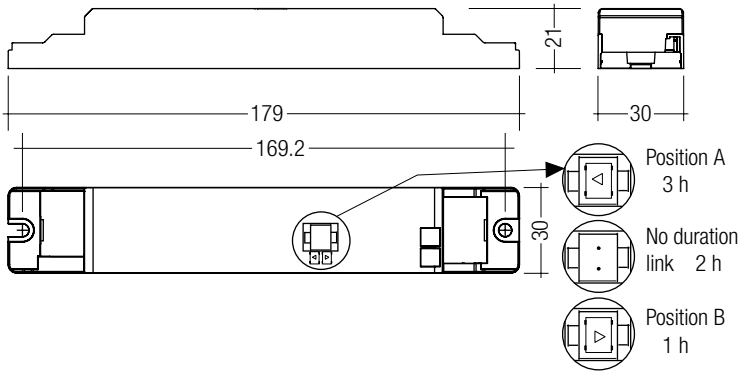
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green 1.0 m	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

SELV RoHS

EM converterLED ST 90 V

Emergency lighting LED Driver





Product description

- Emergency lighting LED Driver with self-test function
- For LED modules with a forward voltage of 50 – 90 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Self-test as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Bi-colour status display LED
- "Rest mode" function
- Electronic multi-level charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

→

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For wiring diagrams and installation examples see data sheet

Note: Supply of LED Driver with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.45
Forward voltage range LED module	50 – 90 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	120 V
Battery charging time	20 h
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency LED Driver	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5 s test
Duration test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED ST 104 90V	**89800190**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 105 90V	**89800191**	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 135 NiCd 90V	**89800192**	3 h	5	10 pc(s).	800 pc(s).	0.08 kg

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously	Initial charge	Fast recharge	Trickle charge
EM converterLED ST 104 90V	1 h	4 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 104 90V	2 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 90V	3 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 105 90V	1 h	5 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 105 90V	2 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 105 90V	3 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 135 NiCd 90V	3 h	2 W	20 mA	25 mA	17 mA	2.5 W	3.3 W	1.7 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM CON

Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection



Ordering data

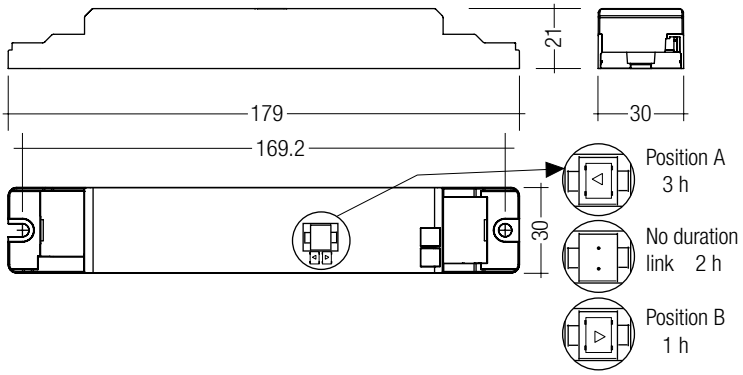
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 0.3 m CON	**89800276**	25 pc(s).	200 pc(s).	0.005 kg

DALI SELV RoHS

EM converterLED PRO 90 V

Emergency lighting LED Driver





Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 50 – 90 V
- SELV for output voltage < 120 V DC
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- DALI interface for controlled testing and monitoring
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- For 2 h operation: first test 120 min., all other tests 90 min., rated duration
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Addressing function, patented (“EZ easy addressing”)
- Bi-colour status display LED
- Electronic multi-level charge system
- “Rest mode” function
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

Note: Supply of LED Driver with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.45
Forward voltage range LED module	50 – 90 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	120 V
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED PRO 104 90V	**89800193**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 90V	**89800194**	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 135 NiCd 90V	**89800195**	3 h	5	10 pc(s).	800 pc(s).	0.08 kg

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Batteries, page 456
For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously	Initial charge	Fast recharge	Trickle charge
EM converterLED PRO 104 90V	1 h	4 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 104 90V	2 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 90V	3 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 105 90V	1 h	5 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 105 90V	2 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 105 90V	3 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 135 NiCd 90V	3 h	2 W	20 mA	25 mA	17 mA	2.5 W	3.3 W	1.7 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM CON

Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection



Ordering data

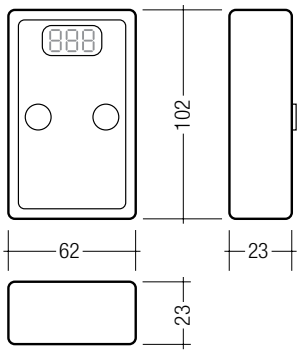
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 0.3 m CON	**89800276**	25 pc(s).	200 pc(s).	0.005 kg

RoHS

ACCES-SORIES

Addressing tool





Product description

- Provides simple addressing for the EM PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display

Ordering data

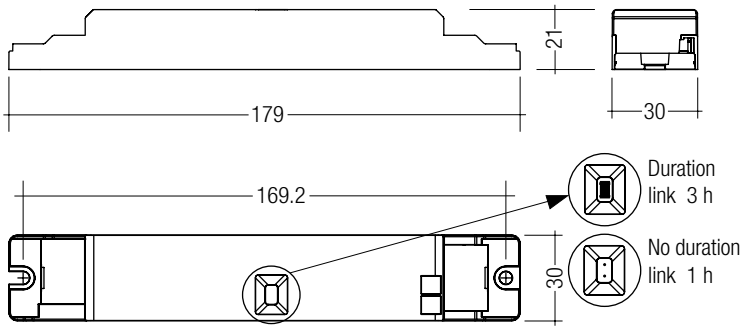
Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

RoHS

EM converterLED BASIC 200 V

Emergency lighting LED Driver





Note: Supply of LED Driver with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Product description

- Emergency lighting LED Driver for manual testing
- For LED modules with a forward voltage of 50 – 200 V
- Low profile casing (21 x 30 mm cross-section)
- For luminaire installation

Properties

- Non maintained operation
- 1 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Electronic charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

→

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Batteries, page 456

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz)	0.55
Forward voltage range LED module	50 – 200 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	250 V
Battery charging time ①	20 h
Ambient temperature ta	-5 ... +55 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED BASIC 104 200V	**89800308**	1/3 h	4	10 pc(s).	800 pc(s).	0.078 kg
EM converterLED BASIC 105 200V	**89800309**	1/3 h	5	10 pc(s).	800 pc(s).	0.078 kg

① 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation	Mains power in charging operation
EM converterLED BASIC 104 200V	1 h	4 W	25 mA	3.0 W
EM converterLED BASIC 104 200V	3 h	4 W	30 mA	4.0 W
EM converterLED BASIC 105 200V	1 h	5 W	25 mA	3.0 W
EM converterLED BASIC 105 200V	3 h	5 W	30 mA	4.5 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication green LED EM CON

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



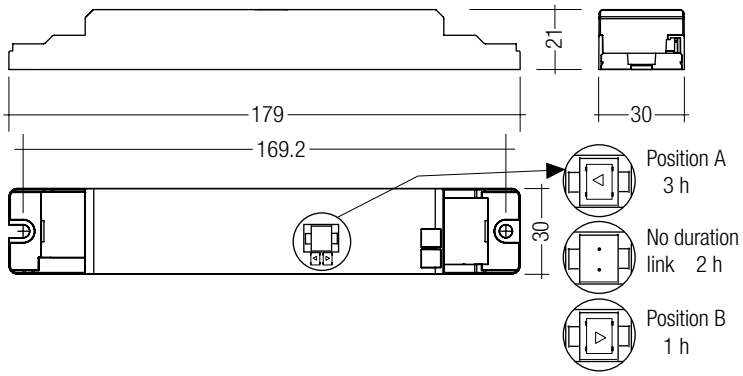
Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green 1.0 m	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

EM converterLED ST 200 V

Emergency lighting LED Driver





Note: Supply of LED Driver with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Product description

- Emergency lighting LED Driver with self-test function
- For LED modules with a forward voltage of 50 – 200 V
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Self-test as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Bi-colour status display LED
- "Rest mode" function
- Electronic multi-level charge system
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

→

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For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, 1 h rated duration)	0.45
Typ. λ (at 230 V, 50 Hz, 2/3 h rated duration)	0.5
Forward voltage range LED module	50 – 200 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	250 V
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency LED Driver	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5 s test
Duration test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED ST 104 200V	**89800310**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 105 200V	**89800311**	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously	Initial charge	Fast recharge	Trickle charge
EM converterLED ST 104 200V	1 h	4 W	20 mA	25 mA	17 mA	3.0 W	3.0 W	1.7 W
EM converterLED ST 104 200V	2 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 200V	3 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 105 200V	1 h	5 W	20 mA	25 mA	17 mA	3.0 W	3.5 W	1.7 W
EM converterLED ST 105 200V	2 h	5 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 105 200V	3 h	5 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM CON

Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection



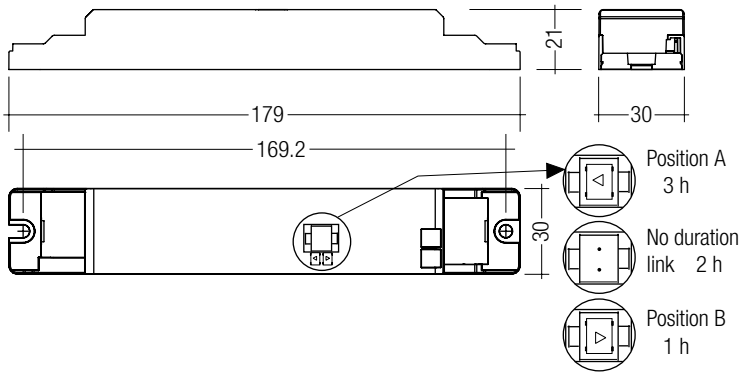
Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 0.3 m CON	**89800276**	25 pc(s).	200 pc(s).	0.005 kg

EM converterLED PRO 200 V

Emergency lighting LED Driver





Note: Supply of LED Driver with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Product description

- LED emergency lighting LED Driver with DALI interface and automatic test function
- For LED modules with a forward voltage of 50 – 200 V
- Low profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- DALI interface for controlled testing and monitoring
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- For 2 h operation: first test 120 min., all other tests 90 min., rated duration
- Compatible with all dimmable and non-dimmable constant current LED Driver (see data sheet)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED Driver
- Automatic shutdown of output if LED load is out of range
- Constant power output
- Maximum light output for all LED modules
- Addressing function, patented (“EZ easy addressing”)
- Bi-colour status display LED
- Electronic multi-level charge system
- “Rest mode” function
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, 1 h rated duration)	0.45
Typ. λ (at 230 V, 50 Hz, 2/3 h rated duration)	0.5
Forward voltage range LED module	50 – 200 V
Output current	see data sheet
Time to light	< 0.25 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Max. output voltage	250 V
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM converterLED PRO 104 200V	**89800312**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 200V	**89800313**	1/2/3 h	5	10 pc(s).	800 pc(s).	0.08 kg

→

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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously	Initial charge	Fast recharge	Trickle charge
EM converterLED PRO 104 200V	1 h	4 W	20 mA	25 mA	17 mA	3.0 W	3.0 W	1.7 W
EM converterLED PRO 104 200V	2 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 200V	3 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 105 200V	1 h	5 W	20 mA	25 mA	17 mA	3.0 W	3.5 W	1.7 W
EM converterLED PRO 105 200V	2 h	5 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 105 200V	3 h	5 W	30 mA	35 mA	20 mA	4.5 W	4.8 W	2.5 W

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM CON

Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 0.3 m CON	**89800276**	25 pc(s).	200 pc(s).	0.005 kg

RoHS

ACCES-SORIES

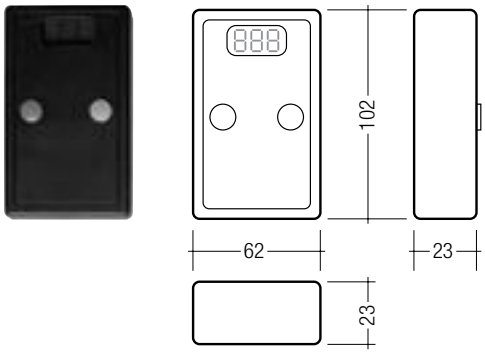
Addressing tool

Product description

- Provides simple addressing for the EM PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

SELV RoHS

EM powerLED BASIC 1 – 2 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver for manual testing
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Mains and emergency operation
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Green charge status display LED
- Output power limitation
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Batteries

- High-temperature cells 2 Ah
- NiMH batteries
- Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

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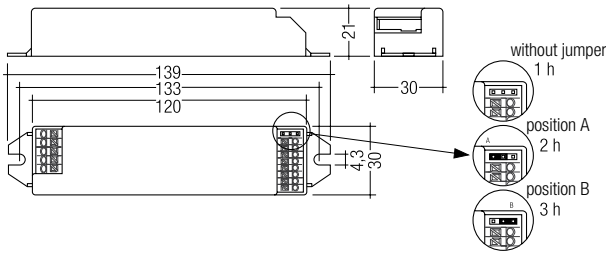
For wiring diagrams and installation examples see data sheet



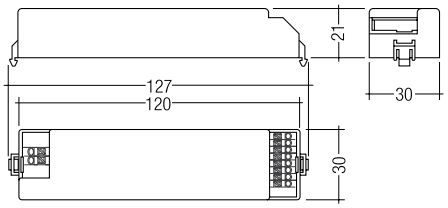
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Mains current, 1 W device	30 mA
Mains current, 2 W device	40 mA
Power in mains operation, 1 W device	3.5 W
Power in mains operation, 2 W device	5 W
Time to light	0.31 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	see data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +50 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 1 W BASIC SCREW-FIX	**89899858**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W BASIC SCREW-FIX	**89899859**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W
Clip fastening version						
EM powerLED 1 W BASIC CLIP-FIX	**89899865**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W BASIC CLIP-FIX	**89899866**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz) ①	Mains current in charging operation			Mains power in charging operation		
			Initial charge ①	Fast recharge ①	Trickle charge, continuously ①	Initial charge ②	Fast recharge ②	Trickle charge ②
EM powerLED 1 W BASIC SCREW-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W BASIC SCREW-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W BASIC SCREW-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC SCREW-FIX	1 h	0.57	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC SCREW-FIX	2 h	0.57	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W BASIC SCREW-FIX	3 h	0.57	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W
EM powerLED 1 W BASIC CLIP-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W BASIC CLIP-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W BASIC CLIP-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC CLIP-FIX	1 h	0.57	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W BASIC CLIP-FIX	2 h	0.57	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W BASIC CLIP-FIX	3 h	0.57	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W

① Maintained operation
② Non-maintained operation

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

SELV RoHS

EM powerLED SELFTEST 1 – 2 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with self-test function
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Mains and emergency operation
- Self-test as per IEC 62034
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- „Rest mode“ function
- Simple set-up
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells 2 Ah
- NiMH batteries
- Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

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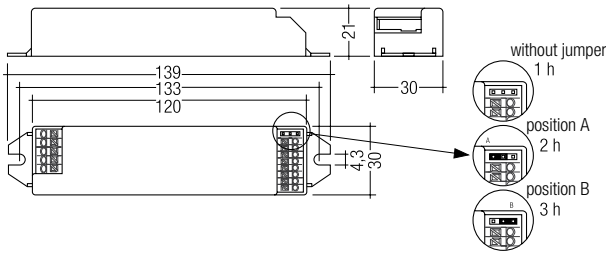
For wiring diagrams and installation examples see data sheet



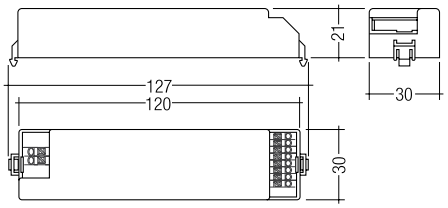
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Mains current, 1 W device	30 mA
Mains current, 2 W device	40 mA
Power in mains operation, 1 W device	3.5 W
Power in mains operation, 2 W device	5 W
Time to light	0.31 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	see data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +50 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 1 W ST SCREW-FIX	**89899860**	25 pc(s).	600 pc(s).	0.101 kg	1	1.2 W
EM powerLED 2 W ST SCREW-FIX	**89899861**	25 pc(s).	600 pc(s).	0.101 kg	2	2.0 W
Clip fastening version						
EM powerLED 1 W ST CLIP-FIX	**89899867**	25 pc(s).	600 pc(s).	0.101 kg	1	1.2 W
EM powerLED 2 W ST CLIP-FIX	**89899868**	25 pc(s).	600 pc(s).	0.101 kg	2	2.0 W

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz) ①	Mains current in charging operation			Mains power in charging operation		
			Initial charge ①	Fast recharge ①	Trickle charge, continuously ①	Initial charge ②	Fast recharge ②	Trickle charge ②
EM powerLED 1 W ST SCREW-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W ST SCREW-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W ST SCREW-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST SCREW-FIX	1 h	0.57	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST SCREW-FIX	2 h	0.57	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W ST SCREW-FIX	3 h	0.57	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W
EM powerLED 1 W ST CLIP-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W ST CLIP-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W ST CLIP-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST CLIP-FIX	1 h	0.57	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W ST CLIP-FIX	2 h	0.57	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W ST CLIP-FIX	3 h	0.57	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W

① Maintained operation
② Non-maintained operation

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM

Product description

- Bi-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	200 pc(s).	0.013 kg

SELV DALI RoHS

EM powerLED PRO EZ-3, 1 – 2 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Mains and emergency operation
- DALI interface for controlled testing and monitoring
- DALI switchable in mains operation (on/off); the switched phase SL must be switched on
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Addressing function, patented („EZ easy addressing“)
- Emergency lighting LEDs available

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells 2 Ah
- NiMH batteries
- Cs cells

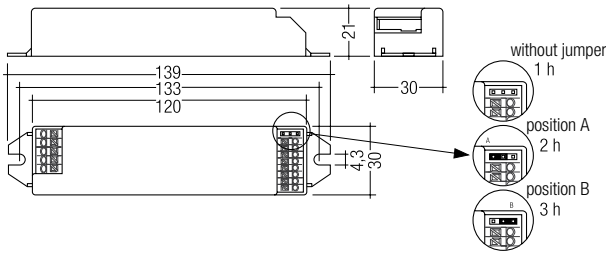
→ For product data sheet go to www.tridonic.com, or available on request



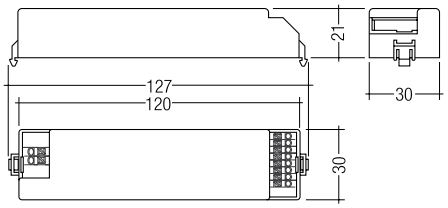
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
Mains current, 1 W device	30 mA
Mains current, 2 W device	40 mA
Power in mains operation, 1 W device	3.5 W
Power in mains operation, 2 W device	5 W
Time to light	0.31 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	see data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +50 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Standards, page 376

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For wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 1 W PRO EZ-3 SCREW-FIX	**89800029**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	**89800030**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W
Clip fastening version						
EM powerLED 1 W PRO EZ-3 CLIP-FIX	**89800031**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	**89800032**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz) ①	Mains current in charging operation			Mains power in charging operation		
			Initial charge ①	Fast recharge ①	Trickle charge, continuously ①	Initial charge ②	Fast recharge ②	Trickle charge ②
EM powerLED 1 W PRO EZ-3 SCREW-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W PRO EZ-3 SCREW-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W PRO EZ-3 SCREW-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	1 h	0.57	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	2 h	0.57	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W PRO EZ-3 SCREW-FIX	3 h	0.57	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W
EM powerLED 1 W PRO EZ-3 CLIP-FIX	1 h	0.52	15.4 mA	17.9 mA	13.9 mA	1.3 W	1.6 W	1.1 W
EM powerLED 1 W PRO EZ-3 CLIP-FIX	2 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 1 W PRO EZ-3 CLIP-FIX	3 h	0.52	14.2 mA	17.6 mA	11.8 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	1 h	0.57	14.3 mA	17.3 mA	11.7 mA	1.1 W	1.6 W	0.8 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	2 h	0.57	15.7 mA	20.4 mA	12.8 mA	1.4 W	2.0 W	0.9 W
EM powerLED 2 W PRO EZ-3 CLIP-FIX	3 h	0.57	18.4 mA	23.3 mA	14.5 mA	1.7 W	2.4 W	1.2 W

① Maintained operation
② Non-maintained operation

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM

Product description

- Bi-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-SORIES

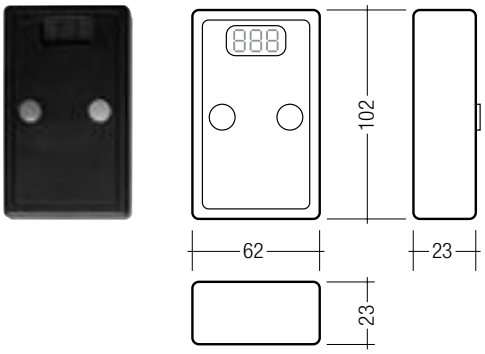
Addressing tool

Product description

- Provides simple addressing for the EM PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

SELV RoHS

EM powerLED NM BASIC 1 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver for manual testing
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 3 h rated duration
- Green charge status display LED
- Electronic charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available
- Optional test switch

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- Cs cells
- Blade terminals for simple connection

→ For product data sheet go to www.tridonic.com, or available on request

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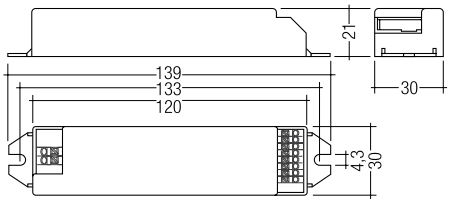
For wiring diagrams and installation examples see data sheet



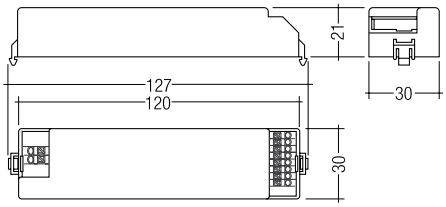
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module	2.8 – 3.4 V
Mains current	15 mA
Mains power in charging operation	1.3 W
LED current in emergency operation	320 mA
Time to light	0.43 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Charge current	120 mA
Battery discharge current	see data sheet
Number of cells	3
Max. casing temperature tc	70 °C
Ambient temperature ta	0 ... +60 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Clip fastening version						
EM powerLED NM 1W BASIC	**89800111**	25 pc(s).	600 pc(s).	0.05 kg	1	1 W
Screw fastening version						
EM powerLED NM 1W BASIC	**89800112**	25 pc(s).	600 pc(s).	0.05 kg	1	1 W

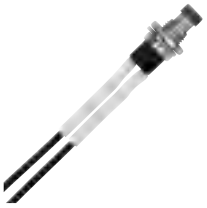
RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

SELV RoHS

EM powerLED BASIC 4 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver for manual testing
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Green charge status display LED
- Output power limitation
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Batteries

- High-temperature cells
- NiCd or NiMH batteries

→ For product data sheet go to www.tridonic.com, or available on request

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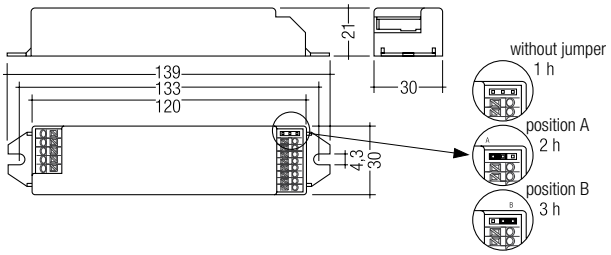
For wiring diagrams and installation examples see data sheet



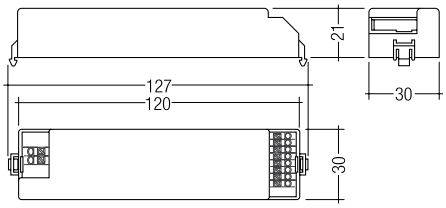
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
LED current in emergency operation (1 x LED)	1,000 mA
LED current in emergency operation (2 x LED)	700 mA
Típ. potencia de salida (1 x LED)	3.4 W
Típ. potencia de salida (2 x LED)	4.5 W
Time to light	0.23 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	see data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +45 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 4 W BASIC SCREW-FIX	**89800122**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	**89800444**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
Clip fastening version						
EM powerLED 4 W BASIC CLIP-FIX	**89800121**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously ①	Initial charge	Fast recharge	Trickle charge ①
EM powerLED 4 W BASIC SCREW-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W BASIC SCREW-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W BASIC SCREW-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	1 h	0.34	19.0 mA	24.0 mA	13.0 mA	1.7 W	2.4 W	1.0 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	2 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W BASIC NiMH SCREW-FIX	3 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W BASIC CLIP-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W BASIC CLIP-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W BASIC CLIP-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W

① For EM powerLED 4 W NiMH: average over 20 min. (4 min. charge / 16 min. off)

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

SELV RoHS

EM powerLED SELFTEST 4 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with selftest function
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- Self-test as per IEC 62034
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- "Rest mode" function
- Simple set-up
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Self-test:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries

→ For product data sheet go to www.tridonic.com, or available on request

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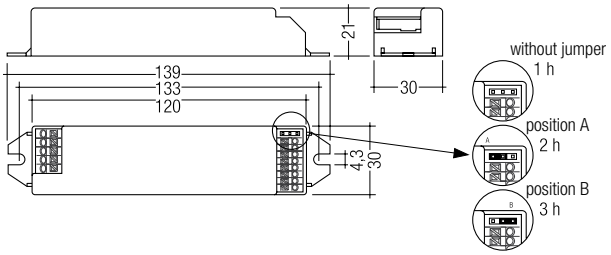
For wiring diagrams and installation examples see data sheet



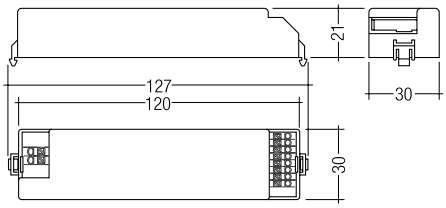
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
LED current in emergency operation (1 x LED)	1,000 mA
LED current in emergency operation (2 x LED)	700 mA
Típ. potencia de salida (1 x LED)	3.4 W
Típ. potencia de salida (2 x LED)	4.5 W
Time to light	0.23 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	see data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +45 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m
Functional test	Weekly 5s test
Service life test	Yearly 1 h / 2 h / 3 h test

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 4 W ST SCREW-FIX	**89800124**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
EM powerLED 4 W ST NiMH SCREW-FIX	**89800445**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
Clip fastening version						
EM powerLED 4 W ST CLIP-FIX	**89800123**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously ①	Initial charge	Fast recharge	Trickle charge ①
EM powerLED 4 W ST SCREW-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W ST SCREW-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W ST SCREW-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W ST NiMH SCREW-FIX	1 h	0.34	19.0 mA	24.0 mA	13.0 mA	1.7 W	2.4 W	1.0 W
EM powerLED 4 W ST NiMH SCREW-FIX	2 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W ST NiMH SCREW-FIX	3 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W ST CLIP-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W ST CLIP-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W ST CLIP-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W

① For EM powerLED 4 W NiMH: average over 20 min. (4 min. charge / 16 min. off)

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM

Product description

- Bi-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	200 pc(s).	0.013 kg

SELV

EM powerLED PRO EZ-3, 4 W

Combined emergency lighting LED Driver 1 – 4 W

Product description

- Emergency lighting LED Driver with DALI interface and automatic test function
- SELV for output voltage < 60 V DC
- Low-profile casing (21 x 30 mm cross-section)

Properties

- Non maintained operation
- DALI interface for controlled testing and monitoring
- Constant current mode
- With either screw or clip fastening (clip-fix)
- 1, 2 or 3 h rated duration
- Selectable operating time (jumper)
- Output power limitation
- Two-colour status display LED
- Automatic restart after LED replacement
- Electronic multi-level charge system
- SELV classified (outputs powerLED, battery, status LED, test switch)
- Polarity reversal protection for battery
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Addressing function, patented (“EZ easy addressing”)
- Emergency lighting LEDs available

Tests:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells
- NiCd or NiMH batteries

→ For product data sheet go to www.tridonic.com, or available on request

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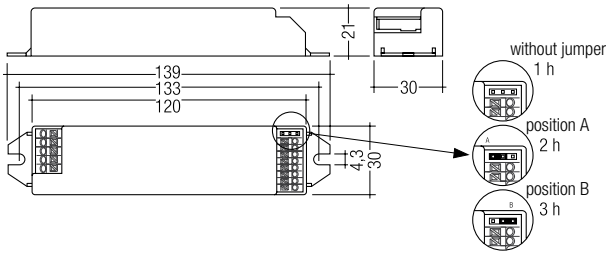
For wiring diagrams and installation examples see data sheet



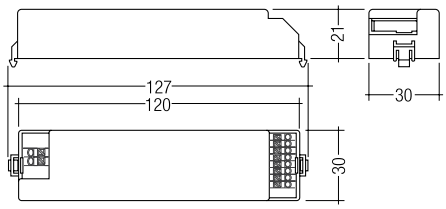
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Forward voltage range LED module (1 x LED)	2.8 – 3.4 V
Forward voltage range LED module (2 x LED)	5.6 – 6.8 V
LED current in emergency operation (1 x LED)	1,000 mA
LED current in emergency operation (2 x LED)	700 mA
Típ. potencia de salida (1 x LED)	3.4 W
Típ. potencia de salida (2 x LED)	4.5 W
Time to light	0.23 s from detection of emergency event
Overvoltage protection	320 V (for 1 h)
Battery discharge current	see data sheet
Max. casing temperature tc	70 °C
Ambient temperature ta	-25 ... +45 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 4 W PRO EZ-3 SCREW-FIX	**89800126**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
EM powerLED 4 W PRO NiMH SCREW-FIX	**89800446**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
Clip fastening version						
EM powerLED 4 W PRO EZ-3 CLIP-FIX	**89800125**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W

Specific technical data

Type	Rated duration	Typ. λ (at 230 V, 50 Hz)	Mains current in charging operation			Mains power in charging operation		
			Initial charge	Fast recharge	Trickle charge, continuously ①	Initial charge	Fast recharge	Trickle charge ①
EM powerLED 4 W PRO EZ-3 SCREW-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W PRO EZ-3 SCREW-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W PRO EZ-3 SCREW-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W PRO NiMH SCREW-FIX	1 h	0.34	19.0 mA	24.0 mA	13.0 mA	1.7 W	2.4 W	1.0 W
EM powerLED 4 W PRO NiMH SCREW-FIX	2 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W PRO NiMH SCREW-FIX	3 h	0.34	30.0 mA	32.0 mA	13.0 mA	3.1 W	3.3 W	1.1 W
EM powerLED 4 W PRO EZ-3 CLIP-FIX	1 h	0.34	21.0 mA	27.5 mA	15.2 mA	2.0 W	3.0 W	1.2 W
EM powerLED 4 W PRO EZ-3 CLIP-FIX	2 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W
EM powerLED 4 W PRO EZ-3 CLIP-FIX	3 h	0.34	27.5 mA	32.4 mA	21.0 mA	3.0 W	3.7 W	2.0 W

① For EM powerLED 4 W NiMH: average over 20 min. (4 min. charge / 16 min. off)

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM

Product description

- Bi-colour status display LED
- Green: system OK, red: fault



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	200 pc(s).	0.013 kg

RoHS

ACCES-SORIES

Addressing tool

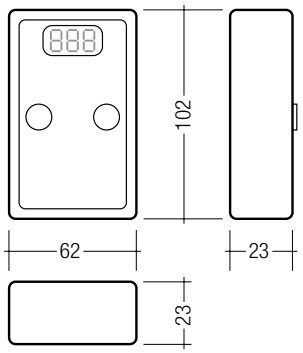
Product description

- Provides simple addressing for the EM PRO units
- Uses the bi-colour LED for device identification

Properties

- Takes standard 9 V battery
- Easy two button operation
- Belt clip
- Auto power off to conserve battery
- Bright 7 segment LED display





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

EM powerLED BASIC FX 80 W

Combined emergency lighting LED Driver 15 – 80 W

Product description

- Fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use with single batteries for manual testing
- For LED modules with a forward voltage of 50 – 200 V
- For luminaire installation
- Low profile casing (21 x 30 mm cross-section)

Properties

- 25 – 80 W output power
- Constant current LED operation
- 150 – 500 mA output current in mains operation selectable with I-SELECT PLUG in steps of 25 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated emergency lighting unit
- 1 or 3 h rated duration selectable with plug (duration link)
- Standard or High output selectable with plug (output link)
- Automatic shutdown of output if LED load is out of range
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

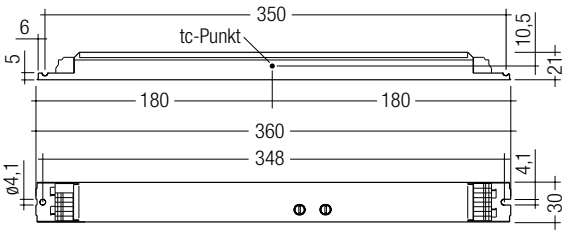
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Batteries, page 456

For wiring diagrams and installation examples see data sheet





Note: LED Driver supplied with duration link in 3 hours position and standard/high output link in standard output position. Remove duration link for 1 hour duration. Remove standard/high output link for high output configuration. Duration link, standard/high output link and I-SELECT PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.97
Typ. λ (at 230 V, 50 Hz, CF operation)	0.65
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Max. open circuit voltage	250 V
Time to light	< 0.5 s from detection of emergency event
Typ. power consumption in charging	4 W
LF output current ripple (< 300 Hz)	< 2 %
Output current tolerance	± 7 %
THD normal operation	< 10 %
THD CF operation	< 25 %
Ambient temperature ta ≤ 65 W	-5 ... +55 °C
Ambient temperature ta > 65 W	-5 ... +50 °C
Max. casing temperature tc	80 °C
Dimensions LxBxH	360 x 30 x 21 mm
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Charge current 1 h	100 mA
Charge current 3 h	200 mA
Discharge current 1 h	840 mA
Discharge current 3 h	840 mA

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED BASIC FX 104 LP 80W 200V	**89800393**	1/3 h	4/5	10 pc(s).	600 pc(s).	0.275 kg

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz) [1]	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta [2]	tc/ta for ≥ 50.000 h [2]	I-select resistor value
Normal operation													
EM powerLED BASIC FX 104 LP 80W 200V	–	150 mA	168 V	200 V	25 W	29.0 W	35.5 W	178 mA	81 %	0.87	-5 … +55 °C	78 / 55 °C	open
	–	175 mA	142 V	200 V	25 W	34.0 W	41.5 W	203 mA	84 %	0.89	-5 … +55 °C	78 / 55 °C	64.90 kΩ
	–	200 mA	126 V	200 V	25 W	39.0 W	46.0 W	223 mA	85 %	0.90	-5 … +55 °C	78 / 55 °C	56.00 kΩ
	–	225 mA	111 V	200 V	25 W	44.0 W	51.5 W	244 mA	86 %	0.91	-5 … +55 °C	78 / 55 °C	48.70 kΩ
	–	250 mA	100 V	200 V	25 W	49.0 W	57.0 W	268 mA	87 %	0.92	-5 … +55 °C	78 / 55 °C	43.20 kΩ
	–	275 mA	90 V	200 V	25 W	55.0 W	62.5 W	292 mA	88 %	0.93	-5 … +55 °C	78 / 55 °C	36.50 kΩ
	–	300 mA	83 V	200 V	25 W	60.0 W	68.0 W	315 mA	88 %	0.93	-5 … +55 °C	78 / 55 °C	32.40 kΩ
	–	325 mA	76 V	200 V	25 W	63.5 W	72.0 W	332 mA	88 %	0.94	-5 … +55 °C	78 / 55 °C	28.70 kΩ
	–	350 mA	70 V	200 V	25 W	69.5 W	78.5 W	359 mA	89 %	0.94	-5 … +50 °C	78 / 50 °C	22.00 kΩ
	–	375 mA	67 V	200 V	25 W	75.0 W	84.0 W	383 mA	89 %	0.95	-5 … +50 °C	78 / 50 °C	17.80 kΩ
	–	400 mA	62 V	200 V	25 W	80.0 W	89.5 W	410 mA	89 %	0.95	-5 … +50 °C	78 / 50 °C	15.00 kΩ
	–	425 mA	59 V	190 V	25 W	80.0 W	91.0 W	413 mA	89 %	0.95	-5 … +50 °C	78 / 50 °C	12.10 kΩ
	–	450 mA	56 V	175 V	25 W	80.0 W	89.0 W	408 mA	89 %	0.96	-5 … +50 °C	78 / 50 °C	9.30 kΩ
	–	475 mA	51 V	170 V	25 W	80.0 W	91.0 W	414 mA	89 %	0.96	-5 … +50 °C	78 / 50 °C	6.49 kΩ
	–	500 mA	50 V	160 V	25 W	80.0 W	90.0 W	411 mA	89 %	0.95	-5 … +50 °C	78 / 50 °C	short circuit (0 Ω)
CF operation													
EM powerLED BASIC FX 104 LP 80W 200V	–	14 mA	168 V	200 V	2.4 W	2.6 W	4.5 W	79 mA	60 %	0.25	–	–	open
	–	17 mA	142 V	200 V	2.4 W	3.3 W	5.6 W	85 mA	67 %	0.28	–	–	64.90 kΩ
	–	19 mA	126 V	200 V	2.4 W	3.1 W	5.4 W	81 mA	67 %	0.29	–	–	56.00 kΩ
	–	23 mA	111 V	200 V	2.6 W	4.0 W	6.4 W	89 mA	71 %	0.31	–	–	48.70 kΩ
	–	23 mA	100 V	200 V	2.3 W	4.0 W	6.4 W	88 mA	71 %	0.32	–	–	43.20 kΩ
	–	28 mA	90 V	200 V	2.5 W	4.6 W	7.1 W	90 mA	75 %	0.34	–	–	36.50 kΩ
	–	28 mA	83 V	200 V	2.3 W	4.6 W	7.1 W	90 mA	75 %	0.34	–	–	32.40 kΩ
	–	32 mA	76 V	200 V	2.4 W	5.5 W	8.1 W	92 mA	78 %	0.38	–	–	28.70 kΩ
	–	32 mA	70 V	200 V	2.2 W	5.3 W	8.3 W	93 mA	78 %	0.38	–	–	22.00 kΩ
	–	36 mA	67 V	200 V	2.4 W	6.2 W	9.1 W	95 mA	74 %	0.41	–	–	17.80 kΩ
	–	42 mA	62 V	200 V	2.6 W	6.9 W	9.2 W	98 mA	70 %	0.44	–	–	15.00 kΩ
	–	42 mA	59 V	188 V	2.5 W	6.4 W	9.5 W	94 mA	70 %	0.43	–	–	12.10 kΩ
	–	45 mA	56 V	177 V	2.5 W	6.8 W	9.9 W	97 mA	70 %	0.44	–	–	9.30 kΩ
	–	46 mA	51 V	169 V	2.3 W	6.5 W	9.6 W	97 mA	70 %	0.43	–	–	6.49 kΩ
	–	50 mA	50 V	160 V	2.5 W	6.8 W	10.0 W	98 mA	70 %	0.44	–	–	short circuit (0 Ω)
Emergency operation													
EM powerLED BASIC FX 104 LP 80W 200V	4	see data sheet	50 V	200 V	3.00 W	3.85 W	–	–	–	–	–	–	–
	5		50 V	200 V	3.80 W	4.90 W	–	–	–	–	–	–	–

[1] Efficiency without battery charging

[2] Ambient temperature range ta defined in normal operation

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

RoHS

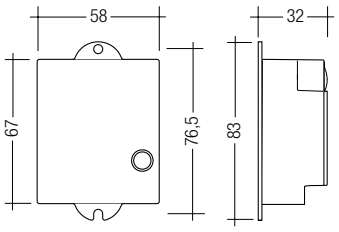
ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- "Bright-Out" function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the "Bright-Out" function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

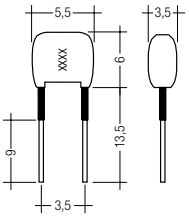
ACCES-SORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging, bag	Weight per pc.
I-SELECT PLUG E	**28000612**	Green	0R	0.00 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000616**	Green	6k49	6.49 kΩ	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000617**	Green	9k3	9.30 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000618**	Green	12k1	12.10 kΩ	425 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000619**	Green	15k	15.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000620**	Green	17k8	17.80 kΩ	375 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000621**	Green	22k	22.00 kΩ	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000622**	Green	28k7	28.70 kΩ	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000623**	Green	32k4	32.40 kΩ	300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000624**	Green	36k5	36.50 kΩ	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000625**	Green	43k2	43.20 kΩ	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000626**	Green	48k7	48.70 kΩ	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000627**	Green	56k	56.00 kΩ	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000628**	Green	64k9	64.90 kΩ	175 mA	10 pc(s).	0.001 kg

SELV RoHS

EM powerLED BASIC 50 W 4x300/350 mA

Combined emergency lighting LED Driver 15 – 80 W

Product description

- LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting funtion for manual testing
- 4 channels in mains operation and 1 channel in emergency operation
- SELV for output voltage < 60 V DC
- For luminaire installation
- For the use with STARK QLE G2 CLASSIC and LLE 24-280-1250

Properties

- Constant current LED Driver with 4 x 300 mA or 4 x 350 mA output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated emergency lighting LED Driver
- 1 or 3 h rated duration selectable with plug (duration link)
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- 5-year guarantee

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D, Cs or 7/5 Cs cells

→ For product data sheet go to www.tridonic.com, or available on request

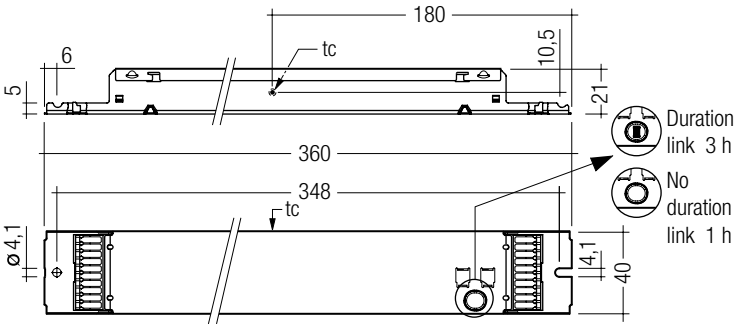
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For wiring diagrams and installation examples see data sheet





Note: Supply of LED Driver with duration link in 3 hours position. Remove duration link for duration of 1 h. Duration link must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.97
Typ. λ (at 230 V, 50 Hz, CF operation)	0.75
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Max. forward voltage Vf LED module	37.4 V
Min. forward voltage Vf LED module	28 V
Max. output voltage	60 V
Time to light	0.3 s from detection of emergency event
Typ. power input on stand-by ①	3.75 W
Output current ripple	± 25 %
Output current tolerance	-9 / +7 %
Max. repetitive output peak current	Output current + 32 %
Max. non-repetitive output peak current	Output current + 32 %
THD CF normal operation	12 %
THD CF operation	13 %
Ambient temperature ta	0 ... +50 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	360 x 40 x 21 mm
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED 4x300mA 103 BASIC	**89800291**	1/3 h	3	10 pc(s).	600 pc(s).	0.308 kg
EM powerLED 4x300mA 104 BASIC	**89800292**	1/3 h	4	10 pc(s).	600 pc(s).	0.308 kg
EM powerLED 4x300mA 134 NICD BASIC	**89800293**	3 h	4	10 pc(s).	600 pc(s).	0.308 kg
EM powerLED 4x350mA 103 BASIC	**89800260**	1/3 h	3	10 pc(s).	600 pc(s).	0.308 kg
EM powerLED 4x350mA 104 BASIC	**89800261**	1/3 h	4	10 pc(s).	600 pc(s).	0.308 kg
EM powerLED 4x350mA 134 NICD BASIC	**89800262**	3 h	4	10 pc(s).	600 pc(s).	0.308 kg

Specific technical data

Type	Article number	Number of cells	Rated duration	Mains power	Mains current	Efficiency	Typ. output power	Typ. output current
Normal operation								
EM powerLED 4x300mA 103 BASIC	89800291	3	1/3 h	49 W	240 mA	85 %	40.0 W	300 mA
EM powerLED 4x300mA 104 BASIC	89800292	4	1/3 h	49 W	240 mA	85 %	40.0 W	300 mA
EM powerLED 4x300mA 134 NICD BASIC	89800293	4	3 h	48 W	235 mA	85 %	40.0 W	300 mA
EM powerLED 4x350mA 103 BASIC	89800260	3	1/3 h	56 W	250 mA	85 %	46.0 W	350 mA
EM powerLED 4x350mA 104 BASIC	89800261	4	1/3 h	56 W	250 mA	85 %	46.0 W	350 mA
EM powerLED 4x350mA 134 NICD BASIC	89800262	4	3 h	55 W	245 mA	85 %	46.0 W	350 mA
CF operation								
EM powerLED 4x300mA 103 BASIC	89800291	3	1/3 h	12 W	70 mA	45 %	4.6 W	42 mA
EM powerLED 4x300mA 104 BASIC	89800292	4	1/3 h	12 W	70 mA	45 %	4.6 W	42 mA
EM powerLED 4x300mA 134 NICD BASIC	89800293	4	3 h	12 W	70 mA	45 %	4.6 W	42 mA
EM powerLED 4x350mA 103 BASIC	89800260	3	1/3 h	12 W	70 mA	45 %	4.6 W	42 mA
EM powerLED 4x350mA 104 BASIC	89800261	4	1/3 h	12 W	70 mA	45 %	4.6 W	42 mA
EM powerLED 4x350mA 134 NICD BASIC	89800262	4	3 h	12 W	70 mA	45 %	4.6 W	42 mA
Emergency operation								
EM powerLED 4x300mA 103 BASIC	89800291	3	1/3 h	–	–	–	2.2 W	65 mA
EM powerLED 4x300mA 104 BASIC	89800292	4	1/3 h	–	–	–	2.9 W	95 mA
EM powerLED 4x300mA 134 NICD BASIC	89800293	4	3 h	–	–	–	1.2 W	36 mA
EM powerLED 4x350mA 103 BASIC	89800260	3	1/3 h	–	–	–	2.2 W	65 mA
EM powerLED 4x350mA 104 BASIC	89800261	4	1/3 h	–	–	–	2.9 W	95 mA
EM powerLED 4x350mA 134 NICD BASIC	89800262	4	3 h	–	–	–	1.2 W	36 mA

① Battery charging power

RoHS

ACCES-SORIES

Test switch EM3

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 3	**89899956**	25 pc(s).	200 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED EM CON

Product description

- A green LED indicates that charging current is flowing into the battery
- 0.3 / 1.0 m cable length
- Plug connection



Ordering data

Typ	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green 1.0 m	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

RoHS

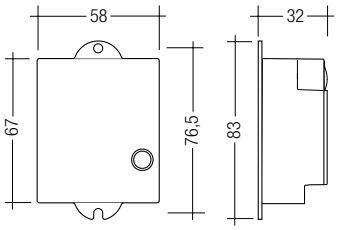
ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

SELV RoHS

NEW

EM powerLED BASIC FX C 50 W

Combined emergency lighting LED Driver 15 – 80 W

Product description

- Fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use with single batteries for manual testing
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- For luminaire installation
- Compact plastic casing (183 x 82 x 34 mm)

Properties

- 15 – 50 W output power
- Constant current LED operation
- 300 – 1,400 mA output current in mains operation selectable with I-SELECT PLUG in steps of 50 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated emergency lighting unit
- 1 or 3 h rated duration selectable with plug (duration link)
- Automatic shutdown of output if LED load is out of range
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D-, Cs- or 7/5 Cs cells
- Battery box for independent use

→ For product data sheet go to www.tridonic.com, or available on request

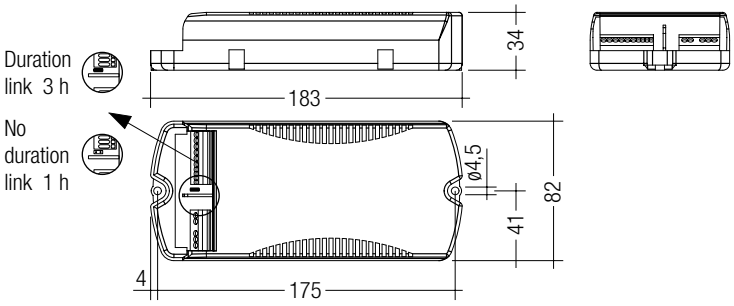
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Batteries, page 456

For wiring diagrams and installation examples see data sheet





Note: LED Driver supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. Duration link and I-SELECT PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Typ. λ (at 230 V, 50 Hz, CF operation)	0.45
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Max. open circuit voltage	60 V
Time to light	< 0.5 s from detection of emergency event
Typ. power consumption in charging	3.5 W
LF output current ripple (< 300 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
THD CF operation	< 30 %
Ambient temperature ta > 45 W	50 °C
Ambient temperature ta ≤ 45 W	55 °C
Max. casing temperature tc	85 °C
Dimensions LxBxH	183 x 82 x 34 mm
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Charge current 1 h	100 mA
Charge current 3 h	200 mA
Discharge current 1 h	960 mA
Discharge current 3 h	960 mA

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED BASIC FX 103 C 50W 50V	**89800429**	1/3 h	3	10 pc(s).	400 pc(s).	0.27 kg
EM powerLED BASIC FX 104 C 50W 50V	**89800411**	1/3 h	4	10 pc(s).	400 pc(s).	0.27 kg

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz)	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta [1]	tc/ta for ≥ 50.000 h [1]	I-select resistor value
Normal operation													
EM powerLED BASIC FX 103 / 104 C 50W 50V	–	300 mA	42.8 V	50.0 V	12.8 W	15.0 W	20 W	110 mA	74	0.80	-5 ... 55 °C	85 / 55 °C	open
	–	350 mA	42.8 V	50.0 V	15.0 W	17.5 W	22 W	120 mA	79	0.80	-5 ... 55 °C	85 / 55 °C	69.80 kΩ
	–	400 mA	37.5 V	50.0 V	15.0 W	20.0 W	25 W	130 mA	79	0.85	-5 ... 55 °C	85 / 55 °C	62.00 kΩ
	–	450 mA	33.3 V	50.0 V	15.0 W	22.5 W	27 W	140 mA	82	0.85	-5 ... 55 °C	85 / 55 °C	56.00 kΩ
	–	500 mA	30.0 V	50.0 V	15.0 W	25.0 W	31 W	150 mA	81	0.90	-5 ... 55 °C	85 / 55 °C	48.70 kΩ
	–	550 mA	27.2 V	50.0 V	15.0 W	27.5 W	34 W	165 mA	81	0.90	-5 ... 55 °C	85 / 55 °C	43.20 kΩ
	–	600 mA	25.0 V	50.0 V	15.0 W	30.0 W	36 W	175 mA	83	0.90	-5 ... 55 °C	85 / 55 °C	36.50 kΩ
	–	650 mA	23.1 V	50.0 V	15.0 W	32.5 W	40 W	185 mA	81	0.90	-5 ... 55 °C	85 / 55 °C	28.70 kΩ
	–	700 mA	21.4 V	50.0 V	15.0 W	35.0 W	44 W	200 mA	80	0.95	-5 ... 55 °C	85 / 55 °C	24.00 kΩ
	–	750 mA	20.0 V	50.0 V	15.0 W	37.5 W	46 W	210 mA	82	0.95	-5 ... 55 °C	85 / 55 °C	20.50 kΩ
	–	800 mA	18.8 V	50.0 V	15.0 W	40.0 W	49 W	225 mA	81	0.95	-5 ... 55 °C	85 / 55 °C	18.00 kΩ
	–	850 mA	17.6 V	50.0 V	15.0 W	42.5 W	52 W	235 mA	81	0.95	-5 ... 55 °C	85 / 55 °C	16.00 kΩ
	–	900 mA	16.6 V	50.0 V	15.0 W	45.0 W	55 W	250 mA	82	0.95	-5 ... 55 °C	85 / 55 °C	13.30 kΩ
	–	950 mA	15.7 V	50.0 V	15.0 W	47.5 W	58 W	265 mA	82	0.95	-5 ... 50 °C	85 / 50 °C	11.00 kΩ
	–	1,000 mA	15.0 V	50.0 V	15.0 W	50.0 W	61 W	275 mA	82	0.97	-5 ... 50 °C	85 / 50 °C	9.31 kΩ
	–	1,050 mA	15.0 V	47.6 V	15.0 W	50.0 W	60 W	280 mA	84	0.97	-5 ... 50 °C	85 / 50 °C	7.87 kΩ
	–	1,100 mA	15.0 V	45.5 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 50 °C	85 / 50 °C	6.49 kΩ
	–	1,150 mA	15.0 V	43.5 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 50 °C	85 / 50 °C	4.70 kΩ
	–	1,200 mA	15.0 V	41.7 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 50 °C	85 / 50 °C	3.83 kΩ
	–	1,250 mA	15.0 V	40.0 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 50 °C	85 / 50 °C	2.70 kΩ
	–	1,300 mA	15.0 V	38.5 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 50 °C	85 / 50 °C	2.20 kΩ
	–	1,350 mA	15.0 V	37.0 V	15.0 W	50.0 W	61 W	280 mA	87	0.97	-5 ... 50 °C	85 / 50 °C	1.50 kΩ
	–	1,400 mA	15.0 V	35.0 V	15.0 W	50.0 W	62 W	285 mA	87	0.97	-5 ... 50 °C	85 / 50 °C	short circuit (0 Ω)
CF operation													
EM powerLED BASIC FX 103 / 104 C 50W 50V	–	31 mA	42.8 V	50.0 V	0.9 W	1.6 W	4.0 W	50 mA	50	0.40	–	–	open
	–	49 mA	42.8 V	50.0 V	1.4 W	2.5 W	4.5 W	50 mA	56	0.40	–	–	69.80 kΩ
	–	51 mA	37.5 V	50.0 V	1.3 W	2.6 W	4.5 W	50 mA	56	0.40	–	–	62.00 kΩ
	–	62 mA	33.3 V	50.0 V	1.4 W	3.2 W	5.0 W	55 mA	60	0.40	–	–	56.00 kΩ
	–	62 mA	30.0 V	50.0 V	1.1 W	3.1 W	5.0 W	55 mA	60	0.40	–	–	48.70 kΩ
	–	75 mA	27.2 V	50.0 V	1.3 W	3.8 W	5.0 W	55 mA	70	0.40	–	–	43.20 kΩ
	–	78 mA	25.0 V	50.0 V	1.2 W	3.9 W	5.5 W	55 mA	73	0.45	–	–	36.50 kΩ
	–	88 mA	23.1 V	50.0 V	1.3 W	4.4 W	5.5 W	55 mA	73	0.45	–	–	28.70 kΩ
	–	88 mA	21.4 V	50.0 V	1.2 W	4.4 W	6.0 W	60 mA	75	0.45	–	–	24.00 kΩ
	–	104 mA	20.0 V	50.0 V	1.3 W	5.2 W	6.0 W	60 mA	83	0.45	–	–	20.50 kΩ
	–	113 mA	18.8 V	50.0 V	1.3 W	5.7 W	6.0 W	60 mA	83	0.45	–	–	18.00 kΩ
	–	118 mA	17.6 V	50.0 V	1.3 W	5.9 W	6.5 W	60 mA	85	0.50	–	–	16.00 kΩ
	–	126 mA	16.6 V	50.0 V	1.3 W	6.3 W	6.5 W	60 mA	92	0.50	–	–	13.30 kΩ
	–	132 mA	15.7 V	50.0 V	1.3 W	6.6 W	7.0 W	60 mA	86	0.50	–	–	11.00 kΩ
	–	146 mA	15.0 V	50.0 V	1.5 W	7.3 W	7.0 W	60 mA	86	0.50	–	–	9.31 kΩ
	–	148 mA	15.0 V	47.6 V	1.5 W	7.4 W	7.5 W	65 mA	87	0.55	–	–	7.87 kΩ
	–	160 mA	15.0 V	45.5 V	1.6 W	8.0 W	7.5 W	65 mA	87	0.55	–	–	6.49 kΩ
	–	160 mA	15.0 V	43.5 V	1.6 W	7.6 W	8.0 W	65 mA	88	0.55	–	–	4.70 kΩ
	–	165 mA	15.0 V	41.7 V	1.7 W	7.6 W	8.0 W	65 mA	88	0.55	–	–	3.83 kΩ
	–	165 mA	15.0 V	40.0 V	1.7 W	7.3 W	8.0 W	65 mA	88	0.55	–	–	2.70 kΩ
	–	180 mA	15.0 V	38.5 V	1.8 W	7.6 W	8.0 W	65 mA	88	0.60	–	–	2.20 kΩ
	–	182 mA	15.0 V	37.0 V	1.8 W	7.4 W	8.5 W	65 mA	88	0.60	–	–	1.50 kΩ
	–	182 mA	15.0 V	35.0 V	1.8 W	7.2 W	9.0 W	70 mA	83	0.60	–	–	short circuit (0 Ω)
Emergency operation													
EM powerLED BASIC FX 103 C 50W 50V	3	see data sheet	15 V	50 V	2.1 W	2.75 W	–	–	–	–	–	–	all
EM powerLED BASIC FX 104 C 50W 50V	4	see data sheet	15 V	50 V	2.7 W	3.50 W	–	–	–	–	–	–	all

[1] Ambient temperature range ta defined in normal operation

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking thew device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

RoHS

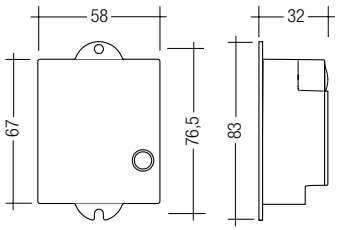
ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

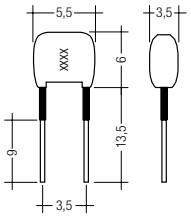
ACCES-SORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	**28000612**	Green	0R	0.00 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001154**	Green	1k5	1.50 kΩ	1.350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001155**	Green	2k2	2.20 kΩ	1.300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001156**	Green	2k7	2.70 kΩ	1.250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001157**	Green	3k83	3.83 kΩ	1.200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001158**	Green	4k7	4.70 kΩ	1.150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000616**	Green	6k49	6.49 kΩ	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001159**	Green	7k87	7.87 kΩ	1.050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000617**	Green	9k3	9.30 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001160**	Green	11k	11.00 kΩ	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001161**	Green	13k3	13.30 kΩ	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001162**	Green	16k	16.00 kΩ	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001163**	Green	18k	18.00 kΩ	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001164**	Green	20k5	20.50 kΩ	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001165**	Green	24k	24.00 kΩ	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000622**	Green	28k7	28.70 kΩ	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000624**	Green	36k5	36.50 kΩ	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000625**	Green	43k2	43.20 kΩ	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000626**	Green	48k7	48.70 kΩ	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000627**	Green	56k	56.00 kΩ	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001166**	Green	62k	62.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001167**	Green	69k8	69.80 kΩ	350 mA	10 pc(s).	0.001 kg

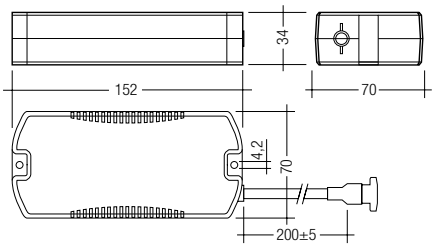
RoHS

ACCES-SORIES

NiCd Battery pack 1.8 – 4.5 Ah

Batteries





Product description

- High-temperature NiCd battery pack for use with emergency lighting LED Driver

Properties

- High-temperature operation
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4 year life-time in operation at max. temperature
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m integrated double-insulated cable with plug
- 0.8 m double-insulated cable with plug for connection with LED Driver
- 1.0 mm^2 solid wire, pre-stripped
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Battery pack 1.8 Ah			
Pack-NiCd 3C CON	**28001221**	5 pc(s).	0.200 kg
Pack-NiCd 4C CON	**28001222**	5 pc(s).	0.250 kg
Battery pack 4.5 Ah			
Pack-NiCd 3D CON	**89800389**	5 pc(s).	0.534 kg
Pack-NiCd 4D CON	**89800390**	5 pc(s).	0.661 kg

SELV RoHS

NEW

EM powerLED BASIC FX SR 50 W

Combined emergency lighting LED Driver 15 – 80 W

Product description

- Independent fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use with single batteries for manual testing
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (209 x 82 x 34 mm) with strain relief

Properties

- 15 – 50 W output power
- Constant current LED operation
- 300 – 1,400 mA output current in mains operation selectable with I-SELECT PLUG in steps of 50 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated emergency lighting unit
- 1 or 3 h rated duration selectable with plug (duration link)
- Automatic shutdown of output if LED load is out of range
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- 5 years guarantee

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- D-, Cs- or 7/5 Cs cells
- Battery box for independent use

→ For product data sheet go to www.tridonic.com, or available on request

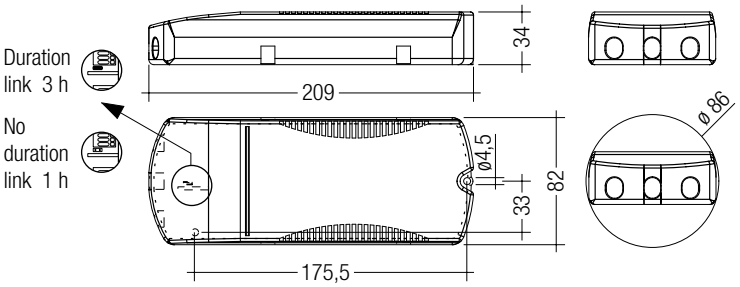
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Batteries, page 456

For wiring diagrams and installation examples see data sheet





Note: LED Driver supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. Duration link and I-SELECT PLUG must be set before battery and mains connection.

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Typ. λ (at 230 V, 50 Hz, CF operation)	0.45
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Max. open circuit voltage	60 V
Time to light	< 0.5 s from detection of emergency event
Typ. power consumption in charging	3.5 W
LF output current ripple (< 300 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
THD CF operation	< 30 %
Ambient temperature ta > 40 W output power	40 °C
Ambient temperature ta ≤ 40 W output power	50 °C
Max. casing temperature tc	80 °C
Dimensions LxBxH	209 x 82 x 34 mm
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20
Charge current 1h	100 mA
Charge current 3h	200 mA
Discharge current 1h	960 mA
Discharge current 3h	960 mA

Ordering data

Type	Article number	Rated duration	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED BASIC FX 103 SR 50W 50V	**89800430**	1/3 h	3	10 pc(s).	400 pc(s).	0.29 kg
EM powerLED BASIC FX 104 SR 50W 50V	**89800412**	1/3 h	4	10 pc(s).	400 pc(s).	0.29 kg

Specific technical data

Type	Number of battery cells	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	Efficiency (at 230 V, 50 Hz)	λ (at 230 V, 50 Hz, full load)	Ambient temperature ta [1]	tc/ta for ≥ 50.000 h [1]	I-select resistor value
Normal operation													
EM powerLED BASIC FX 103 / 104 SR 50W 50V	–	300 mA	42.8 V	50.0 V	12.8 W	15.0 W	20 W	110 mA	74	0.80	-5 ... 50 °C	79 / 50 °C	open
	–	350 mA	42.8 V	50.0 V	15.0 W	17.5 W	22 W	120 mA	79	0.80	-5 ... 50 °C	79 / 50 °C	69.80 kΩ
	–	400 mA	37.5 V	50.0 V	15.0 W	20.0 W	25 W	130 mA	79	0.85	-5 ... 50 °C	79 / 50 °C	62.00 kΩ
	–	450 mA	33.3 V	50.0 V	15.0 W	22.5 W	27 W	140 mA	82	0.85	-5 ... 50 °C	79 / 50 °C	56.00 kΩ
	–	500 mA	30.0 V	50.0 V	15.0 W	25.0 W	31 W	150 mA	81	0.90	-5 ... 50 °C	79 / 50 °C	48.70 kΩ
	–	550 mA	27.2 V	50.0 V	15.0 W	27.5 W	34 W	165 mA	81	0.90	-5 ... 50 °C	79 / 50 °C	43.20 kΩ
	–	600 mA	25.0 V	50.0 V	15.0 W	30.0 W	36 W	175 mA	83	0.90	-5 ... 50 °C	79 / 50 °C	36.50 kΩ
	–	650 mA	23.1 V	50.0 V	15.0 W	32.5 W	40 W	185 mA	81	0.90	-5 ... 50 °C	79 / 50 °C	28.70 kΩ
	–	700 mA	21.4 V	50.0 V	15.0 W	35.0 W	44 W	200 mA	80	0.95	-5 ... 50 °C	79 / 50 °C	24.00 kΩ
	–	750 mA	20.0 V	50.0 V	15.0 W	37.5 W	46 W	210 mA	82	0.95	-5 ... 50 °C	79 / 50 °C	20.50 kΩ
	–	800 mA	18.8 V	50.0 V	15.0 W	40.0 W	49 W	225 mA	81	0.95	-5 ... 50 °C	79 / 50 °C	18.00 kΩ
	–	850 mA	17.6 V	50.0 V	15.0 W	42.5 W	52 W	235 mA	81	0.95	-5 ... 40 °C	76 / 40 °C	16.00 kΩ
	–	900 mA	16.6 V	50.0 V	15.0 W	45.0 W	55 W	250 mA	82	0.95	-5 ... 40 °C	76 / 40 °C	13.30 kΩ
	–	950 mA	15.7 V	50.0 V	15.0 W	47.5 W	58 W	265 mA	82	0.95	-5 ... 40 °C	76 / 40 °C	11.00 kΩ
	–	1,000 mA	15.0 V	50.0 V	15.0 W	50.0 W	61 W	275 mA	82	0.97	-5 ... 40 °C	76 / 40 °C	9.31 kΩ
	–	1,050 mA	15.0 V	47.6 V	15.0 W	50.0 W	60 W	280 mA	84	0.97	-5 ... 40 °C	76 / 40 °C	7.87 kΩ
	–	1,100 mA	15.0 V	45.5 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 40 °C	76 / 40 °C	6.49 kΩ
	–	1,150 mA	15.0 V	43.5 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 40 °C	76 / 40 °C	4.70 kΩ
	–	1,200 mA	15.0 V	41.7 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 40 °C	76 / 40 °C	3.83 kΩ
	–	1,250 mA	15.0 V	40.0 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 40 °C	76 / 40 °C	2.70 kΩ
	–	1,300 mA	15.0 V	38.5 V	15.0 W	50.0 W	60 W	280 mA	88	0.97	-5 ... 40 °C	76 / 40 °C	2.20 kΩ
	–	1,350 mA	15.0 V	37.0 V	15.0 W	50.0 W	61 W	280 mA	87	0.97	-5 ... 40 °C	76 / 40 °C	1.50 kΩ
	–	1,400 mA	15.0 V	35.0 V	15.0 W	50.0 W	62 W	285 mA	87	0.97	-5 ... 40 °C	76 / 40 °C	short circuit (0 Ω)
CF operation													
EM powerLED BASIC FX 103 / 104 SR 50W 50V	–	31 mA	42.8 V	50.0 V	0.9 W	1.6 W	4.0 W	50 mA	50	0.40	–	–	open
	–	49 mA	42.8 V	50.0 V	1.4 W	2.5 W	4.5 W	50 mA	56	0.40	–	–	69.80 kΩ
	–	51 mA	37.5 V	50.0 V	1.3 W	2.6 W	4.5 W	50 mA	56	0.40	–	–	62.00 kΩ
	–	62 mA	33.3 V	50.0 V	1.4 W	3.2 W	5.0 W	55 mA	60	0.40	–	–	56.00 kΩ
	–	62 mA	30.0 V	50.0 V	1.1 W	3.1 W	5.0 W	55 mA	60	0.40	–	–	48.70 kΩ
	–	75 mA	27.2 V	50.0 V	1.3 W	3.8 W	5.0 W	55 mA	70	0.40	–	–	43.20 kΩ
	–	78 mA	25.0 V	50.0 V	1.2 W	3.9 W	5.5 W	55 mA	73	0.45	–	–	36.50 kΩ
	–	88 mA	23.1 V	50.0 V	1.3 W	4.4 W	5.5 W	55 mA	73	0.45	–	–	28.70 kΩ
	–	88 mA	21.4 V	50.0 V	1.2 W	4.4 W	6.0 W	60 mA	75	0.45	–	–	24.00 kΩ
	–	104 mA	20.0 V	50.0 V	1.3 W	5.2 W	6.0 W	60 mA	83	0.45	–	–	20.50 kΩ
	–	113 mA	18.8 V	50.0 V	1.3 W	5.7 W	6.0 W	60 mA	83	0.45	–	–	18.00 kΩ
	–	118 mA	17.6 V	50.0 V	1.3 W	5.9 W	6.5 W	60 mA	85	0.50	–	–	16.00 kΩ
	–	126 mA	16.6 V	50.0 V	1.3 W	6.3 W	6.5 W	60 mA	92	0.50	–	–	13.30 kΩ
	–	132 mA	15.7 V	50.0 V	1.3 W	6.6 W	7.0 W	60 mA	86	0.50	–	–	11.00 kΩ
	–	146 mA	15.0 V	50.0 V	1.5 W	7.3 W	7.0 W	60 mA	86	0.50	–	–	9.31 kΩ
	–	148 mA	15.0 V	47.6 V	1.5 W	7.4 W	7.5 W	65 mA	87	0.55	–	–	7.87 kΩ
	–	160 mA	15.0 V	45.5 V	1.6 W	8.0 W	7.5 W	65 mA	87	0.55	–	–	6.49 kΩ
	–	160 mA	15.0 V	43.5 V	1.6 W	7.6 W	8.0 W	65 mA	88	0.55	–	–	4.70 kΩ
	–	165 mA	15.0 V	41.7 V	1.7 W	7.6 W	8.0 W	65 mA	88	0.55	–	–	3.83 kΩ
	–	165 mA	15.0 V	40.0 V	1.7 W	7.3 W	8.0 W	65 mA	88	0.55	–	–	2.70 kΩ
	–	180 mA	15.0 V	38.5 V	1.8 W	7.6 W	8.0 W	65 mA	88	0.60	–	–	2.20 kΩ
	–	182 mA	15.0 V	37.0 V	1.8 W	7.4 W	8.5 W	65 mA	88	0.60	–	–	1.50 kΩ
	–	182 mA	15.0 V	35.0 V	1.8 W	7.2 W	9.0 W	70 mA	83	0.60	–	–	short circuit (0 Ω)
Emergency operation													
EM powerLED BASIC FX 103 SR 50W 50V	3	see data sheet	15 V	50 V	2.1 W	2.75 W	–	–	–	–	–	–	all
EM powerLED BASIC FX 104 SR 50W 50V	4	see data sheet	15 V	50 V	2.7 W	3.50 W	–	–	–	–	–	–	all

[1] Ambient temperature range ta defined in normal operation

RoHS

ACCES-SORIES

Test switch EM2

Product description

- For connection to the emergency lighting LED Driver
- For checking the device function



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
Test switch EM 2	**89805277**	25 pc(s).	600 pc(s).	0.009 kg

RoHS

ACCES-SORIES

Status indication green LED

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

RoHS

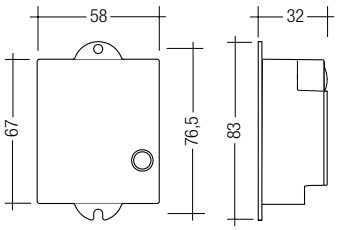
ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

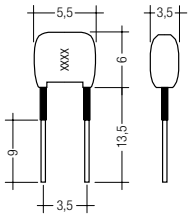
ACCES-SORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

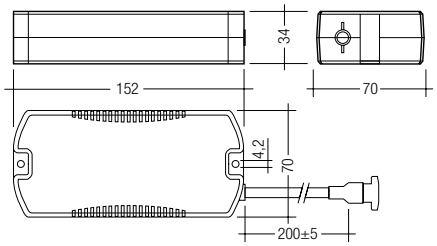
Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	**28000612**	Green	0R	0.00 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001154**	Green	1k5	1.50 kΩ	1.350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001155**	Green	2k2	2.20 kΩ	1.300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001156**	Green	2k7	2.70 kΩ	1.250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001157**	Green	3k83	3.83 kΩ	1.200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001158**	Green	4k7	4.70 kΩ	1.150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000616**	Green	6k49	6.49 kΩ	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001159**	Green	7k87	7.87 kΩ	1.050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000617**	Green	9k3	9.30 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001160**	Green	11k	11.00 kΩ	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001161**	Green	13k3	13.30 kΩ	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001162**	Green	16k	16.00 kΩ	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001163**	Green	18k	18.00 kΩ	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001164**	Green	20k5	20.50 kΩ	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001165**	Green	24k	24.00 kΩ	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000622**	Green	28k7	28.70 kΩ	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000624**	Green	36k5	36.50 kΩ	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000625**	Green	43k2	43.20 kΩ	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000626**	Green	48k7	48.70 kΩ	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000627**	Green	56k	56.00 kΩ	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001166**	Green	62k	62.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001167**	Green	69k8	69.80 kΩ	350 mA	10 pc(s).	0.001 kg

RoHS

ACCES-
SORIES

NiCd Battery pack 1.8 – 4.5 Ah
Batteries





Product description

- High-temperature NiCd battery pack for use with emergency lighting LED Driver

Properties

- High-temperature operation
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4 year life-time in operation at max. temperature
- Certified quality manufacturer
- Casing material made of polycarbonate
- 0.2 m integrated double-insulated cable with plug
- 0.8 m double-insulated cable with plug for connection with LED Driver
- 1.0 mm^2 solid wire, pre-stripped
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22

Ordering data

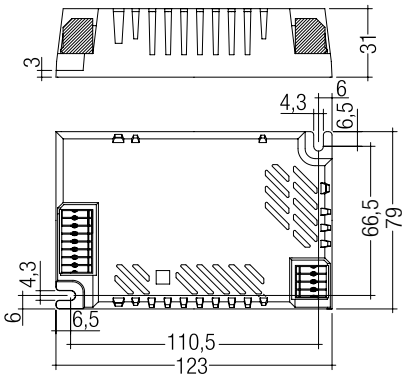
Type	Article number	Packaging, carton	Weight per pc.
Battery pack 1.8 Ah			
Pack-NiCd 3C CON	**28001221**	5 pc(s).	0.200 kg
Pack-NiCd 4C CON	**28001222**	5 pc(s).	0.250 kg
Battery pack 4.5 Ah			
Pack-NiCd 3D CON	**89800389**	5 pc(s).	0.534 kg
Pack-NiCd 4D CON	**89800390**	5 pc(s).	0.661 kg

SELV

EM powerLED BASIC 15 W CLE

Combined emergency lighting LED Driver 15 – 80 W





Product description

- LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting funtion for manual testing
- For luminaire installation
- For the use with STARK CLE 1500 EM

Properties

- Constant current LED Driver with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated 1 W emergency lighting LED Driver for stand-by operation
- 3 h rated duration
- Constant current mode
- Green charge status display LED
- Electronic charge system
- Polarity reversal protection for battery
- Deep discharge protection
- Short-circuit-proof battery connection
- SELV
- Emergency lighting LEDs available
- LED module and sensor available

Batteries

- High-temperature cells
- NiCd or NiMH batteries
- Cs cells
- Blade terminals for simple connection

→ For product data sheet go to www.tridonic.com, or available on request

→

Standards, page 376

Batteries, page 456

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains power in normal operation	18 W
Mains power in CF operation	3 W
Mains current in normal operation	0.1 A
Mains current in CF operation	0.03 A
Typ. λ (at 230 V, 50 Hz, normal operation)	0.8
Typ. λ (at 230 V, 50 Hz, CF operation)	0.5
Typ. efficiency (at 230 V, 50 Hz, normal operation)	82 %
Typ. efficiency (at 230 V, 50 Hz, CF operation)	49 %
Leakage current (PE)	–
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Battery charging current	120 mA
Battery discharge current	see data sheet
Battery cells	3
Max. permitted forward current LED	33 V
Max. permitted forward current emergency LED ①	3.4 V
Turn on time (at 230 V, 50 Hz, full load)	100 ms
Ambient temperature ta	0 ... +55 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	123 x 79 x 31 mm
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED 15W BASIC CLE NIMH	**89800174**	10 pc(s).	560 pc(s).	0.125 kg
EM powerLED 15W BASIC CLE NICD	**89800176**	10 pc(s).	560 pc(s).	0.125 kg

Specific technical data

Type	Typ. output current	Output current tolerance	Output voltage range	Max. output voltage	Typ. output power
Normal operation					
EM powerLED 15W BASIC CLE NIMH	470 mA	5 %	22.0 – 33.0 V	33.0 V	14.25 W
EM powerLED 15W BASIC CLE NICD	470 mA	5 %	22.0 – 33.0 V	33.0 V	14.25 W
CF operation					
EM powerLED 15W BASIC CLE NIMH	43 mA	15 %	22.0 – 33.0 V	33.0 V	1.12 W
EM powerLED 15W BASIC CLE NICD	43 mA	15 %	22.0 – 33.0 V	33.0 V	1.12 W
Emergency operation					
EM powerLED 15W BASIC CLE NIMH	400 mA	5 %	2.5 – 3.4 V	3.4 V	1.32 W
EM powerLED 15W BASIC CLE NICD	320 mA	5 %	2.5 – 3.4 V	3.4 V	1.06 W

① The use of the emergency LED with a higher forward voltage then 3.4 V reduces the operating time.

RoHS

ACCES-SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

RoHS

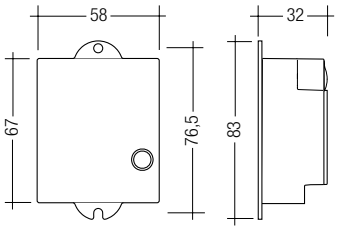
ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

EM powerLED CPS FX 80 W

LED Driver for AC and DC power supplies

Product description

- Fixed-output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use in central battery systems
- For LED modules with a forward voltage of 50 – 200 V
- For luminaire installation
- Low-profile casing (21 x 30 mm cross-section)

Properties

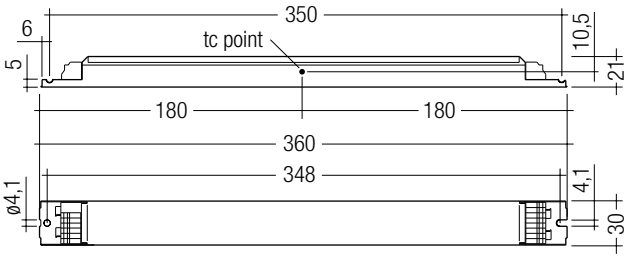
- 25 – 80 W output power
- Constant current LED operation
- 150 – 500 mA output current selectable with I-SELECT PLUG in steps of 25 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- 10 % or 100 % output when connected to DC voltage
- Automatic shutdown of output if LED load is out of range
- For emergency lighting systems as per EN 50172
- 5 years guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Standards, page 376

For wiring diagrams and installation examples see data sheet





Note: I-SELECT PLUG must be set before mains connection.

Technical data

Rated supply voltage	220 – 240 V
Voltage range AC	198 – 264 V
Voltage range DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.97
Typ. λ (at 230 V, 50 Hz, CF operation)	0.65
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Max. open circuit voltage	250 V
Time to light	< 0.5 s
LF output current ripple (< 300 Hz)	< 2 %
Output current tolerance	± 7 %
THD normal operation	< 10 %
THD CF operation	< 25 %
Ambient temperature ta ≤ 65 W	-5 ... +55 °C
Ambient temperature ta > 65 W	-5 ... +50 °C
Max. casing temperature tc	80 °C
Emergency output factor EOFx ①	1
Dimensions LxWxH	360 x 30 x 21 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED CPS FX LP 80W	**89800435**	10 pc(s).	600 pc(s).	0.253 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (230 V, 50 / 0 Hz, full load)	Input current (230 V, 50/0 Hz, full load)	Efficiency (230 V, 50 Hz)	λ (at 230 V, 50/0 Hz, full load)	Ambient temperature ta ②	tc/ta for ≥ 50.000 h ②	I-select resistor value
Normal operation AC / DC (100 %)												
	150 mA	168 V	200 V	25 W	30.5 W	34.5 W	188 / 149 mA	89 %	0.79 / 1	-5 … +55 °C	78 / 55 °C	open
	175 mA	142 V	200 V	25 W	36.0 W	40.0 W	207 / 177 mA	90 %	0.83 / 1	-5 … +55 °C	78 / 55 °C	64.90 kΩ
	200 mA	126 V	200 V	25 W	40.5 W	44.5 W	225 / 206 mA	91 %	0.86 / 1	-5 … +55 °C	78 / 55 °C	56.00 kΩ
	225 mA	111 V	200 V	25 W	45.0 W	49.5 W	246 / 227 mA	91 %	0.87 / 1	-5 … +55 °C	78 / 55 °C	48.70 kΩ
	250 mA	100 V	200 V	25 W	50.0 W	55.0 W	268 / 250 mA	91 %	0.89 / 1	-5 … +55 °C	78 / 55 °C	43.20 kΩ
	275 mA	90 V	200 V	25 W	55.0 W	60.0 W	290 / 267 mA	92 %	0.90 / 1	-5 … +55 °C	78 / 55 °C	36.50 kΩ
	300 mA	83 V	200 V	25 W	60.0 W	65.5 W	313 / 293 mA	92 %	0.91 / 1	-5 … +55 °C	78 / 55 °C	32.40 kΩ
EM powerLED CPS FX LP 80W	325 mA	76 V	200 V	25 W	65.5 W	71.0 W	337 / 309 mA	92 %	0.92 / 1	-5 … +55 °C	78 / 55 °C	28.70 kΩ
	350 mA	70 V	200 V	25 W	70.0 W	75.5 W	355 / 335 mA	92 %	0.93 / 1	-5 … +50 °C	78 / 50 °C	22.00 kΩ
	375 mA	67 V	200 V	25 W	75.0 W	81.0 W	379 / 359 mA	92 %	0.93 / 1	-5 … +50 °C	78 / 50 °C	17.80 kΩ
	400 mA	62 V	200 V	25 W	80.0 W	87.0 W	403 / 383 mA	93 %	0.94 / 1	-5 … +50 °C	78 / 50 °C	15.00 kΩ
	425 mA	59 V	190 V	25 W	80.0 W	88.0 W	407 / 377 mA	92 %	0.94 / 1	-5 … +50 °C	78 / 50 °C	12.10 kΩ
	450 mA	56 V	175 V	25 W	80.0 W	86.0 W	398 / 378 mA	92 %	0.94 / 1	-5 … +50 °C	78 / 50 °C	9.30 kΩ
	475 mA	51 V	170 V	25 W	80.0 W	88.0 W	408 / 387 mA	92 %	0.94 / 1	-5 … +50 °C	78 / 50 °C	6.49 kΩ
	500 mA	50 V	160 V	25 W	80.0 W	87.0 W	405 / 384 mA	92 %	0.94 / 1	-5 … +50 °C	78 / 50 °C	short circuit (0 Ω)
CF operation AC / DC (10 %)												
	14 mA	168 V	200 V	2.4 W	2.6 W	4.5 W	79 / tbd mA	60 %	0.25 / 1	–	–	open
	19 mA	142 V	200 V	2.4 W	3.3 W	5.6 W	85 / tbd mA	67 %	0.28 / 1	–	–	64.90 kΩ
	19 mA	126 V	200 V	2.4 W	3.1 W	5.4 W	81 / tbd mA	67 %	0.29 / 1	–	–	56.00 kΩ
	24 mA	111 V	200 V	2.6 W	4.0 W	6.4 W	89 / tbd mA	71 %	0.31 / 1	–	–	48.70 kΩ
	24 mA	100 V	200 V	2.3 W	4.0 W	6.4 W	88 / tbd mA	71 %	0.32 / 1	–	–	43.20 kΩ
	28 mA	90 V	200 V	2.5 W	4.6 W	7.1 W	90 / tbd mA	75 %	0.34 / 1	–	–	36.50 kΩ
	28 mA	83 V	200 V	2.3 W	4.6 W	7.1 W	90 / tbd mA	75 %	0.34 / 1	–	–	32.40 kΩ
EM powerLED CPS FX LP 80W	33 mA	76 V	200 V	2.4 W	5.5 W	8.1 W	92 / tbd mA	78 %	0.38 / 1	–	–	28.70 kΩ
	32 mA	70 V	200 V	2.2 W	5.3 W	8.3 W	93 / tbd mA	78 %	0.38 / 1	–	–	22.00 kΩ
	37 mA	67 V	200 V	2.4 W	6.2 W	9.1 W	95 / tbd mA	74 %	0.41 / 1	–	–	17.80 kΩ
	42 mA	62 V	200 V	2.6 W	6.9 W	9.2 W	98 / tbd mA	70 %	0.44 / 1	–	–	15.00 kΩ
	42 mA	59 V	190 V	2.5 W	6.4 W	9.5 W	94 / tbd mA	70 %	0.43 / 1	–	–	12.10 kΩ
	47 mA	56 V	175 V	2.5 W	6.8 W	9.9 W	97 / tbd mA	70 %	0.44 / 1	–	–	9.30 kΩ
	47 mA	51 V	170 V	2.3 W	6.5 W	9.6 W	97 / tbd mA	70 %	0.43 / 1	–	–	6.49 kΩ
	52 mA	50 V	160 V	2.5 W	6.8 W	10.0 W	98 / tbd mA	70 %	0.44 / 1	–	–	short circuit (0 Ω)

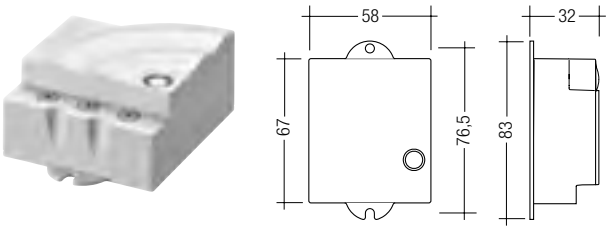
① EOFx = Emergency light output ratio

② Ambient temperature range ta defined in normal operation

RoHS

ACCES-SORIES

SWITCH Sensor HF 5BP



Product description

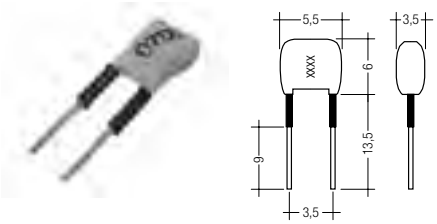
- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

ACCES-SORIES

I-SELECT PLUG E



Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging, bag	Weight per pc.
I-SELECT PLUG E	**28000612**	Green	0R	0.00 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000616**	Green	6k49	6.49 kΩ	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000617**	Green	9k3	9.30 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000618**	Green	12k1	12.10 kΩ	425 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000619**	Green	15k	15.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000620**	Green	17k8	17.80 kΩ	375 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000621**	Green	22k	22.00 kΩ	350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000622**	Green	28k7	28.70 kΩ	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000623**	Green	32k4	32.40 kΩ	300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000624**	Green	36k5	36.50 kΩ	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000625**	Green	43k2	43.20 kΩ	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000626**	Green	48k7	48.70 kΩ	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000627**	Green	56k	56.00 kΩ	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000628**	Green	64k9	64.90 kΩ	175 mA	10 pc(s).	0.001 kg

SELV RoHS

EM powerLED 50 W CPS 4x300/350 mA

LED Driver for AC and DC power supplies

Product description

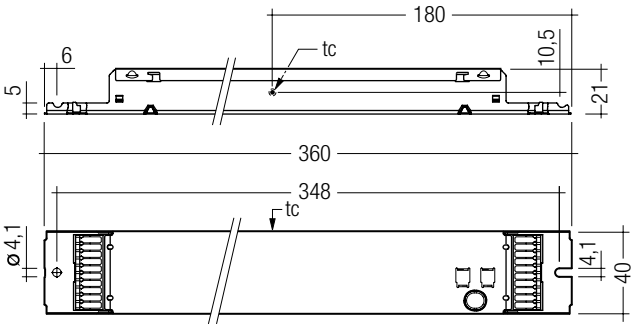
- LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- 4 channels in mains and emergency operation
- For use in central battery systems
- SELV for output voltage < 60 V DC
- For luminaire installation
- For the use with STARK QLE G2 CLASSIC and LLE 24-280-1250

Properties

- Constant current LED Driver with 4 x 300 mA or 4 x 350 mA output current in mains operation
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- 10 or 100 % output when connected to DC
- For emergency lighting systems as per EN 50172
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





→

Standards, page 376

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.97
Typ. λ (at 230 V, 50 Hz, CF operation)	0.75
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Max. forward voltage Vf LED module	37.4 V
Min. forward voltage Vf LED module	28 V
Max. output voltage	60 V
Time to light (at 230 V, 50 Hz, full load)	180 ms
Output current ripple	± 25 %
Output current tolerance	-9 / +7 %
Max. repetitive output peak current	Output current + 32 %
Max. non-repetitive output peak current	Output current + 32 %
THD CF normal operation	12 %
THD CF operation	13 %
Ambient temperature ta	0 ... +50 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	360 x 40 x 21 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED CPS 4x300mA	**89800294**	10 pc(s).	600 pc(s).	0.283 kg
EM powerLED CPS 4x350mA	**89800295**	10 pc(s).	600 pc(s).	0.283 kg

Specific technical data

Type	Article number	Mains power	Mains current	Efficiency	Typ. output power	Typ. output current
Normal operation						
EM powerLED CPS 4x300mA	89800294	47.0 W	210 mA	85 %	39.0 W	300 mA
EM powerLED CPS 4x350mA	89800295	53.0 W	240 mA	85 %	45.0 W	350 mA
CF operation						
EM powerLED CPS 4x300mA	89800294	8.5 W	55 mA	62 %	4.6 W	42 mA
EM powerLED CPS 4x350mA	89800295	8.5 W	55 mA	62 %	4.6 W	42 mA

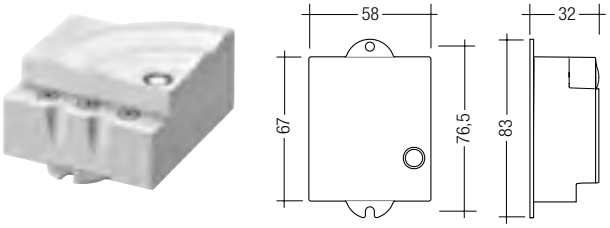
RoHS

ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

SELV RoHS

NEW

EM powerLED CPS FX C 50 W

LED Driver for AC and DC power supplies

Product description

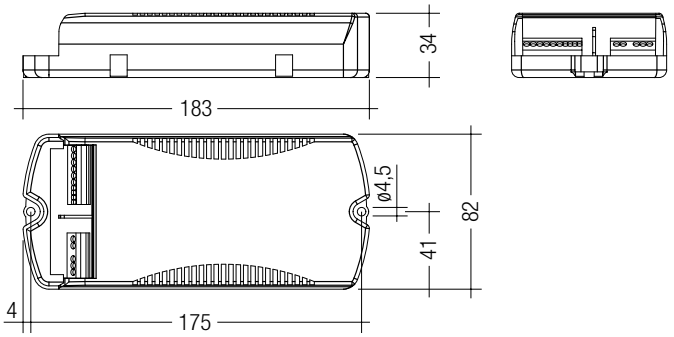
- Fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use in central battery systems
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- For luminaire installation
- Compact plastic casing (183 x 82 x 34 mm)

Properties

- 15 – 50 W output power
- Constant current LED operation
- 300 – 1,400 mA output current selectable with I-SELECT PLUG in steps of 50 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- 10 % or 100 % output when connected to DC voltage
- Automatic shutdown of output if LED load is out of range
- For emergency lighting systems as per EN 50172
- 5 years guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Note: I-SELECT PLUG must be set before mains connection.

→

Standards, page 376

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Voltage range AC	198 – 264 V
Voltage range DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Typ. λ (at 230 V, 50 Hz, CF operation)	0.45
Overvoltage protection	320 V (for 1 h)
Max. open circuit voltage	60 V
Time to light	< 0.5 s
LF output current ripple (< 300 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
THD CF operation	< 30 %
Ambient temperature ta > 45 W	50 °C
Ambient temperature ta ≤ 45 W	55 °C
Max. casing temperature tc	85 °C
Emergency output factor EOFx[1]	1
Dimensions LxBxH	183 x 82 x 34 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED CPS FX C 50W 50V	**89800436**	10 pc(s).	400 pc(s).	0.245 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (230 V, 50 / 0 Hz, full load)	Input current (230 V, 50 / 0 Hz, full load)	Efficiency (230 V, 50 / 0 Hz)	λ (230 V, 50/0 Hz, full load)	Ambient temperature ta [2]	tc/ta for ≥ 50.000 h [2]	I-select resistor value
Normal operation AC / DC (100 %)												
	300 mA	42.8 V	50.0 V	12.8 W	15.0 W	19 W	102 / 84 mA	79 %	0.80 / 1	-5 ... 55 °C	85 / 55 °C	open
	350 mA	42.8 V	50.0 V	15.0 W	17.5 W	22 W	112 / 96 mA	80 %	0.85 / 1	-5 ... 55 °C	85 / 55 °C	69.80 kΩ
	400 mA	37.5 V	50.0 V	15.0 W	20.0 W	25 W	122 / 106 mA	80 %	0.87 / 1	-5 ... 55 °C	85 / 55 °C	62.00 kΩ
	450 mA	33.3 V	50.0 V	15.0 W	22.5 W	28 W	132 / 119 mA	80 %	0.89 / 1	-5 ... 55 °C	85 / 55 °C	56.00 kΩ
	500 mA	30.0 V	50.0 V	15.0 W	25.0 W	30 W	143 / 134 mA	83 %	0.91 / 1	-5 ... 55 °C	85 / 55 °C	48.70 kΩ
	550 mA	27.2 V	50.0 V	15.0 W	27.5 W	33 W	157 / 147 mA	83 %	0.92 / 1	-5 ... 55 °C	85 / 55 °C	43.20 kΩ
	600 mA	25.0 V	50.0 V	15.0 W	30.0 W	36 W	169 / 159 mA	83 %	0.92 / 1	-5 ... 55 °C	85 / 55 °C	36.50 kΩ
	650 mA	23.1 V	50.0 V	15.0 W	32.5 W	39 W	181 / 172 mA	83 %	0.93 / 1	-5 ... 55 °C	85 / 55 °C	28.70 kΩ
	700 mA	21.4 V	50.0 V	15.0 W	35.0 W	42 W	193 / 186 mA	83 %	0.94 / 1	-5 ... 55 °C	85 / 55 °C	24.00 kΩ
	750 mA	20.0 V	50.0 V	15.0 W	37.5 W	43 W	195 / 189 mA	87 %	0.84 / 1	-5 ... 55 °C	85 / 55 °C	20.50 kΩ
	800 mA	18.8 V	50.0 V	15.0 W	40.0 W	46 W	206 / 200 mA	87 %	0.85 / 1	-5 ... 55 °C	85 / 55 °C	18.00 kΩ
EM powerLED CPS FX C 50W 50V	850 mA	17.6 V	50.0 V	15.0 W	42.5 W	49 W	218 / 213 mA	87 %	0.95 / 1	-5 ... 55 °C	85 / 55 °C	16.00 kΩ
	900 mA	16.6 V	50.0 V	14.9 W	45.0 W	52 W	234 / 230 mA	87 %	0.96 / 1	-5 ... 55 °C	85 / 55 °C	13.30 kΩ
	950 mA	15.7 V	50.0 V	14.9 W	47.5 W	55 W	246 / 243 mA	86 %	0.96 / 1	-5 ... 50 °C	85 / 50 °C	11.00 kΩ
	1,000 mA	15.0 V	50.0 V	15.0 W	50.0 W	57 W	264 / 260 mA	88 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	9.31 kΩ
	1,050 mA	15.0 V	47.6 V	15.8 W	50.0 W	59 W	270 / 265 mA	85 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	7.87 kΩ
	1,100 mA	15.0 V	45.5 V	16.5 W	50.1 W	56 W	253 / 254 mA	89 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	6.49 kΩ
	1,150 mA	15.0 V	43.5 V	17.3 W	50.0 W	58 W	265 / 265 mA	86 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	4.70 kΩ
	1,200 mA	15.0 V	41.7 V	18.0 W	50.0 W	58 W	260 / 264 mA	86 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	3.83 kΩ
	1,250 mA	15.0 V	40.0 V	18.8 W	50.0 W	58 W	261 / 264 mA	86 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	2.70 kΩ
	1,300 mA	15.0 V	38.5 V	19.5 W	50.1 W	58 W	260 / 264 mA	86 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	2.20 kΩ
	1,350 mA	15.0 V	37.0 V	20.3 W	50.0 W	58 W	262 / 264 mA	86 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	1.50 kΩ
	1,400 mA	15.0 V	35.0 V	21.0 W	49.0 W	59 W	264 / 264 mA	83 %	0.97 / 1	-5 ... 50 °C	85 / 50 °C	short circuit (0 Ω)
CF operation AC / DC (10 %)												
	30 mA	42.8 V	50.0 V	0.9 W	1.1 W	3.5 W	44 mA	30 %	0.30	–	–	open
	38 mA	42.8 V	50.0 V	1.6 W	1.9 W	3.8 W	46 mA	50 %	0.35	–	–	69.80 kΩ
	39 mA	37.5 V	50.0 V	1.5 W	2.0 W	3.8 W	46 mA	51 %	0.35	–	–	62.00 kΩ
	52 mA	33.3 V	50.0 V	1.7 W	2.6 W	4.6 W	49 mA	57 %	0.40	–	–	56.00 kΩ
	52 mA	30.0 V	50.0 V	1.6 W	2.6 W	4.6 W	49 mA	57 %	0.40	–	–	48.70 kΩ
	52 mA	27.2 V	50.0 V	1.4 W	2.6 W	4.6 W	49 mA	57 %	0.40	–	–	43.20 kΩ
	66 mA	25.0 V	50.0 V	1.7 W	3.3 W	5.2 W	51 mA	63 %	0.45	–	–	36.50 kΩ
	69 mA	23.1 V	50.0 V	1.6 W	3.5 W	5.3 W	51 mA	65 %	0.45	–	–	28.70 kΩ
	80 mA	21.4 V	50.0 V	1.7 W	4.0 W	6.0 W	54 mA	67 %	0.48	–	–	24.00 kΩ
	83 mA	20.0 V	50.0 V	1.7 W	4.2 W	6.0 W	54 mA	69 %	0.48	–	–	20.50 kΩ
	85 mA	18.8 V	50.0 V	1.6 W	4.3 W	6.0 W	54 mA	71 %	0.48	–	–	18.00 kΩ
EM powerLED CPS FX C 50W 50V	92 mA	17.6 V	50.0 V	1.6 W	4.6 W	6.7 W	58 mA	69 %	0.50	–	–	16.00 kΩ
	92 mA	16.6 V	50.0 V	1.5 W	4.6 W	6.7 W	58 mA	69 %	0.50	–	–	13.30 kΩ
	105 mA	15.7 V	50.0 V	1.6 W	5.3 W	7.3 W	59 mA	72 %	0.53	–	–	11.00 kΩ
	106 mA	15.0 V	50.0 V	1.6 W	5.3 W	7.3 W	59 mA	73 %	0.53	–	–	9.31 kΩ
	118 mA	15.0 V	47.6 V	1.8 W	5.6 W	7.4 W	59 mA	76 %	0.53	–	–	7.87 kΩ
	119 mA	15.0 V	45.5 V	1.8 W	5.4 W	7.1 W	59 mA	76 %	0.53	–	–	6.49 kΩ
	130 mA	15.0 V	43.5 V	2.0 W	5.7 W	7.2 W	59 mA	79 %	0.53	–	–	4.70 kΩ
	131 mA	15.0 V	41.7 V	2.0 W	5.5 W	7.2 W	59 mA	76 %	0.53	–	–	3.83 kΩ
	144 mA	15.0 V	40.0 V	2.2 W	5.8 W	7.4 W	59 mA	78 %	0.53	–	–	2.70 kΩ
	144 mA	15.0 V	38.5 V	2.2 W	5.5 W	7.4 W	59 mA	75 %	0.53	–	–	2.20 kΩ
	145 mA	15.0 V	37.0 V	2.2 W	5.4 W	6.9 W	59 mA	78 %	0.53	–	–	1.50 kΩ
	158 mA	15.0 V	35.0 V	2.4 W	5.5 W	7.4 W	59 mA	75 %	0.53	–	–	short circuit (0 Ω)

[1] EOFx = Emergency light output ratio

[2] Ambient temperature range ta defined in normal operation

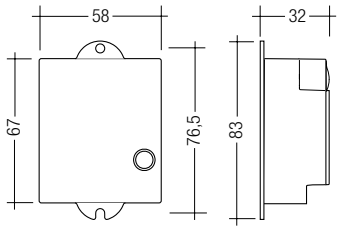
ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- "Bright-Out" function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the "Bright-Out" function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

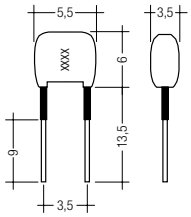
ACCES-SORIES

I-SELECT PLUG E

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %





Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	**28000612**	Green	0R	0.00 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001154**	Green	1k5	1.50 kΩ	1.350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001155**	Green	2k2	2.20 kΩ	1.300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001156**	Green	2k7	2.70 kΩ	1.250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001157**	Green	3k83	3.83 kΩ	1.200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001158**	Green	4k7	4.70 kΩ	1.150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000616**	Green	6k49	6.49 kΩ	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001159**	Green	7k87	7.87 kΩ	1.050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000617**	Green	9k3	9.30 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001160**	Green	11k	11.00 kΩ	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001161**	Green	13k3	13.30 kΩ	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001162**	Green	16k	16.00 kΩ	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001163**	Green	18k	18.00 kΩ	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001164**	Green	20k5	20.50 kΩ	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001165**	Green	24k	24.00 kΩ	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000622**	Green	28k7	28.70 kΩ	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000624**	Green	36k5	36.50 kΩ	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000625**	Green	43k2	43.20 kΩ	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000626**	Green	48k7	48.70 kΩ	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000627**	Green	56k	56.00 kΩ	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001166**	Green	62k	62.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001167**	Green	69k8	69.80 kΩ	350 mA	10 pc(s).	0.001 kg

SELV RoHS

NEW

EM powerLED CPS FX SR 50 W

LED Driver for AC and DC power supplies

Product description

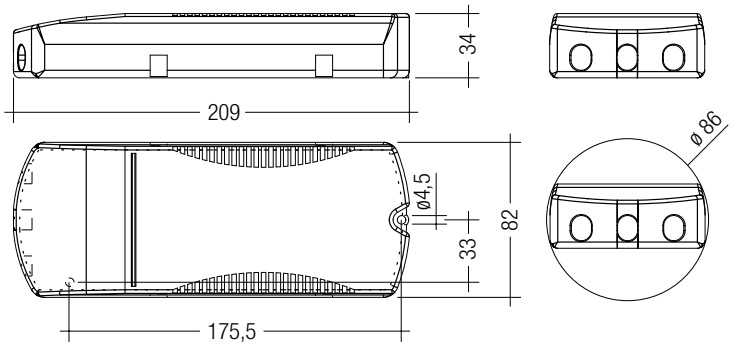
- Independent fixed output LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- Emergency lighting function for use in central battery systems
- For LED modules with a forward voltage of 15 – 50 V
- SELV for output voltage < 60 V DC
- Compact plastic casing (209 x 82 x 34 mm) with strain relief

Properties

- 15 – 50 W output power
- Constant current LED operation
- 300 – 1,400 mA output current selectable with I-SELECT PLUG in steps of 50 mA
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Automatic shutdown of output if LED load is out of range
- For emergency lighting systems as per EN 50172
- 5 years guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Note: I-SELECT PLUG must be set before mains connection.

→

Standards, page 376

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Voltage range AC	198 – 264 V
Voltage range DC	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. λ (at 230 V, 50 Hz, normal operation)	0.95
Typ. λ (at 230 V, 50 Hz, CF operation)	0.45
Overvoltage protection	320 V (for 1 h)
Max. open circuit voltage	60 V
Time to light	< 0.5 s
LF output current ripple (< 300 Hz)	< 2 %
Output current tolerance	7 %
THD normal operation	< 10 %
THD CF operation	< 30 %
Ambient temperature ta > 40 W output power	40 °C
Ambient temperature ta ≤ 40 W output power	50 °C
Max. casing temperature tc	80 °C
Emergency output factor EOFx [3]	1
Dimensions LxBxH	209 x 82 x 34 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED CPS FX SR 50W 50V	**89800437**	10 pc(s).	400 pc(s).	0.26 kg

Specific technical data

Type	Output current	Min. output voltage	Max. output voltage	Min. output power	Max. output power	Input power (230 V, 50/0 Hz, full load)	Input current (230 V, 50/0 Hz, full load)	Efficiency (230 V, 50/0 Hz)	λ (230 V, 50/0 Hz, full load)	Ambient temperature ta [2]	tc/ta for ≥ 50.000 h [2]	I-select resistor value
Normal operation AC / DC (100 %)												
EM powerLED CPS FX SR 50W 50V	300 mA	42.8 V	50.0 V	12.8 W	15.0 W	19 W	102 / 84 mA	79 %	0.80 / 1	-5 ... 50 °C	79 / 50 °C	open
	350 mA	42.8 V	50.0 V	15.0 W	17.5 W	22 W	112 / 96 mA	80 %	0.85 / 1	-5 ... 50 °C	79 / 50 °C	69.80 kΩ
	400 mA	37.5 V	50.0 V	15.0 W	20.0 W	25 W	122 / 106 mA	80 %	0.87 / 1	-5 ... 50 °C	79 / 50 °C	62.00 kΩ
	450 mA	33.3 V	50.0 V	15.0 W	22.5 W	28 W	132 / 119 mA	80 %	0.89 / 1	-5 ... 50 °C	79 / 50 °C	56.00 kΩ
	500 mA	30.0 V	50.0 V	15.0 W	25.0 W	30 W	143 / 134 mA	83 %	0.91 / 1	-5 ... 50 °C	79 / 50 °C	48.70 kΩ
	550 mA	27.2 V	50.0 V	15.0 W	27.5 W	33 W	157 / 147 mA	83 %	0.92 / 1	-5 ... 50 °C	79 / 50 °C	43.20 kΩ
	600 mA	25.0 V	50.0 V	15.0 W	30.0 W	36 W	169 / 159 mA	83 %	0.92 / 1	-5 ... 50 °C	79 / 50 °C	36.50 kΩ
	650 mA	23.1 V	50.0 V	15.0 W	32.5 W	39 W	181 / 172 mA	83 %	0.93 / 1	-5 ... 50 °C	79 / 50 °C	28.70 kΩ
	700 mA	21.4 V	50.0 V	15.0 W	35.0 W	42 W	193 / 186 mA	83 %	0.94 / 1	-5 ... 50 °C	79 / 50 °C	24.00 kΩ
	750 mA	20.0 V	50.0 V	15.0 W	37.5 W	43 W	195 / 189 mA	87 %	0.84 / 1	-5 ... 50 °C	79 / 50 °C	20.50 kΩ
	800 mA	18.8 V	50.0 V	15.0 W	40.0 W	46 W	206 / 200 mA	87 %	0.85 / 1	-5 ... 50 °C	79 / 50 °C	18.00 kΩ
	850 mA	17.6 V	50.0 V	15.0 W	42.5 W	49 W	218 / 213 mA	87 %	0.95 / 1	-5 ... 40 °C	76 / 40 °C	16.00 kΩ
	900 mA	16.6 V	50.0 V	14.9 W	45.0 W	52 W	234 / 230 mA	87 %	0.96 / 1	-5 ... 40 °C	76 / 40 °C	13.30 kΩ
	950 mA	15.7 V	50.0 V	14.9 W	47.5 W	55 W	246 / 243 mA	86 %	0.96 / 1	-5 ... 40 °C	76 / 40 °C	11.00 kΩ
	1,000 mA	15.0 V	50.0 V	15.0 W	50.0 W	57 W	264 / 260 mA	88 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	9.31 kΩ
	1,050 mA	15.0 V	47.6 V	15.8 W	50.0 W	59 W	270 / 265 mA	85 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	7.87 kΩ
	1,100 mA	15.0 V	45.5 V	16.5 W	50.1 W	56 W	253 / 254 mA	89 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	6.49 kΩ
	1,150 mA	15.0 V	43.5 V	17.3 W	50.0 W	58 W	265 / 265 mA	86 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	4.70 kΩ
	1,200 mA	15.0 V	41.7 V	18.0 W	50.0 W	58 W	260 / 264 mA	86 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	3.83 kΩ
	1,250 mA	15.0 V	40.0 V	18.8 W	50.0 W	58 W	261 / 264 mA	86 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	2.70 kΩ
	1,300 mA	15.0 V	38.5 V	19.5 W	50.1 W	58 W	260 / 264 mA	86 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	2.20 kΩ
	1,350 mA	15.0 V	37.0 V	20.3 W	50.0 W	58 W	262 / 264 mA	86 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	1.50 kΩ
	1,400 mA	15.0 V	35.0 V	21.0 W	49.0 W	59 W	264 / 264 mA	83 %	0.97 / 1	-5 ... 40 °C	76 / 40 °C	short circuit (0 Ω)
CF operation AC												
EM powerLED CPS FX SR 50W 50V	30 mA	42.8 V	50.0 V	0.9 W	1.1 W	3.5 W	44 mA	30 %	0.30	–	–	open
	38 mA	42.8 V	50.0 V	1.6 W	1.9 W	3.8 W	46 mA	50 %	0.35	–	–	69.80 kΩ
	39 mA	37.5 V	50.0 V	1.5 W	2.0 W	3.8 W	46 mA	51 %	0.35	–	–	62.00 kΩ
	52 mA	33.3 V	50.0 V	1.7 W	2.6 W	4.6 W	49 mA	57 %	0.40	–	–	56.00 kΩ
	52 mA	30.0 V	50.0 V	1.6 W	2.6 W	4.6 W	49 mA	57 %	0.40	–	–	48.70 kΩ
	52 mA	27.2 V	50.0 V	1.4 W	2.6 W	4.6 W	49 mA	57 %	0.40	–	–	43.20 kΩ
	66 mA	25.0 V	50.0 V	1.7 W	3.3 W	5.2 W	51 mA	63 %	0.45	–	–	36.50 kΩ
	69 mA	23.1 V	50.0 V	1.6 W	3.5 W	5.3 W	51 mA	65 %	0.45	–	–	28.70 kΩ
	80 mA	21.4 V	50.0 V	1.7 W	4.0 W	6.0 W	54 mA	67 %	0.48	–	–	24.00 kΩ
	83 mA	20.0 V	50.0 V	1.7 W	4.2 W	6.0 W	54 mA	69 %	0.48	–	–	20.50 kΩ
	85 mA	18.8 V	50.0 V	1.6 W	4.3 W	6.0 W	54 mA	71 %	0.48	–	–	18.00 kΩ
	92 mA	17.6 V	50.0 V	1.6 W	4.6 W	6.7 W	58 mA	69 %	0.50	–	–	16.00 kΩ
	92 mA	16.6 V	50.0 V	1.5 W	4.6 W	6.7 W	58 mA	69 %	0.50	–	–	13.30 kΩ
	105 mA	15.7 V	50.0 V	1.6 W	5.3 W	7.3 W	59 mA	72 %	0.53	–	–	11.00 kΩ
	106 mA	15.0 V	50.0 V	1.6 W	5.3 W	7.3 W	59 mA	73 %	0.53	–	–	9.31 kΩ
	118 mA	15.0 V	47.6 V	1.8 W	5.6 W	7.4 W	59 mA	76 %	0.53	–	–	7.87 kΩ
	119 mA	15.0 V	45.5 V	1.8 W	5.4 W	7.1 W	59 mA	76 %	0.53	–	–	6.49 kΩ
	130 mA	15.0 V	43.5 V	2.0 W	5.7 W	7.2 W	59 mA	79 %	0.53	–	–	4.70 kΩ
	131 mA	15.0 V	41.7 V	2.0 W	5.5 W	7.2 W	59 mA	76 %	0.53	–	–	3.83 kΩ
	144 mA	15.0 V	40.0 V	2.2 W	5.8 W	7.4 W	59 mA	78 %	0.53	–	–	2.70 kΩ
	144 mA	15.0 V	38.5 V	2.2 W	5.5 W	7.4 W	59 mA	75 %	0.53	–	–	2.20 kΩ
	145 mA	15.0 V	37.0 V	2.2 W	5.4 W	6.9 W	59 mA	78 %	0.53	–	–	1.50 kΩ
	158 mA	15.0 V	35.0 V	2.4 W	5.5 W	7.4 W	59 mA	75 %	0.53	–	–	short circuit (0 Ω)

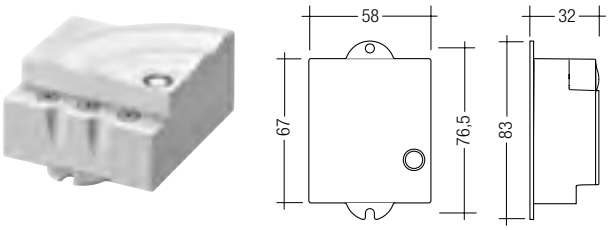
[1] EOFx = Emergency light output ratio

[2] Ambient temperature range ta defined in normal operation

RoHS

ACCES-SORIES

SWITCH Sensor HF 5BP



Product description

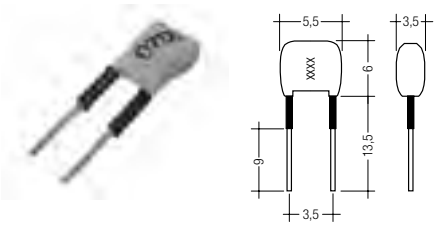
- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

ACCES-SORIES

I-SELECT PLUG E



Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

Ordering data

Type	Article number	Colour	Marking	Resistor value	Output current	Packaging bag	Weight per pc.
I-SELECT PLUG E	**28000612**	Green	0R	0.00 kΩ	500 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001154**	Green	1k5	1.50 kΩ	1.350 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001155**	Green	2k2	2.20 kΩ	1.300 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001156**	Green	2k7	2.70 kΩ	1.250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001157**	Green	3k83	3.83 kΩ	1.200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001158**	Green	4k7	4.70 kΩ	1.150 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000616**	Green	6k49	6.49 kΩ	475 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001159**	Green	7k87	7.87 kΩ	1.050 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000617**	Green	9k3	9.30 kΩ	450 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001160**	Green	11k	11.00 kΩ	950 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001161**	Green	13k3	13.30 kΩ	900 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001162**	Green	16k	16.00 kΩ	850 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001163**	Green	18k	18.00 kΩ	800 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001164**	Green	20k5	20.50 kΩ	750 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001165**	Green	24k	24.00 kΩ	700 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000622**	Green	28k7	28.70 kΩ	325 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000624**	Green	36k5	36.50 kΩ	275 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000625**	Green	43k2	43.20 kΩ	250 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000626**	Green	48k7	48.70 kΩ	225 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28000627**	Green	56k	56.00 kΩ	200 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001166**	Green	62k	62.00 kΩ	400 mA	10 pc(s).	0.001 kg
I-SELECT PLUG E	**28001167**	Green	69k8	69.80 kΩ	350 mA	10 pc(s).	0.001 kg

SELV N416 RoHS

EM powerLED 15 W CLE CPS

LED Driver for AC and DC power supplies

Product description

- LED Driver for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- For use in central battery systems
- For luminaire installation
- For the use with STARK CLE 1500 EM

Properties

- Constant current LED Driver with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Constant current mode
- 10 or 100 % output when connected to DC
- SELV
- For emergency lighting systems as per EN 50172
- LED module and sensor available

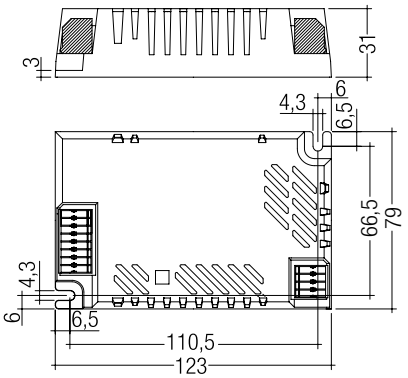
→ For product data sheet go to www.tridonic.com, or available on request

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For wiring diagrams and installation examples see data sheet





Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. mains power in emergency mode (10 / 100 %)	1.6 / 17 W
Mains power in normal operation	17 W
Mains power in CF operation	1.6 W
Mains current in normal operation	0.08 A
Mains current in CF operation	0.007 A
Mains current in emergency operation (10 / 100 %)	0.007 / 0.08 A
Typ. λ (at 230 V, 50 Hz, normal operation)	0.8
Typ. λ (at 230 V, 50 Hz, CF operation)	0.5
Typ. efficiency (at 230 V, 50 Hz, normal operation)	83 %
Typ. efficiency (at 230 V, 50 Hz, CF operation)	49 %
Leakage current (PE)	–
Overvoltage protection	320 V (for 1 h)
Max. permitted forward current LED	33 V
Max. permitted forward current emergency LED	3.4 V
Turn on time (at 230 V, 50 Hz, full load)	100 ms
Switchover time from mains to emergency operation	< 380 ms
Switchover time from emergency to mains operation	< 100 ms
Ambient temperature ta	-25 ... +55 °C
Max. casing temperature tc	75 °C
Dimensions L x W x H	123 x 79 x 31 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
EM powerLED 15W Basic CLE CPS	**89800177**	10 pc(s).	560 pc(s).	0.105 kg

Specific technical data

Type	Typ. output current	Output current tolerance	Output voltage range	Max. output voltage	Typ. output power
Normal operation at 100 %					
EM powerLED 15W Basic CLE CPS	470 mA	5 %	22 – 33 V	33 V	14.25 W
CF operation at 10 %					
EM powerLED 15W Basic CLE CPS	43 mA	15 %	22 – 33 V	33 V	1.12 W
Emergency operation at 100 %					
EM powerLED 15W Basic CLE CPS	470 mA	5 %	22 – 33 V	33 V	14.25 W
Emergency operation at 10 %					
EM powerLED 15W Basic CLE CPS	43 mA	15 %	22 – 33 V	33 V	1.12 W

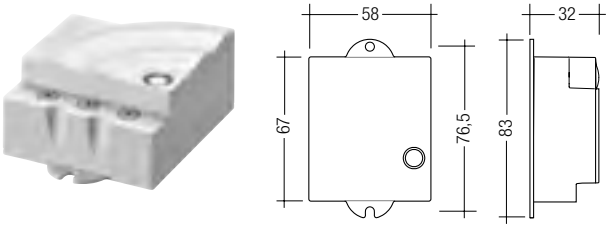
RoHS

ACCES-SORIES

SWITCH Sensor HF 5BP

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- “Bright-Out” function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the “Bright-Out” function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

RoHS

TALEXmodule EM-AP 004

EM LED light sources

Product description

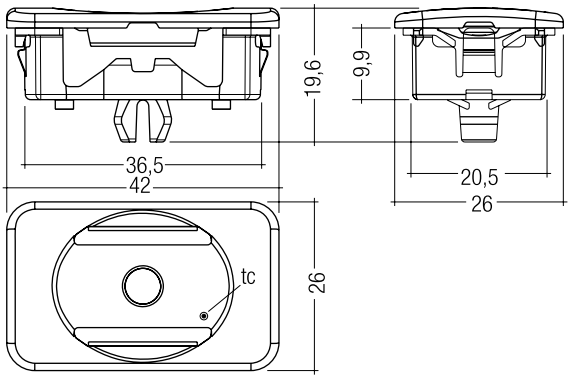
- LED emergency lighting module
- Anti-panic emergency lighting:
  illuminance E ≥ 0.5 lux (as per EN 1838)
- Compatible with EM powerLED 1 W

Properties

- High-power LED in chip-on-board technology (COB)
- Long life-time thanks to integrated heat removal
- Optimised system efficiency with broad beam characteristic
- Integrated bi-colour status LED
- Reverse polarity protection
- Small dimensions
- Different installation options
- Connection: cable 300 mm

→ For product data sheet go to www.tridonic.com,
or available on request





→

Standards, page 376

For wiring diagrams and installation examples see data sheet

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet

Technical data

Colour rendering index CRI	> 70
Ambient temperature ta	-20 ... +50 °C
tp_rated temperature	45 °C
Max. tc point temperature ①	up to 85 °C

Ordering data

Type	Article number	Colour ②	Colour temperature	Packaging, carton	Weight per pc.
EM-AP 004	**89601890**	Daylight white	6,500 K	10 pc(s).	0.025 kg

Specific technical data

Type	Typ. luminous flux ③ ④	Min. luminous flux ③ ④	Max. current ⑤ ⑥ ⑦	Power ④ ⑧ ⑨
EM-AP 004	122 lm	105 lm	350 mA	1 W

① If the max. temperature limits are exceeded, the life of the module will be reduced or the module may be damaged.
The temperature of the TALEXmodule at the tc-point is to be measured in the thermally stable state. For tc-point see the above diagram.
② Colour temperature and colour rendering index CRI according to CIE 1931.
③ Tolerance range for optical data: ±10 %.
④ All values at tp = 45 °C.
⑤ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.
⑥ Max. permissible surge current: 1.92 A, duration max. 10 ms.
⑦ Max. permissible repetitive peak current: 960 mA.
⑧ Data for operation with 350 mA.
⑨ Tolerance range for electrical data: ±5 %.

RoHS

TALEX(module EM-ER 004

EM LED light sources

Product description

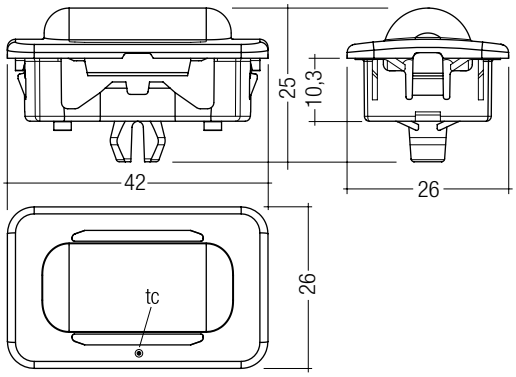
- LED emergency lighting module
- Escape route emergency lighting:
  illuminance E = 1.0 lux (as per EN 1838)
- Compatible with EM powerLED 1 W

Properties

- High-power LED in chip-on-board technology (COB)
- Long life-time thanks to integrated heat removal
- Optimised system efficiency with beam characteristic
- Integrated bi-colour status LED
- Reverse polarity protection
- Small dimensions
- Different installation options
- Connection: cable 300 mm

→ For product data sheet go to www.tridonic.com, or available on request





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For wiring diagrams and installation examples see data sheet

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet

Technical data

Colour rendering index CRI	> 70
Ambient temperature ta	-20 ... +50 °C
tp_rated temperature	45 °C
Max. tc point temperature ①	up to 85 °C

Ordering data

Type	Article number	Colour ②	Colour temperature	Packaging, carton	Weight per pc.
EM-ER 004	**89601889**	Daylight white	6,500 K	10 pc(s).	0.016 kg

Specific technical data

Type	Typ. luminous flux ③ ④	Min. luminous flux ③ ④	Max. current ⑤ ⑥ ⑦	Power ④ ⑧ ⑨
EM-ER 004	110 lm	95 lm	350 mA	1 W

① If the max. temperature limits are exceeded, the life of the module will be reduced or the module may be damaged.
The temperature of the TALEX(module at the tc-point is to be measured in the thermally stable state. For tc-point see the above diagram.
② Colour temperature and tolerances according to CIE 1931.
③ Tolerance range for optical data: ±10 %.
④ All values at tp = 45 °C.
⑤ Exceeding the max. operating current leads to an overload on the TALEX(module.
This may in turn result in a significant reduction in life-time or even destruction of the TALEX(module.
⑥ Max. permissible surge current: 1.92 A, duration max. 10 ms.
⑦ Max. permissible repetitive peak current: 960 mA.
⑧ Data for operation with 350 mA.
⑨ Tolerance range for electrical data: ±5 %.

RoHS

TALEXmodule EM-ES 08/10/12 Mk2

EM LED light sources

Product description

- Lighting module with 8, 10 or 12 LEDs
- For use in escape route signs
- Compatible with EM powerLED 1 and 2 W

Properties

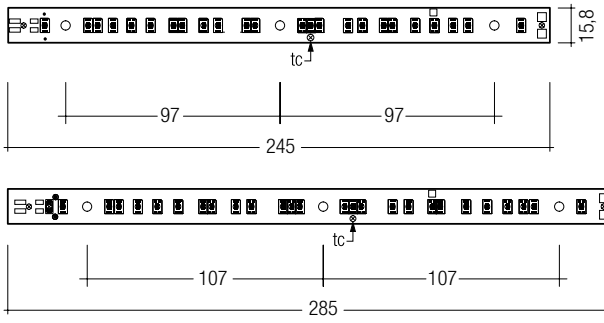
- Suitable for Tridonic EM powerLED emergency lighting LED Driver
- For permanent and stand-by operation
- Wide 120° distribution of light for uniform illumination
- Operation on a constant current source
- Replacement for 8 W T5 flourescent lamp
- Several options for uniform light distribution
- Can be interconnected to create longer strips
- Low energy consumption
- Long life-time thanks to low operating temperature
- Provides a maintenance-free escape sign system
- Simple mounting/installation
- Push-in terminals for simple and quick wiring

Note

Separate status LED required

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Ambient temperature ta①	-30 ... +55 °C
Typ. tc point②	60 °C
Typ. luminous flux at 25 °C①③	100 lm
Max. forward current④	600 mA
Typ. forward voltage at 25 °C③	3.2 V
Max. forward voltage③	3.4 V
Typ. power①③	1.1 W
Colour rendering index CRI	80
Beam characteristic	120°
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour	Colour temperature	Packaging, carton	Packaging, pallet	Weight per pc.
8 light points per module						
ES 08 246 Mk2	**89800249**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.014 kg
ES 08 285 Mk2	**89800250**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.016 kg
10 light points per module						
ES 10 285 Mk2	**89800251**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.017 kg
12 light points per module						
ES 12 285 Mk2	**89800248**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.018 kg

→

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For wiring diagrams and installation examples see data sheet

For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet

Specific technical data

Type	Article number	Total length	Hole spacing D
ES 08 246 Mk2	89800249	245 mm	97 mm
ES 08 285 Mk2	89800250	285 mm	107 mm
ES 10 285 Mk2	89800251	285 mm	107 mm
ES 12 285 Mk2	89800248	285 mm	107 mm

① Data for operation with 350 mA.
② If the max. temperature limits are exceeded, the life of the module will be reduced or the module may be damaged.
The temperature of the TALEXmodule at the tc-point is to be measured in the thermally stable state. For tc-point see the above diagram.
③ Tolerance range for optical and electrical data: ±15 %.
④ Exceeding the max. operating current leads to an overload on the TALEXmodule.
This may in turn result in a significant reduction in life-time or even destruction of the TALEXmodule.

RoHS

ACCES-SORIES

Status indication green LED EM

Product description

- A green LED indicates that charging current is flowing into the battery
- Plug connection



Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green	**89899605**	25 pc(s).	200 pc(s).	0.011 kg
LED EM green, ultra high brightness	**89899756**	25 pc(s).	200 pc(s).	0.012 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM

Product description

- Bi-colour status display LED
- Green: system OK, red: fault



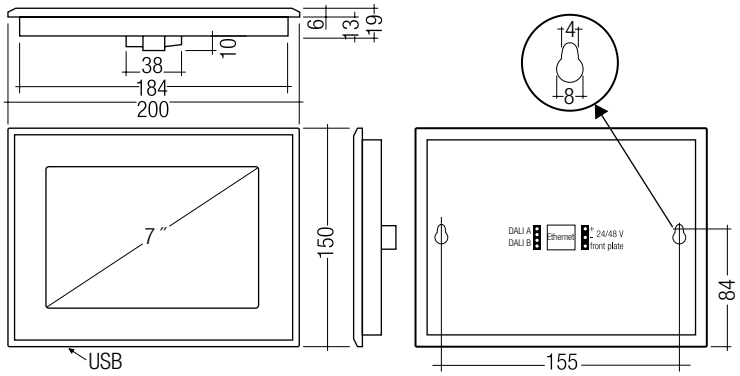
Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	200 pc(s).	0.013 kg

DALI x/e-touchPANEL 02

Emergency lighting control systems





Product description

DALI control system with 2 mode options:

- Light management in mains mode
- Emergency lighting management

Properties

Emergency lighting management:

- For small and medium emergency lighting systems with up to 120 DALI emergency lighting LED Driver (60 for each DALI line) per DALI x/e-touchPANEL 02
- 2 addresses for external status controls
- Function and endurance tests can be conducted in accordance with local regulations
- Colour touch screen (7“)
- User-friendly application software
- With DALI system functions of addressing and grouping
- Supports patented addressing function (“EZ easy addressing”)
- Individual labelling of groups and devices
- Calendar-controlled function and duration test
- Easy-to-read system status
- USB and ethernet interface
- Simple downloading of the test report to a PC and software updates via USB or Ethernet
- Can be remote-controlled via standard internet browser or em-LINK software (available at www.tridonic.com)
- Interconnection of up to 25 panels for bigger installations possible

Assembly/installation:

- External power supply (included)
- External DALI bus supply needed
- Simple fixing (2 screws)

Note

- DALI is not classified as SELV. The installation instructions for low voltage therefore apply

→ For product data sheet go to www.tridonic.com, or available on request

→

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For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage mains adapter	230 – 240 V
Mains frequency mains adapter	50 / 60 Hz
Rated supply voltage DALI x/e-touchPANEL 02	24 – 48 V DC
Power	10 W
Number of DALI circuits	2
Current consumption of each DALI line	2 mA
Ambient temperature ta	0 ... +50 °C
Touchscreen size	7“
Touchscreen pixel	800 x 480
Colours	64K
Interface	USB, Ethernet
Dimensions L x W x H	200 x 150 x 20 mm
Distance between mounting holes (D)	155 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI x/e-touchPANEL 02	**28000005**	1 pc(s).

CE RoHS

NiCd Accus 1.6 – 4.5 Ah for 55 °C

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd cells for use with emergency lighting units

Properties

- Constant high-temperature operation at 55 °C
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4 year life in operation
- Certified quality manufacturer
- In various configurations
- Simple connection with blade terminal respectively plug terminal
- With polycarbonate fixing caps and connecting cable
- Electrical connection with mounted end caps possible
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request

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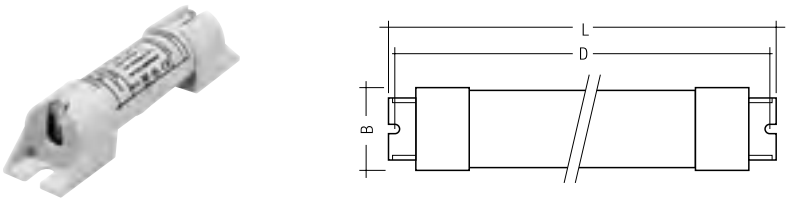


Fig. 1: stick (connection: blade terminal)

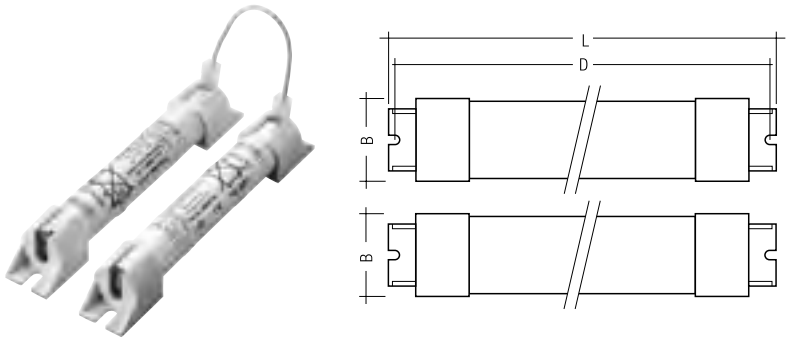


Fig. 2: stick + stick (connection: blade terminal)

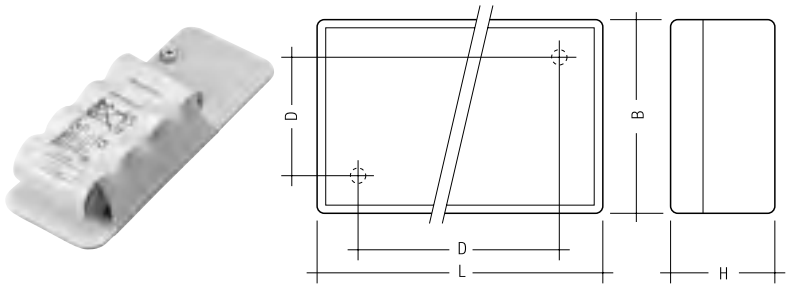


Fig. 3: side by side (connection: blade terminal)

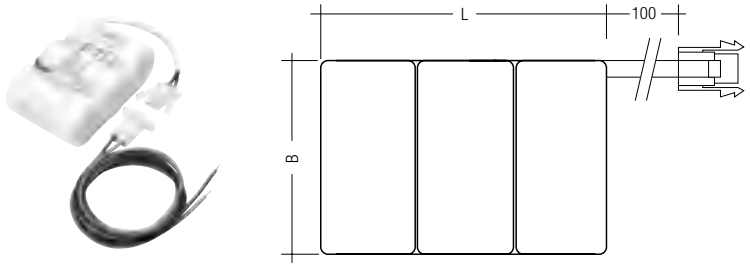


Fig. 4: side by side (connection: plug terminal)

Technical data

Battery voltage per cell	1.2 V
Battery case temperature (for a life of 4 years)	0 ... +55 °C
Max. short term temperature (reduced life-time)	70 °C

Ordering data

Type	Article number [1]	Packaging, carton	Packaging, outer box	Weight per pc.
NiCd D cells – stick				
Accu-NiCd 2A 55	**89800092**	5 pc(s).	25 pc(s).	0.225 kg
Accu-NiCd 3A	**89895960**	5 pc(s).	25 pc(s).	0.386 kg
Accu-NiCd 4A 55	**89800089**	5 pc(s).	25 pc(s).	0.500 kg
Accu-NiCd 5A	**89895973**	5 pc(s).	25 pc(s).	0.640 kg
NiCd D cells – stick + stick				
Accu-NiCd 4C	**89895978**	5 pc(s).	25 pc(s).	0.530 kg
Accu-NiCd 5C 55	**89800090**	5 pc(s).	25 pc(s).	0.620 kg
Accu-NiCd 6C 55	**89800388**	5 pc(s).	25 pc(s).	0.756 kg
NiCd D cells – side by side				
Accu-NiCd 3B 55	**89800384**	5 pc(s).	25 pc(s).	0.380 kg
Accu-NiCd 4B 55	**89800385**	5 pc(s).	25 pc(s).	0.460 kg
NiCd Cs cells – stick				
Accu-NiCd C 3A	**89899743**	5 pc(s).	25 pc(s).	0.220 kg
Accu-NiCd C 4A	**89899692**	5 pc(s).	25 pc(s).	0.190 kg
Accu-NiCd C 5A	**89899695**	5 pc(s).	25 pc(s).	0.249 kg
Accu-Nicd C 6A	**89899698**	5 pc(s).	25 pc(s).	0.296 kg
NiCd Cs cells – stick + stick				
Accu-NiCd C 4C	**89899694**	5 pc(s).	25 pc(s).	0.198 kg
Accu-NiCd C 5C	**89899697**	5 pc(s).	25 pc(s).	0.225 kg
Accu-NiCd C 6C	**89899699**	5 pc(s).	25 pc(s).	0.270 kg
NiCd Cs cells – side by side				
Accu-NiCd C 4B	**89899693**	5 pc(s).	25 pc(s).	0.180 kg
Accu-NiCd C 5B	**89899696**	5 pc(s).	25 pc(s).	0.249 kg

Specific technical data

Type	Article number [1]	Image	Number of cells	Capacity	Length L	Hole spacing D	Width B	Height H
NiCd D cells – stick								
Accu-NiCd 2A 55	**89800092**	1	2	4.5 Ah	152 mm	140 mm	36 mm	35 mm
Accu-NiCd 3A	**89895960**	1	3	4.2 Ah	210 mm	198 mm	36 mm	35 mm
Accu-NiCd 4A 55	**89800089**	1	4	4.5 Ah	269 mm	257 mm	36 mm	35 mm
Accu-NiCd 5A	**89895973**	1	5	4.2 Ah	328 mm	316 mm	36 mm	35 mm
NiCd D cells – stick + stick								
Accu-NiCd 4C	**89895978**	2	4	4.2 Ah	152 mm	140 mm	36 mm	35 mm
Accu-NiCd 5C 55	**89800090**	2	5	4.5 Ah	151 + 210 mm	140 + 198 mm	36 mm	35 mm
Accu-NiCd 6C 55	**89800388**	2	6	4.5 Ah	210 mm	198 mm	36 mm	35 mm
NiCd D cells – side by side								
Accu-NiCd 3B 55	**89800384**	4	3	4.5 Ah	63 mm	32 x 40 mm	98 mm	35 mm
Accu-NiCd 4B 55	**89800385**	4	4	4.5 Ah	63 mm	64 x 40 mm	131 mm	35 mm
NiCd Cs cells – stick								
Accu-NiCd C 3A	**89899743**	1	3	1.6 Ah	164 mm	152 mm	26 mm	26 mm
Accu-NiCd C 4A	**89899692**	1	4	1.6 Ah	206 mm	194 mm	26 mm	26 mm
Accu-NiCd C 5A	**89899695**	1	5	1.6 Ah	249 mm	237 mm	26 mm	26 mm
Accu-Nicd C 6A	**89899698**	1	6	1.6 Ah	292 mm	280 mm	26 mm	26 mm
NiCd Cs cells – stick + stick								
Accu-NiCd C 4C	**89899694**	2	4	1.6 Ah	121 mm	109 mm	26 mm	26 mm
Accu-NiCd C 5C	**89899697**	2	5	1.6 Ah	164 + 121 mm	152 + 109 mm	26 mm	26 mm
Accu-NiCd C 6C	**89899699**	2	6	1.6 Ah	164 mm	152 mm	26 mm	26 mm
NiCd Cs cells – side by side								
Accu-NiCd C 4B	**89899693**	3	4	1.6 Ah	148 mm	40 x 96 mm	54 mm	25 mm
Accu-NiCd C 5B	**89899696**	3	5	1.6 Ah	148 mm	40 x 96 mm	54 mm	25 mm

[1] Art.no. 89895960, 89895963, 89895973, 89895978 on request.

CE RoHS

NiCd Accus 4.0 Ah for 50 °C

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd cells for use with emergency lighting LED Driver

Properties

- Constant high-temperature operation at 50 °C
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4-year life-time in operation
- Certified quality manufacturer
- In various configurations
- Simple connection with blade terminal
- With polycarbonate fixing caps and connecting cable
- Electrical connection with mounted end caps possible
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request

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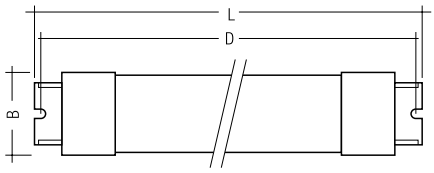


Fig. 1: stick



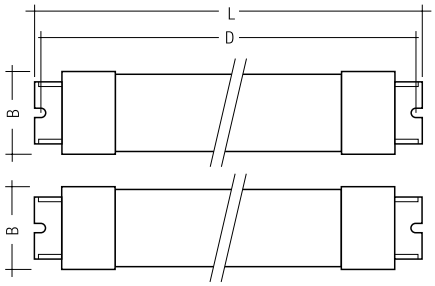


Fig. 2: stick + stick

Technical data

Battery voltage per cell	1.2 V
Battery case temperature (for a life of 4 years)	0 ... +50 °C
Max. short term temperature (reduced life-time)	70 °C

Ordering data

Type	Article number	Number of cells	Capacity	Packaging, carton	Packaging, outer box	Weight per pc.
NiCd 4.0 Ah D cells – stick						
Accu-NiCd 3A 50	**89800084**	1 x 3	4 Ah	5 pc(s).	25 pc(s).	0.357 kg
Accu-NiCd 4A 50	**89800085**	1 x 4	4 Ah	5 pc(s).	25 pc(s).	0.472 kg
Accu-NiCd 5A 50	**89800086**	1 x 5	4 Ah	5 pc(s).	25 pc(s).	0.587 kg
NiCd 4.0 Ah D cells – stick + stick						
Accu-NiCd 5C 50	**89800087**	2 + 3	4 Ah	5 pc(s).	25 pc(s).	0.600 kg
Accu-NiCd 6C 50	**89800088**	3 + 3	4 Ah	5 pc(s).	25 pc(s).	0.714 kg

Specific technical data

Type	Number of cells	Capacity	Article number	Figure	Length L	Hole spacing D	Width B	Height H
NiCd 4.0 Ah D cells – stick								
Accu-NiCd 3A 50	3	4 Ah	89800084	1	210 mm	198 mm	36 mm	35 mm
Accu-NiCd 4A 50	4	4 Ah	89800085	1	269 mm	257 mm	36 mm	35 mm
Accu-NiCd 5A 50	5	4 Ah	89800086	1	328 mm	316 mm	36 mm	35 mm
NiCd 4.0 Ah D cells – stick + stick								
Accu-NiCd 5C 50	5	4 Ah	89800087	2	152 + 210 mm	140 + 198 mm	36 mm	35 mm
Accu-NiCd 6C 50	6	4 Ah	89800088	2	210 mm	198 mm	36 mm	35 mm

CE RoHS

NiCd Battery pack 1.6 – 4.5 Ah

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd battery pack for use with emergency lighting units

Properties

- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4 year life in operation at max. temperature
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 m integrated double-insulated cable
- 1.0 mm^2 solid wire
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request

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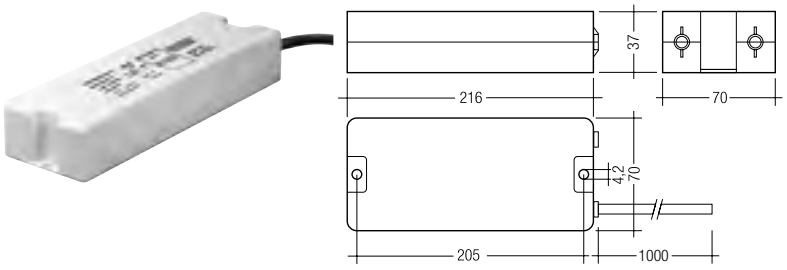


Fig. 1

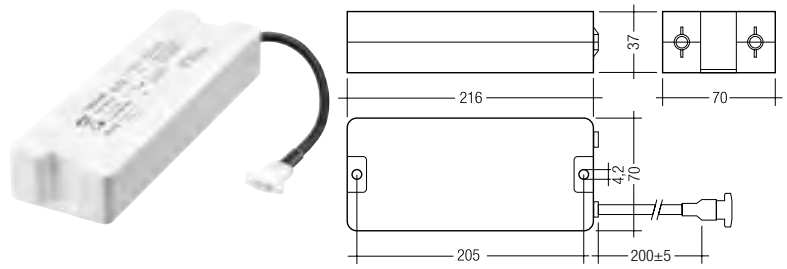


Fig. 2

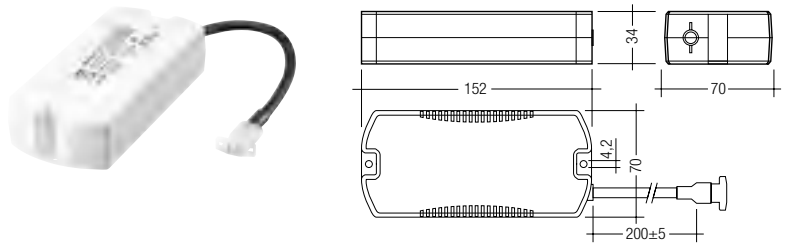


Fig. 3

Technical data

Battery voltage per cell	1.2 V
Cell temperature (life-time of 4 years)	0 ... +55 °C
Casing temperature tc	0 ... +45 °C
Temperature range of battery (NiCd) at tc point	0 ... +40 °C

Ordering data

Type	Article number	Packaging, carton	Packaging, outer box	Weight per pc.
Battery pack 1.6 Ah				
Pack-NiCd 3C	**89899676**	5 pc(s).	25 pc(s).	0.302 kg
Pack-NiCd 4C	**89899677**	5 pc(s).	25 pc(s).	0.342 kg
Pack-NiCd 5C	**89899678**	5 pc(s).	25 pc(s).	0.390 kg
Pack-NiCd 6C	**89899679**	5 pc(s).	25 pc(s).	0.430 kg
Battery pack 1.8 Ah				
Pack-NiCd 3C CON	**28001221**	5 pc(s).	10 pc(s).	0.200 kg
Pack-NiCd 4C CON	**28001222**	5 pc(s).	10 pc(s).	0.250 kg
Battery pack 4.5 Ah				
Pack-NiCd 3D CON	**89800389**	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D CON	**89800390**	5 pc(s).	10 pc(s).	0.661 kg
Pack-NiCd 5D CON	**28001181**	5 pc(s).	10 pc(s).	0.840 kg
Pack-NiCd 6D CON	**89800391**	5 pc(s).	10 pc(s).	0.990 kg

Spezific technical data

Type	Article number	Figure	Number of cells	Capacity	Dimensions
Battery pack 1.6 Ah					
Pack-NiCd 3C	**89899676**	1	3	1.6 Ah	216 x 70 x 37 mm
Pack-NiCd 4C	**89899677**	1	4	1.6 Ah	216 x 70 x 37 mm
Pack-NiCd 5C	**89899678**	1	5	1.6 Ah	216 x 70 x 37 mm
Pack-NiCd 6C	**89899679**	1	6	1.6 Ah	216 x 70 x 37 mm
Battery pack 1.8 Ah with connector					
Pack-NiCd 3C CON	**28001221**	3	3	1.8 Ah	152 x 70 x 34 mm
Pack-NiCd 4C CON	**28001222**	3	4	1.8 Ah	152 x 70 x 34 mm
Battery pack 4.5 Ah with connector					
Pack-NiCd 3D CON	**89800389**	3	3	4.5 Ah	152 x 70 x 34 mm
Pack-NiCd 4D CON	**89800390**	3	4	4.5 Ah	152 x 70 x 34 mm
Pack-NiCd 5D CON	**28001181**	2	5	4.5 Ah	216 x 70 x 37 mm
Pack-NiCd 6D CON	**89800391**	2	6	4.5 Ah	216 x 70 x 37 mm

CE RoHS

NiMH Accus 2.0 – 4.0 Ah for 45 – 55 °C

Nickel-Metal Hydride cells (NiMH)

Product description

- High-temperature NiMH cells for use with emergency lighting LED Driver

Properties

- cadmium free
- Constant high-temperature operation at 55 °C (2.0 Ah) or 45 °C / 50 °C (4.0 Ah) – depending on the emergency lighting LED Driver used
- Low profile, cross-section 22 mm (without end caps)
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4-year life-time in operation
- Certified quality manufacturer
- In various configurations
- Simple connection with blade terminal
- With polycarbonate fixing caps and connecting cable
- Electrical connection with mounted end caps possible
- Complies with IEC 61951-2 (constant charging load test)
- Suitable for emergency lighting equipment as per IEC 60598-2-22

→ For product data sheet go to www.tridonic.com, or available on request

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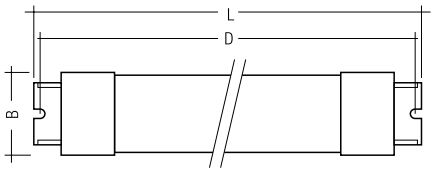


Fig. 1: stick



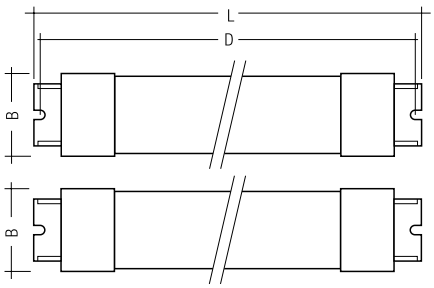


Fig. 2: stick + stick



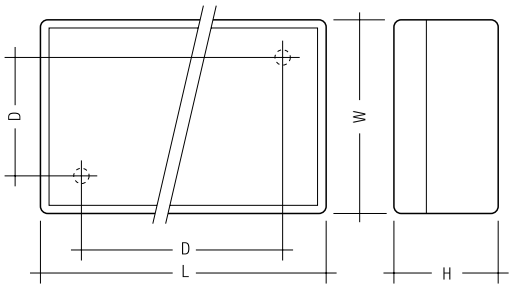


Fig. 3: side by side

Technical data

Battery voltage per cell	1.2 V
Battery casing temp. 2.0 Ah Cs (life of 4 years)	0 ... +55 °C
Battery casing temp. 4.0 Ah Cs (life of 4 years)	0 ... +45 / +50 °C depending on the emergency lighting LED Driver used

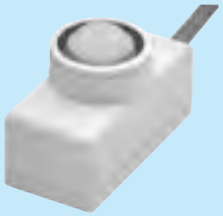
Ordering data

Type	Article number	Number of cells	Capacity	Packaging, carton	Packaging, outer box	Weight per pc.
NiMH Cs cells – stick						
Accu-NiMH 4Ah C 3A	**89899854**	1 x 3	4 Ah	5 pc(s).	25 pc(s).	0.226 kg
Accu-NiMH 4Ah C 4A	**89899850**	1 x 4	4 Ah	5 pc(s).	25 pc(s).	0.302 kg
Accu-NiMH 4Ah C 5A	**89899851**	1 x 5	4 Ah	5 pc(s).	25 pc(s).	0.377 kg
Accu-NiMH 4Ah C 6A	**89899852**	1 x 6	4 Ah	5 pc(s).	25 pc(s).	0.453 kg
Accu-NiMH C 2A	**89899755**	1 x 2	2 Ah	5 pc(s).	25 pc(s).	0.099 kg
Accu-NiMH C 3A	**89899744**	1 x 3	2 Ah	5 pc(s).	25 pc(s).	0.148 kg
Accu-NiMH C 4A	**89899700**	1 x 4	2 Ah	5 pc(s).	25 pc(s).	0.198 kg
Accu-NiMH C 5A	**89899703**	1 x 5	2 Ah	5 pc(s).	25 pc(s).	0.247 kg
Accu-NiMH C 6A	**89899706**	1 x 6	2 Ah	5 pc(s).	25 pc(s).	0.297 kg
NiMH Cs cells – stick + stick						
Accu-NiMH 4Ah C 6C	**89899853**	3 + 3	4 Ah	5 pc(s).	25 pc(s).	0.453 kg
Accu-NiMH 4Ah C 5C	**89899978**	2 + 3	4 Ah	5 pc(s).	25 pc(s).	0.377 kg
Accu-NiMH C 6C	**89899707**	3 + 3	2 Ah	5 pc(s).	25 pc(s).	0.297 kg
NiMH Cs cells – side by side						
Accu-NiMH C 5B	**89899704**	5 x 1	2 Ah	5 pc(s).	25 pc(s).	0.247 kg

Specific technical data

Type	Number of cells	Capacity	Article number	Figure	Length L	Hole spacing D	Width B	Height H
NiMH Cs cells – stick								
Accu-NiMH 4Ah C 3A	3	4 Ah	89899854	1	215 mm	203 mm	26 mm	26 mm
Accu-NiMH 4Ah C 4A	4	4 Ah	89899850	1	275 mm	263 mm	26 mm	26 mm
Accu-NiMH 4Ah C 5A	5	4 Ah	89899851	1	335 mm	323 mm	26 mm	26 mm
Accu-NiMH 4Ah C 6A	6	4 Ah	89899852	1	395 mm	383 mm	26 mm	26 mm
Accu-NiMH C 2A	2	2 Ah	89899755	1	119 mm	104 mm	26 mm	26 mm
Accu-NiMH C 3A	3	2 Ah	89899744	1	164 mm	152 mm	26 mm	26 mm
Accu-NiMH C 4A	4	2 Ah	89899700	1	206 mm	194 mm	26 mm	26 mm
Accu-NiMH C 5A	5	2 Ah	89899703	1	249 mm	237 mm	26 mm	26 mm
Accu-NiMH C 6A	6	2 Ah	89899706	1	292 mm	280 mm	26 mm	26 mm
NiMH Cs cells – stick + stick								
Accu-NiMH 4Ah C 6C	6	4 Ah	89899853	2	215 mm	203 mm	26 mm	26 mm
Accu-NiMH 4Ah C 5C	5	4 Ah	89899978	2	155 + 215 mm	143 + 203 mm	26 mm	26 mm
Accu-NiMH C 6C	6	2 Ah	89899707	2	164 mm	152 mm	26 mm	26 mm
NiMH Cs cells – side by side								
Accu-NiMH C 5B	5	2 Ah	89899704	3	148 mm	40 x 96 mm	54 mm	25 mm

Product overview



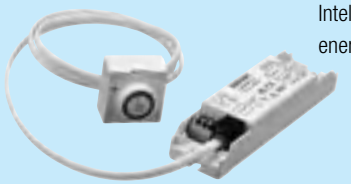
SMART sensors
Intelligent energy savings

Thanks to the digital SMART interface it is possible to connect daylight, presence and remote control sensors easily and directly to the ballast. In this way we can guarantee maximum energy savings and maximum comfort.



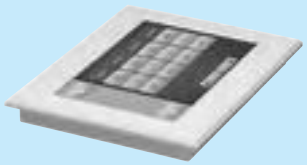
SWITCH sensor
Simple solutions with impressive functionality

These sensors react to movement and light, switching the light on and off. They can be used either for direct switching of control gear or in conjunction with the TRIDONIC corridorFUNCTION. In conjunction with the corridorFUNCTION up to 20 devices can be switched by one sensor.



basicDIM
Intelligent network – and maximum energy savings

The three most important requirements that modern lighting management systems have to meet are visual comfort, suitability to the tasks being performed and energy efficiency. With just a small addition you can turn your luminaire into an intelligent system. Compact and with low stand-by losses, it will then save you energy. Round the clock.



comfortDIM
Comfortable lighting. For unrestricted freedom

Our comfortDIM light management system is based on two principles: comfort and independence. Your projects benefit from simplicity and maximum flexibility. At start-up and beyond.



DSI-Aktoren
Simple solutions with a huge impact

With DSI actuators appropriate light management solutions can be setup quickly and reliably. Even large lighting systems can be efficiently designed.

Product / function matrix

Portfolio	DALI								SMART
	DALI sensor	DALI control modules							
	DALI MSensor 02	DALI GC/GC-A	DALI SC/SC-A	DALI MC	DALI XC	DALI TOUCHPANEL 02	x/e touchPANEL 02	DALI SQM	SMART Sensor
Manual dimming		yes		yes	yes	yes	yes		
Presets / scenes	yes		yes	yes	yes	yes	yes		
Motion detection	yes								yes
Daylight control / ambient light control	yes								yes
Remote control	yes								yes
Tunable white					yes	yes	yes		
Automatic scene control (sequence)				yes	yes		yes	yes	
Time-controlled daily processes (scheduler)							yes		
Type of mounting: built-in	yes	yes	yes	yes	yes			yes	
Type of mounting: surface-mount	yes					yes	yes		
SMART interface									yes

Portfolio	basicDIM							
	basicDIM DGC	basicDIM RCL / RCL DBC	basicDIM ILD	DSI-SMART PTM	smartDIM SM Ip	modularDIM	DSI-V/T	DSI-A/D
Manual dimming	yes	yes	yes	yes	yes	yes	yes	yes
Presets / scenes	yes					yes	yes	
Motion detection	yes	yes	yes	yes	yes	yes	yes	
Daylight control / ambient light control	yes	yes	yes	yes	yes	yes		yes
Remote control	yes		yes	yes				
Type of mounting: built-in	yes	yes	yes	yes	yes	yes	yes	yes
Type of mounting: surface-mount	yes			yes			yes	
Switching contact (relay)	yes				yes			
Switch input	yes	yes	yes	yes	yes	yes	yes	yes
DALI IN	yes							

Portfolio	SWITCH Sensor	
	Smart SWITCH II	SWITCH Sensor HF 5BP
Motion detection	yes	yes
Daylight control / ambient light control	yes	yes
Type of mounting: built-in	yes	yes
Switching contact (relay)	yes	yes

luxCONTROL lighting control systems

Intelligent lighting control
The right light in the right amount at the right place – this saves energy and creates an individual level of lighting comfort that promotes a feeling of well-being. luxCONTROL components from Tridonic provide the basis for innovative and tailor-made lighting solutions in which maximum energy efficiency is combined with optimum functionality for the specific application. luxCONTROL represents the next generation of lighting management for modern lighting systems with daylight-dependent control, spectacular lighting moods and impressive colour chases.

Intelligent luxCONTROL systems are characterised by the optimum interplay of controller, sensors, controls, electronic ballasts and lamps. They are perfectly tailored to work with digital dimmable PCA EXCEL one4all, PCA ECO and PCA BASIC ballasts, TE one4all electronic transformers, digital PCI FOX ballasts, TALEXdriver for LED modules and EM PRO emergency lighting units.

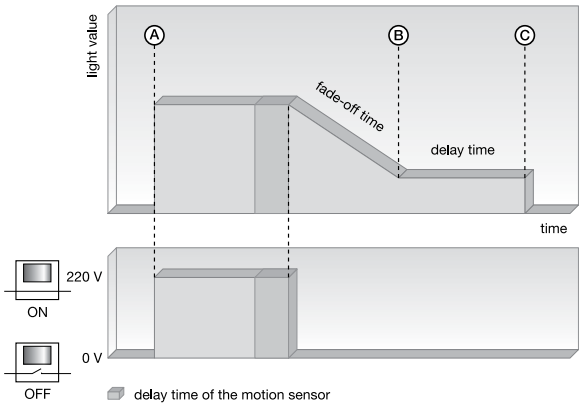
Task-specific lighting management
With luxCONTROL all the lighting tasks are performed with the versions that are ecologically, economically and functionally the most attractive. Integrated solutions enable manufacturers to produce cost-effective energy-saving luminaires. Lighting planners and installers can use the right configuration based on an extensive range of equipment to suit the specific task and the required lighting design.

Tried and tested DSI technology (Digital Serial Interface) and the DALI interface protocol (Digital Addressable Lighting Interface) offer impressive flexibility – from individual intelligent luminaires and large room installations to lighting concepts for buildings that can even be linked to emergency lighting systems to provide a total package.

Ballasts from Tridonic: the simplest form of lighting management
switchDIM applications use the mains voltage as the control signal for the digital dimmable ballasts from Tridonic. This is the simplest form of lighting management, which makes switchDIM uncomplicated, cost-effective and extremely user-friendly. Only simple conventional mains voltage switches are therefore needed to dim and switch the lighting system from several locations.



Safe passage with integrated corridorFUNCTION
In presence-controlled lighting systems the corridorFUNCTION integrated in dimmable ballasts from Tridonic provides a new level of energy efficiency, safety and comfort. Instead of being switched-off abruptly if no movement is detected in stairwells, corridors, underground car parks or entrance halls, the lighting is dimmed to a low level and then switched-off after a delay of one minute. As soon as someone enters the room the light is switched back up to its full level.



corridorFUNCTION – huge benefits in terms of energy efficiency, safety and comfort. Within a user-definable time window (fade-off time) the lighting is dimmed to a low level (B) and switched-off after a certain dwell time (C). Alternatively the lighting can remain at this low background level.

SMART sensors – elements of a cost-effective constant lighting solution
Simple, cost-effective and energy-efficient constant lighting systems can be produced on the basis of digital dimmable PCA EXCEL one4all, PCA ECO and PCA BASIC, ballasts. SMART sensors, which are connected to the ballasts via the Tridonic SMART Interface, register the available ambient light or the presence of a person in the room. The level of light can be regulated to a user-defined constant light value or the luminaire can be switched-off if there is no-one in the room.

The compact components are easy to integrate, enabling luminaire manufacturers to offer products with added intelligence without having to compromise on the freedom of optimum design. Further control inputs on the ballast enable the luminaires to be integrated in a complete lighting system.

DSI – simply functional
To optimise the energy consumption of extensive groups of luminaires, for example in sports stadiums or factories, there are solutions based on the modularDIM system and the DSI digital interface. The attractive functions of a DSI lighting management system include simple programming of scenes and the option of common routing of the control line and mains power supply cabling in one duct. Digital transmission means no problems of interference and an identical dimming value for all the luminaires.

DALI – the established standard
DALI enables up to 64 digital dimmable ballasts with one4all interfaces to be individually addressed on a single line, 16 groups to be assigned and 16 lighting scenes to be programmed. Regrouping is possible at any time without the need for costly rewiring, for example after renovation or a change of function for a room.

With individual addressability and status feedback, the DALI-based comfortDIM lighting control systems not only offer top-quality monitoring functions but also open up new opportunities for developing high-quality lighting solutions because the various parameters can be easily programmed. With comfortDIM it is also possible for external systems such as louvre blind controllers to be integrated in the overall concept.

Other functions that have been implemented by Tridonic in ballasts with one4all interfaces and that go beyond the DALI standard contribute to greater lighting comfort and even greater energy savings.

Intelligent emergency lighting system
Compact emergency lighting systems for up to 120 individually addressable DALI emergency lighting LED Driver are easily implemented with e-touch. The status report for the emergency lighting system can be retrieved locally via an infra-red interface or in a networked installation with EM LINK software (available free of charge) via a standard web browser (TCP/IP).

Technical information
The latest technical information is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “Data sheets”

Personal enquiries
A form for personal enquiries is available on the internet at: www.tridonic.com, menu “Contact”, submenu “Contact form”

RoHS

SMART Sensor 5D 19f

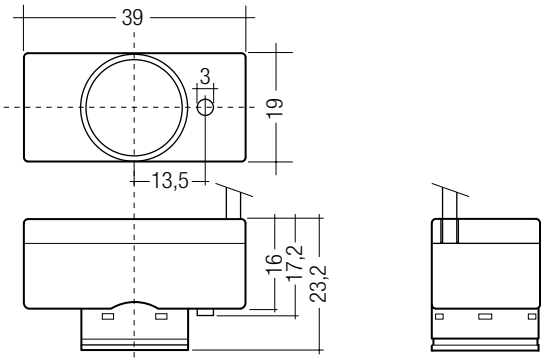
Ambient light sensor for lighting control

Product description

- Optional ambient light sensor for PCA EXCEL one4all, PCA ECO and PCA BASIC devices from the x!tec II generation
- With ambient light dependent control
- Simple setting of the set-point via integrated momentary-action switch at the sensor
- Compact dimensions for luminaire installation
- Simple cable connection to the ballast via SMART interface
- Power supply via ballast
- Max. installation height 5 m

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +70 °C
Storage temperature ts	-20 ... +75 °C
Type of protection	IP20
Max. casing temperature tc	73 °C

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5D 19f	**28000888**	20 pc(s).

Specific technical data

Type	Detection			Max. cable length	Control output (devices)
	Light detection angle symmetric	Light measurement at the sensor head ①	Illuminance (factory default) ②		
SMART Sensor 5D 19f	42 °	40 – 1,000 lx	500 lx	0.8 m	1

① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

RoHS

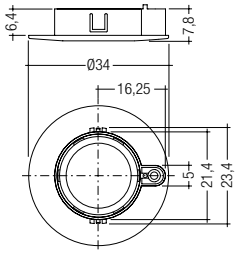
ACCES-SORIES

SMART Sensor Cover Frame

Product description

- Cover frame for attaching the sensor directly to the luminaire casing





Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Mounting Ring 5D(P)	**28000909**	50 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor T5 / T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light



T5 Clip + Cap



T8 Clip + Cap

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	**28000915**	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	**28000917**	10 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor Cap

Product description

- Cover to protect against indirect light



Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor Cap	**28000918**	50 pc(s).	500 pc(s).

RoHS

SMART Sensor 5DP 19f

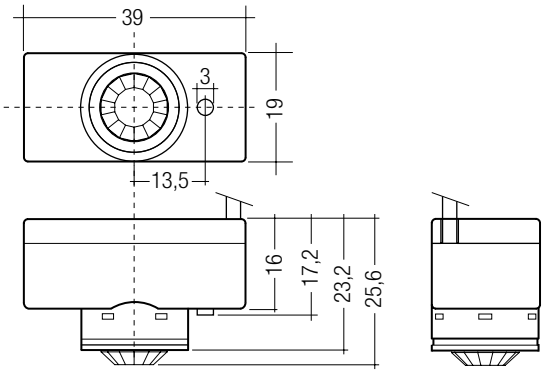
Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and motion detector for PCA EXCEL one4all devices from the xtec II generation
- Simple setting of the set-point via integrated momentary-action switch at the sensor
- Compact dimensions for luminaire installation
- Simple cable connection to the ballast via SMART interface
- Power supply via ballast
- Lighting control and presence detection can be deactivated
- Individual adjustment of the parameters with configuration software
- Max. installation height 5 m

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +60 °C
Storage temperature ts	-20 ... +65 °C
Type of protection	IP20
Max. casing temperature tc	63 °C

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5DP 19f	**86459170**	20 pc(s).

Specific technical data

Type	Detection				Max. cable length	Control output (devices)
	Light detection angle asymmetric	Light measurement at the sensor head ①	Illuminance (factory default) ②	Motion detection angle symmetric		
SMART Sensor 5DP 19f	31 °	40 – 1,000 lx	500 lx	92 °	0.8 m	1

① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

RoHS

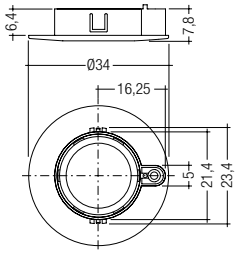
ACCES-SORIES

SMART Sensor Cover Frame

Product description

- Cover frame for attaching the sensor directly to the luminaire casing





Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Mounting Ring 5D(P)	**28000909**	50 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor T5 / T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light



T5 Clip + Cap



T8 Clip + Cap

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	**28000915**	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	**28000917**	10 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor Cap

Product description

- Cover to protect against indirect light



Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor Cap	**28000918**	50 pc(s).	500 pc(s).

RoHS

SMART Sensor 5DP 19fe

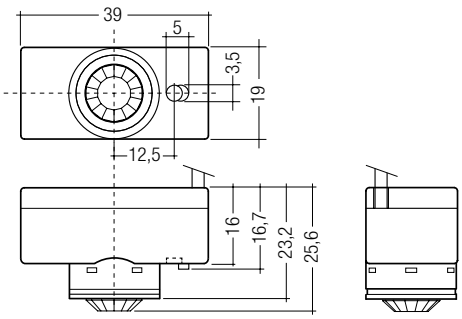
Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and presence detector for PCA EXCEL one4all devices from the xitec II generation
- Can be remote controlled
- Compact dimensions for luminaire installation
- Simple cable connection to the ballast via SMART interface
- Power supply via ballast
- Lighting control and presence detection can be deactivated
- Individual adjustment of the parameters with configuration software
- Optional with corridorFUNCTION profile
- Optional connection with second ballast possible via accessory cable
- Max. installation height 5 m

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +60 °C
Storage temperature ts	-20 ... +65 °C
Type of protection	IP20
Max. casing temperature tc	63 °C

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5DPI 19fe	**28000922**	20 pc(s).
SMART Sensor 5DPI 19fe cF n.o.	**28000929**	20 pc(s).
SMART Sensor 5DPI 19fe cF 01	**28000927**	20 pc(s).
SMART Sensor 5DPI 19fe cF 30	**28000928**	20 pc(s).

Specific technical data

Type	Detection				Max. cable length	Control output (devices)	corridorFUNCTION profile
	Light detection angle asymmetric	Light measurement at the sensor head ①	Illuminance (factory default) ②	Motion detection angle symmetric			
SMART Sensor 5DPI 19fe	31°	40 – 1,000 lx	500 lx	92°	0.8 m	2	–
SMART Sensor 5DPI 19fe cF n.o.	31°	40 – 1,000 lx	500 lx	92°	0.8 m	2	never off
SMART Sensor 5DPI 19fe cF 01	31°	40 – 1,000 lx	500 lx	92°	0.8 m	2	switch-off 1 minute
SMART Sensor 5DPI 19fe cF 30	31°	40 – 1,000 lx	500 lx	92°	0.8 m	2	switch-off 30 minutes

① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

RoHS

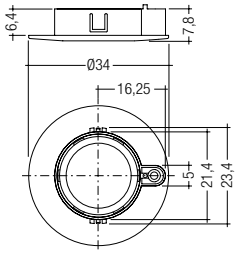
ACCES-SORIES

SMART Sensor Cover Frame

Product description

- Cover frame for attaching the sensor directly to the luminaire casing





Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Mounting Ring 5DPI	**28000910**	50 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor T5 / T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light



T5 Clip + Cap



T8 Clip + Cap

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	**28000915**	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	**28000917**	10 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor Cap

Product description

- Cover to protect against indirect light



Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor Cap	**28000918**	50 pc(s).	500 pc(s).

RoHS

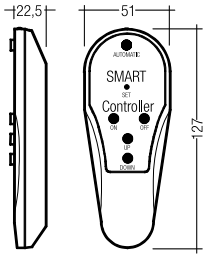
ACCES-SORIES

IR SMART Controller

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)
- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	86451922	1 pc(s).	0.075 kg

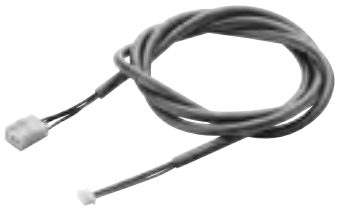
RoHS

ACCES-SORIES

SMART Sensor Extension Cable

Product description

- Cable for optional connection of the sensor with a second ballast
- Only use with SMART Sensor 19fe



Ordering data

Type	Article number	Packaging, carton
SMART Sensor Extension Cable	86459176	1,500 pc(s).

RoHS

SMART Sensor 10DPI 19fe

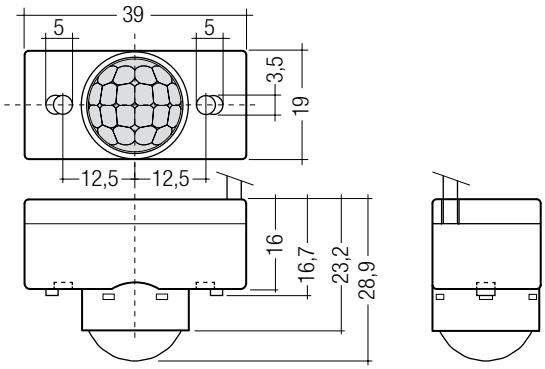
Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and motion detector for PCA EXCEL one4all devices from the xtec II generation
- Can be remote controlled
- Max. installation height 10 m
- Compact dimensions for luminaire installation
- Simple cable connection to the ballast via SMART interface
- Power supply via ballast
- Lighting control and presence detection can be deactivated
- Individual adjustment of the parameters with configuration software
- Optinal with corridorFUNCTION profile
- Optional connection with second ballast possible via accessory cable

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	SMART interface
Current draw	1 mA from SMART interface
Operating temperature	0 ... +60 °C
Storage temperature ts	-20 ... +65 °C
Type of protection	IP20
Max. casing temperature tc	63 °C

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 10DPI 19fe	**28000923**	20 pc(s).
SMART Sensor 10DPI 19fe cF n.o.	**28000926**	20 pc(s).
SMART Sensor 10DPI 19fe cF 01	**28000924**	20 pc(s).
SMART Sensor 10DPI 19fe cF 30	**28000925**	20 pc(s).

Specific technical data

Type	Detection				Max. cable length	Control output (devices)	corridorFUNCTION profile
	Light detection angle symmetric	Light measurement at the sensor head ①	Illuminance (factory default) ②	Motion detection angle symmetric			
SMART Sensor 10DPI 19fe	38 °	40 – 1,000 lx	500 lx	93 °	0.8 m	2	–
SMART Sensor 10DPI 19fe cF n.o.	38 °	40 – 1,000 lx	500 lx	93 °	0.8 m	2	never off
SMART Sensor 10DPI 19fe cF 01	38 °	40 – 1,000 lx	500 lx	93 °	0.8 m	2	switch off 1 minute
SMART Sensor 10DPI 19fe cF 30	38 °	40 – 1,000 lx	500 lx	93 °	0.8 m	2	switch off 30 minutes

① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

RoHS

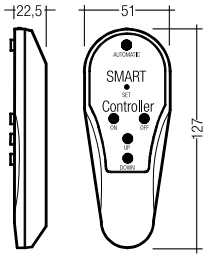
ACCES-SORIES

IR SMART Controller

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)
- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

RoHS

ACCES-SORIES

SMART Sensor Extension Cable

Product description

- Cable for optional connection of the sensor with a second ballast
- Only use with SMART Sensor 19fe



Ordering data

Type	Article number	Packaging, carton
SMART Sensor Extension Cable	**86459176**	1,500 pc(s).

ACCES-SORIES

SMART-Sensor T5 / T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light



T5 Clip + Cap



T8 Clip + Cap

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	**28000915**	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	**28000917**	10 pc(s).	200 pc(s).

ACCES-SORIES

SMART-Sensor Cap

Product description

- Cover to protect against indirect light



Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor Cap	**28000918**	50 pc(s).	500 pc(s).

Smart SWITCH II

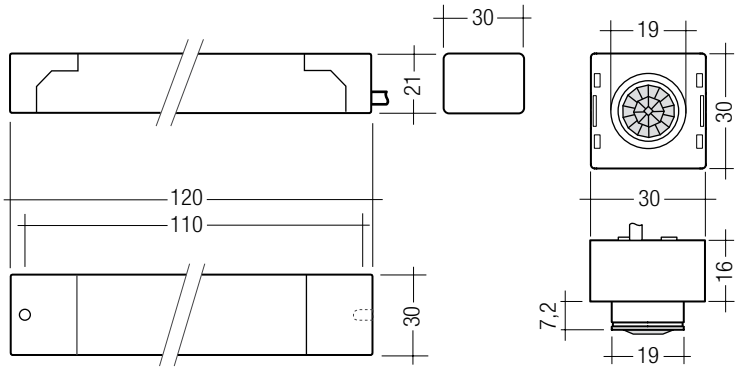
Automatic switching based on motion and light level

Product description

- Motion detector for luminaire installation
- For automatic on/off switching of luminaires with electronic ballasts
- "Bright-Out" function: luminaire is not switched on if there is adequate brightness
- Maximum of 1 sensor possible
- Low profile casing (21 x 30 mm)
- For a maximum of 2 ECGs
- Delay time and light value for the "Bright-Out" function can be set via 2 potentiometers

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	7.5 VA
Output, stand-by	0.6 W
Ambient temperature ta	0 ... +60 °C

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Smart SWITCH II	**28000871**	10 pc(s).	0.055 kg
Smart SWITCH strain relief	**28000867**	10 pc(s).	0.055 kg

Specific technical data

Type	Inputs		Output, relay (L')			
	Max. Smart SWITCH sensors	Sensor cable length	L' (switched line)	Max. switching output (e.g. LCA)	Max. switching output [W]	Max. switching output [VA]
Smart SWITCH II	1	0.50 m (can be extended to 2 m max.)	220 – 240 V	2	500 W	200 VA
Smart SWITCH strain relief	1	0.25 m (can be extended to 2 m max.)	220 – 240 V	2	500 W	200 VA

RoHS

SWITCH Sensor HF 5BP

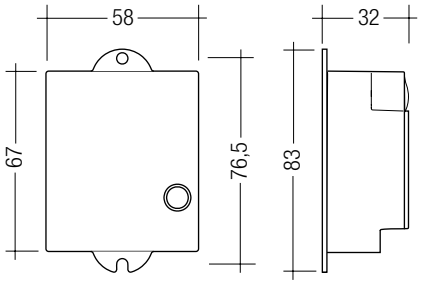
Automatic switching based on motion and light level

Product description

- Motion detector for luminaire installation
- Motion detection through glass and thin materials (except metal)
- For automatic on/off switching of electronic ballasts with corridorFUNCTION
- "Bright-Out" function: luminaire is not switched on if there is adequate brightness
- Delay time, detection range and light value for the "Bright-Out" function can be set via 3 potentiometers
- Max. installation height 5 m
- Infinitely variable range (0.5 – 5.0 m)
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	< 0.5 W
Detection angle	160°
Ambient temperature ta	-20 ... +75 °C
Storage temperature ts	-20 ... +75 °C
Humidity	min. 5 % ... max. 85 % at 30 °C
Type of protection	IP20
Housing material	PC, halogen-free
Housing colour	RAL 9016

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.077 kg

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Dimensions L x W x H	Detection			Output, relay (L')	
		Detection angle	Transmission power	Frequency	L' (switched line)	Switching output (at 240 V AC max.) ①
SWITCH Sensor HF 5BP	83 x 58 x 32 mm	160°	1 mW	5.8 GHz	220 – 240 V	1,000 W / 4 A (ohmic load)

① Inductive: 500 VA, cos phi > 0.5; capacitive: max. 2 ECG (à 54 W, max. 50 µF); inrush current: max. 160 A / 200 µs; up to 100.000 switching cycles.

CE RoHS

basicDIM ILD

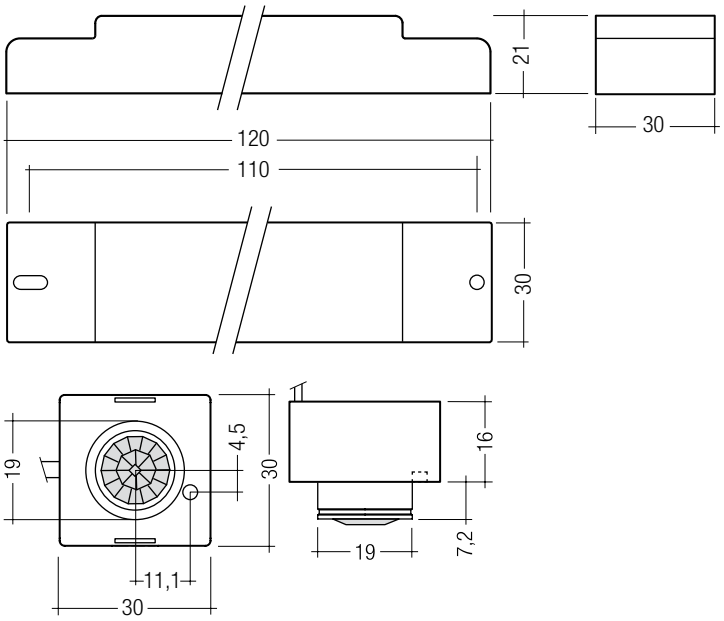
Compact control module with ambient light sensor and motion sensor

Product description

- Compact dimensions for luminaire installation
- For up to 10 DSI or DALI ballasts
- 2 DALI/DSI output channels with adjustable negative off set from channel 2 to channel 1
- Ambient light sensor with motion detector
- Max. installation height 5 m
- Momentary-action switch input for on/off switching and dimming
- Can be remote controlled
- Individual adjustment of the parameters with DSI-SMART programmer
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	2 W
Output, stand-by	0.5 W
Momentary-action switch input for dimming	single
Digital control line DSI/DALI	2
Control output (devices)	10
Max. output cable length at 1.5 mm²	100 m
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection	IP20
Max. casing temperature tc	75 °C

Ordering data

Type	Article number	Mounting	Packaging, carton
basicDIM ILD	**28000905**	Luminaire installation	10 pc(s).

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Detection				Max. cable length sensor
	Light detection angle asymmetric	Light measurement at the sensor head ①	Illuminance (factory default) ②	Motion detection angle symmetric	
basicDIM ILD	83 °	5 – 500 lx	500 lx	92 °	0.8 m

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked in the installation and adjusted if necessary.

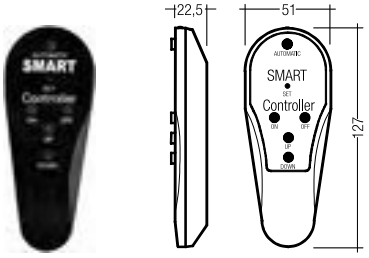
RoHS

ACCES-SORIES

IR SMART Controller

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

ACCES-SORIES

basicDIM ILD Programmer

Product description

- Optinal infra-red programming unit for basicDIM ILD
- Setting of predefined discrete parameter values
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM ILD Programmer	**28000257**	210 pc(s).	0.3 kg

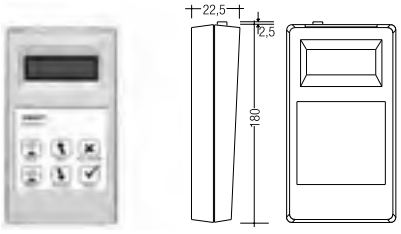
RoHS

ACCES-SORIES

DSI SMART Programmer

Product description

- Optional infra-red programming unit for DSI-SMART PTM
- Settings can be read and modified
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up
- 5-year guarantee



Ordering data

Type ①	Article number	Packaging, carton	Weight per pc.
DSI-SMART Programmer	**28000843**	1 pc(s).	0.35 kg

① At version 2.30 for basicDIM ILD.

RoHS

ACCES-SORIES

Accessories for smartDIM Sensor, basicDIM ILD

Product description

- Optional for increasing the detection range of the motion detector for smartDIM Sensor 1 or basicDIM ILD
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
smartDIM Mirror	**28000851**	50 pc(s).	0.002 kg

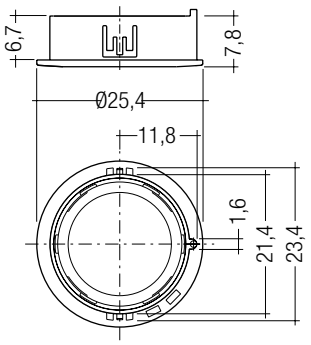
ACCES-SORIES

basicDIM ILD Sensor Cover Frame

Product description

- Cover frame for attaching the sensor directly to the luminaire casing





Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
basicDIM Mounting Ring	**28001025**	50 pc(s).	200 pc(s).	0.001 kg

CE RoHS

basicDIM DGC

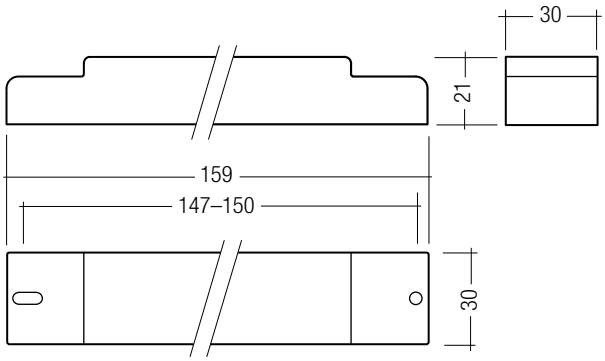
Compact control module with 2 momentary-action switches input and 1 relais output

Product description

- Compact dimensions for luminaire installation
- For up to 20 DSI or DALI ballasts (max. 10 per output channel)
- DALI IN input
- 2 DALI/DSI output channels with adjustable negative off set from channel 2 to channel 1
- 1 relais output
- Sensor input for up to 4 basicDIM DGC sensors 5DPI 14
- 2 switch inputs for on/off switching and dimming
- Individual adjustment of the parameters with basicDIM DGC Programmer or software masterCONFIGURATOR
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	2.5 W
Output, stand-by	0.5 W
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection	IP20
Max. casing temperature tc	70 °C

Ordering data

Type	Article number	Mounting	Packaging, carton
basicDIM DGC	**28000920**	Luminaire installation	10 pc(s).

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Inputs				Outputs				CH2 as Link Line			Output, relay (L')		
	Dimming momentary-action switch	Max. cable length at 1.5 mm²	Max. basicDIM DGC sensors	Max. sensor line length	Digital control line DSI/DALI	Control output per physical output (devices)	Dimming range	Max. cable length at 1.5 mm²	Voltage DC	Max. cable length at 1.5 mm²	Number of combinable modules	Max. switching output (e.g. LCA)	Max. switching output [VA]	Max. switching output [W]
basicDIM DGC	double	100 m	4	10 m	2	10	1 – 100 %	100 m	13 V	100 m	10	2	200 VA	500 W

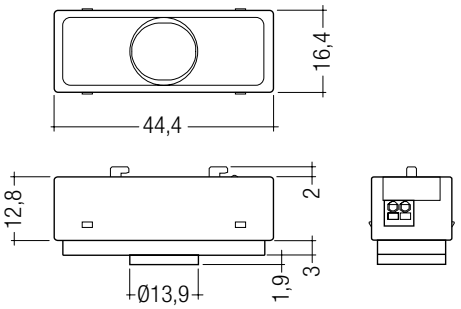
ACCES-SORIES

basicDIM DGC Sensor 5DPI 14f

Product description

- Light measurement and motion detection
- Up to 4 basicDIM DGC sensors on one basicDIM DGC
- Can be remote controlled
- Light measurement and motion detection can be deactivated
- Individual adjustment of the parameters with basicDIM DGC Programmer or software masterCONFIGURATOR
- Power supply via basicDIM DGC





Technical data

Ø of detection range, mounted at a height of 2.5 m	4 m
Swivel design	no
Detection angle	360°
Light measurement at the sensor head ①	10 – 650 lx
Infra-red control range	5 m
Max. mounting height	5 m
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM DGC Sensor 5DPI 14f Luminaire installation	**28000933**	40 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

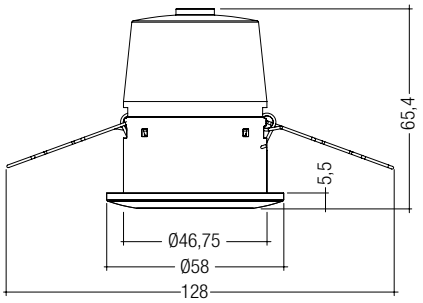
ACCES-SORIES

basicDIM DGC Sensor 5DPI 14rc

Product description

- Light measurement and motion detection
- Up to 4 basicDIM DGC sensors on one basicDIM DGC
- Can be remote controlled
- Light measurement and motion detection can be deactivated
- Individual adjustment of the parameters with basicDIM DGC Programmer or software masterCONFIGURATOR
- Power supply via basicDIM DGC





Technical data

Ø of detection range, mounted at a height of 2.5 m	4 m
Swivel design	no
Detection angle	360°
Light measurement at the sensor head ①	10 – 650 lx
Infra-red control range	5 m
Max. mounting height	5 m
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM DGC Sensor 5DPI 14rc Ceiling installation	**28000934**	1 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

ACCES-SORIES

basicDIM DGC Programmer

Product description

- Optinal infra-red programming unit for basicDIM DGC
- Setting of predefined discrete parameter values
  Programmable functions such as light level, time delay, P.I.R., bright-out, power up



Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton
basicDIM DGC PROGRAMMER	28000646	130 x 56 x 15 mm	1 pc(s).

ACCES-SORIES

REMOTECONTROL IR6

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)



Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton
REMOTECONTOL IR6	28000647	86.5 x 40.5 x 7.2 mm	1 pc(s).

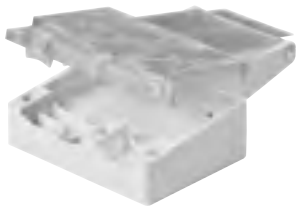
RoHS

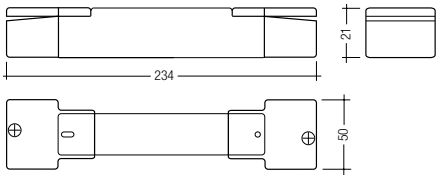
ACCES-SORIES

Strain-relief set

Product description

- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton
Strain-relief set	28000881	10 pc(s).

RoHS

DSI-SMART PTM

Ambient light sensor and motion detector for constant lighting control

Product description

- Ambient light sensor with motion detector
- Momentary-action switch input for on/off switching and dimming
- 3 different casing versions
- For 4 or 25 DSI or DALI ballasts
- Functions can be configured with the DSI-SMART Programmer
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +60 °C
Type of protection	IP20

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet



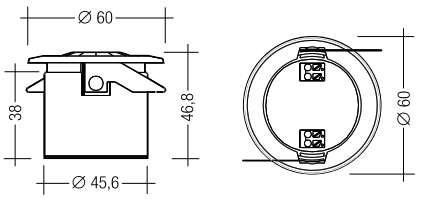


Fig. 1



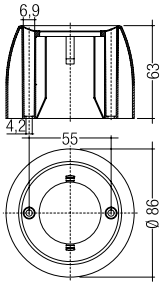


Fig. 2

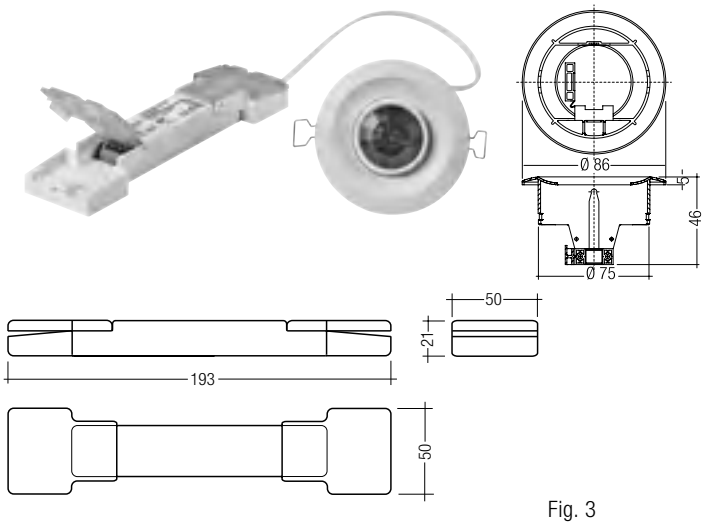


Fig. 3

Ordering data

Type	Article number	Figure	Packaging, carton
DSI-SMART PTM integrated Luminaire installation	**28000878**	1	10 pc(s).
DSI-SMART PTM remote surface Surface mounting	**28000940**	2	20 pc(s).
DSI-SMART PTM remote ceiling Ceiling installation	**28000877**	3	10 pc(s).

Specific technical data

Type	Supply		Detection	Inputs	Outputs		
	Power	Output, stand-by	Light measurement at the sensor head ①	Dimming momentary-action switch	Digital control line DSI/DALI ②	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm²
DSI-SMART PTM integrated	1.7 W	1.5 W	5 – 500 lx	single	1	4	250 m
DSI-SMART PTM remote surface	1.7 W	1.5 W	5 – 500 lx	single	1	4	250 m
DSI-SMART PTM remote ceiling	3.9 W	1.3 W	5 – 500 lx	single	1	25	250 m

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.
② DALI from DSI SMART PTM V1.1. For parameterization the DSI SMART Programmer from V2.01 is required.

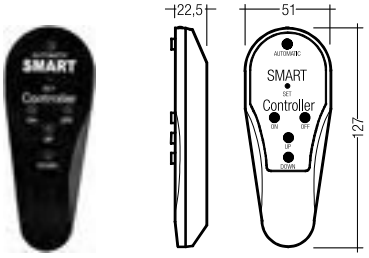
RoHS

ACCES-SORIES

IR SMART Controller

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

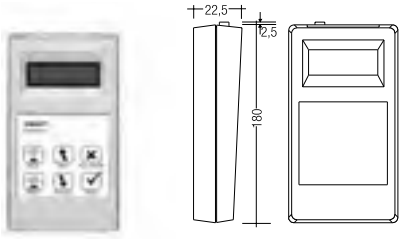
RoHS

ACCES-SORIES

DSI SMART Programmer

Product description

- Optional infra-red programming unit for DSI-SMART PTM
- Settings can be read and modified
- Programmable functions such as light level, time delay, P.I.R., bright-out, power up
- 5-year guarantee



Ordering data

Type ①	Article number	Packaging, carton	Weight per pc.
DSI-SMART Programmer	**28000843**	1 pc(s).	0.35 kg

① At version 2.30 for basicDIM ILD.

RoHS

DSI-V/T

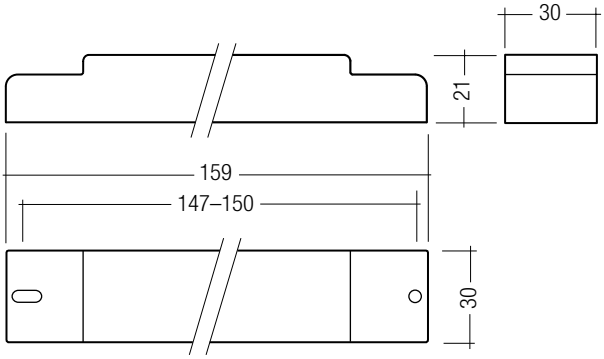
Control module for amplifying DSI signals or switch input

Product description

- Multi-functional DSI controller
- For amplifying the DSI signal for a maximum of 50 DSI devices or for cascading long lines
- Special function for tunnel applications
- Function can be set via DIP switches
- Input for manual dimming
- Input for motion detector or momentary-action switch for scene recall
- Different motion detector functions can be set
- One scene can be set and recalled
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	120 – 277 V
Mains frequency	50 / 60 Hz
Power	1 W
Ambient temperature ta	-25 ... +60 °C
Type of protection	IP20

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
DSI-V/T	**28000882**	10 pc(s).

Specific technical data

Type	Inputs			Outputs		
	Dimming momentary-action switch	Presence sensor	DSI signal ①	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm² ②
DSI-V/T	1-way / 2-way	1	1	1	50	250 m

① One DSI-V/T corresponds to the DSI load of two DSI devices.
② Max. cable length in tunnel/security mode = 500 m (DSI-V function only).

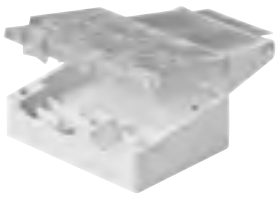
RoHS

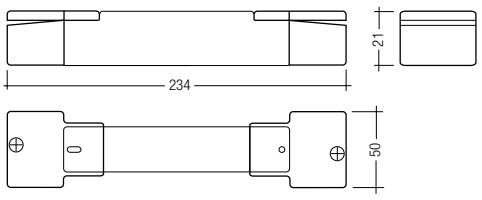
ACCES-SORIES

Strain-relief set

Product description

- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton
Strain-relief set	**28000881**	10 pc(s).

DALI MSensor 02

Multi-sensor for DALI system

Product description

- Component of the comfortDIM system (DALI standalone)
- With ambient light dependent control and presence detection
- Simple group assignment via rotary switch
- Multiple MSensors possible in a group
- Can be remote controlled
- Lighting control and presence detection can be deactivated
- Individual adjustment of the parameters with configuration software
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Power supply via DALI line

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet



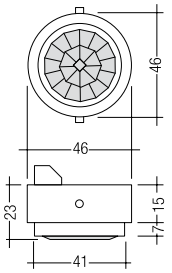


Fig. 1



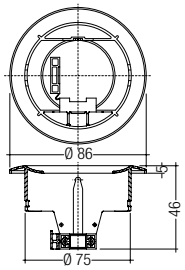


Fig. 2



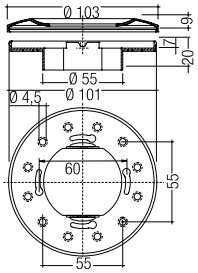


Fig. 3



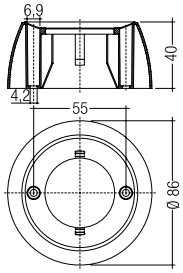


Fig. 4

Ordering data

Type	Article number	Figure	Packaging, carton
DALI-MSensor 02 5DPI 41f Luminaire installation	**28000897**	1	12 pc(s).
DALI-MSensor 02 5DPI 41rc Ceiling installation	**28000895**	2	20 pc(s).
DALI-MSensor 02 5DPI 41w Box installation	**28000896**	3	20 pc(s).
DALI-MSensor 02 5DPI 41rs Surface mounting	**28000894**	4	20 pc(s).

Specific technical data

Type	Detection						
	Ø of detection range, mounted at a height of 2.5 m	Extension of the detection area①	Swivel design	Swivel range	Detection angle	Light measurement at the sensor head ②	Infra-red control range
DALI-MSensor 02 5DPI 41f	5 m	–	no	0°	360°	10 – 650 lx	5 m
DALI-MSensor 02 5DPI 41rc	5 m	2 m	yes	±15°	360°	10 – 650 lx	5 m
DALI-MSensor 02 5DPI 41w	5 m	2 m	yes	±15°	360°	10 – 650 lx	5 m
DALI-MSensor 02 5DPI 41rs	5 m	–	no	0°	360°	10 – 650 lx	5 m

① If mounted at a height of 2.5 m and swivelled through 15 °.
② The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

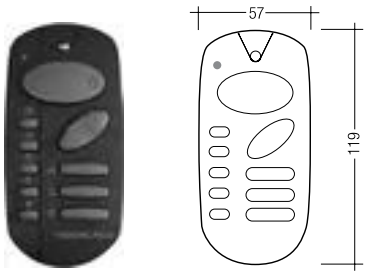
RoHS

ACCES-SORIES

DALI RC

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activating automatic lighting control (sun/cloud button)
- Calling up two scenes
- Calling up five fixed light output values (100, 50, 25, 12 and 6 %)
- Individual adjustment of the button assignments with configuration software
- Setting the threshold control point
- With wall bracket



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-RC	**86458263**	10 pc(s).	0.1 kg

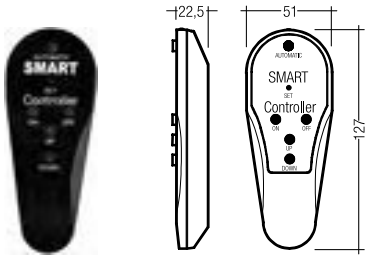
RoHS

ACCES-SORIES

IR SMART Controller

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

RoHS

DALI MSensor 5DPI 14

Multi-sensor for DALI system

Product description

- Component of the comfortDIM system (DALI standalone)
- With ambient light dependent control and presence detection
- Multiple MSensors possible in a group
- Can be remote controlled
- Lighting control and presence detection can be deactivated
- Individual adjustment of the parameters with configuration software
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Power supply via DALI line

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Operating temperature	0 ... +50 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20

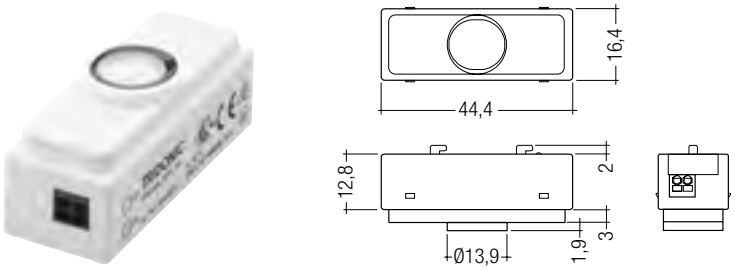


Fig. 1

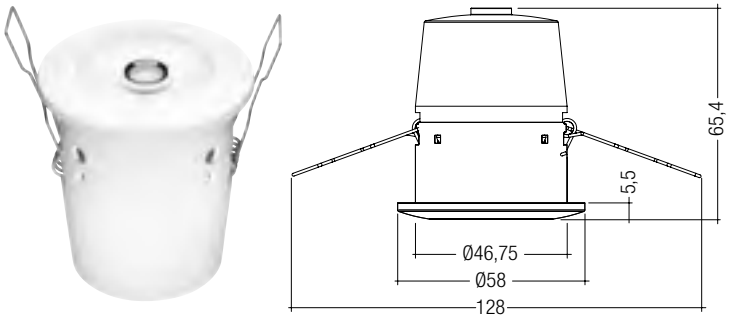


Fig. 2

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Figure	Packaging, carton
MSensor 5DPI 14f Luminaire installation	**28000935**	1	40 pc(s).
MSensor 5DPI 14rc Ceiling installation	**28000936**	2	63 pc(s).

Specific technical data

Type	Detection				
	Ø of detection range, mounted at a height of 2.5 m	Swivel design	Detection angle	Light measurement at the sensor head ①	Infra-red control range
MSensor 5DPI 14f	4 m	no	360°	10 – 650 lx	5 m
MSensor 5DPI 14rc	4 m	no	360°	10 – 650 lx	5 m

① The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

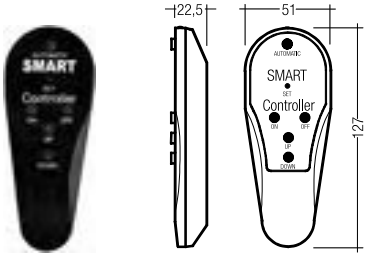
RoHS

ACCES-SORIES

IR SMART Controller

Product description

- Optional infra-red remote control
- Switching on and off (On/Off button)
- Dimming (Up/Down button)
- Activation of automatic lighting control (Automatic button)
- Setting the threshold control point (Set button)
- 5-year guarantee

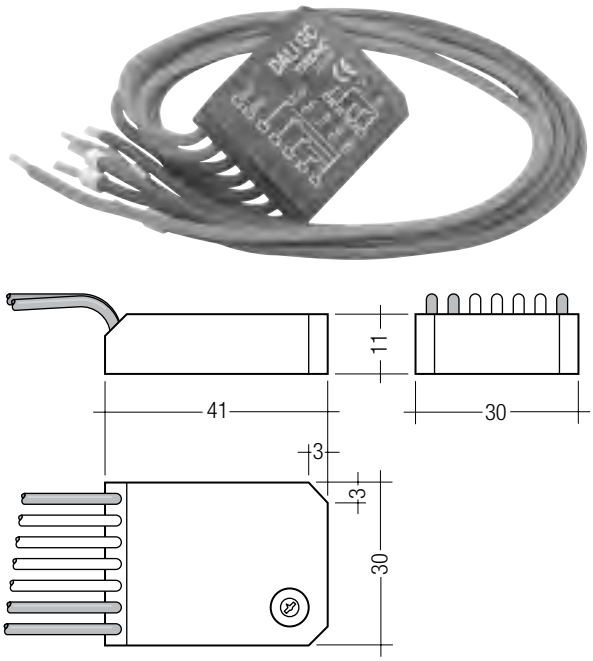


Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

DALI GC / DALI GC-A

Control module for 2 DALI groups



Product description

- Control module for standard momentary-action switch
- For sending dimming and switching commands to two DALI groups
- 2 momentary-action switch inputs
- DALI GC only: DALI devices can be addressed and assigned by means of a simple key sequence
- Rotary switch for selecting groups 1 – 16 or “broadcast”
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Power supply via DALI line
- 5-year guarantee

Note

- Wires to momentary-action switches must not be extended

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Input, 2 momentary-action switches	1-way / 2-way
Output	DALI
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI GC	**24033450**	1 pc(s).
DALI GC-A	**24138907**	1 pc(s).

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For standards see data sheet

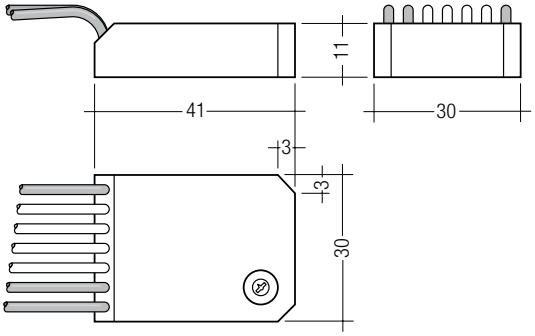
Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

DALI SC / DALI SC-A

Control module for 4 DALI lighting scenes





Product description

- Control module for standard momentary-action switch
- For calling up lighting scene values in DALI devices
- 4 momentary-action switch inputs
- DALI SC only: Lighting scene values in DALI devices can be programmed by means of a simple key sequence
- Rotary switch for selecting 4 DALI scenes 1 – 16
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Power supply via DALI line
- 5-year guarantee

Note

- Wires to momentary-action switches must not be extended

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Input, 4 momentary-action switches	single
Output	DALI
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI SC	**24034263**	100 pc(s).
DALI SC-A	**24138906**	1 pc(s).

For standards see data sheet

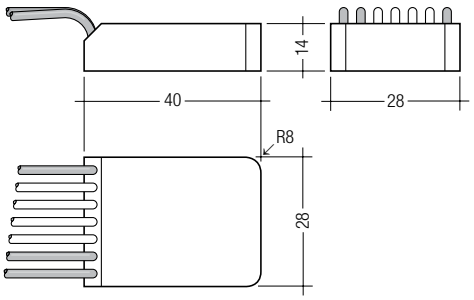
Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

DALI MC

Control module with 4 freely programmable inputs





Product description

- Control module with 4 inputs
- User-definable switching modes
- Each input can be individually set
- Objective: Setting individual addresses 1 – 64, groups 1 – 16 or “broadcast”
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Sequencer for 4 scenes
- Stairwell function with 2 dimming levels
- Power-up function for sending a preset command after a delay
- Power supply via DALI line
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA from DALI
Input	4 momentary-action switches or relays
Output	DALI
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI MC	**86458507**	250 pc(s).

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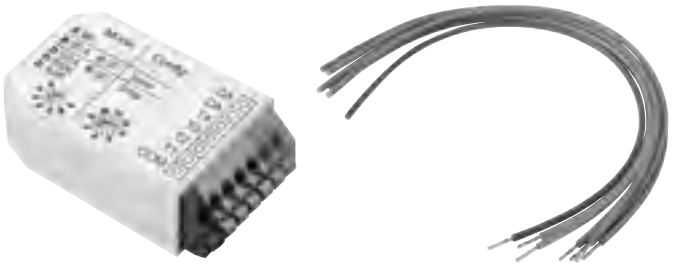
For standards see data sheet

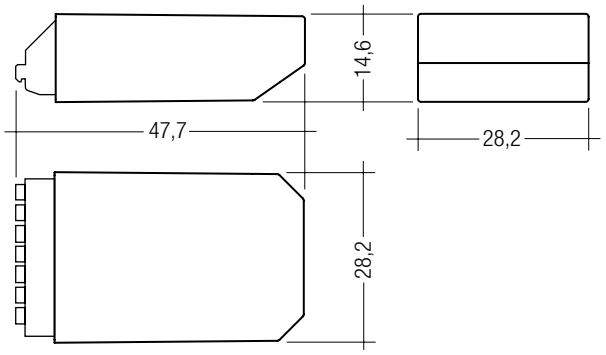
Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

DALI XC

Control module with 4 freely programmable inputs





Product description

- DALI input controller
- 4 independent inputs for floating contacts
- For connecting standard momentary-action switch or switches
- Adjustable operating mode and range via 2 rotary selector
- Multiple DALI XCs possible on the DALI line
- Power supply via DALI line
- Connection wires according to the terminal colours with 25 cm length included
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Supply via	DALI cable
Current draw	6 mA
Input	4 momentary-action switches or relais
Output	DALI
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +80 °C
Turn on time	≤ 6 s
Humidity	20 ... 90 % (non-condensing)
Type of protection	IP20
Mounting	Mounting box 60 x 61 (ø x T)
Housing material	PC, halogen-free polycarbonate, non-flammable
Dimensions L x W x H	47.7 x 28.2 x 14.6 mm

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI XC	**22185327**	180 pc(s).	0.087 kg

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

DALI CE RoHS

DALI TOUCHPANEL 02

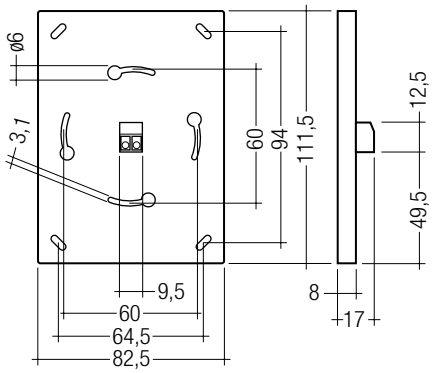
Operating and control unit

Product description

- Control panels and controllers for DALI systems
- For controlling multiple luminaire groups and calling up preset lighting scenes
- Flexible design: individual design can be used
- Multi-master compatible: Multiple control modules are possible in a DALI system
- Power supply via DALI line
- Individual adjustment of the control panel and button assignments with configuration software
- Setting group addresses or “broadcast”
- Setting scenes
- Tunable white (colour converter) control (colour temperature along the Planckian Locus)
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	DALI cable
Current draw	6 mA
Output	DALI
Ambient temperature ta	0 ... +50 °C
Storage temperature ts	0 ... +50 °C
Humidity	5 % ... max. 85 % (non-condensing)
Type of protection	IP20
Housing material	ABS
Housing colour	RAL 9010

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI TOUCHPANEL02 white	**28000022**	1 pc(s).	0.115 kg

→

For standards see data sheet

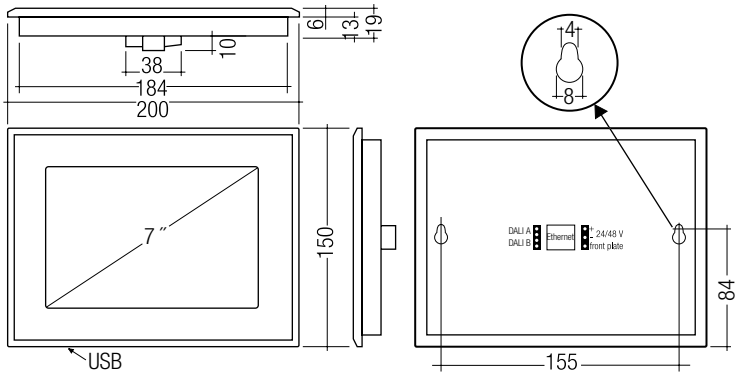
Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

DALI x/e-touchPANEL 02

Lighting and emergency lighting control system





Technical data

Rated supply voltage mains adapter	230 – 240 V
Mains frequency mains adapter	50 / 60 Hz
Rated supply voltage DALI x/e-touchPANEL 02	24 – 48 V DC
Power	10 W
Number of DALI circuits	2
Current consumption of each DALI line	2 mA
Ambient temperature ta	0 ... +50 °C
Touchscreen size	7“
Touchscreen pixel	800 x 480
Colours	64K
Interface	USB, Ethernet
Dimensions L x W x H	200 x 150 x 20 mm
Distance between mounting holes (D)	155 mm
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI x/e-touchPANEL 02	**28000005**	1 pc(s).

Product description

DALI control system with 2 mode options:

- Light management in mains mode
- Emergency lighting management

Properties

- Colour touch screen (7“)
- Background lighting with RGB LEDs
- User-friendly application software
- With DALI system functions of addressing and grouping
- USB and ethernet interface
- Can be remote-controlled via standard internet browser or em-LINK software (available at www.tridonic.com)
- Up-/downloading of the emergency lighting test report and firmware via USB or Ethernet
- 5-year guarantee

Lighting management

- Lighting management system with up to 128 DALI ECGs
- Start-up, control and operating unit
- Manual dimming and switching
- Manual scene recall or timed scene recall with a maximum of 99 sequences
- Tunable white (colour converter) control (colour temperature along the Planckian Locus)
- Weekday-controlled sequence programming (schedule)
- User-defined labelling of scenes, groups, sequences and schedules
- Optimised mode for RGB coloured light management

Emergency lighting management

- For small and medium emergency lighting systems with up to 120 DALI emergency lighting LED Driver (60 for each DALI line) per DALI x/e-touchPANEL 02
- 2 addresses for external status controls
- Function and endurance tests can be conducted in accordance with local regulations
- Supports patented addressing function (“EZ easy addressing”)
- Individual labelling of groups and devices
- Calendar-controlled function and duration test
- Interconnection of up to 25 panels for bigger installations possible

→ For product data sheet go to www.tridonic.com, or available on request

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet

DALI PS2

DALI power supply for installation in switching cabinets

Product description

- For supplying 240 mA for DALI devices or control modules without their own power supplies
- For installation in switching cabinets
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

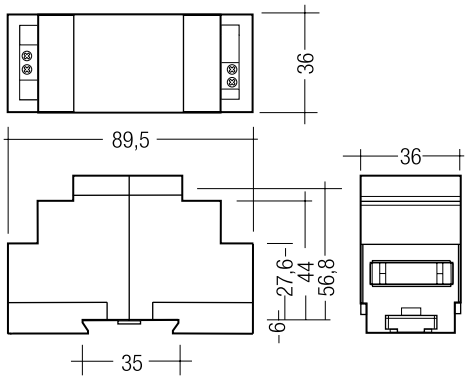
Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	5 W
Max. output current, DALI	240 mA
Operating temperature	0 ... +50 °C
Storage temperature ts	0 ... +70 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet





Ordering data

Type	Article number	Packaging, carton
DALI PS2	**28000876**	25 pc(s).

DALI PS1

DALI power supply for separate installation

Product description

- For supplying 200 mA for DALI devices or control modules without their own power supplies
- Surface-mounted casing
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

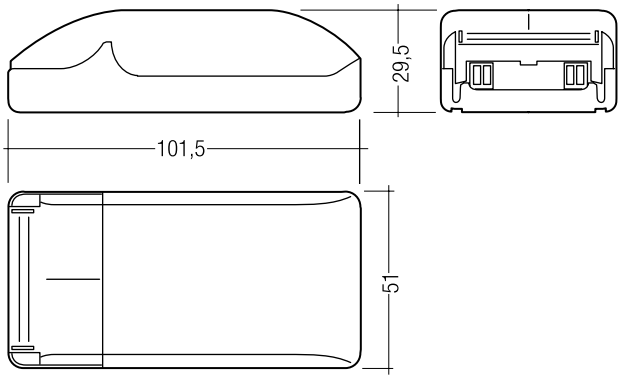
Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Output	DALI
Max. output current, DALI	200 mA
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet





Ordering data

Type	Article number	Packaging, carton
DALI PS1	**24034323**	1 pc(s).

DALI USB

PC interface module for DALI systems

Product description

- Interface module from USB to a DALI system
- For connecting Tridonic software tools
- Addressing, programming and parametrising DALI installations and Tridonic devices
- Power supply via DALI line and USB interface
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

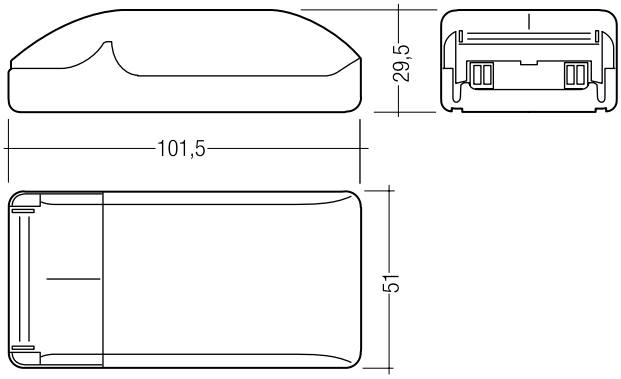
Supply via	DALI cable and USB interface
Current draw	6 mA from DALI
Input	1 USB (Personal Computer)
Output	DALI
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet





Ordering data

Type	Article number	Packaging, carton
DALI USB	**24138923**	50 pc(s).

DALI Interface RS232 PS/S

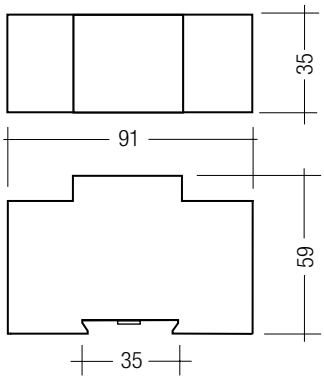
PC interface module for DALI systems

Product description

- Combines interface module and DALI power supply
- Integrated power supply with 240 mA for DALI devices or DALI control modules without power supply
- Interface module for connection of DALI systems with computer or programmable control systems
- For installation in switching cabinets
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	110 – 240 V
Permitted input voltage	110 – 260 V
Mains frequency	50 / 60 Hz
Power	1 – 6 W
Stand-by power	1 W
Max. output current, DALI	240 mA
Output voltage	16 V ±5 %
Operating temperature	0 ... +50 °C
Storage temperature ts	-20 ... +60 °C
Max. casing temperature tc	80 °C
Permitted relative humidity	10 – 90 %, not condensed
Mounting	DIN rail mounting, 35 mm
Housing material	PC, halogen-free polycarbonate, non-flammable
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI Interface RS232 PS/S	**22176712**	15 pc(s).	0.09 kg

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Specific technical data

Type	Input RS232	DALI output
DALI Interface RS232 PS/S	1	1

ACCES-SORIES

DALI Interface RS232 cable

Product description

- Connection cable 1 m for connection of computer with DALI Interface RS232 PS/S
- RJ45 to D-sub unshielded



Ordering data

Type	Article number	Length	Packaging, carton	Weight per pc.
DALI Interface RS232 cable	**28000087**	1 m	20 pc(s).	0.06 kg

DALI DSI

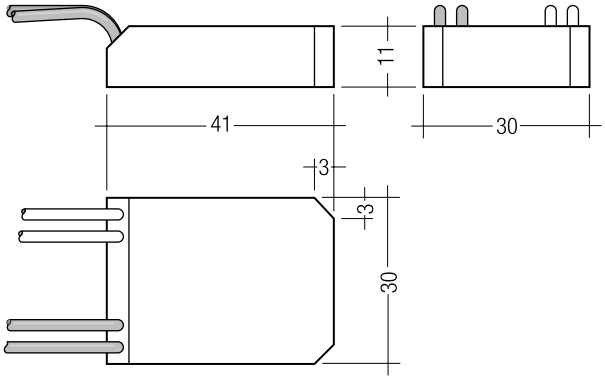
Converter for DALI into DSI signals

Product description

- Converter for converting DALI signals into DSI signals
- For integrating DSI-based devices in DALI lighting control systems
- Rotary switch for assigning the group address for the DSI output
- 1 DSI output for a maximum of 5 DSI devices
- Power supply via DALI line
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	DALI cable
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton
DALI DSI	**24034689**	1 pc(s).

Specific technical data

Type	Inputs			Outputs	
	DALI control input	Current draw	Number of DALI addresses	Digital control line DSI	Control output per physical output (devices)
DALI DSI	1	16 mA from DALI	1	1	5

DALI repeater

Extension of DALI cable length

Product description

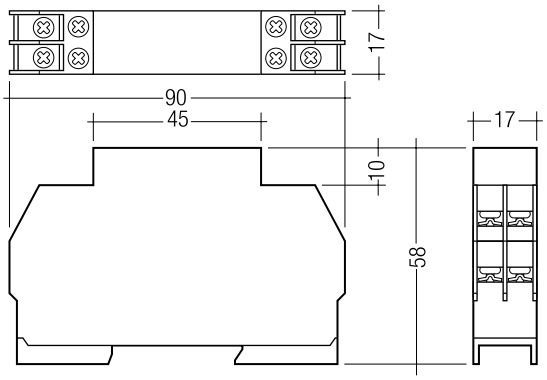
- For amplifying the DALI signal
- For extending the DALI line length from 300 to 600 m
- A star-type network with multiple DALI repeater‘s can be set up
- Power supply via DALI line
- For installation in switching cabinets
- 5-year guarantee

Note

- Because of the signal delay it is not possible to connect multiple DALI repeaters in series (no cascading)
- There is no increase in the maximum number of DALI units; a maximum of 64 DALI addresses can be configured in a DALI circuit (main and subordinate circuit)
- Because of the electrical isolation between the main circuit and the subordinate circuit an additional DALI power supply unit is needed for each DALI repeater

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Supply via	DALI cable
Current draw for main control circuit (IN)	6 mA from DALI
Current draw for subordinate control circuit (OUT)	4 mA from DALI
Input	DALI
Output	DALI
Operating temperature	0 ... +50 °C
Storage temperature ts	-20 ... +70 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
DALI Repeater	**86458401**	1 pc(s).

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

DALI RM

DALI control module for 1 relays

Product description

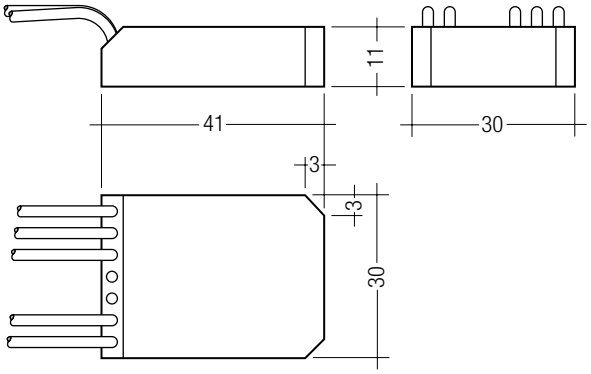
- Control of one standard contactor
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Ambient temperature ta	0 ... +50 °C
Type of protection	IP20





→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-RM	**24034702**	1 pc(s).	0.087 kg

Specific technical data

Type	Inputs			Output, relay			
	DALI control input	Current draw	Number of DALI addresses	Max. switching voltage AC	Max. switching voltage DC	Type of contact	Min. contact load
DALI-RM	1	12 mA from DALI	1	250 V	35 V	1 changeover	1.2 W

DALI 3-RM-C

DALI control module for 3 relays

Product description

- Control of up to three standard 24 V DC contactors
- 1 DALI address per output
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

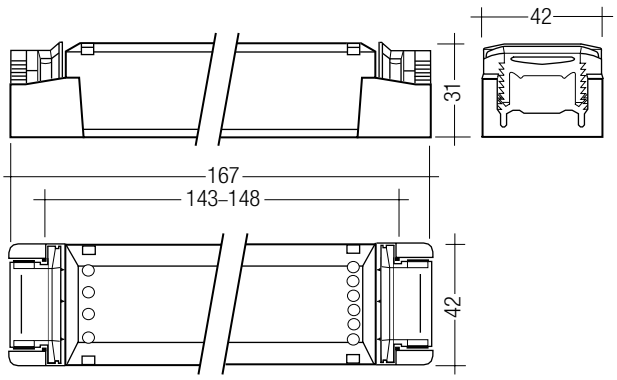
Input voltage AC	198 – 254 V
Input voltage DC	200 – 240 V
Mains frequency	0 / 50 / 60 Hz
Power	< 30 W
Ambient temperature ta	-25 ... +45 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI 3-RM-C	**28000868**	20 pc(s).	0.155 kg

Specific technical data

Type	Inputs			Outputs	
	DALI control input	Current draw	Number of DALI addresses	Output voltage DC	Output power
DALI 3-RM-C	1	2 mA from DALI	3	3 x 24 V	25 W

DALI-RM/S 4x10 A

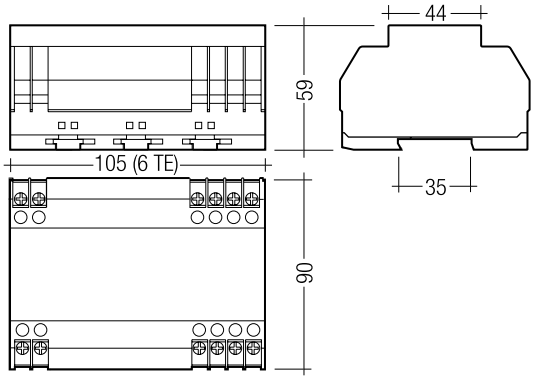
DALI relay output with 4 independent 10 A switching contacts

Product description

- Switching of 4 independent and potential free contacts via DALI
- Max. switching current per contact: 10 A at ohmic load (cos Φ = 1)
- 1 DALI address per switching contact
- For installation in switching cabinets
- Status LED for indicating the operating status
- Test switch for installation test
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	< 2 W
Ambient temperature ta	0 ... +50 °C
Storage temperature ts	-20 ... +70 °C
Humidity ①	5 % ... max. 85 %
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-RM/S 4x10A	**22185237**	1 pc(s).	0.46 kg

Specific technical data

Type	Inputs			Output, relay		
	DALI control input	Current draw	Number of DALI addresses	Relay, floating	Switching output (at 125 V DC max.) ②	Switching output (at 240 V AC max.) ②
DALI-RM/S 4x10A	1	2 mA from DALI	4 (1 per contact)	4 (make contact)	30 W (ohmic load)	2,000 W / 10 A (ohmic load)

① Not condensed (max. 56 days/year at 85 %).
② More loads see data sheet.

DALI PCD 1-300 one4all

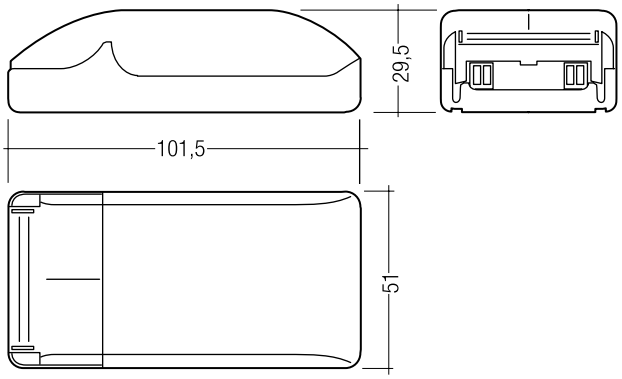
Leading-edge/trailing-edge phase dimmer

Product description

- Digital leading-edge and trailing-edge phase dimmer
- Total connected load: 1 – 300 VA
- one4all input: DALI, DSI and switchDIM input
- 1 dimmed phase (output)
- With automatic load detection
- Surface-mounted casing
- Status LED for indicating the operating status
- Suitable for operation with LED retrofit bulbs
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Connected load	1 – 300 VA
Power loss	0.4 W (1.5 W at full load)
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-PCD 1-300 one4all	**28000441**	25 pc(s).	0.085 kg

Specific technical data

Type	Inputs			Outputs			Terminals
	Input, DALI/DSI control input and switchDIM	Current draw	Number of DALI addresses	Dimmed phase	Control range, DSI	Control range, DALI	
DALI-PCD 1-300 one4all	1	2 mA from DALI	1	1	0; 1 – 100 %	0; 0.1 – 100 %	0.5 – 1.5 mm²

DALI PCD/S

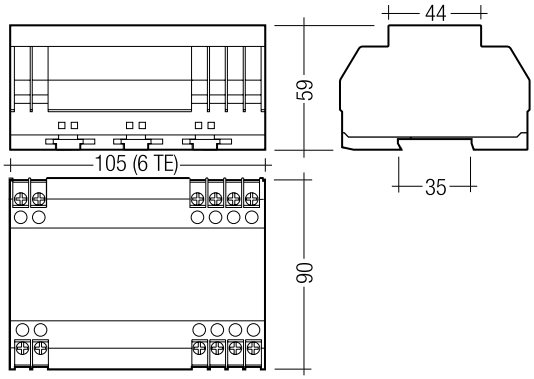
Leading-edge/trailing-edge phase dimmer

Product description

- Digital leading-edge and trailing-edge phase dimmer
- Total connected load: 40 – 1,000 VA
- DALI/DSI input
- Single (switchDIM) or double momentary-action switch input
- Preset function: storage and retrieval of any lighting value
- 1 dimmed phase (output)
- With automatic load detection
- For installation in switching cabinets
- Status LED for indicating the operating status
- Not suitable for operation with LED bulbs
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Connected load	40 – 1,000 VA
Power loss	2 W (15 W at full load)
Ambient temperature ta	0 ... +40 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-PCD/S	**22154332**	1 pc(s).	0.41 kg

Specific technical data

Type	Inputs					Outputs		Terminals
	Momentary-action switch input for preset retrieval	Single or twin momentary-action switches	DALI/DSI control input	Current draw	Number of DALI addresses	Dimmed phase	Control range, output	
DALI-PCD/S	1	1	1	2 mA from DALI	1	1	0; 1 – 100 %	0.75 – 2.5 mm²

RoHS

DSI-A/D

Converter for 1...10 V into DSI signal 1-channel for installation in luminaire

Product description

- Converter for converting analogue signals into DSI signals
- For connecting DSI devices in 1...10 V control systems
- For a maximum of 50 DSI devices
- Constant lighting control possible via terminal for SMART LS II
- On/off switching via separate switch input
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

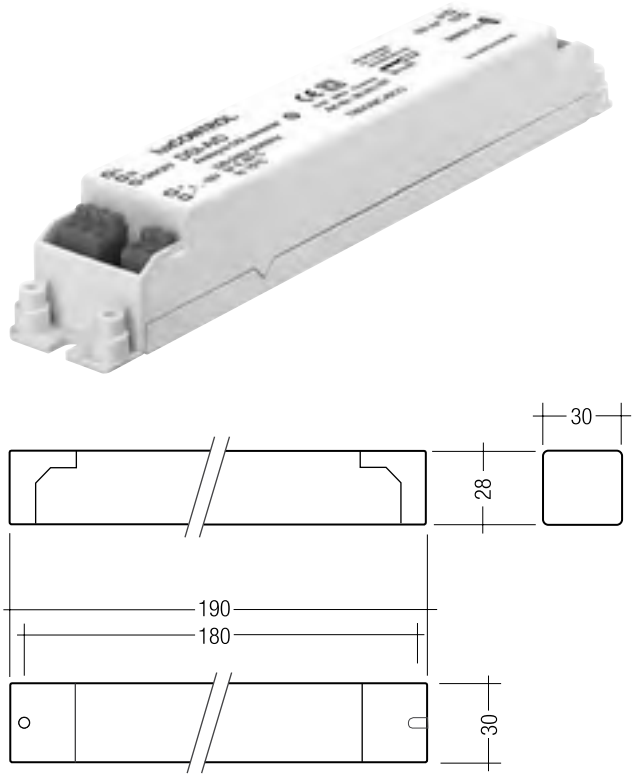
Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Ambient temperature ta	0 ... +60 °C
Type of protection	IP20

→

For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet



Ordering data

Type	Article number	Packaging, carton
DSI-A/D	**28000850**	10 pc(s).

Specific technical data

Type	Inputs				Outputs		
	Dimming	Dimming, potentiometer (optional) ①	ON/OFF switch (220–240 V)	Ambient light sensor	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm²
DSI-A/D	1...10 V	47 (≥47 ≤100) kΩ	1	1	1	50	100 m

① Potentiometer with linear characteristics, optimum: 47 kOhm, possible range: 47 – 100 kOhm; power ≥0,5 W.

CE RoHS

DSI-A/DS

Converter for 1...10 V into DSI signal 1-channel
for installation in switchgear cabinet

Product description

- Converter for converting analogue signals into DSI signals
- For installation in switching cabinets
- For connecting DSI devices in 1...10 V control systems
- For a maximum of 100 DSI devices
- On/off switching via separate switch input
- 5-year guarantee

→ For product data sheet go to www.tridonic.com,
or available on request

Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

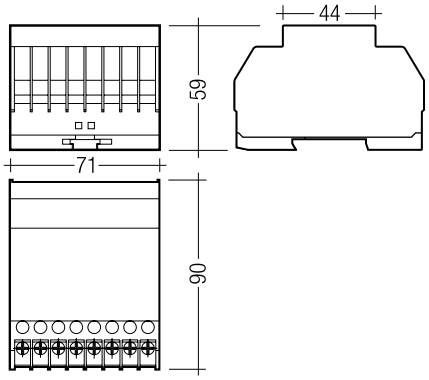
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For standards see data sheet

Product / function matrix, page 464

Wiring diagrams and installation examples see data sheet





Ordering data

Type	Article number	Packaging, carton
DSI-A/DS	**28000859**	10 pc(s).

Specific technical data

Type	Inputs			Outputs		
	Dimming	Dimming, potentiometer (optional) ①	ON/OFF switch (220–240 V)	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm²
DSI-A/DS	1...10 V	47 (≥47 ≤100) kΩ	1	1	100	250 m

① Potentiometer with linear characteristics, optimum: 47 kOhm, possible range: 47 – 100 kOhm; power ≥0,5 W.

CE RoHS

DSI-PCD/S

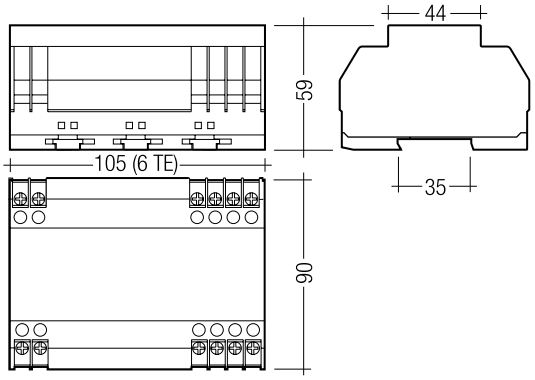
Leading-edge/trailing-edge phase dimmer 40 – 1,000 VA with preset

Product description

- Digital leading-edge and trailing-edge phase dimmer
- Control via DSI signal or momentary-action switch
- Preset function: storage and retrieval of any lighting value
- With automatic load detection
- For installation in switching cabinets
- Status LED for indicating the operating status
- Not suitable for operation with LED bulbs

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Connected load	40 – 1,000 VA
Power loss	2 W (15 W at full load)
Ambient temperature ta	0 ... +40 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-PCD/S	**22154333**	1 pc(s).	0.41 kg

Specific technical data

Type	Inputs			Outputs		Terminals
	Momentary-action switch input for preset retrieval	Single or twin momentary-action switches	DSI control input	Dimmed phase	Control range, output	
DSI-PCD/S	1	1	1	1	0; 1 – 100 %	0.75 – 2.5 mm²

RoHS

DSI-RK

Relay module for switching ohmic loads

Product description

- Relay module
- For switching ohmic loads
- Operation via momentary-action switch (switchDIM) or DSI signal
- Parametrisation (RELAY-ON, RELAY-OFF) via configTOOL software
- Floating switching output
- 5-year guarantee

→ For product data sheet go to www.tridonic.com, or available on request

Technical data

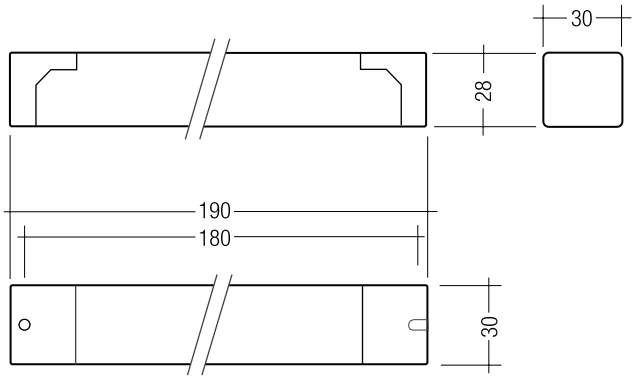
Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Ambient temperature ta	0 ... +60 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-RK	**28000844**	10 pc(s).	0.113 kg

Specific technical data

Type	Input	Output, relay		
		Relay, floating	Switching output (at 110 V DC max.)	Switching output (at 250 V AC max.)
DSI-RK	DSI / switchDIM	Make contact	110 W / 1 A	500 W / 2 A

NEW

connecDIM Gateway G1

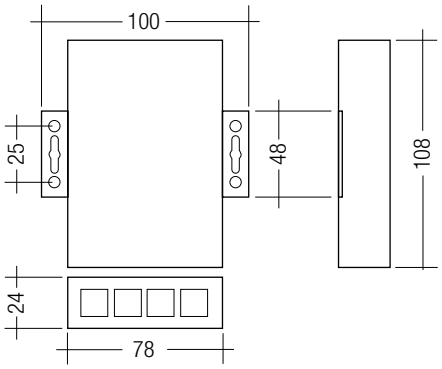
Ethernet TCP/IP to DALI

Product description

- Independent lighting control for up to 256 DALI gears on 4 DALI lines
- Can be expanded by connecting multiple gateways on the same network
- Cloud based web interface for configuration and monitoring
- Simple setup via mobile App or Cloud service
- Status LED for indicating the operating status
- Connects to Tridonic DALI Interface RS232 PS/S (22176712)
- Works with Tridonic DALI comfortDIM portfolio
- Cross DALI line control with DALI XC, DALI touchPANEL and DALI MSensor
- Freely programmable daily scheduling with calendar function
- DALI emergency lighting unit test scheduling and monitoring via the connecDIM Cloud
- Cloud based maintenance, e-mail alerts, predictive warnings and visual monitoring
- Open JSON-RPC TCP control protocol for linking to building automation systems

→ For product data sheet go to www.tridonic.com, or available on request





Technical data

Rated supply voltage DC	9 – 48 V
Power consumption	3.6 W (300 mA @ 12 V DC)
DALI interface RS232 PS/S ports	4 x RJ45 serial ports
Ethernet port	1 x 10/100 Mbit/s
Status indicators LED	Power, Ready, Ethernet, Serial Port
Operating temperature	0 ... +70 °C
Mounting	Tabs with screw terminals; DIN rail kit available
Housing material	Fanless metal casing
Type of protection	IP20

Ordering data

Type	**Article number**	Packaging, carton
connecDIM Gateway G1	**28000966**	1 pc(s).

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

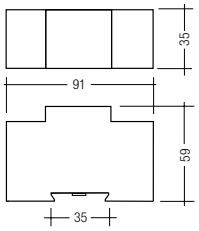
Specific technical data

Type	Input RS232	DALI output
DALI Interface RS232 PS/S	1	1

ACCES-SORIES

DALI Interface RS232 PS/S





Product description

- Combines interface module and DALI power supply
- Integrated power supply with 240 mA for DALI devices or DALI control modules without power supply
- Interface module for connection of DALI systems with computer or programmable control systems
- For installation in switching cabinets
- 5-year guarantee

Technical data

Rated supply voltage	110 – 240 V
Permitted input voltage	110 – 260 V
Mains frequency	50 / 60 Hz
Power	1 – 6 W
Stand-by power	1 W
Max. output current, DALI	240 mA
Output voltage	16 V ±5 %
Operating temperature	0 ... +50 °C
Storage temperature ts	-20 ... +60 °C
Max. casing temperature tc	80 °C
Permitted relative humidity	10 – 90 %, not condensed
Mounting	DIN rail mounting, 35 mm
Housing material	PC, halogen-free polycarbonate, non-flammable
Type of protection	IP20

Ordering data

Type	**Article number**	Packaging, carton	Weight per pc.
DALI Interface RS232 PS/S	**22176712**	15 pc(s).	0.09 kg

→

For standards see data sheet

Wiring diagrams and installation examples see data sheet

ACCES-SORIES

connecDIM RS232 cable



Product description

- Connection cable 1 m for connection of a DALI Interface RS232 PS/S (22176712) to the connecDIM Gateway G1
- RJ45 to RJ45

Ordering data

Type	**Article number**	Length	Packaging, carton	Weight per pc.
connecDIM RS232 cable	**28000968**	1 m	1 pc(s).	0.06 kg

ACCES-SORIES

connecDIM RS232 cable

Product description

- DIN-RAIL Mounting Clips to mount the connecDIM Gateway G1 onto a 35 mm DIN-RAIL



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
connecDIM DIN-RAIL Mounting Kit	**28000969**	2 pc(s).	0.03 kg

ACCES-SORIES

Mains adapater x-touchPANEL

Product description

- Power supply for the DALI x-touchPANEL and the DALI e-touchPANEL
- The mains adapter is rated at 36 V
- Max. 2 gateways can be connected

Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Max. power consumption	10 W
Output voltage	36 V
Max. output current	300 mA
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20



Ordering data

Type	Article number	Packaging, carton
Mains adapter x-touchPANEL	**24166012**	1 pc(s).

TRIDONIC's environmental data sheets (EPD)

Tridonic – jointly with the Zumtobel Group's other brands – is the first company in the lighting industry to have introduced Environmental Product Declarations (EPD) in line with ISO 14025 and EN 15804.

By introducing these EPDs, Tridonic complies with designers' and building developers' growing need for transparency. EPDs are especially important when it comes to green building certification, since they provide easy and quick information about how much a luminaire adds to the greenhouse effect, which raw materials were used or how many percent of recycled material it contains.

The environmental impact of a product are analysed early on in the development phase in order to reduce such impact over the product's entire life cycle.



EPDs are available for downloading at the bottom of the product pages on the Tridonic homepage.



Tridonic's first environmental data sheets went online in May 2013.

The EPDs are already available on the Tridonic website (download area at the bottom of the product pages, "EPD" tab). So far, EPDs of all electronic ballasts of the PC and PCA ranges have been made available on the product pages. Environmental product declarations for more LED products and other product areas are in preparation and will be gradually published.

ecolution
An initiative of TRIDONIC

TRIDONIC guarantee conditions

Tridonic stands for high quality products and services. Guarantee for lighting components, management systems, LED-modules and -systems exceeds usual legal guarantee.

Tridonic offers a 5-year guarantee on all devices with a rated life of at least 50,000 hours of operation. A guarantee of 3 years is offered on devices with a rated life of less than 50,000 hours of operation.

Batteries are excluded from this guarantee.

1. Products
This guarantee applies to all electronic control gear supplied by Tridonic (electronic ballasts for fluorescent lamps, electronic ballasts for HID lamps, electronic transformers, emergency units, LED Driver and control units for LED light sources) as well as LED light sources.

2. Duration of the guarantee
The guarantee period for Tridonic products is 3, 5 or 8 years.

2a. Basic guarantee
For products with a physical rated life of ≥ 50,000 hours of operation or more, Tridonic offers a guarantee for a period of 5 years under the following conditions. To ensure that the product guarantee matches the guarantee offered by the luminare manufacturer, the guarantee is extended by a further 6 months from the date of manufacture indicated on the product, up to a maximum of 66 months from the date of manufacture.

This applies to those products for which a rated life of ≥ 50,000 hours of operation is indicated in the data sheets and for all TALEXX LED light sources.

2b. Limited guarantee
For products with a physical rated life of less than 50,000 hours of operation, Tridonic offers a guarantee for a period of 3 years under the following conditions. To ensure that the product guarantee matches the guarantee offered by the luminaire manufacturer, the guarantee is extended by a further 6 months from the date of manufacture indicated on the product, up to a maximum of 42 months from the date of manufacture.

This applies to those products for which a rated life of < 50,000 hours of operation is indicated in the data sheets, e.g. PC TEC.

2c. Extended guarantee for PC INDUSTRY
An extended guarantee of 8 years is offered on the PC INDUSTRY series. This guarantee makes allowance for a 6-month period for dispatch, storage and manu-facture. The maximum guarantee period is therefore 102 months after production.

3. Guarantee conditions
The guarantee offered by Tridonic is valid under the following conditions:

The products from Tridonic must be used in accordance with the relevant product and application specifications. Limit values for temperatures and voltages must not be exceeded and the product not exposed to any mechanical stresses.

The guarantee for electronic operating devices applies only if the product is installed with lamps that comply with the relevant IEC specifications.

The guarantee covers solely product failures caused by material, design or production faults and failure rates that exceed the rated failure rate. The rated life and rated failure rate of a device are considered to be the values defined in the technical documentation.





4. Execution of the guarantee
In the event of failures exceeding the nominal failure rate, Tridonic on its sole discretion might decide to repair defective components or products, supply adequate products as replacement or reimburse products to original customers. The customers or end customers bear the costs for demounting and remounting as well as for sending in and returning products. Any other costs, e.g. replacement costs upon installation, costs caused from failures of the installation or other damage and/or consequential damage are not covered by this guarantee.

The indicated life-time is achieved by operating lighting components according to the conditions specified
by the manufacturers, to the relevant international standards and in accordance with local regulations. All electronic products having an expected failure rate require continuous monitoring, which must be documented in writing.

In view of the statistical failure rate of electronic products, installations with electronic operating devices and LED light sources require regular maintenance. The products must therefore be easy to access at all times. When installing the products, the requirements of easy maintenance must therefore be taken into consideration to keep maintenance costs down.

If simple replacement is not carried out in good time, the end customer must be informed of the additional costs that may arise in connection with standard maintenance. In designing and installing luminaires, it should be remembered that the controller, ballast and/or LED light source may have to be replaced before the luminaire comes to the end of its life.

Additional Information for LED modules
The guarantee conditions relate exclusively to mortality beyond the nominal failure rate. In view of technical advances and the changes in the luminous flux of products depending on their usage there may be differences in the photometric properties between replacement or additional LED modules and the original products.

5. Utilisation of the Guarantee
The guarantee has to be claimed immediately by returning the defective product in order to check the validity of the claim.

6. Applicable Law
See the conditions supplied with the invoice.

TRIDONIC sales organisation

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Application icons


Decorative luminaires


Downlights


Emergency


Free-standing luminaires


High bay luminaires


Linear luminaires


Recessed floor & wallmounted luminaires


Spotlights


Street lanterns


Wide-area luminaires (in-built, remote, pendant)

Approval marks and symbols

CE

Tridonic products comply with the requirements of 2004/108/EC, 2006/95/EC, 2009/125/EG and 2011/65/EU (RoHS), and are entitled to bear the CE mark. EC declarations of conformity can be requested via the internet at www.tridonic.com, menu “Technical data”.

RoHS

RoHS (Restriction of the use of certain Hazardous Substances in electrical and electronic equipment) summarises EU directive 2002/95/EC on the prohibition of certain substances in the manufacture and processing of electrical and electronic equipment and components.

The ENEC mark (European Norms Electrical Certification) is a European mark of conformity and confirms that the device on which the symbol is shown complies with all the requirements of the ENEC scheme. Test certificates can be requested via the Internet at www.tridonic.com, menu “Technical data”.

National approval marks.

Protection class II device in which protection against electric shock is not based solely on the basic insulation but in which there are additional safety features such as double or enhanced insulation. It is independent of the protection measures of the fixed installation.

Reinforced insulation. The device is designed to be used in class II equipments and does not need any protection earth.

Mark for an independent gear. The gear must not be mounted inside the luminaire.

The device is suitable for installing on or in furniture which is made from materials with unknown flammability properties.

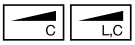


Pictogram for temperature-protected devices. The temperature shown is the maximum surface temperature in the event of a fault at rated ambient temperature.

SELV

Safety Extra-Low-voltage

Non-short-circuit-proof transformer / non-short-circuit-proof energy-saving transformer.



Dimmable trailing-edge phase dimmer / dimmable leading-edge and trailing-edge phase dimmer.

ESD protection necessary.

DALI

DALI is an acronym and stands for “Digital Addressable Lighting Interface“ set out in the technical standard IEC 62386 that guarantees the exchangeability of dimmable ballasts. Under the auspices of the German Central Association of the Industry for Electric and Electronic Products (registered committee: ZVEI) the AG DALI (Activity Group DALI – an open group with leading manufacturers of control devices) was founded to establish this standard in the market.

EL

A.c and/or d.c. maintained emergency electronic control gear / LED Driver.

EL-T

Battery supplied emergency electronic control gear / LED Driver with automatic test function.

The latest technical information including all the mechanical and electrical details can be downloaded from the internet at:
www.tridonic.com, menu “Technical data”, submenu “Data sheets”

Standards

EN 61347-1	IEC 61347-1	General and safety requirements for lamp control gear / LED Driver
EN 61347-2-11	IEC 61347-2-11	Particular requirements for electronic modules for luminaires
EN 61347-2-13	IEC 61347-2-13	Particular requirements for d.c. or a.c. supplied electronic LED Driver for LED modules
EN 62031	IEC 62031	Safety specifications for LED modules
EN 60598-1	IEC 60598-1	General requirements for luminaires
EN 60598-2-22	IEC 60598-2-22	Particular requirements in respect of luminaires for emergency lighting
EN 62493	IEC 62493	Assessment of lighting equipment related to human exposure to electro-magnetic fields
EN 62471	IEC 62471	Photobiological safety of lamps and lamp systems
EN 55015	CISPR 15	Radio disturbances
EN 61547	IEC 61547	EMC immunity requirements
EN 61000-3-2	IEC 61000-3-2	Harmonic current emissions
EN 61000-3-3	IEC 61000-3-3	Voltage fluctuations and flicker in low-voltage supply systems
EN 62384	IEC 62384	d.c. or a.c. supplied electronic LED Driver for LED modules – performance requirements
EN 62386	IEC 62386	Digital addressable lighting interface
EN 50172		Requirements for emergency escape lighting systems
acc. to VDE 0108 / EN 50172		Suitable for emergency lighting installations
EN 62034	IEC 62034	Automatic test system for battery-powered emergency escape lighting
EN 60068-2-64 Fh	IEC 60068-2-64 Fh	Environmental testing – test Fh: Vibration, broad-band random (digital control)
EN 60068-2-27 Ea	IEC 60068-2-27 Ea	Environmental testing – test Ea and guidance: Shock
EN 60068-2-30 Db	IEC 60068-2-30 Db	Basic environmental testing procedures – test Db: Damp heat, cyclic (12+12-hour cycle)

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Further information and ordering data:



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