TRIDONIC

enlightening your ideas

Catalogue 2014

LED, conventional control gear and lighting control systems



LED Solution Box –
all your LEDs under perfect control:
components and systems for your product solution
led.tridonic.com

The flexible Tridonic LED portfolio

Lighting expertise from individual components to complete system solutions

LED technology opens up new opportunities for you in the design of lighting and luminaires. To ensure you make successful use of this technology we offer a broad portfolio of versatile LED products of exceptional quality under the name of TALEXX.



▸ **At a glance: TALEXXengine STARK FLE**

__ High module efficiency up to 120 lm/W
__ LES 30 up to 10,000 lumen
__ LED 40 up to 20,000 lumen
__ Reproducible, constant color rendering: MacAdam 3

As a leading manufacturer of control gear for conventional lighting, we know everything there is to know about controlling light and you reap the benefit with lighting solutions based on LED technology. Whatever the lighting task Tridonic will provide you with all you need to succeed with revolutionary LED light.

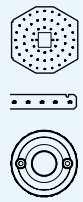
From LED light engines, chains and modules to converters, repeaters and sequencers plus all the necessary accessories, our compatible components are synonymous with ideal operating conditions and maximum efficiency. The components are perfectly matched to one another and are setting new standards in quality of light, durability and reliability, either in their own right or in systems.

Make sure you have
all your LEDs under perfect control:

led.tridonic.com

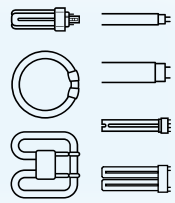




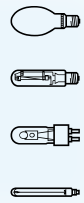
LED light engine 

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LED control gear

LED control gear

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Compact fixed output

TOP series

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Compact dimming

ECO series

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BASIC series

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Linear / area fixed output

TOP series

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Linear / area dimming

ECO series

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Constant voltage converters

LCU outdoor IP67

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LCU outdoor IP65

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LCU indoor IP20

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Fixed output

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Signage

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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

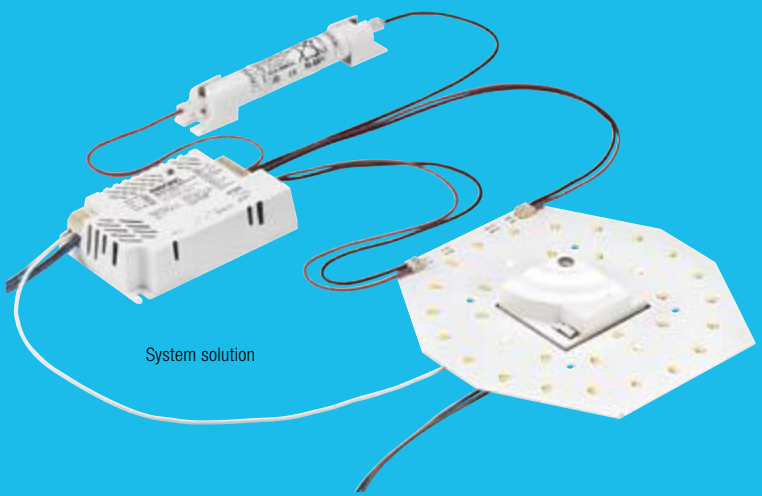
Individual components

- 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

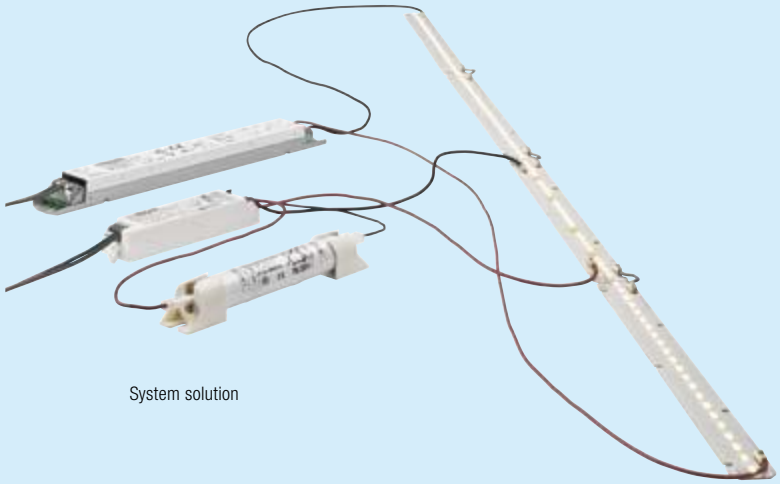
Individual components

- 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, control gear 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

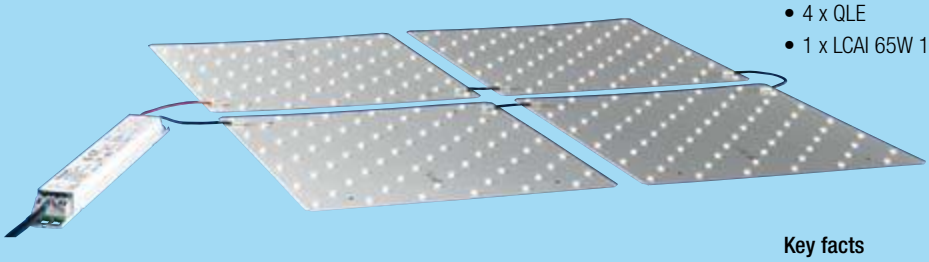


System solution

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

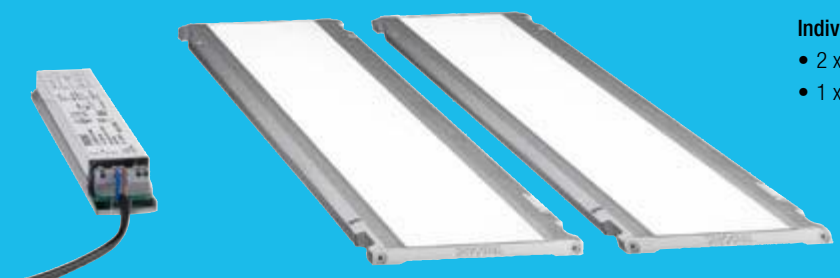


System solution

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

Free standing luminaire



System solution

Individual components
- 2 x INDI CLASSIC
- 1 x LCI 4x16W 200mA–400mA Ip

Key facts
- Direct/indirect distribution of light 80/20 %
- System efficacy of up to 77 lm/W
- Self-cooling
- Slim design
- No module-sided protection against contact required (SELV < 60 V)

Product overview LED control gear compact



TALEXX converter ECO series
Compact dimming

The ECO series of LED converters 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



TALEXX converter BASIC series
Compact dimming

The BASIC series of LED converters 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



TALEXX converter TOP series
Compact fixed output

The TOP series of LED converters 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



TALEXX converter TEC series
Compact fixed output

The TEC series of LED converters 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 control gear linear / area



TALEXconverter ECO series
Linear / area dimming

The ECO series of LED converters 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



TALEXconverter BASIC series
Linear / area dimming

The BASIC series of LED converters 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



TALEXconverter TOP series
Linear / area fixed output

The TOP series of LED converters 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



TALEXconverter TEC series
Linear / area fixed output

The TEC series of LED converters 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 control gear constant voltage / constant current



TALEXconverter LCU outdoor IP67
Constant voltage control gear

The LCU LED converters 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



TALEXconverter LCU outdoor IP65
Constant voltage control gear

The LCU LED converters 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



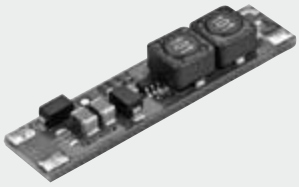
TALEXconverter LCU indoor IP20
Constant voltage control gear

The LCU LED converters 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



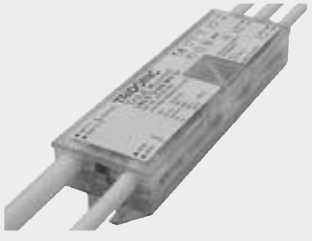
DC/DC converter
Dimming

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



DC/DC converter
Fixed output

DC/DC constant current converter 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 converter
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** Simply replacing low voltage halogen	**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	
	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
	Operating temperature range	-25 °C up to +60 °C [2]	-25 °C up to +50 °C [2]	-25 °C up to +60 °C [2]	-25 °C up to +50 °C [2]
	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.

IP67 SELV RoHS

TALEXconverter LCI 15W 350/500/700mA M020

TOP series

Product description

- Independent LED control gear for LED modules
- Constant current LED control gear 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

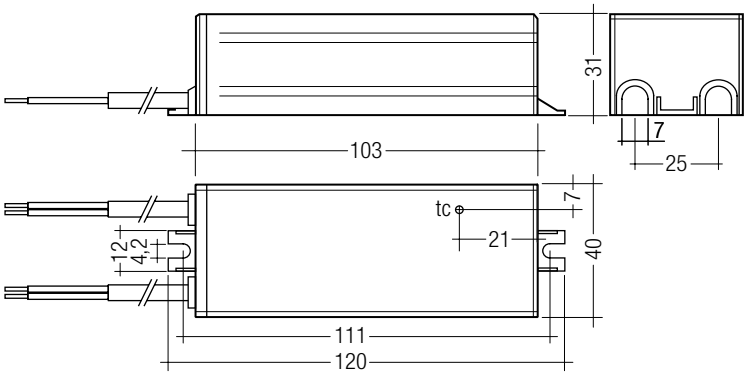
- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, white (UV resistant)

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	**86459179**	10 pc(s).	600 pc(s).	0.248 kg
LCI 015/0500 M020	**86459180**	10 pc(s).	600 pc(s).	0.248 kg
LCI 015/0700 M020	**86459181**	10 pc(s).	600 pc(s).	0.248 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. output current	Output current tolerance	Output current ripple	Max. output current peak	Output voltage range	Max. output voltage ③	Typ. output power
LCI 015/0350 M020	350 mA	± 5 %	± 15 %	418 mA	3 – 43 V	52 V	15 W
LCI 015/0500 M020	500 mA	± 5 %	± 10 %	575 mA	3 – 35 V	36 V	15 W
LCI 015/0700 M020	700 mA	± 5 %	± 10 %	805 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

TALEXconverter LCI 30W 700mA M120

TOP series

Product description

- Independent LED control gear for LED modules
- Constant current LED control gear 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

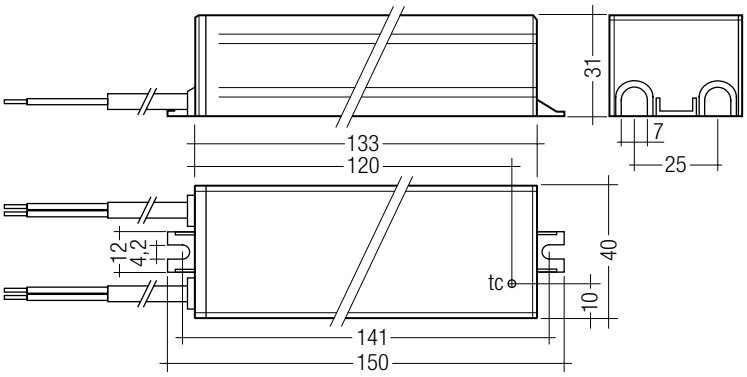
- Strain relief connection cable 0.5 m
- Type of protection IP67
- Casing: polycarbonate, white (UV resistant)

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 time ②	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	**86459178**	10 pc(s).	600 pc(s).	0.309 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. output current	Output current tolerance	Output current ripple	Max. output current peak	Output voltage range	Max. output voltage ③	Typ. output power
LCI 030/0700 M120	700 mA	± 5 %	± 20 %	875 mA	9 – 46 V	58 V	30 W

① LED control gear 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 RoHS

TALEXconverter LCCI 16W

TOP series

Product description

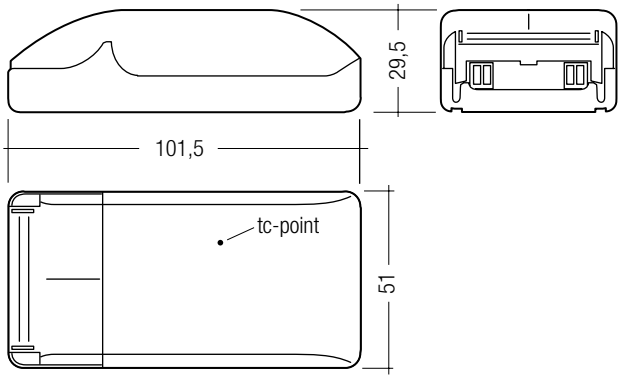
- 350, 500 or 700 mA output signal
- Over temperature protection with current back control
- Cage clamp terminals for rigid and flexible wires
- Double assignment of the terminal possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Connecting cable, cable cross-section 0.5 – 2.5 mm²
- Output power 16 W
- Protection class II, SELV
- Type of protection IP20
- LED control gear 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
- Compact dimensions

→ 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)	0.15 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 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

→ **Product matrix**, page 15

For standards see data sheet

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCCI 016/0350 B020	**86459210**	24 pc(s).	1,200 pc(s).	0.08 kg
LCCI 016/0500 B020	**86459211**	24 pc(s).	1,200 pc(s).	0.08 kg
LCCI 016/0700 B020	**86459212**	24 pc(s).	1,200 pc(s).	0.08 kg

Specific technical data

Type	Output current range ②	Output voltage range
LCCI 016/0350 B020	70 – 350 mA	3 – 48 V
LCCI 016/0500 B020	100 – 500 mA	3 – 33 V
LCCI 016/0700 B020	140 – 700 mA	3 – 24 V

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

IP20 SELV RoHS

NEW

TALEXconverter LCI 10W 150mA–400mA TOP C

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- Output current settable 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

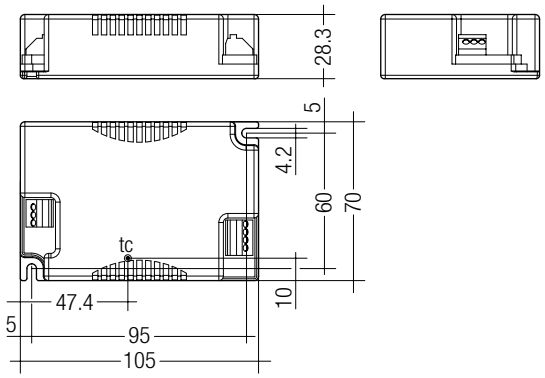
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit proof
- Overload protection
- Suitable for emergency lighting units 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 (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. output current peak	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 switch-off	< 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

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Product matrix, page 15

For standards see data sheet

Specific technical data

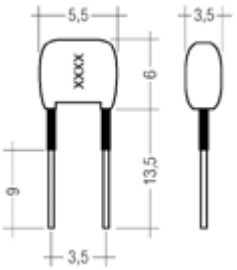
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 10W 150mA–400mA TOP C	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

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	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 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

NEW

TALEXconverter LCI 10W 350mA–900mA TOP C

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- Output current settable 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

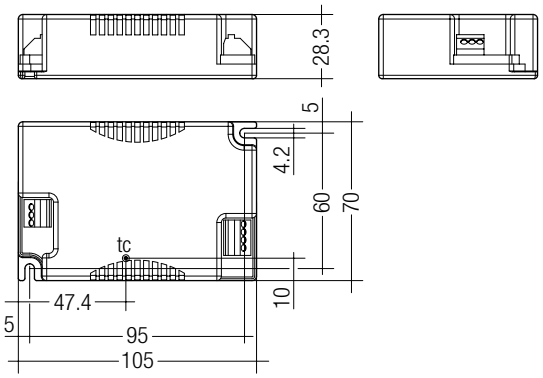
- Casing: polycarbonate, white
- Type of protection IP20

Functions

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

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





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Product matrix, page 15

For standards see data sheet

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, 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. output current peak	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 switch-off	< 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

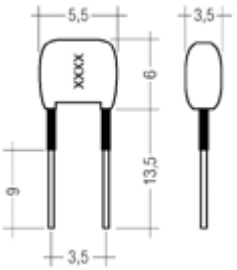
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 10W 350mA–900mA TOP C	350 mA	12.9 V	28.6 V	10.0 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	10.0 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	10.0 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	10.0 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	10.0 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	10.0 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	10.0 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	10.0 W	12.7 W	61 mA	0.90	75 °C	-25 … +65 °C	75 / 65 °C	22.00 kΩ
LCI 20W 350mA–900mA TOP C	750 mA	6.0 V	13.3 V	10.0 W	12.8 W	62 mA	0.90	70 °C	-25 … +60 °C	70 / 60 °C	15.00 kΩ
LCI 20W 350mA–900mA TOP C	800 mA	5.6 V	12.5 V	10.0 W	12.9 W	62 mA	0.90	70 °C	-25 … +60 °C	70 / 60 °C	10.00 kΩ
LCI 20W 350mA–900mA TOP C	850 mA	5.3 V	11.8 V	10.0 W	13.0 W	63 mA	0.90	70 °C	-25 … +60 °C	70 / 60 °C	5.36 kΩ
LCI 20W 350mA–900mA TOP C	900 mA	5.0 V	11.1 V	10.0 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

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	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 SELV

NEW

TALEXconverter LCI 20W 350mA–900mA TOP C

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- 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
- Temperature protection as per EN 61347-2-13 C5e
- 5-year guarantee

Properties

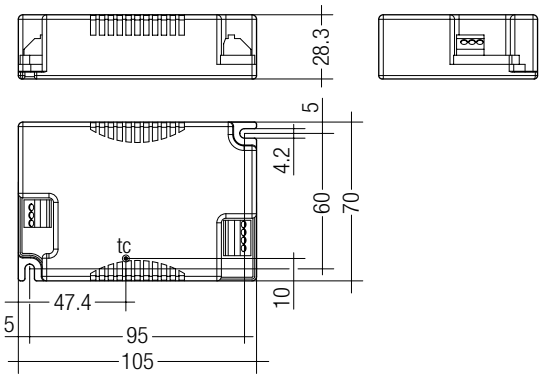
- Casing: polycarbonate, white
- Type of protection IP20

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units 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	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. output current peak	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

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Product matrix, page 15

For standards see data sheet

Specific technical data

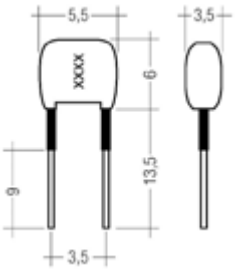
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 20W 350mA–900mA TOP C	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

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	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 SELV RoHS

NEW

TALEXconverter LCI 35W 350mA–900mA TOP C

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- 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 units acc. to EN 50172

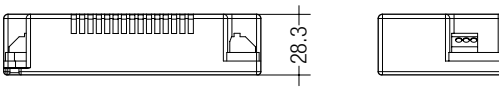
→ For product data sheet go to www.tridonic.com, or available on request

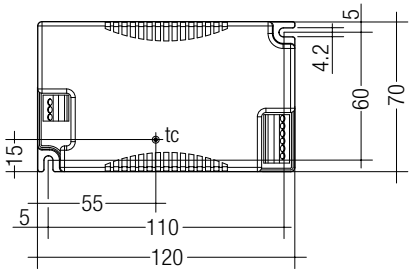
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Product matrix, page 15

For standards see data sheet







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. output current peak	Output current + 20 %
Max. output voltage (no-load voltage)	120 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
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

Specific technical data

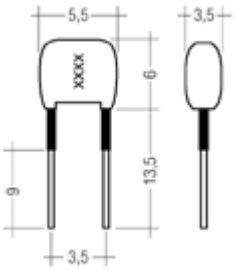
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 350mA–900mA TOP C	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

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

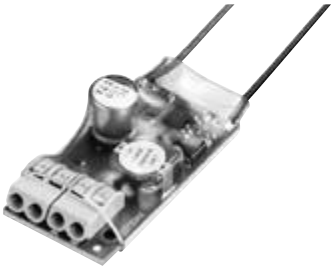


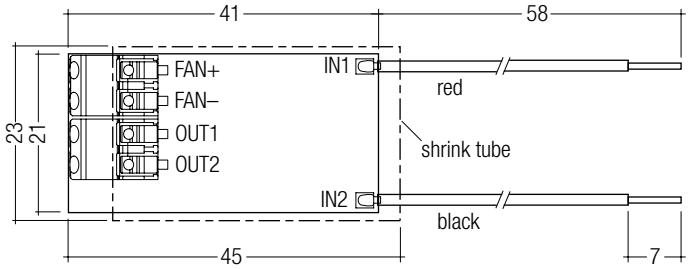
Ordering data

Type	Article number	Colour	Marking	Resistor value	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

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

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

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCI 35W 900mA–1750mA TOP C

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- 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

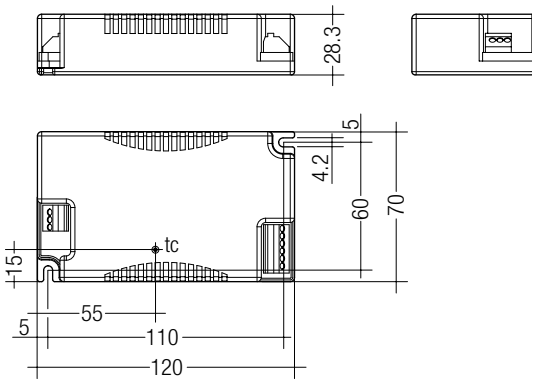
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units acc. to EN 50172

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

→ **Product matrix**, page 15

For standards see data sheet





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. output current peak	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
PWM frequency	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 900mA–1750mA TOP C	**28000195**	10 pc(s).	960 pc(s).	0.158 kg

Specific technical data

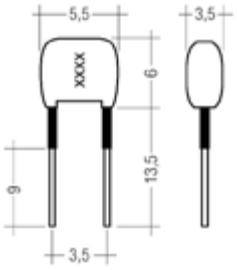
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 900mA–1750mA TOP C	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

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

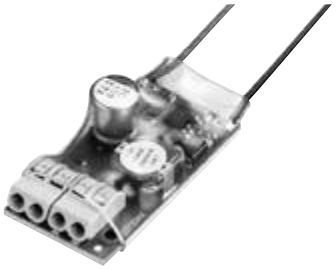


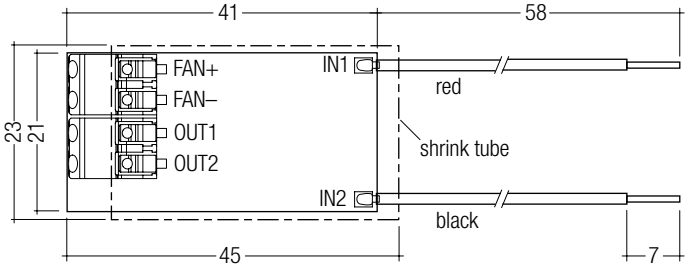
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCI 55W 900mA–1750mA TOP C

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- 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 units acc. to EN 50172

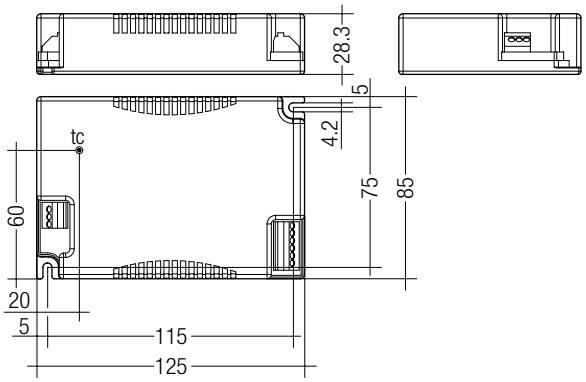
→ For product data sheet go to www.tridonic.com, or available on request

→

Product matrix, page 15

For standards see data sheet





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. output current peak	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	< 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).	580 pc(s).	0.178 kg

Specific technical data

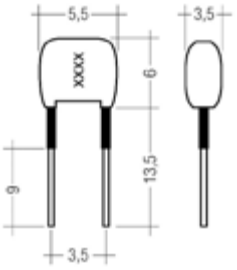
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 55W 900mA–1750mA TOP C	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)

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

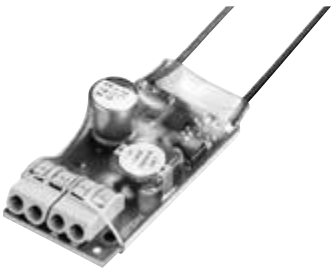


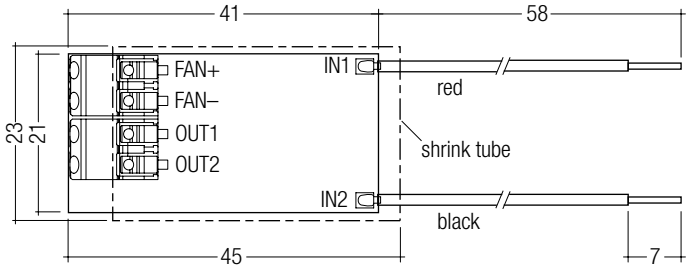
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, DC	25 – 120 V
Output voltage, DC	12.4 V
Min. output voltage LED control gear	26 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCI 20W 350mA–900mA TOP SR

TOP series

Product description

- Independent fixed output LED control gear
- Constant current LED control gear
- 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
- 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
- Integrated terminal cover and strain relief
- 5 separate strain reliefs

Functions

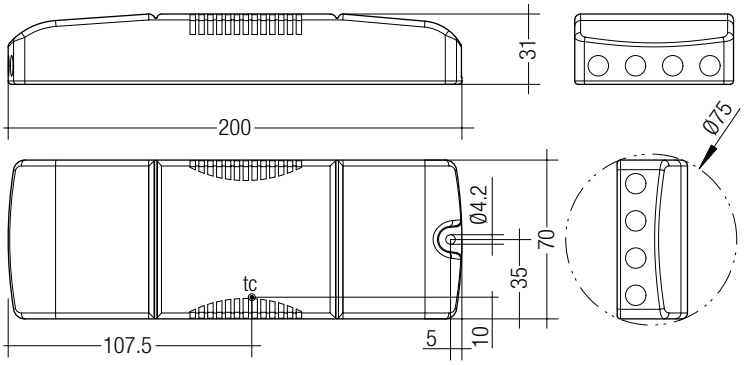
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units acc. to EN 50172

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

→ **Product matrix**, page 15

For standards see data sheet





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. output current peak	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

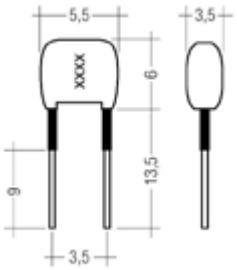
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 20W 350mA–900mA TOP SR	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

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	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 SELV RoHS

NEW

TALEXconverter LCI 35W 350mA–900mA TOP SR

TOP series

Product description

- Independent fixed output LED control gear
- Constant current LED control gear
- 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
- Integrated terminal cover and strain relief
- 5 separate strain reliefs

Functions

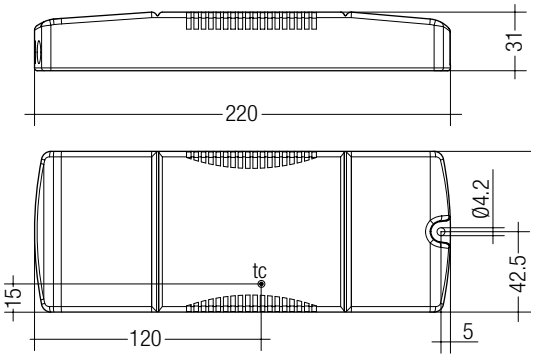
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units acc. to EN 50172

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

→ **Product matrix**, page 15

For standards see data sheet





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. output current peak	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

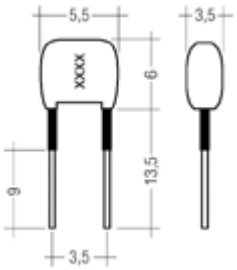
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 350mA–900mA TOP SR	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

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

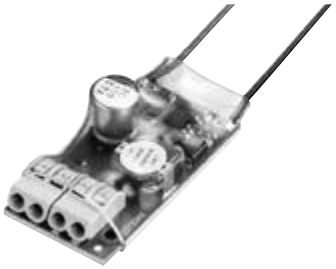


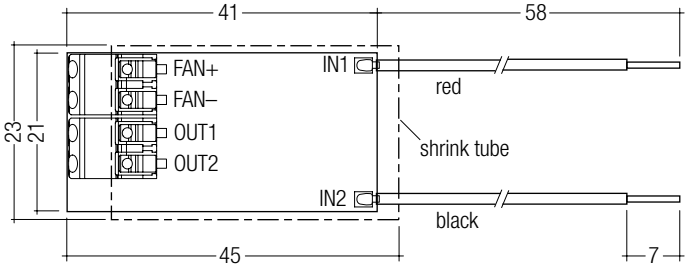
Ordering data

Type	Article number	Colour	Marking	Resistor value	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

ACCES-SORIES

LCF 12V FAN DRIVER





Product description

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

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCI 35W 900mA–1750mA TOP SR

TOP series

Product description

- Independent fixed output LED control gear
- Constant current LED control gear
- 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
- Integrated terminal cover and strain relief
- 5 separate strain reliefs

Functions

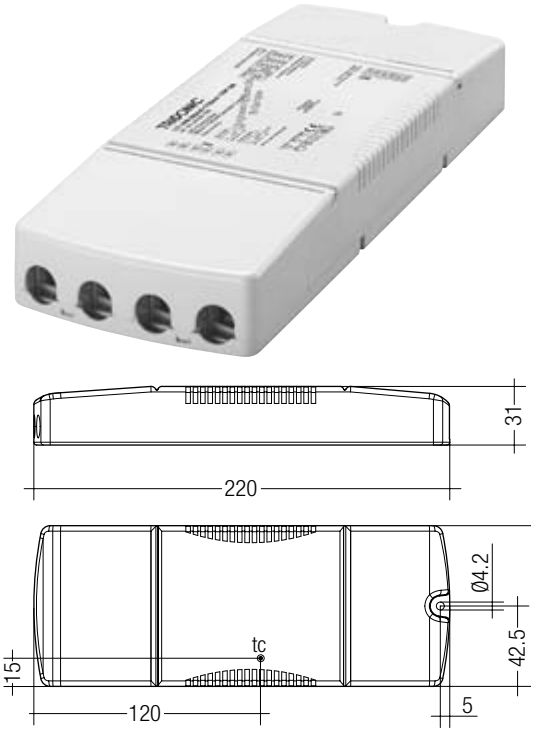
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units acc. to EN 50172

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

→

Product matrix, page 15

For standards see data sheet



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. output current peak	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

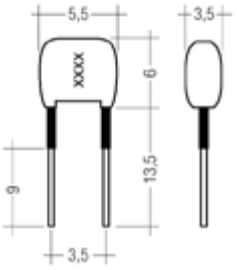
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 35W 900mA–1750mA TOP SR	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

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

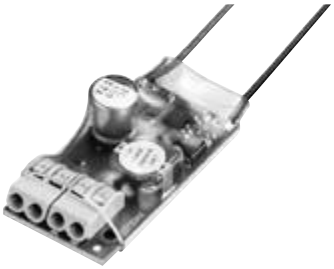


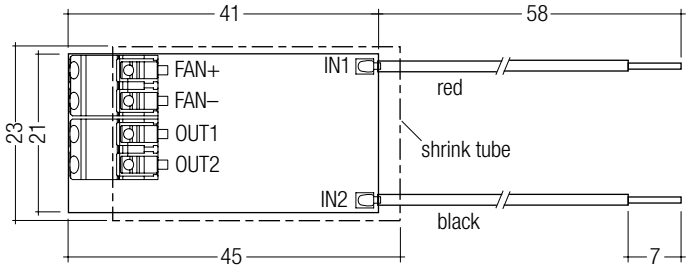
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCI 55W 900mA–1750mA TOP SR

TOP series

Product description

- Independent fixed output LED control gear
- Constant current LED control gear
- 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
- Integrated terminal cover and strain relief
- 5 separate strain reliefs

Functions

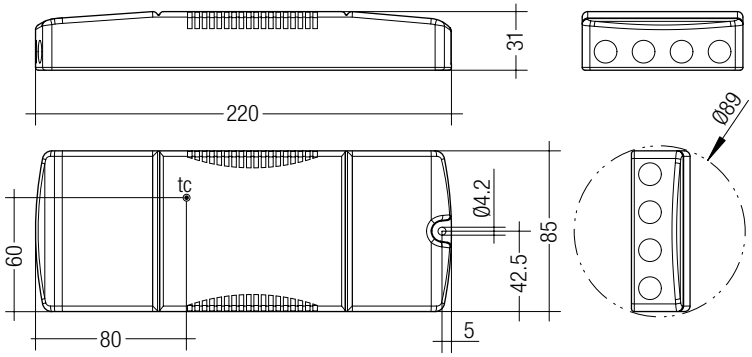
- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Temperature Management (temperature monitoring of LED module)
- Short-circuit protection
- Overload protection
- Suitable for emergency lighting units acc. to EN 50172

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

→ **Product matrix**, page 15

For standards see data sheet





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. output current peak	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	< 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

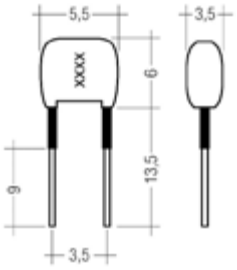
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h	I-select resistor value
LCI 55W 900mA–1750mA TOP SR	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)

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

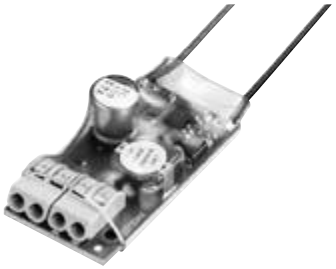


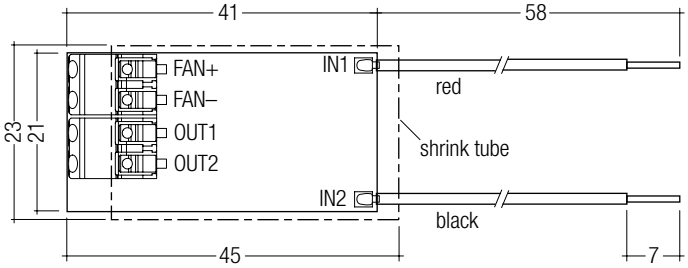
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, DC	25 – 120 V
Output voltage, DC	12.4 V
Min. output voltage LED control gear	26 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

TALEXconverter LCI 5W 350mA IP20

TEC series

Product description

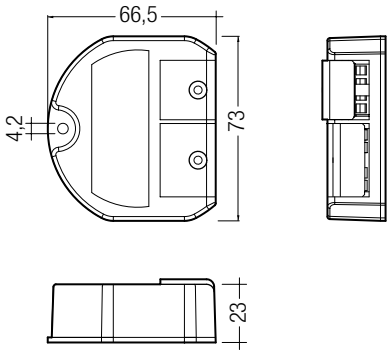
- Constant current LED control gear
- Universal input voltage range
- Constant output current 350 mA
- Strain relief
- Screw terminal

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





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 %
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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

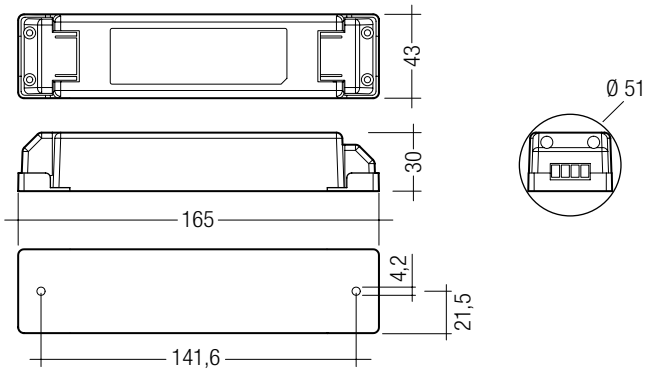
Type	Output current	Output voltage range
LCI 005/0350 E020	350 mA	8 – 19 V

IP20 SELV RoHS

TALEXconverter LCI 15W 350mA IP20

TEC series





Product description

- Constant current LED control gear
- 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 %
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

→ **Product matrix**, page 15

For standards see data sheet

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

TALEXconverter LCI 15W 700mA IP20

TEC series

Product description

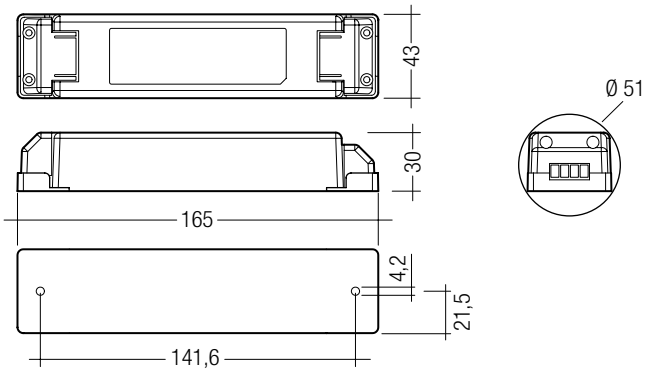
- Constant current LED control gear
- Universal input voltage range
- Constant output current 700 mA
- Strain relief
- Screw terminal

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 %
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

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

→

Product matrix, page 15

For standards see data sheet

Specific technical data

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

IP20 SELV

TALEXconverter LCI 30W 700mA IP20

TEC series

Product description

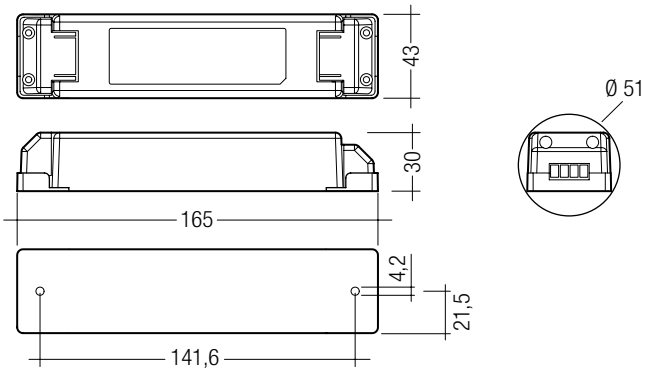
- Constant current LED control gear
- Universal input voltage range
- Constant output current 700 mA
- Strain relief
- Screw terminal

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 power	30 W
Output current tolerance	± 8 %
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	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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

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

IP20 SELV RoHS

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

TEC series

Product description

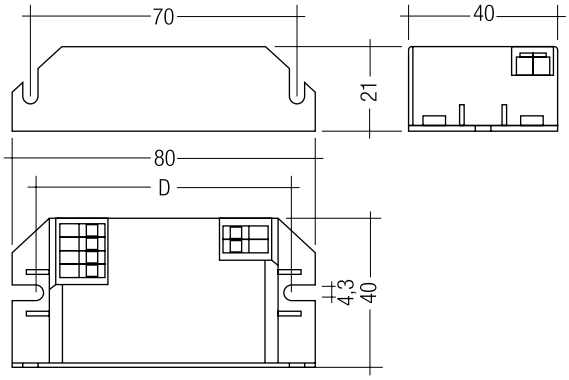
- Nominal life time up to 50,000 h
- 350, 500 or 700 mA output current
- Push-in terminals
- Output power 10 W
- SELV
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Compact dimensions
- 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)	0.07 A
Mains frequency	50 / 60 Hz
Max. input power	12.5 W
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).	0.072 kg
LCI 10W 500mA TEC C	**87500241**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.059 kg
LCI 10W 700mA TEC C	**87500243**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.060 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Typical ripple current at full load
LCI 10W 350mA TEC C	0.75C	82 %	0.7C	78 %	350 mA	13.0 – 29.0 V	33 V	± 20 %
LCI 10W 500mA TEC C	0.75C	82 %	0.7C	77 %	500 mA	9.0 – 20.0 V	27 V	± 30 %
LCI 10W 700mA TEC C	0.75C	80 %	0.7C	75 %	700 mA	6.5 – 14.5 V	21 V	± 30 %

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

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

TEC series

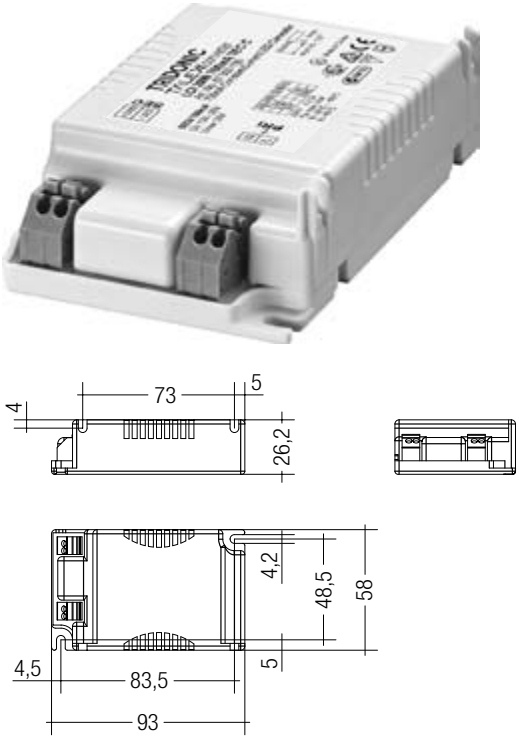
Product description

- Nominal life time up to 50,000 h
- 350, 500 or 700 mA output current
- Push-in terminals
- Output power 20 W
- SELV
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Compact dimensions
- 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 ... +85 °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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②
LCI 20W 350mA TEC C	0.95	86 %	0.89C	83 %	350 mA	26 – 57 V	66 V
LCI 20W 500mA TEC C	0.95	86 %	0.87C	82 %	500 mA	18 – 40 V	48 V
LCI 20W 700mA TEC C	0.95	85 %	0.86C	80 %	700 mA	13 – 29 V	35 V

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

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

TEC series

Product description

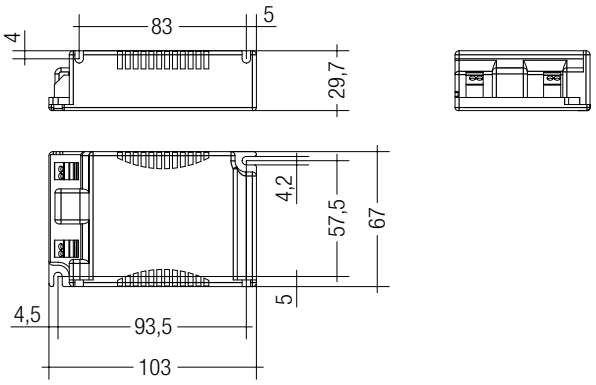
- Nominal life time up to 50,000 h
- 350, 500, 700 or 1,050 mA output current
- Push-in terminals
- Output power 35 W
- SELV
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Compact dimensions
- 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)	0.17 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 ... +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 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

→

Product matrix, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Typical ripple current at full load	Max. casing temperature tc
LCI 35W 350mA TEC C	0.98	90.0 %	0.95	88.5 %	350 mA	50.0 – 100.0 V	115 V	± 25 %	75 °C
LCI 35W 500mA TEC C	0.98	90.0 %	0.95	88.0 %	500 mA	35.0 – 70.0 V	85 V	± 25 %	80 °C
LCI 35W 700mA TEC C	0.99	89.5 %	0.96	86.5 %	700 mA	25.0 – 50.0 V	63 V	± 30 %	80 °C
LCI 35W 1050mA TEC C	0.98	88.0 %	0.94C	83.0 %	1,050 mA	16.5 – 33.5 V	44 V	± 30 %	80 °C

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV

TALEXconverter LCI 42W 900/1050mA TEC C

TEC series

Product description

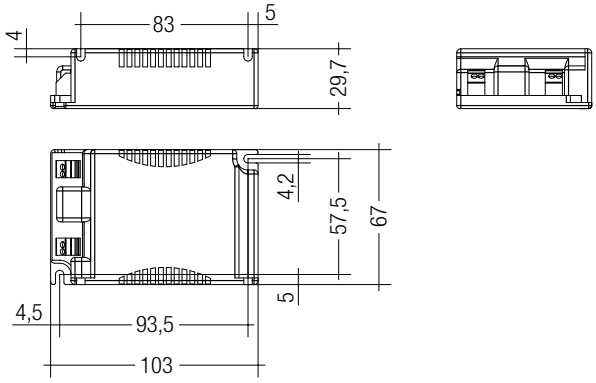
- Nominal life time up to 50,000 h
- 900 or 1,050 mA output current
- Push-in terminals
- Output power 42 W
- SELV
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Compact dimensions
- 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)	0.205 A
Mains frequency	50 / 60 Hz
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 ... +85 °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).	0.134 kg
LCI 42W 1050mA TEC C	**87500247**	15 pc(s).	345 pc(s).	2,760 pc(s).	0.134 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. casing temperature tc
LCI 42W 900mA TEC C	0.98	90 %	0.95	86 %	900 mA	23 – 47 V	60 V	75 °C
LCI 42W 1050mA TEC C	0.98	90 %	0.95	85 %	1,050 mA	20 – 40 V	50 V	80 °C

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

TALEXconverter LCI 60W 700/1050mA TEC C

TEC series

Product description

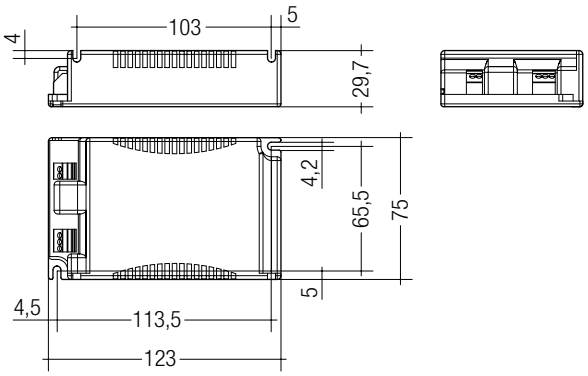
- Nominal life time up to 50,000 h
- 700 or 1,050 mA output current
- Push-in terminals
- Output power 60 W
- SELV
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Compact dimensions
- 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)	0.29 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 ... +85 °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

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Product matrix, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. casing temperature tc
LCI 60W 700mA TEC C	0.98	91.5 %	0.93C	90 %	700 mA	46.5 – 85.5 V	98 V	85 °C
LCI 60W 1050mA TEC C	0.98	90.5 %	0.93C	89 %	1,050 mA	31.0 – 57.0 V	62 V	95 °C

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

TALEXconverter LCI 65W 1400/1750mA TEC C

TEC series

Product description

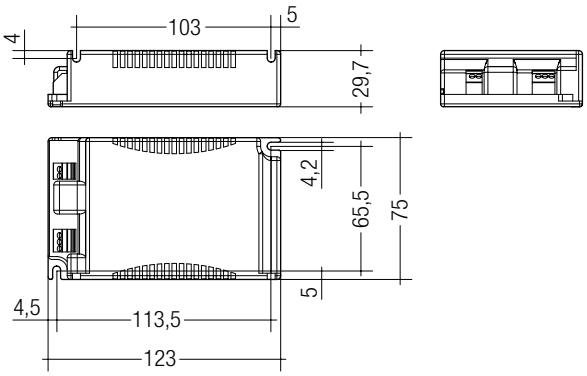
- Nominal life time up to 50,000 h
- 1,400 or 1,750 mA output current
- Push-in terminals
- Output power 65 W
- SELV
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Compact dimensions
- 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 ... +85 °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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②
LCI 65W 1400mA TEC C	0.98	90 %	0.93C	88.5 %	1,400 mA	23.0 – 46.5 V	55 V
LCI 65W 1750mA TEC C	0.98	90 %	0.93C	87.5 %	1,750 mA	18.5 – 37.0 V	43 V

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

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

TEC series

Product description

- Nominal life time up to 50,000 h
- 350, 500 or 700 mA output current
- Double assignment of the terminal possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Connecting cable, cable cross-section 0.5 – 2.5 mm²
- Output power 10 W
- SELV
- Type of protection IP20
- LED control gear for individual luminaires

Properties

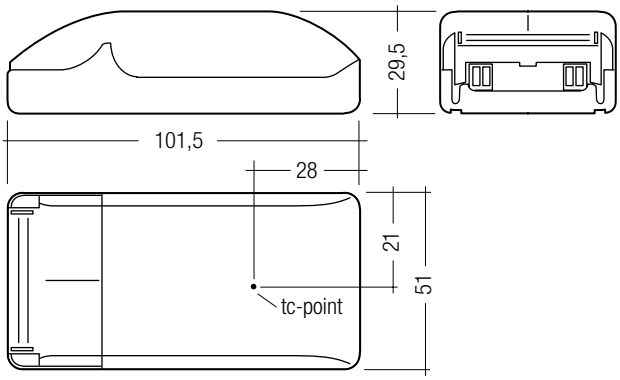
- Casing: polycarbonate, white
- Large connection compartment
- Compact dimensions
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

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

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For standards see data sheet





Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Rated current (at 230 V, 50 Hz)	0.07 A
Mains frequency	50 / 60 Hz
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 67 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).	0.072 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).	0.060 kg

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Typical ripple current at full load
LCI 10W 350mA TEC SR	0.75C	83 %	0.7C	79 %	350 mA	13.0 – 29.0 V	33 V	± 20 %
LCI 10W 500mA TEC SR	0.75C	82 %	0.7C	78 %	500 mA	9.0 – 20.0 V	27 V	± 25 %
LCI 10W 700mA TEC SR	0.75C	81 %	0.7C	76 %	700 mA	6.5 – 14.5 V	21 V	± 25 %

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV

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

TEC series

Product description

- Nominal life time up to 50,000 h
- 350, 500 or 700 mA output current
- 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, cable cross-section 0.5 – 2.5 mm²
- Output power 20 W
- SELV
- Type of protection IP20
- LED control gear for individual luminaires

Properties

- Casing: polycarbonate, white
- Large connection compartment
- Compact dimensions
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

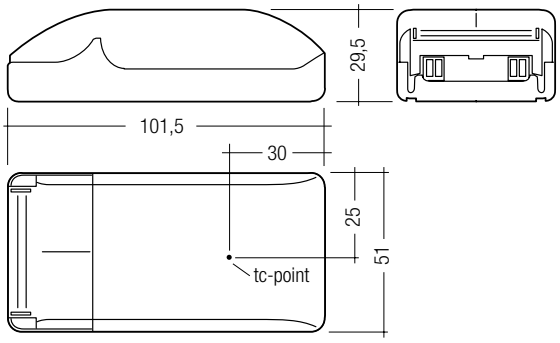
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

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)	0.1 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	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②
LCI 20W 350mA TEC SR	0.95	86 %	0.89C	83 %	350 mA	26 – 57 V	66 V
LCI 20W 500mA TEC SR	0.95	86 %	0.87C	82 %	500 mA	18 – 40 V	46 V
LCI 20W 700mA TEC SR	0.95	85 %	0.86C	80 %	700 mA	13 – 29 V	33 V

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

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

TEC series

Product description

- Nominal life time up to 50,000 h
- 350, 500, 700 or 1,050 mA output current
- Double assignment of the terminal possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Connecting cable, cable cross-section 0.5 – 2.5 mm²
- Output power 35 W
- SELV
- Type of protection IP20
- LED control gear for individual luminaires

Properties

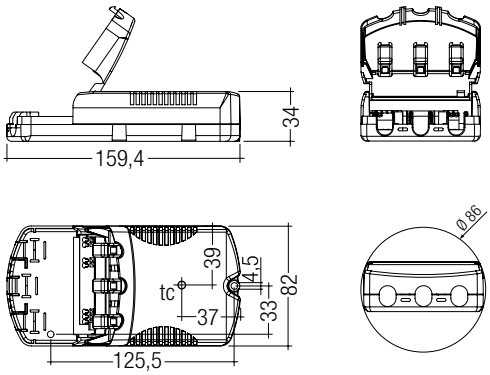
- Casing: polycarbonate, white
- Large connection compartment
- Compact dimensions
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

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

→ **Product matrix**, page 15

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)	0.17 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 ... +85 °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	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Typical ripple current at full load
LCI 35W 350mA TEC SR	0.98	90.0 %	0.95	88.5 %	350 mA	50.0 – 100.0 V	115 V	± 25 %
LCI 35W 500mA TEC SR	0.98	90.0 %	0.95	88.0 %	500 mA	35.0 – 70.0 V	85 V	± 25 %
LCI 35W 700mA TEC SR	0.99	89.5 %	0.96	86.5 %	700 mA	25.0 – 50.0 V	60 V	± 30 %
LCI 35W 1050mA TEC SR	0.98	88.0 %	0.94C	83.0 %	1,050 mA	16.5 – 33.5 V	40 V	± 30 %

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

TALEXconverter LCI 42W 900/1050mA TEC SR

TEC series

Product description

- Nominal life time up to 50,000 h
- 900 or 1,050 mA output current
- Double assignment of the terminal possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Connecting cable, cable cross-section 0.5 – 2.5 mm²
- Output power 42 W
- SELV
- Type of protection IP20
- LED control gear for individual luminaires

Properties

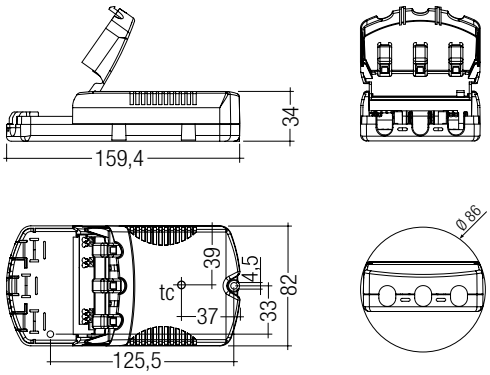
- Casing: polycarbonate, white
- Large connection compartment
- Compact dimensions
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

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

Product matrix, page 15

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)	0.205 A
Mains frequency	50 / 60 Hz
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 ... +85 °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).	0.2 kg
LCI 42W 1050mA TEC SR	**87500248**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.2 kg

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. casing temperature tc
LCI 42W 900mA TEC SR	0.98	90 %	0.95	85 %	900 mA	23 – 47 V	60 V	75 °C
LCI 42W 1050mA TEC SR	0.98	90 %	0.95	86 %	1,050 mA	20 – 40 V	50 V	80 °C

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

TALEXconverter LCI 60W 700/1050mA TEC SR

TEC series

Product description

- Nominal life time up to 50,000 h
- 700 or 1,050 mA output current
- 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, cable cross-section 0.5 – 2.5 mm²
- Output power 60 W
- SELV
- Type of protection IP20
- LED control gear for individual luminaires

Properties

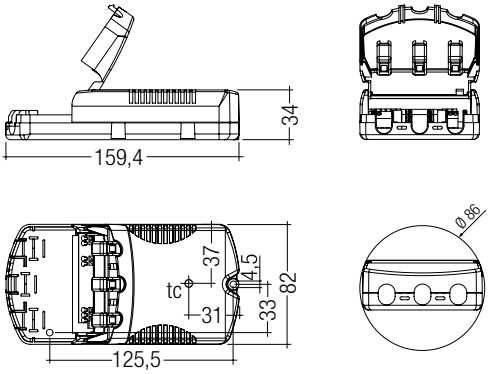
- Casing: polycarbonate, white
- Large connection compartment
- Compact dimensions
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

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

→ **Product matrix**, page 15

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)	0.29 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 ... +85 °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	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. casing temperature tc
LCI 60W 700mA TEC SR	0.98	91.5 %	0.93C	700 mA	46.5 – 85.5 V	98 V	80 °C
LCI 60W 1050mA TEC SR	0.98	90.5 %	0.93C	1,050 mA	31.0 – 57.0 V	62 V	85 °C

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

TALEXconverter LCI 65W 1400/1750mA TEC SR

TEC series

Product description

- Nominal life time up to 50,000 h
- 1,400 or 1,750 mA output current
- Double assignment of the terminal possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Connecting cable, cable cross-section 0.5 – 2.5 mm²
- Output power 65 W
- SELV
- Type of protection IP20
- LED control gear for individual luminaires

Properties

- Casing: polycarbonate, white
- Large connection compartment
- Compact dimensions
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

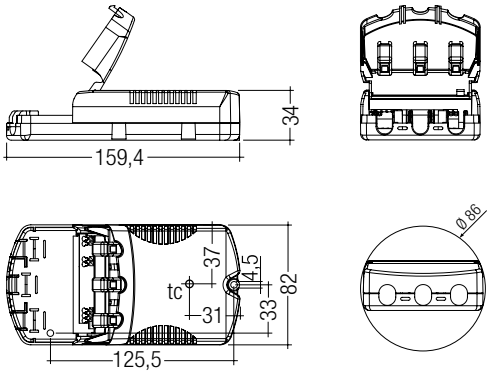
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

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)	0.32 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 ... +85 °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	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②
LCI 65W 1400mA TEC SR	0.98	90 %	0.91C	88.5 %	1,400 mA	23.0 – 46.5 V	55 V
LCI 65W 1750mA TEC SR	0.98	90 %	0.94C	87.5 %	1,750 mA	18.5 – 37.0 V	43 V

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

NEW

TALEXconverter LCAI 10W 150mA–400mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

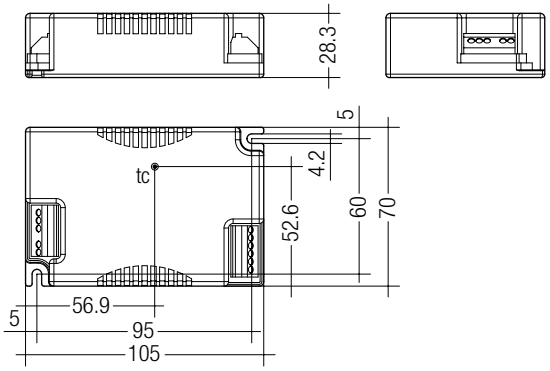
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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. output current peak	≤ 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)

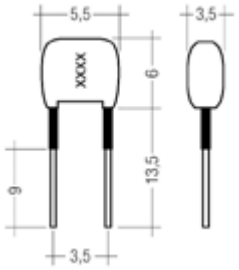
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 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

NEW

TALEXconverter LCAI 10W 350mA–900mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

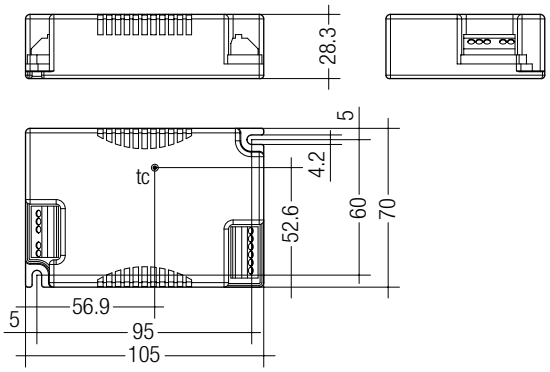
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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. output current peak	≤ 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)

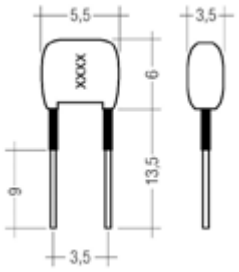
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 SELV RoHS

NEW

TALEXconverter LCAI 20W 350mA–900mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

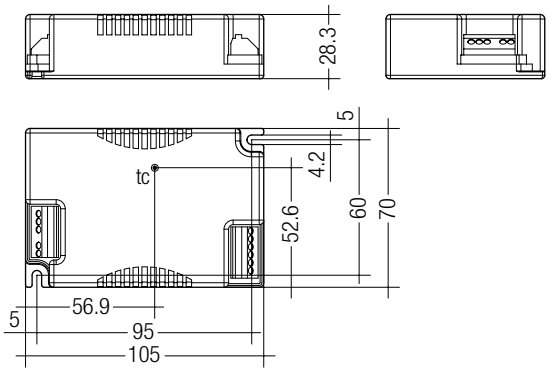
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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. output current peak	≤ 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)

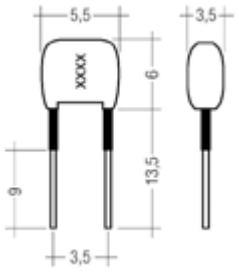
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 SELV RoHS

NEW

TALEXconverter LCAI 35W 350mA–900mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

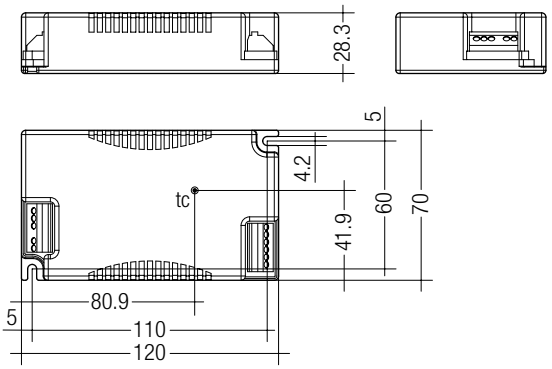
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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)	< 0.2 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. output current peak	≤ 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

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)

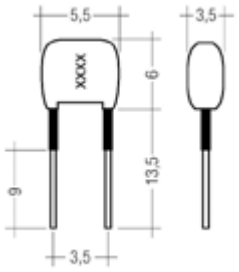
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

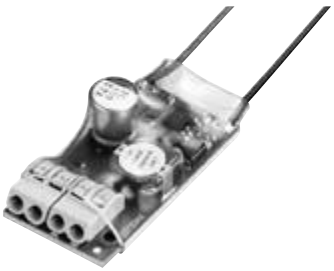


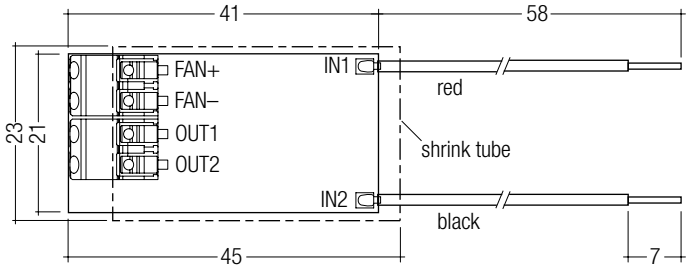
Ordering data

Type	Article number	Colour	Marking	Resistor value	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

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

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

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCAI 35W 900mA–1750mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

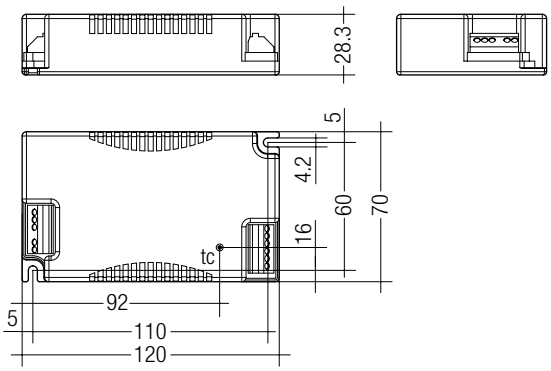
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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)	< 0.2 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. output current peak	≤ 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)

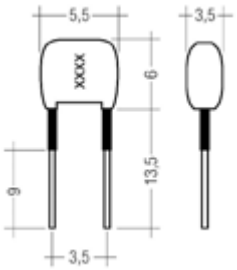
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

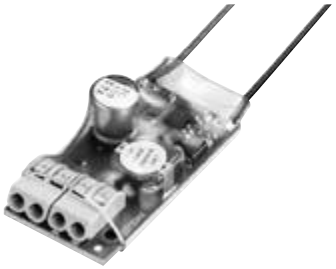


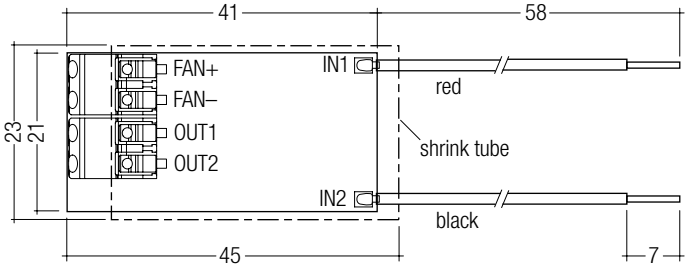
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCAI 55W 900mA–1750mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

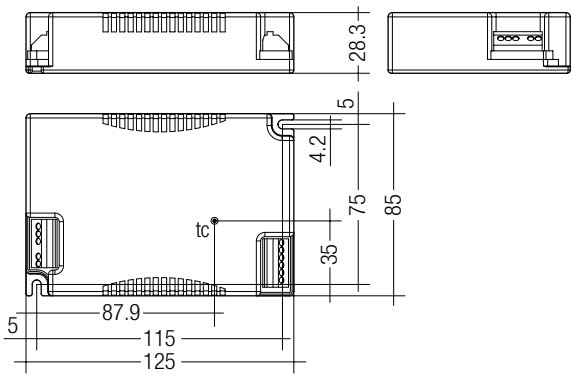
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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)	< 0.2 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. output current peak	≤ 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).	580 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)

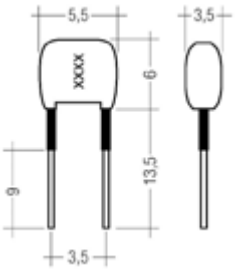
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

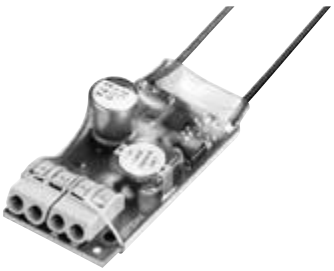


Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 kΩ	10 pc(s).	0.001 kg

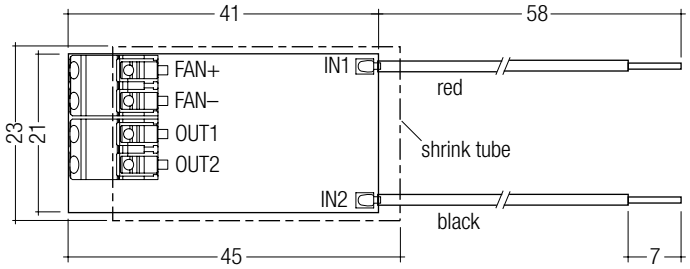
ACCES-
SORIES

LCF 12V FAN DRIVER



Product description

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



Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCAI 100W 900mA–1750mA ECO C

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

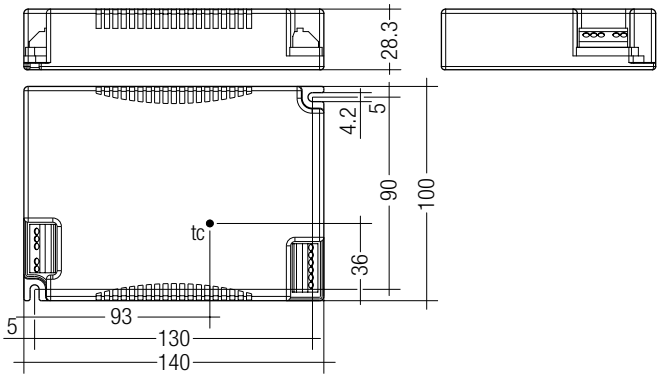
→ For product data sheet go to www.tridonic.com, or available on request

→

Product matrix, page 15

For standards see data sheet





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)	389 – 486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	–
Leakage current (PE)	0.47 mA
Max. input power	115 W
Typ. efficiency (at 230 V, 50 Hz, full load)	90 – 91.5 %
λ (at 230 V, 50 Hz, full load)	≥ 0.98
Typ. power input on stand-by	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)	< 0.5 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance	± 3 %
Output current ripple	± 15 %
Max. output current peak	≤ output current + 18 %
PWM frequency	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
LCAI 100W 900mA–1750mA ECO C	**28000137**	10 pc(s).	500 pc(s).

Specific technical data

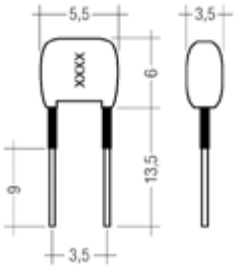
Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 100W 900mA–1750mA ECO C	900 mA	41 V	90 V	81.0 W	89.4 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)

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

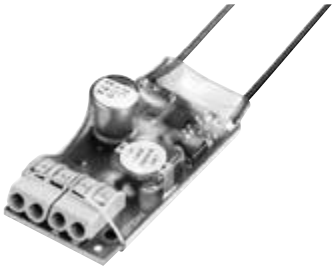


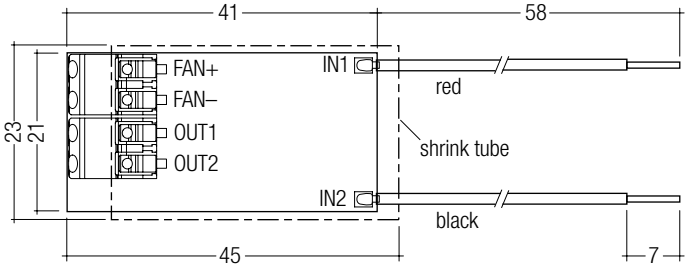
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCAI 20W 350mA–900mA ECO SR

ECO series

Product description

- Independent dimmable LED control gear
- Constant current LED control gear
- 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 units acc. to EN 50172

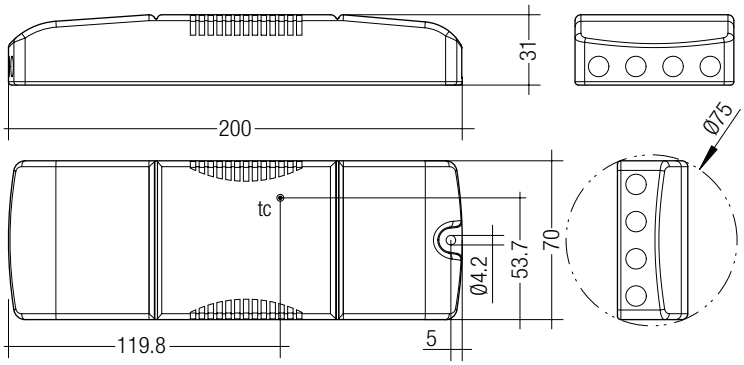
→ For product data sheet go to www.tridonic.com, or available on request

→

Product matrix, page 15

For standards see data sheet





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. output current peak	≤ 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)

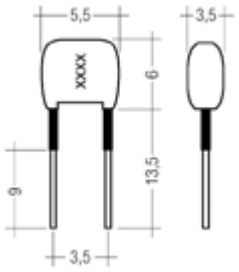
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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

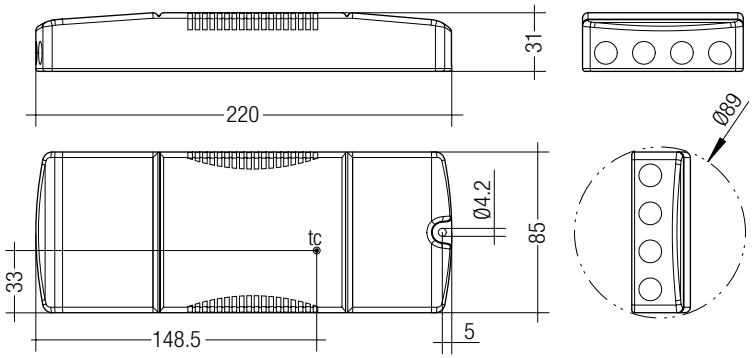
IP20 SELV RoHS

NEW

TALEXconverter LCAI 35W 350mA–900mA ECO SR

ECO series





Product description

- Independent dimmable LED control gear
- Constant current LED control gear
- 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

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 units acc. to EN 50172

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

→

Product matrix, page 15

For standards see data sheet

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)	< 0.2 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. output current peak	≤ 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)

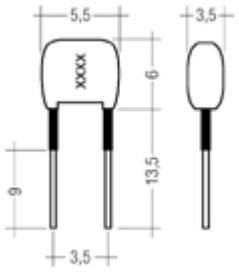
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

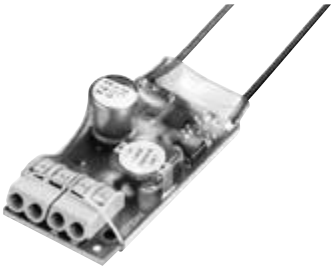


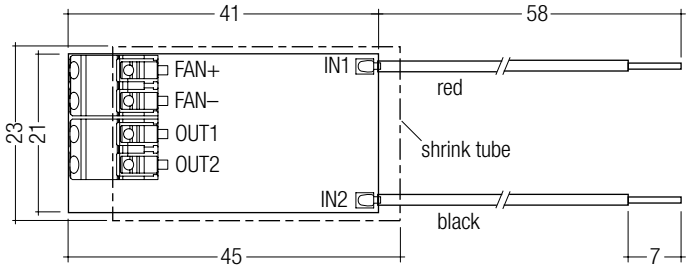
Ordering data

Type	Article number	Colour	Marking	Resistor value	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

ACCES-
SORIES

LCF 12V FAN DRIVER





Product description

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

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

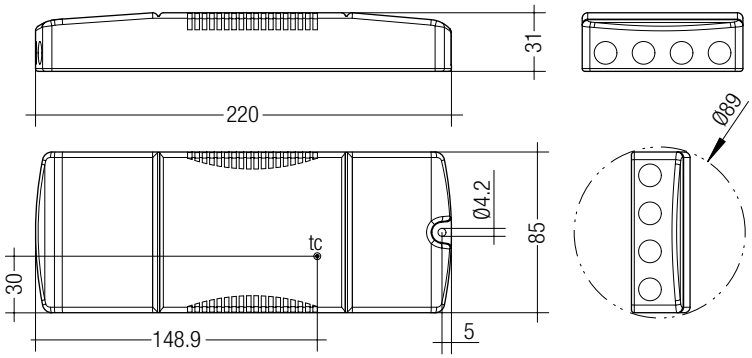
IP20 SELV

NEW

TALEXconverter LCAI 35W 900mA–1750mA ECO SR

ECO series





Product description

- Independent dimmable LED control gear
- Constant current LED control gear
- 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

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 units acc. to EN 50172

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

→ **Product matrix**, page 15

For standards see data sheet

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)	< 0.2 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. output current peak	≤ 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)

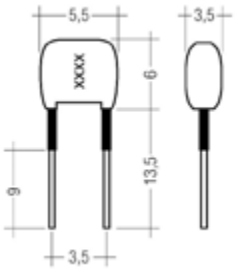
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

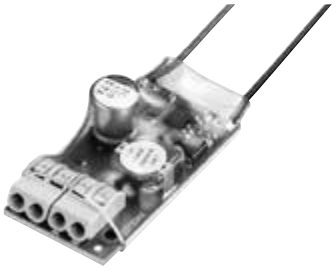


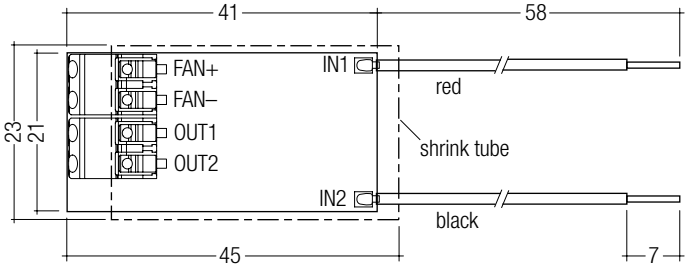
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCAI 55W 900mA–1750mA ECO SR

ECO series

Product description

- Independent dimmable LED control gear
- Constant current LED control gear
- 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

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 units acc. to EN 50172

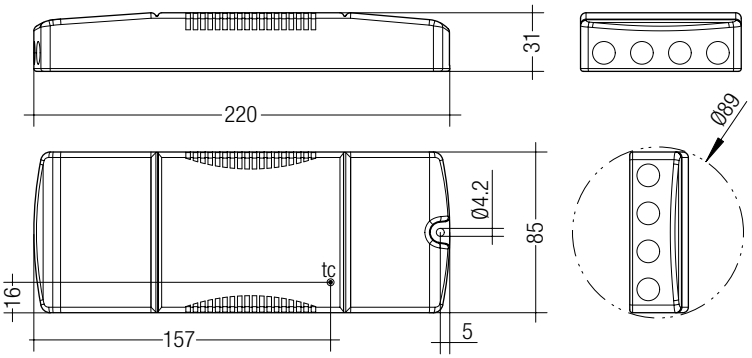
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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)	< 0.2 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. output current peak	≤ 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)

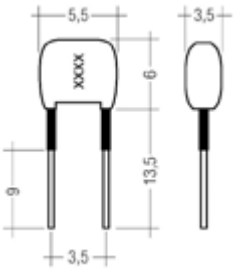
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

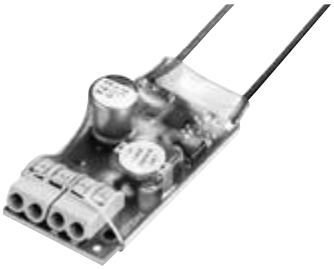


Ordering data

Type	Article number	Colour	Marking	Resistor value	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 kΩ	10 pc(s).	0.001 kg

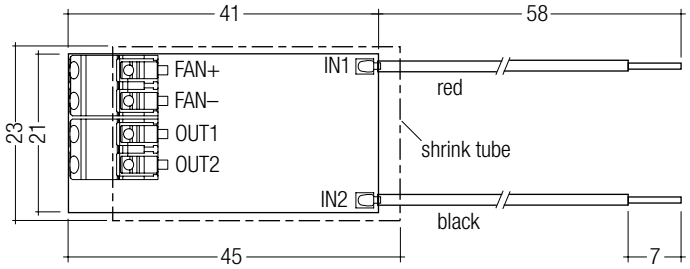
ACCES-
SORIES

LCF 12V FAN DRIVER



Product description

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



Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

TALEXconverter LCAI 100W 900mA–1750mA ECO SR

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

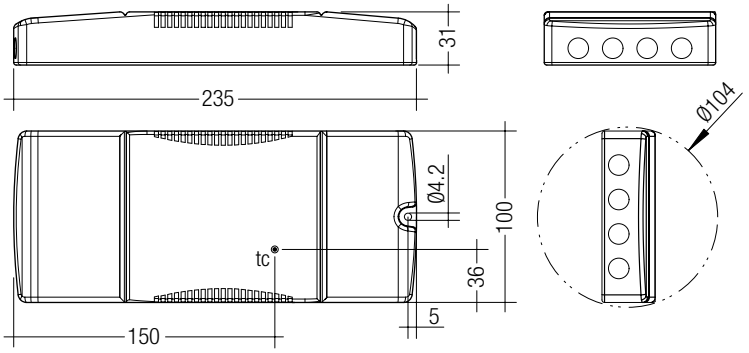
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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)	389 – 486 mA
Typ. current (220 V, 0 Hz, full load, 15 % dimming level)	63 – 76 mA
Leakage current (PE)	0.47 mA
Max. input power	115 W
Typ. efficiency (at 230 V, 50 Hz, full load)	90 – 91.5 %
λ (at 230 V, 50 Hz, full load)	≥ 0.98
Typ. power input on stand-by	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)	< 0.5 s
Switchover time (AC/DC)	< 0.3 s
Turn off time (at 230 V, 50 Hz, full load)	< 20 ms
Hold on time (at 230 V, 50 Hz, full load)	< 20 ms
Output current tolerance	± 3 %
Output current ripple	± 15 %
Max. output current peak	≤ output current + 18 %
PWM frequency	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
LCAI 100W 900mA–1750mA ECO SR	**28000256**	1 pc(s).	1 pc(s).

Specific technical data

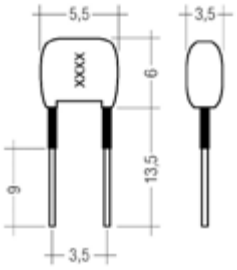
Type	Output current	Min. forward voltage	Max. forward voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta	I-select resistor value
LCAI 100W 900mA–1750mA ECO SR	900 mA	41 V	90 V	81.0 W	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)

ACCES-SORIES

I-SELECT PLUG

Product description

- Ready-for-use resistor to set output current value
- Resistor is base isolated
- Resistor power 0.25 W
- Resistor value tolerance ± 1 %

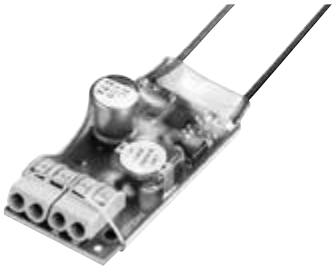


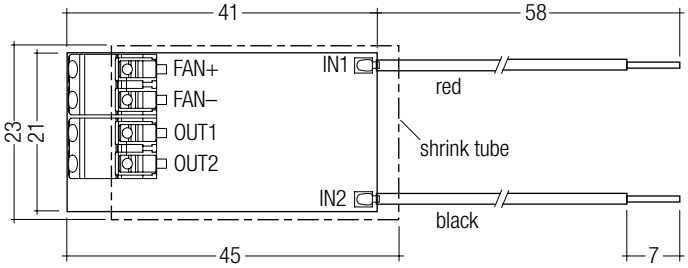
Ordering data

Type	Article number	Colour	Marking	Resistor value	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 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 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 (independent of the optional temperature sensor)
- Connection: stranded wires 0.2 mm², stripped wire endings twisted and tin-plated
- Max. output power of the LED control gear will be reduced by the power consumption of the fan and LCF 12V FAN DRIVER

Technical data

Input voltage, 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)	0.90 W
Max. power consumption incl. fan (at 70 mA)	1.25 W
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	**86459562**	50 pc(s).	1,200 pc(s).	0.01 kg

IP20 SELV RoHS

NEW

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

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 (DALI)
- Power-up fading at AC
- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit protection
- Overload protection
- Constant light output function
- Suitable for emergency lighting units acc. to EN 50172

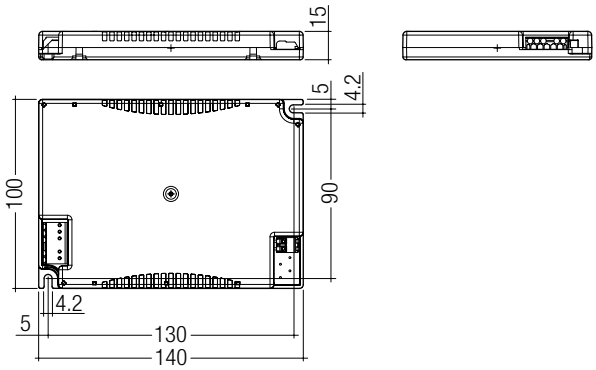
→ For product data sheet go to www.tridonic.com, or available on request

→

Product matrix, page 15

For standards see data sheet





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)	< 0.2 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. output current peak	≤ output current + 18 %
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
LCAI 35W 350mA–900mA ECO C flat	**28000336**	20 pc(s).	1,000 pc(s).

Specific technical data

Type	Output current	Min. forward voltage	Max. forward voltage⑥	Max. output power⑥	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
LCAI 35W 350mA–900mA ECO C flat	350 mA	40 V	90.0 V	31.5 W	35.0 W	152 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	375 mA	40 V	90.0 V	33.8 W	37.6 W	163 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	400 mA	39 V	88.0 V	35.0 W	37.9 W	165 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	425 mA	37 V	82.5 V	35.0 W	38.2 W	167 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	450 mA	35 V	78.0 V	35.0 W	38.6 W	169 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	475 mA	33 V	74.0 V	35.0 W	38.9 W	170 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	500 mA	31 V	70.5 V	35.0 W	39.2 W	172 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	525 mA	30 V	67.0 V	35.0 W	39.3 W	173 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	550 mA	28 V	64.0 V	35.0 W	39.4 W	173 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	575 mA	27 V	61.0 V	35.0 W	39.4 W	174 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	600 mA	26 V	58.5 V	35.0 W	39.5 W	175 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	625 mA	25 V	56.5 V	35.0 W	39.6 W	175 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	650 mA	24 V	54.0 V	35.0 W	39.7 W	176 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	675 mA	23 V	52.0 V	35.0 W	39.7 W	176 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	700 mA	22 V	50.5 V	35.0 W	39.8 W	177 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	725 mA	21 V	48.5 V	35.0 W	39.9 W	178 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	750 mA	21 V	47.0 V	35.0 W	40.0 W	179 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	775 mA	20 V	45.5 V	35.0 W	40.1 W	180 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	800 mA	19 V	44.0 V	35.0 W	40.3 W	181 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	825 mA	19 V	42.5 V	35.0 W	40.4 W	182 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	850 mA	18 V	41.5 V	35.0 W	40.5 W	183 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	875 mA	17 V	40.5 V	35.0 W	40.6 W	184 mA	80 °C	-25 ... +60 °C
LCAI 35W 350mA–900mA ECO C flat	900 mA	17 V	39.0 V	35.0 W	40.7 W	185 mA	80 °C	-25 ... +60 °C

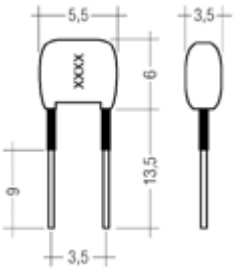
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 SELV

NEW

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

BASIC series

Product description

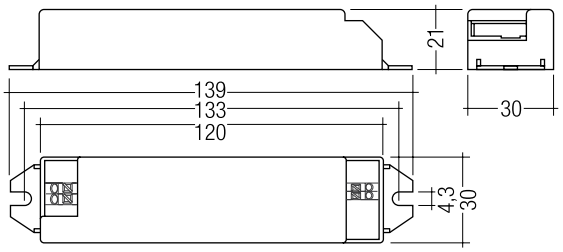
- Dimmable via leading-edge and trailing-edge phase dimmer
- Nominal life time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, cable cross-section 0.5 – 1.5 mm²
- Output power 15 / 16 W
- SELV
- Type of 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





Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Output current tolerance	± 5 %
Typical ripple current at full load	± 30 %
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
Ambient temperature ta	-25 ... +50 °C
Ambient temperature ta (at life time 50,000 h)	50 °C
Max. casing temperature tc	85 °C
Storage temperature ts	-40 ... +85 °C
Storage temperature	–
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 phase-cut lp	**89800255**	25 pc(s).	600 pc(s).	0.053 kg
LCBI 15W 500mA BASIC phase-cut lp	**89800256**	25 pc(s).	600 pc(s).	0.053 kg
LCBI 15W 700mA BASIC phase-cut lp	**89800257**	25 pc(s).	600 pc(s).	0.053 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. rated current with fan (at 230 V, 50 Hz, full load)	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. input power	Max. output power
LCBI 15W 350mA BASIC phase-cut lp	0.10 A	78 %	76 %	350 mA	21.0 – 46.0 V	51 V	21 W	16 W
LCBI 15W 500mA BASIC phase-cut lp	0.09 A	77 %	75 %	500 mA	13.5 – 30.0 V	34 V	20 W	15 W
LCBI 15W 700mA BASIC phase-cut lp	0.09 A	76 %	74 %	700 mA	10.0 – 21.5 V	24 V	20 W	15 W

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

NEW

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

BASIC series

Product description

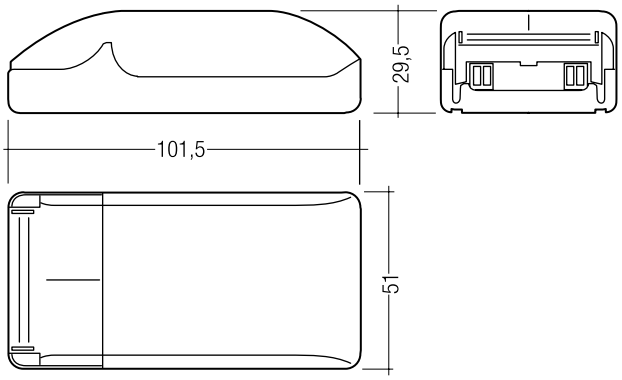
- Dimmable via leading-edge and trailing-edge phase dimmer
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, cable cross-section 0.5 – 1.5 mm²
- Output power 14 / 15 W
- SELV
- Type of 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
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
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
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
LCBI 15W 350mA BASIC phase-cut SR	**89800266**	20 pc(s).	1,000 pc(s).
LCBI 15W 500mA BASIC phase-cut SR	**89800267**	20 pc(s).	1,000 pc(s).
LCBI 15W 700mA BASIC phase-cut SR	**89800268**	20 pc(s).	1,000 pc(s).

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. rated current (at 230 V, 50 Hz, full load)	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. input power	Max. output power
LCBI 15W 350mA BASIC phase-cut SR	0.09 A	78 %	76 %	350 mA	21.0 – 42 V	51 V	19 W	15 W
LCBI 15W 500mA BASIC phase-cut SR	0.09 A	77 %	75 %	500 mA	13.5 – 30 V	34 V	20 W	15 W
LCBI 15W 700mA BASIC phase-cut SR	0.09 A	76 %	74 %	700 mA	10.0 – 20 V	24 V	19 W	14 W

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

NEW

TALEXconverter LCBI 25W 700mA BASIC phase-cut SR

BASIC series

Product description

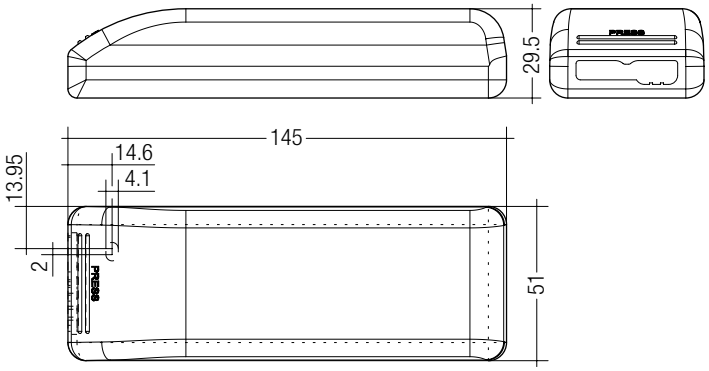
- Dimmable via leading-edge and trailing-edge phase dimmer
- Nominal life time of 50,000 h (at ta max. 50 °C with a failure rate of max. 0.2 % per 1,000 h)
- 700 mA output current
- Screw terminals
- Connecting cable, wire cross-section 0.5 – 2.5 mm²
- Output power 25 W
- SELV
- Type of protection IP20
- 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





Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Output current tolerance	± 7.5 %
Typical ripple current at full load	± 30 %
Power factor at full load ①	0.99
Power factor at min. load ①	0.97
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

→

Product matrix, page 15

For standards see data sheet

Specific technical data

Type	Typ. rated current (at 230 V, 50 Hz, full load)	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. input power	Max. output power
LCBI 25W 700mA BASIC phase-cut SR	0.13 A	83 %	82 %	700 mA	16 – 35 V	39 V	30 W	25 W

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

NEW

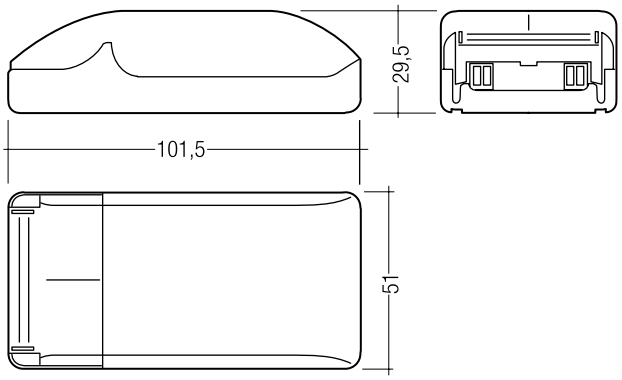
TALEXconverter LCBU 10W 12V BASIC phase-cut SR

BASIC series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmer
- Nominal life time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V 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

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typical ripple current at full load	± 30 %
Power factor at full load ①	0.9
Power factor at min. load ①	0.7
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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. rated current (at 230 V, 50 Hz, full load)	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage range	Max. output voltage	Max. input power	Max. output power
LCBU 10W 12V BASIC phase-cut SR	0.06 A	77 %	65 %	0.83 A	11 – 15 V	15 V	13 W	10 W

① Test result at 230 V, 50 Hz.

IP20 SELV

NEW

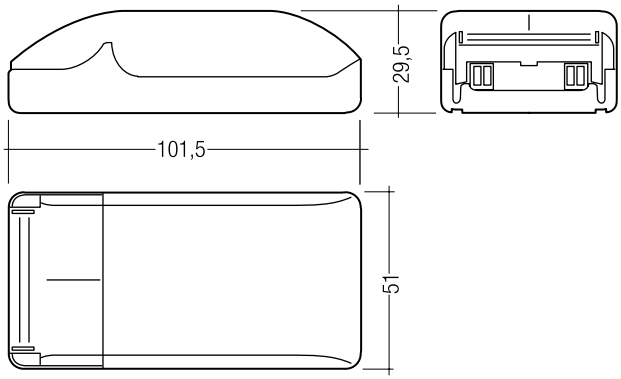
TALEXconverter LCBU 25W 12V BASIC phase-cut SR

BASIC series

Product description

- Dimmable via leading-edge and trailing-edge phase dimmer
- Nominal life time of 50,000 h (at max ta 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- 12 V output voltage
- Screw terminal
- Connecting cable, cable cross-section 0.5 – 1.5 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

Technical data

Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Mains frequency	50 / 60 Hz
Typical ripple current at full load	± 30 %
Power factor at full load ①	0.99
Power factor at min. load ①	0.75
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	–
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	–

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet
LCBU 25W 12V BASIC phase-cut SR	**89800290**	1 pc(s).	1 pc(s).

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. rated current (at 230 V, 50 Hz, full load)	Efficiency at full load ①	Efficiency at min. load ①	Output current	Output voltage range	Max. output voltage	Max. input power	Max. output power
LCBU 25W 12V BASIC phase-cut SR	0.15 A	79 %	–	2.1 A	11 – 15 V	15 V	32 W	25 W

① Test result at 230 V, 50 Hz.

IP20 SELV

NEW

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

BASIC series

Product description

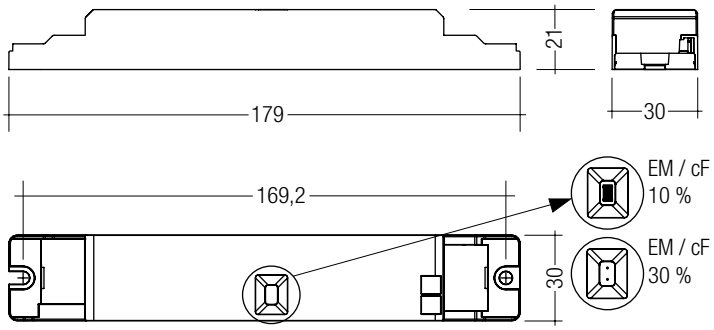
- Constant current LED control gear for luminaire installation
- Nominal life time of 50,000 h (at ta max. with a failure rate ≤ 0.2 % per 1,000 h)
- 350, 500 or 700 mA output current
- Push-in terminals
- Connecting cable, cable cross-section 0.5 – 1.5 mm²
- Output power 15 / 16 / 16.5 W
- SELV
- Type 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





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 %
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
LCI 15W 350mA stepDIM lp	**89800277**	1 pc(s).	1 pc(s).
LCI 15W 500mA stepDIM lp	**89800278**	1 pc(s).	1 pc(s).
LCI 15W 700mA stepDIM lp	**89800279**	1 pc(s).	1 pc(s).

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Typ. output current	Output current tolerance	Min. forward voltage	Max. forward voltage	Typ. output power	Typ. power consumption	Typ. power 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 30 % (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 RoHS

TALEXconverter LCI 40W 300mA I010

TOP series

Product description

- Built-in control gear for LED
- Constant current LED control gear with 300 mA output current
- Output power 40 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

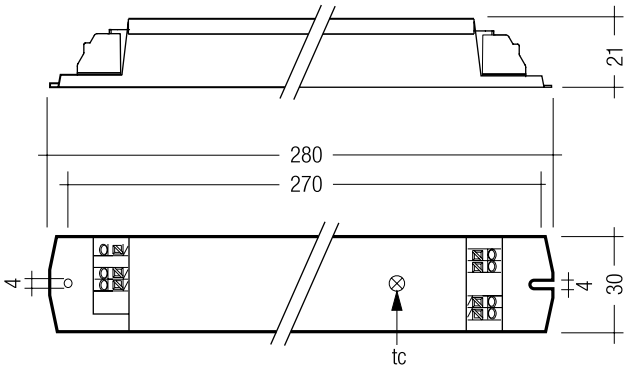
- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting units 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
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)	0.19 A
Mains current (at 220 V, 0 Hz, full load)	0.2 A
Leakage current (PE)	< 0.2 mA
Max. input power	45 W
Typ. efficiency (at 230 V, 50 Hz, full load)	> 92.5 %
Typ. λ (at 230 V, 50 Hz, full load)	0.95
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	65 °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 040/0300 I010 220-240 V	**28000161**	10 pc(s).	960 pc(s).	0.199 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Output current	Output current tolerance	Output voltage range	Max. output voltage ②	Typ. output power
LCI 040/0300 I010 220-240 V	300 mA	± 5 %	50 – 135 V	250 V	40 W

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

IP20

TALEXconverter LCI 50W 350mA I010

TOP series

Product description

- Built-in control gear for LED
- Constant current LED control gear with 350 mA output current
- Output power 50 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

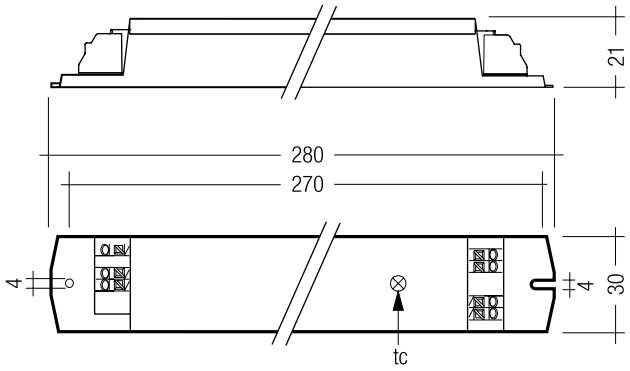
- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting units 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
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)	0.24 A
Mains current (at 220 V, 0 Hz, full load)	0.24 A
Leakage current (PE)	< 0.2 mA
Max. input power	56 W
Typ. efficiency (at 230 V, 50 Hz, full load)	> 93 %
Typ. λ (at 230 V, 50 Hz, full load)	0.95
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	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 050/0350 I010 220-240 V	**28000159**	10 pc(s).	960 pc(s).	0.199 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Output current	Output current tolerance	Output voltage range	Max. output voltage ②	Typ. output power
LCI 050/0350 I010 220-240 V	350 mA	± 5 %	50 – 140 V	250 V	50 W

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

IP20 RoHS

TALEXconverter LCI 70W 300mA I010

TOP series

Product description

- Built-in control gear for LED
- Constant current LED control gear 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 max. 0.2 % per 1,000 h)
- 5-year guarantee

Properties

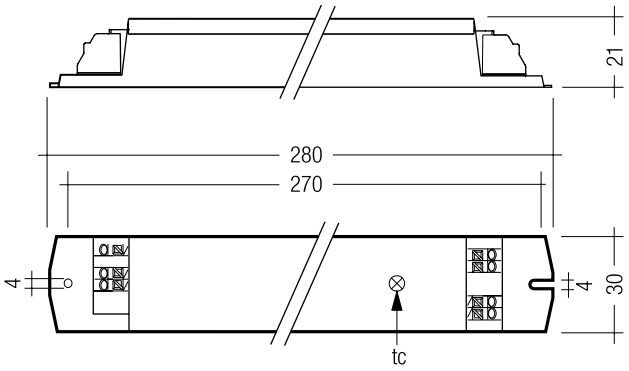
- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting units 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
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
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	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).	0.197 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Output current	Output current tolerance	Output voltage range	Max. output voltage ②	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

TALEXconverter LCI 80W 350mA I010

TOP series

Product description

- Built-in control gear for LED
- Constant current LED control gear 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

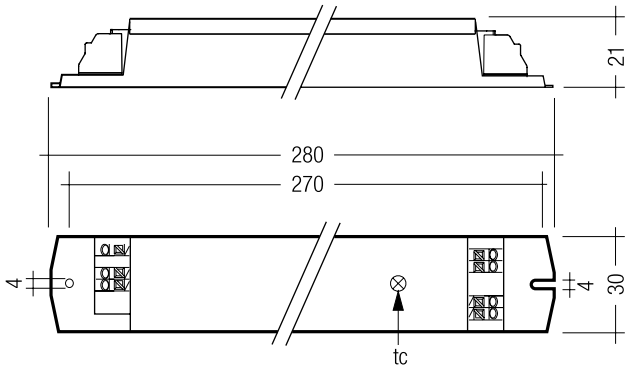
- Low profile metal casing with white cover
- Type of protection IP20

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting units 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
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
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	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 080/0350 I010 220-240V	**28000093**	10 pc(s).	960 pc(s).	0.196 kg

→

Product matrix, page 15

For standards see data sheet

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

NEW

TALEXconverter LCI 20W 150mA–400mA TOP lp

TOP series

Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- Output current settable 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

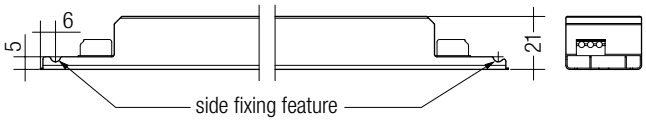
- Low profile metal casing with white cover
- Type of protection IP20

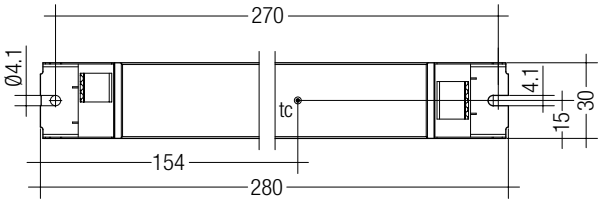
Functions

- Intelligent Temperature Guard (overtemperature protection)
- Short-circuit proof
- Overload protection
- Suitable for emergency lighting units 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 (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 switch-off	< 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 lp	**28000205**	10 pc(s).	960 pc(s).	0.173 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

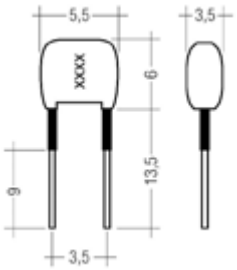
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point	Ambient temperature ta	tc/ta for ≥ 50.000 h	I-select resistor value
LCI 20W 150mA–400mA TOP Ip	150 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 Ip	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 Ip	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 Ip	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 Ip	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 Ip	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 Ip	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 Ip	325 mA	21.6 V	48 V	15.6 W	18.6 W	88 mA	0.92	75 °C	-25 … +60 °C	75 / 60 °C	22.00 kΩ
LCI 20W 150mA–400mA TOP Ip	350 mA	21.6 V	48 V	16.8 W	20.0 W	94 mA	0.93	75 °C	-25 … +60 °C	75 / 60 °C	12.00 kΩ
LCI 20W 150mA–400mA TOP Ip	375 mA	21.6 V	48 V	18.0 W	21.3 W	99 mA	0.94	75 °C	-25 … +60 °C	75 / 60 °C	6.19 kΩ
LCI 20W 150mA–400mA TOP Ip	400 mA	21.6 V	48 V	19.2 W	22.6 W	105 mA	0.94	75 °C	-25 … +60 °C	75 / 60 °C	short circuit (0 kΩ)

ACCES-SORIES

I-SELECT PLUG

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	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 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

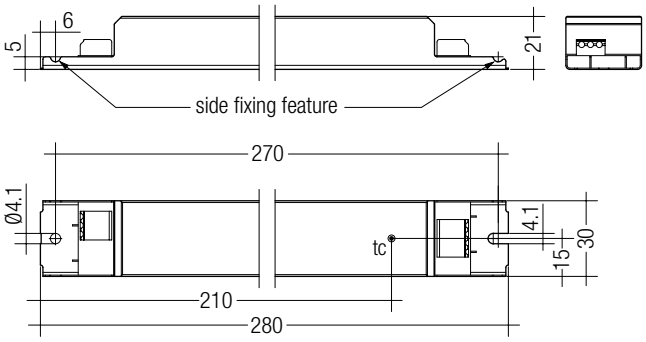
NEW

TALEXconverter LCI 35W 150mA–400mA TOP lp

TOP series



Preliminary data; available in Q2/2014



Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- Output current settable 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 proof
- Overload protection
- Suitable for emergency lighting units 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 (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)	< 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)	300 V
Time to light	< 0.5 s
Hold on time at power failure or switch-off	< 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).	tbd

Product matrix, page 15

For standards see data sheet

Specific technical data

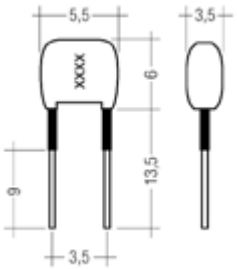
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point	Ambient temperature ta	tc/ta for ≥ 50.000 h	I-select resistor value
LCI 35W 150mA–400mA TOP lp	150 mA	105.0 V	233.3 V	35 W	37.8 W	175 mA	0.94	tbd	tbd	tbd	open
LCI 35W 150mA–400mA TOP lp	175 mA	90.0 V	200.0 V	35 W	37.9 W	175 mA	0.94	tbd	tbd	tbd	63.40 kΩ
LCI 35W 150mA–400mA TOP lp	200 mA	78.8 V	175.0 V	35 W	38.0 W	176 mA	0.94	tbd	tbd	tbd	54.90 kΩ
LCI 35W 150mA–400mA TOP lp	225 mA	70.0 V	155.6 V	35 W	38.2 W	177 mA	0.94	tbd	tbd	tbd	47.50 kΩ
LCI 35W 150mA–400mA TOP lp	250 mA	63.0 V	140.0 V	35 W	38.3 W	177 mA	0.94	tbd	tbd	tbd	40.20 kΩ
LCI 35W 150mA–400mA TOP lp	275 mA	57.3 V	127.3 V	35 W	38.5 W	178 mA	0.94	tbd	tbd	tbd	34.00 kΩ
LCI 35W 150mA–400mA TOP lp	300 mA	52.2 V	116.7 V	35 W	38.8 W	179 mA	0.94	tbd	tbd	tbd	27.40 kΩ
LCI 35W 150mA–400mA TOP lp	325 mA	48.5 V	107.7 V	35 W	38.9 W	180 mA	0.94	tbd	tbd	tbd	22.00 kΩ
LCI 35W 150mA–400mA TOP lp	350 mA	45.0 V	100.0 V	35 W	39.2 W	181 mA	0.94	tbd	tbd	tbd	12.00 kΩ
LCI 35W 150mA–400mA TOP lp	375 mA	42.0 V	93.3 V	35 W	39.3 W	182 mA	0.94	tbd	tbd	tbd	6.19 kΩ
LCI 35W 150mA–400mA TOP lp	400 mA	39.4 V	87.5 V	35 W	39.7 W	184 mA	0.94	tbd	tbd	tbd	short circuit (0 kΩ)

ACCES-
SORIES

I-SELECT PLUG

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	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 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

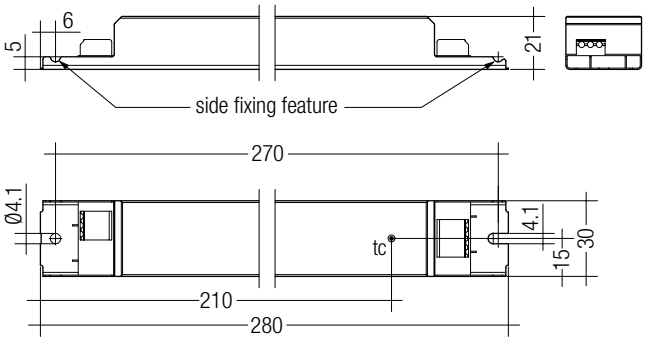
NEW

TALEXconverter LCI 65W 150mA–400mA TOP lp

TOP series



Preliminary data; available in Q2/2014



Product description

- Fixed output built-in LED control gear
- Constant current LED control gear
- Output current settable 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 proof
- Overload protection
- Suitable for emergency lighting units 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 (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)	< 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)	300 V
Time to light	< 0.5 s
Hold on time at power failure or switch-off	< 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).	tbd

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

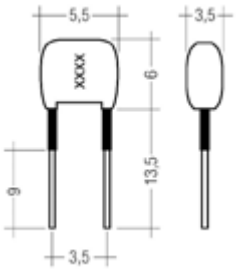
Type	Output current	Min. output voltage	Max. output voltage	Max. output power	Input power (at 230 V, 50 Hz, full load)	Input current (at 230 V, 50 Hz, full load)	λ (at 230 V, 50 Hz, full load)	tc point	Ambient temperature ta	tc/ta for ≥ 50.000 h	I-select resistor value
LCI 65W 150mA–400mA TOP lp	150 mA	193 V	250 V	37.5 W	40.3 W	188 mA	0.93	tbd	tbd	tbd	open
LCI 65W 150mA–400mA TOP lp	175 mA	165 V	250 V	43.7 W	47.0 W	217 mA	0.94	tbd	tbd	tbd	63.40 kΩ
LCI 65W 150mA–400mA TOP lp	200 mA	145 V	250 V	50.0 W	53.8 W	246 mA	0.95	tbd	tbd	tbd	54.90 kΩ
LCI 65W 150mA–400mA TOP lp	225 mA	129 V	250 V	56.3 W	60.5 W	274 mA	0.96	tbd	tbd	tbd	47.50 kΩ
LCI 65W 150mA–400mA TOP lp	250 mA	116 V	250 V	62.5 W	67.2 W	304 mA	0.96	tbd	tbd	tbd	40.20 kΩ
LCI 65W 150mA–400mA TOP lp	275 mA	105 V	236 V	65.0 W	69.9 W	313 mA	0.97	tbd	tbd	tbd	34.00 kΩ
LCI 65W 150mA–400mA TOP lp	300 mA	97 V	217 V	65.0 W	70.0 W	314 mA	0.97	tbd	tbd	tbd	27.40 kΩ
LCI 65W 150mA–400mA TOP lp	325 mA	90 V	200 V	65.0 W	70.0 W	314 mA	0.97	tbd	tbd	tbd	22.00 kΩ
LCI 65W 150mA–400mA TOP lp	350 mA	83 V	186 V	65.0 W	70.1 W	314 mA	0.97	tbd	tbd	tbd	12.00 kΩ
LCI 65W 150mA–400mA TOP lp	375 mA	77 V	173 V	65.0 W	70.2 W	315 mA	0.97	tbd	tbd	tbd	6.19 kΩ
LCI 65W 150mA–400mA TOP lp	400 mA	72 V	163 V	65.0 W	70.5 W	316 mA	0.97	tbd	tbd	tbd	short circuit (0 kΩ)

ACCES-SORIES

I-SELECT PLUG

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	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 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

NEW

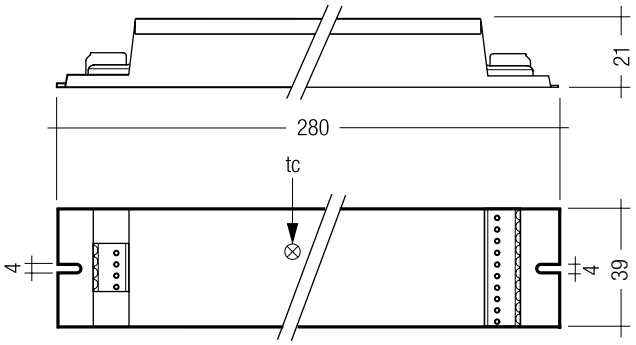
TALEXconverter LCI 4x16W 200mA–400mA lp

TOP series

Product description

- Built-in control gear for LED
- Constant current LED control gear with 200 – 400 mA output current
- 1- to 4-channel operation
- Max. output power 67.2 W
- SELV
- 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





Properties

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

Functions

- Overload protection
- Short-circuit proof
- Suitable for emergency lighting units 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
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)	0.35 A
Mains current (at 220 V, 0 Hz, full load)	0.35 A
Max. input power	75.8 W
Typ. efficiency (at 230 V, 50 Hz, full load)	> 85 %
Typ. λ (at 230 V, 50 Hz, full load)	0.95
Time to light	0.5 s
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature tc	85 °C
Dimensions L x W x H	280 x 39 x 21 mm
Hole spacing D	270 mm

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCI 4x16W 200mA–400mA lp	**28000245**	10 pc(s).	540 pc(s).	0.24 kg

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Output current range	Output current tolerance	Output voltage range		Max. output voltage ①	Typ. output power range
			I ≤ 350 mA	I > 350 mA		
LCI 4x16W 200mA–400mA lp	200 – 400 mA	± 7.5 %	22 – 48 V	22 – 42 V	53 V	17.6 – 67.2 W

① In non-load operation.

IP20 SELV RoHS

NEW

TALEXconverter LCI 10W 350mA TEC lp

TEC series

Product description

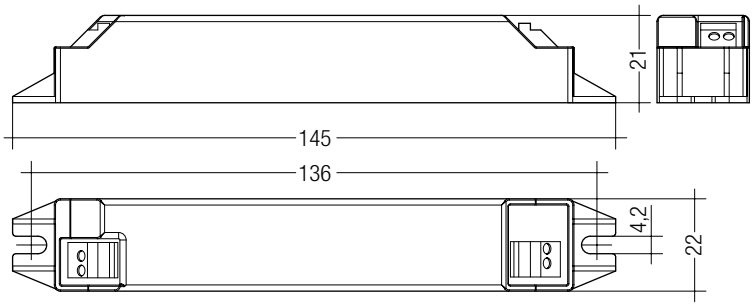
- Nominal life time up to 50,000 h
- 350 mA output current
- Push-in terminals
- Output power 10 W
- SELV
- Isolated
- Type of protection IP20

Properties

- Casing: polycarbonate, white
- Low profile plastic casing with slim dimension
- 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)	0.07 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 ... +85 °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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②
LCI 10W 350mA TEC lp	0.75C	83 %	0.7C	79 %	350 mA	13 – 29 V	33 V

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV

NEW

TALEXconverter LCI 20W 350/500/700mA TEC lp

TEC series

Product description

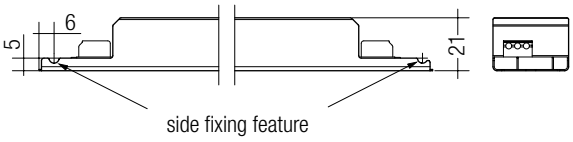
- Nominal life time up to 50,000 h
- 350, 500 or 700 mA output current
- Push terminal for rapid automatic or manual wiring
- Output power 20 W
- SELV
- Isolated
- Type of protection IP20

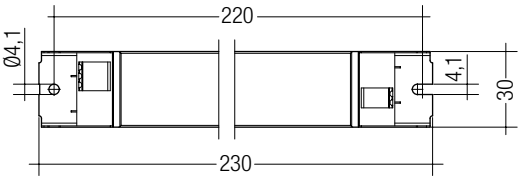
Properties

- Low profile metal casing with white cover
- 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 ... +85 °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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Typical ripple current at full load
LCI 20W 350mA TEC lp	0.97	88 %	0.89C	84 %	350 mA	26 – 57 V	66 V	± 25 %
LCI 20W 500mA TEC lp	0.97	88 %	0.87C	83 %	500 mA	18 – 40 V	48 V	± 25 %
LCI 20W 700mA TEC lp	0.97	86 %	0.86C	81 %	700 mA	13 – 29 V	35 V	± 30 %

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

NEW

TALEXconverter LCI 35W 350/500/700/1050mA TEC lp

TEC series

Product description

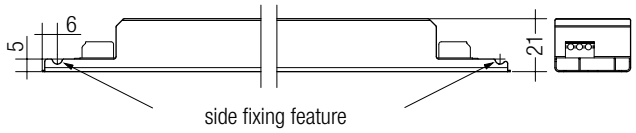
- Nominal life time up to 50,000 h
- 350, 500, 700 or 1,050 mA output current
- Push terminal for rapid automatic or manual wiring
- Output power 35 W
- SELV
- Isolated
- Type of protection IP20

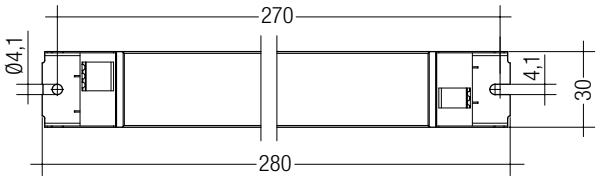
Properties

- Low profile metal casing with white cover
- 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)	0.17 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 ... +85 °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

→

Product matrix, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Typical ripple current at full load
LCI 35W 350mA TEC lp	0.98	90.0 %	0.91C	88.5 %	350 mA	50.0 – 100.0 V	115 V	± 20 %
LCI 35W 500mA TEC lp	0.98	90.0 %	0.91C	87.5 %	500 mA	35.0 – 70.0 V	85 V	± 25 %
LCI 35W 700mA TEC lp	0.98	88.5 %	0.92C	86.0 %	700 mA	25.0 – 50.0 V	63 V	± 25 %
LCI 35W 1050mA TEC lp	0.98	87.5 %	0.92C	84.5 %	1,050 mA	16.5 – 33.5 V	44 V	± 30 %

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV

NEW

TALEXconverter LCI 60W 700/1050mA TEC lp

TEC series

Product description

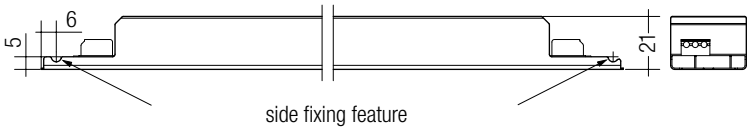
- Nominal life time up to 50,000 h
- 700 or 1,050 mA output current
- Push terminal for rapid automatic or manual wiring
- Output power 60 W
- SELV
- Isolated
- Type of protection IP20

Properties

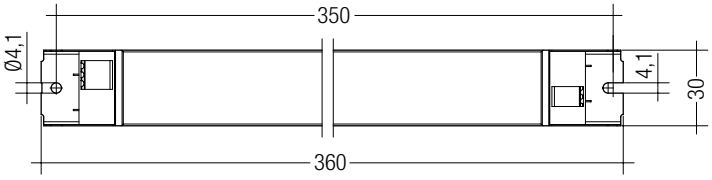
- Low profile metal casing with white cover
- Overtemperature protection
- Overload protection
- Short-circuit protection
- No-load protection

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





side fixing feature



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 ... +85 °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

→

Product matrix, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②	Max. casing temperature tc
LCI 60W 700mA TEC lp	0.98	91.5 %	0.93C	90 %	700 mA	46.5 – 85.5 V	98 V	70 °C
LCI 60W 1050mA TEC lp	0.98	90.5 %	0.93C	89 %	1,050 mA	31.0 – 57.0 V	62 V	75 °C

① Test result at 230 V, 50 Hz.
② At failure mode.

IP20 SELV RoHS

NEW

TALEXconverter LCI 65W 1400/1750mA TEC lp

TEC series

Product description

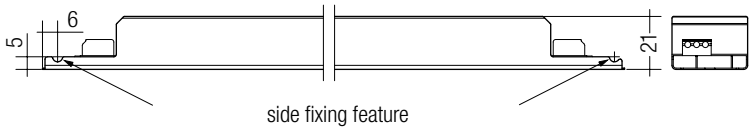
- Nominal life time up to 50,000 h
- 1,400 or 1,750 mA output current
- Push terminal for rapid automatic or manual wiring
- Output power 65 W
- SELV
- Isolated
- Type of protection IP20

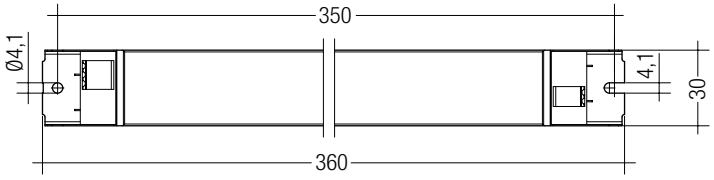
Properties

- Low profile metal casing with white cover
- 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)	0.32 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 ... +85 °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

→ **Product matrix**, page 15

For standards see data sheet

Specific technical data

Type	Power factor at full load ①	Efficiency at full load ①	Power factor at min. load ①	Efficiency at min. load ①	Output current	Output voltage range ①	Max. output voltage ②
LCI 65W 1400mA TEC lp	0.98	90.0 %	0.93C	87 %	1,400 mA	23.0 – 46.5 V	55 V
LCI 65W 1750mA TEC lp	0.98	89.5 %	0.93C	86 %	1,750 mA	18.5 – 37.0 V	43 V

① Test result at 230 V, 50 Hz.
② At failure mode.

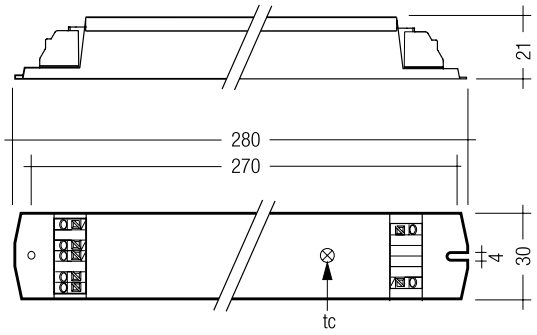
IP20 SELV RoHS

NEW

TALEXconverter LCAI 20W 150mA–400mA ECO lp

ECO series





Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

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

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Product matrix, page 15

For standards see data sheet

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. output current peak	≤ output current + 20 %
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
LCAI 20W 150mA–400mA ECO lp	**28000132**	1 pc(s).	1 pc(s).

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)

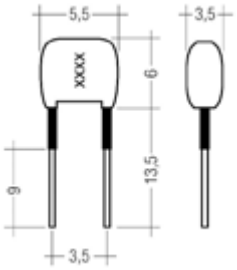
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 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 RoHS

NEW

TALEXconverter LCAI 35W 150mA–400mA ECO lp

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

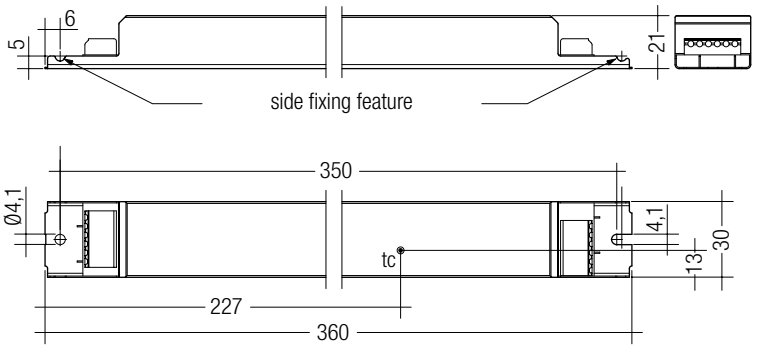
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

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
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	< 0.4 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. output current peak	≤ 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).	0.264 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)

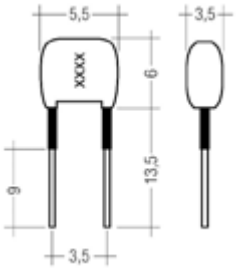
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 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

NEW

TALEXconverter LCAI 35W 900mA–1750mA ECO lp

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

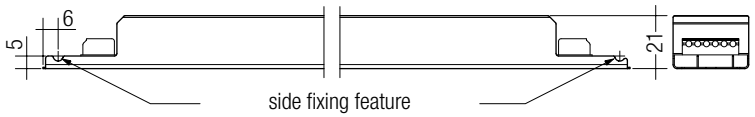
→ For product data sheet go to www.tridonic.com, or available on request

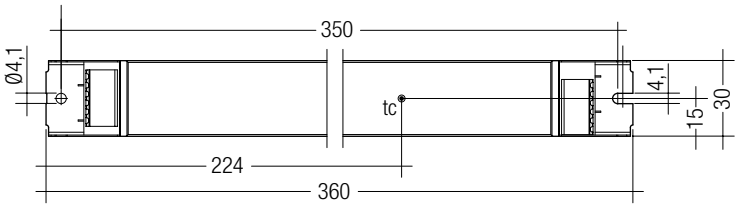
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Product matrix, page 15

For standards see data sheet







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	< 0.2 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. output current peak	≤ 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).	0.261 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)

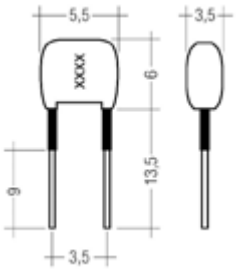
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 kΩ	10 pc(s).	0.001 kg

IP20 RoHS

NEW

TALEXconverter LCAI 65W 150mA–400mA ECO lp

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

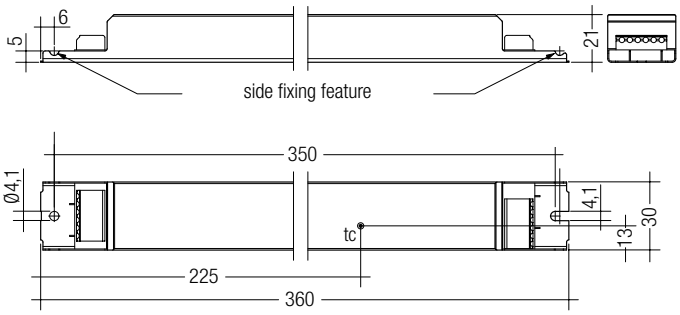
→ For product data sheet go to www.tridonic.com, or available on request

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Product matrix, page 15

For standards see data sheet





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. output current peak	≤ 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	80 °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	80 °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	85 °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 ... +60 °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 ... +60 °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 ... +60 °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 ... +60 °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)

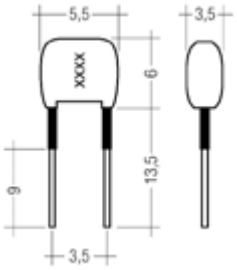
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ ± 20 %.
⑥ At full load.

ACCES-SORIES

I-SELECT PLUG

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	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 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

NEW

TALEXconverter LCAI 65W 900mA–1750mA ECO lp

ECO series

Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- 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 units acc. to EN 50172

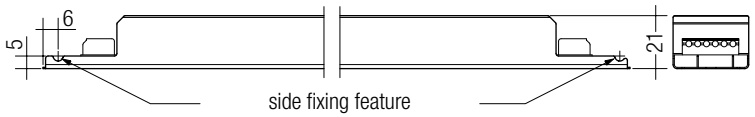
→ For product data sheet go to www.tridonic.com, or available on request

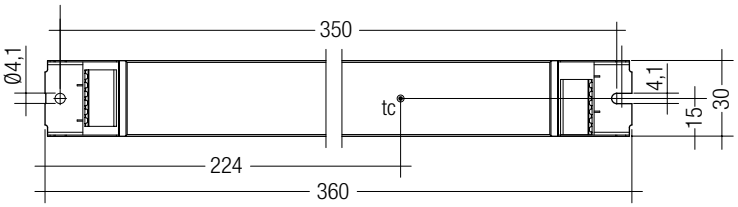
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Product matrix, page 15

For standards see data sheet







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	< 0.3 s
Time to light (DC mode)	< 0.3 s
Switchover time (AC/DC)	< 0.3 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. output current peak	≤ 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).	0.27 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)

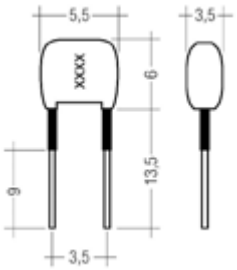
① Valid at 100 % dimming level.
② Depending on the selected output current.
③ Depending on the DALI traffic at the interface.
④ At power failure.
⑤ At full load.

ACCES-SORIES

I-SELECT PLUG

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

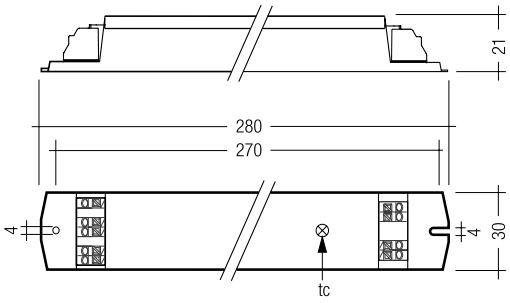
Type	Article number	Colour	Marking	Resistor value	Packaging, bag	Weight per pc.
I-SELECT PLUG MAX GR	**28000274**	Grey	MAX	0.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 950mA BR	**28000370**	Brown	0950	69.8 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1050mA BR	**28000279**	Brown	1050	56.0 kΩ	10 pc(s).	0.001 kg
I-SELECT PLUG 1400mA BR	**28000280**	Brown	1400	22.0 kΩ	10 pc(s).	0.001 kg

IP20 RoHS

TALEXconverter LCAI 80W 350mA one4all lp

ECO series





Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear with 350 mA output current
- Output power 80 W
- 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

Properties

- Low profile metal casing with white cover
- Type of protection IP20
- No dip-coated (article number 28000211)
- Dip-coated (article number 86459393)

Interfaces

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

Functions

- Overload protection
- Overtemperature protection
- Short-circuit proof
- Dimming in DC adjustable
- Suitable for emergency lighting units acc. to EN 50172

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

→

Product matrix, page 15

For standards see data sheet

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated supply voltage DC	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ①	380 mA
Rated current (at 230 V, 50 Hz, full load) ②	100 mA
Leakage current (PE)	0.4 mA
Max. input power	92 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	92 %
Typ. λ (at 230 V, 50 Hz, full load) ①	0.95
Typ. power input on stand-by	< 1 W
Dimming range	3 – 100 %
PWM frequency	400 Hz
Switch-on time (DC mode)	0.4 s
Switch-on time (at 230 V, 50 Hz, acc. to DALI) ①	0.6 s
Switchover time (AC/DC)	0.2 s
Turn off time (at 230 V, 50 Hz, full load)	0.1 s
Hold on time at power failure (output) ③	4 ms
Ambient temperature ta	-20 ... +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.
LCAI 080/0350 I010 one4all 220-240V	**28000211**	10 pc(s).	960 pc(s).	0.218 kg

Specific technical data

Type	Output current ①	Output current tolerance ①	Output voltage range	Max. output voltage ④	Typ. output power
LCAI 080/0350 I010 one4all 220-240V	350 mA	± 5 %	116 – 230 V	420 V	80 W

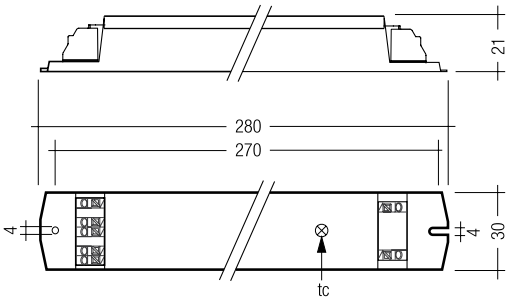
① Valid at 100 % dimming level.
② Valid at 15 % dimming level.
③ At power failure.
④ In non-load operation.

IP20 RoHS

TALEXconverter LCAI 80W 700mA one4all lp

ECO series





Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear with 700 mA output current
- Output power 80 W
- Nominal life time up to 50,000 h (at ta 45 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee

Properties

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

Interfaces

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

Functions

- Overload protection
- Overtemperature protection
- Short-circuit proof
- Dimming in DC adjustable
- Suitable for emergency lighting units acc. to EN 50172

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

→ **Product matrix**, page 15

For standards see data sheet

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Rated supply voltage DC	170 – 280 V
Mains frequency	0 / 50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ①	410 mA
Rated current (at 230 V, 50 Hz, full load) ②	100 mA
Leakage current (PE)	0.4 mA
Max. input power	92 W
Typ. efficiency (at 230 V, 50 Hz, full load) ①	92 %
Typ. λ (at 230 V, 50 Hz, full load) ①	0.95
Typ. power input on stand-by	< 1 W
Dimming range	3 – 100 %
PWM frequency	400 Hz
Switch-on time (DC mode)	0.4 s
Switch-on time (at 230 V, 50 Hz, acc. to DALI) ①	0.6 s
Switchover time (AC/DC)	0.2 s
Turn off time (at 230 V, 50 Hz, full load)	0.1 s
Hold on time at power failure (output) ③	4 ms
Ambient temperature ta	-20 ... +45 °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.
LCAI 080/0700 I010 one4all 220-240V	**28000212**	10 pc(s).	960 pc(s).	0.22 kg

Specific technical data

Type	Output current ①	Output current tolerance ①	Output voltage range	Max. output voltage ④	Typ. output power
LCAI 080/0700 I010 one4all 220-240V	700 mA	± 5 %	50 – 120 V	420 V	80 W

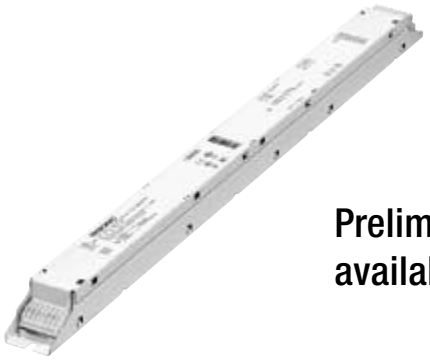
① Valid at 100 % dimming level.
② Valid at 15 % dimming level.
③ At power failure.
④ In non-load operation.

IP20

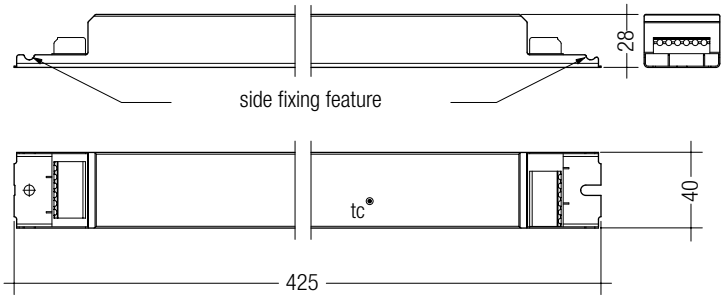
NEW

TALEXconverter LCAI 65W 150mA–400mA ECO INDUSTRY

ECO series



Preliminary data; available in Q3/2014



Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- Output current adjustable between 150 – 400 mA
- Max. output power 65 W
- Nominal life time up to 100,000 h
- 8-year guarantee
- Dimming range 1 to 100 %

Properties

- Optimised for heavy-duty applications
- Extended temperature range -40 ... +70 °C
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- 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 units acc. to EN 50172

Ordering data

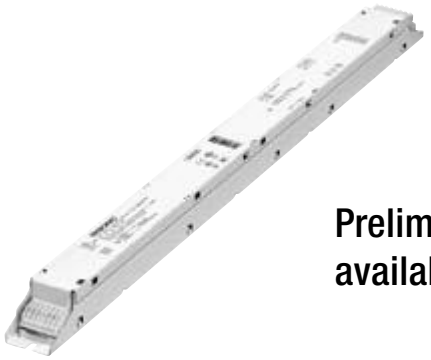
Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 65W 150mA–400mA ECO INDUSTRY	**28000348**	tbd	tbd	tbd

IP20

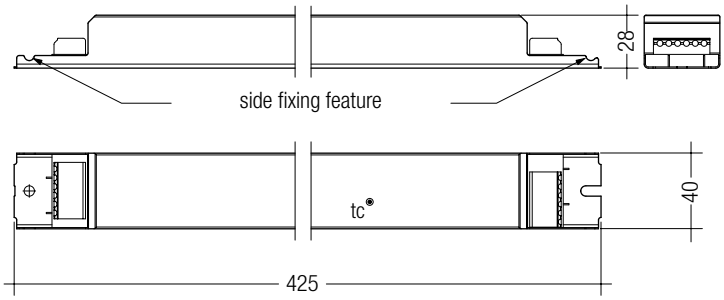
NEW

TALEXconverter LCAI 100W 350mA–900mA ECO INDUSTRY

ECO series



Preliminary data; available in Q3/2014



Product description

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

Properties

- Optimised for heavy-duty applications
- Extended temperature range -40 ... +70 °C
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- 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 units acc. to EN 50172

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 100W 350mA–900mA ECO INDUSTRY	**28000349**	tbd	tbd	tbd

IP20 RoHS

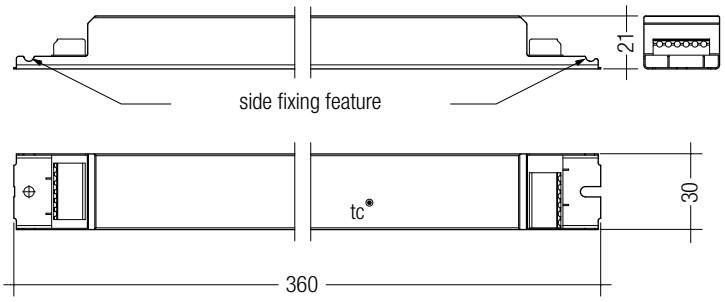
NEW

TALEXconverter LCAI 2x16W 150mA–400mA ECO lp

ECO series



Preliminary data; available in Q3/2014



Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- Output current adjustable between 150 – 400 mA
- 1- to 2-channel operation
- 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 units acc. to EN 50172

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 2x16W 150mA–400mA ECO lp	**28000136**	tbd	tbd	tbd

IP20

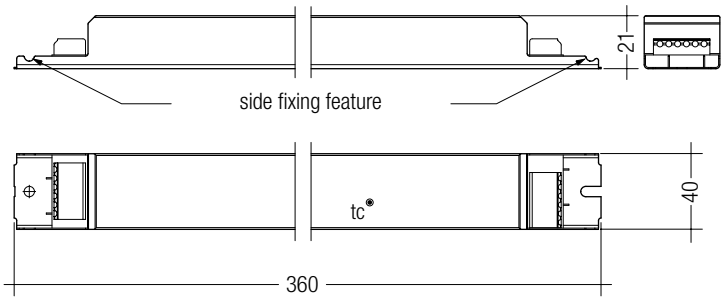
NEW

TALEXconverter LCAI 4x16W 150mA–400mA ECO lp

ECO series



Preliminary data; available in Q3/2014



Product description

- Dimmable built-in control gear for LED
- Constant current LED control gear
- Output current adjustable between 150 – 400 mA
- 1- to 4-channel operation
- 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 units acc. to EN 50172

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAI 4x16W 150mA–400mA ECO lp	**28000135**	tbd	tbd	tbd

IP67 **SELV Class 2**

TALEXconverter LCU 15W 12V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED control gear
- 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 max. 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

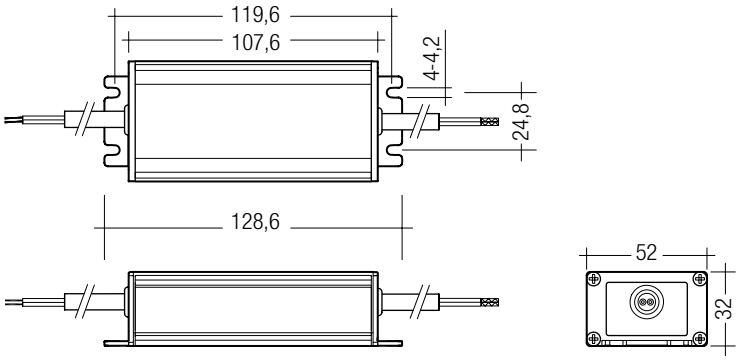
- High efficiency
- Low power loss
- Overtemperature protection
- Overload protection by restricting output
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67

→ 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 RoHS

TALEXconverter LCU 35W 12V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED control gear
- 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 max. 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

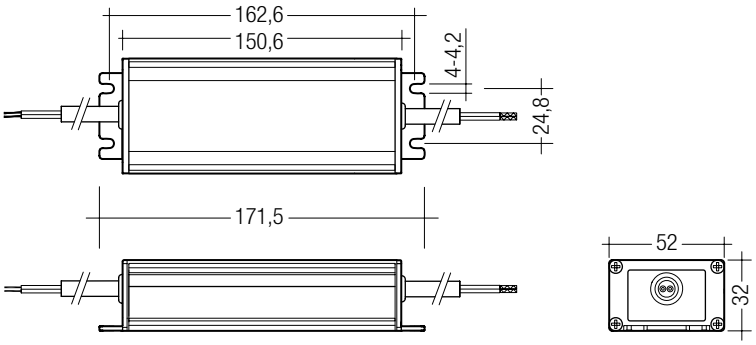
- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67

→ 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)	0.2 A
Mains frequency	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**

TALEXconverter LCU 60W 12/24V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED control gear
- 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 max. 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

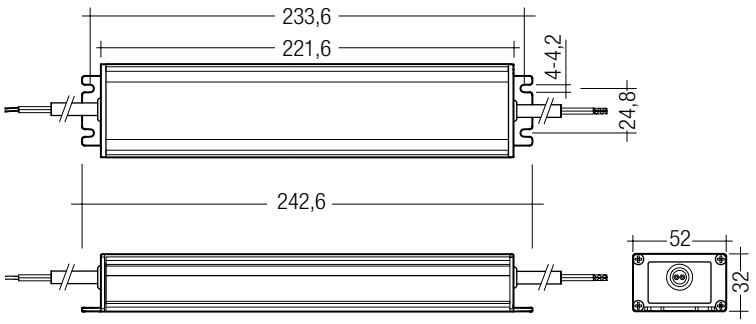
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67

→ 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 RoHS

TALEXconverter LCU 100W 12/24V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED control gear
- 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 max. 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

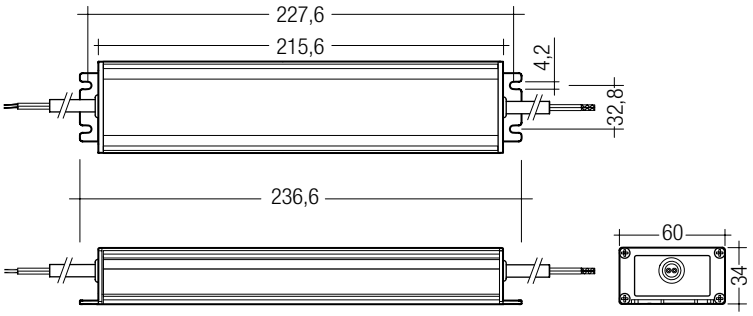
- High efficiency
- Low power loss
- Overtemperature protection with automatic restart
- Overload protection
- Short-circuit protection with automatic restart
- SELV
- Type of protection IP67

→ 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).	144 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	0.80 – 8 A	13.2 V
LCU 100/24 D010	65 °C	24 V	118 W	0.40 – 4 A	26.4 V

① At failure mode (230 V, 50 Hz).

IP67 SELV RoHS

TALEXconverter LCU 150W 12/24V outdoor IP67

LCU outdoor IP67

Product description

- Constant voltage LED control gear
- 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 max. 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

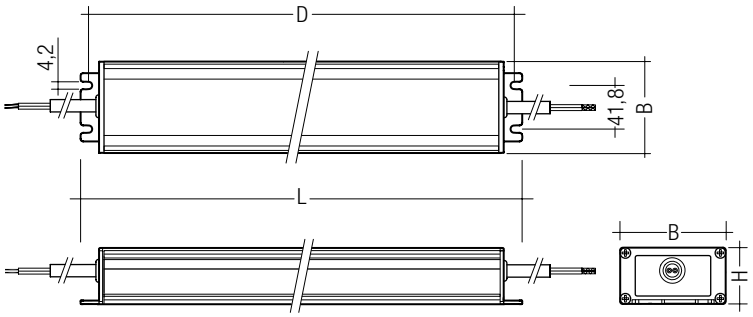
Properties

- High efficiency
- Low power loss
- Overtemperature and overload protection
- Short-circuit shutdown feature with automatic restart
- SELV
- Type of protection IP67

→ 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

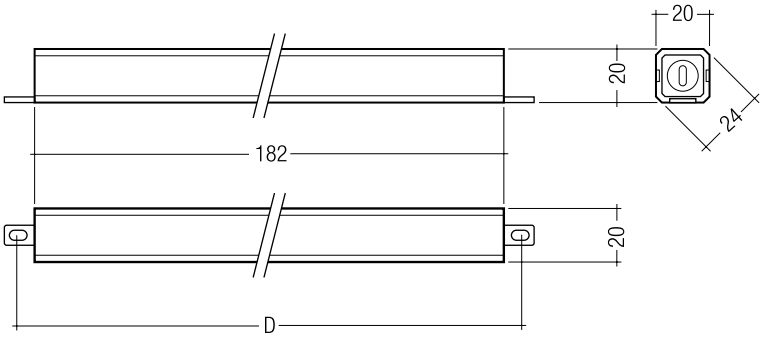
① At failure mode (230 V, 50 Hz).

IP 65 SELV RoHS

TALEXconverter LED 0010 K301 12/24V

LCU outdoor IP65





Product description

- Constant voltage LED control gear
- 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 ①	200 – 240 (160) V
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

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

IP20 SELV RoHS

TALEXconverter 0010 K001 12/24V

LCU indoor IP20

Product description

- Constant voltage LED control gear
- Constant output voltage

Properties

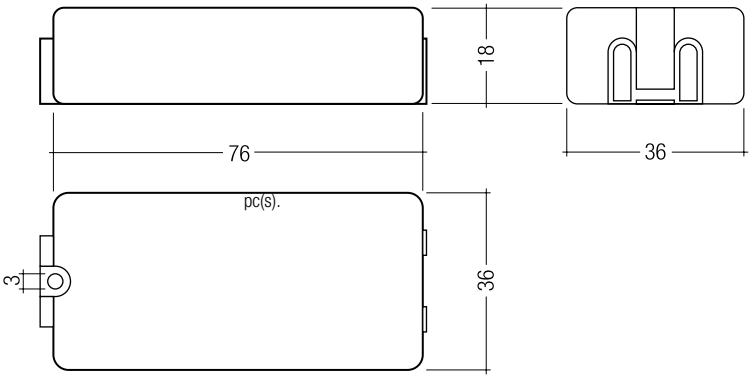
- Compact dimensions
- Overtemperature and overload protection with power regulation
- Short-circuit protection with automatic restart
- Type of protection IP20
- Casing: nylon natural white 66
- Connecting cable, supply side: H03VV-F, H05VV-F (length approx. 140 mm)
- Connection: cable with end sleeves (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





Ordering data

Type	Article number	Secondary voltage DC	Packaging, carton	Weight per pc.
0010 K001 12V	**86453116**	12 V	40 pc(s).	0.048 kg
0010 K001 24V	**86453122**	24 V	40 pc(s).	0.046 kg

→

For standards see data sheet

Specific technical data

Type	Output power	Rated current (at 230 V, 50 Hz)	Max. casing temperature tc
0010 K001 12V	1 – 10 W	93 mA	70 °C
0010 K001 24V	1 – 10 W	95 mA	65 °C

IP20 SELV RoHS

TALEXconverter 0025 K201 24V

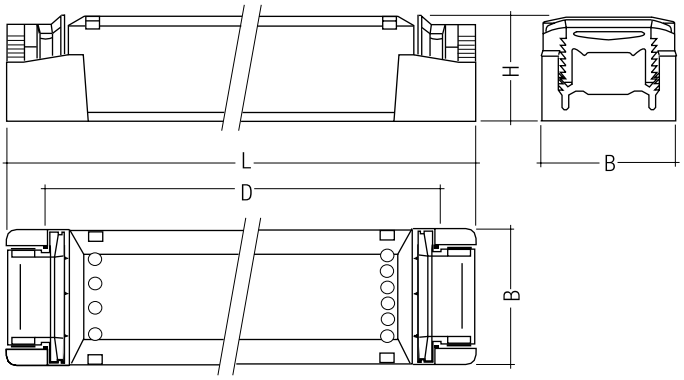
LCU indoor IP20

Product description

- Constant voltage LED control gear
- 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 24V	**86453418**	24 V	20 pc(s).	0.189 kg

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

IP20 SELV RoHS

TALEXconverter 0025 K210 24V one4all

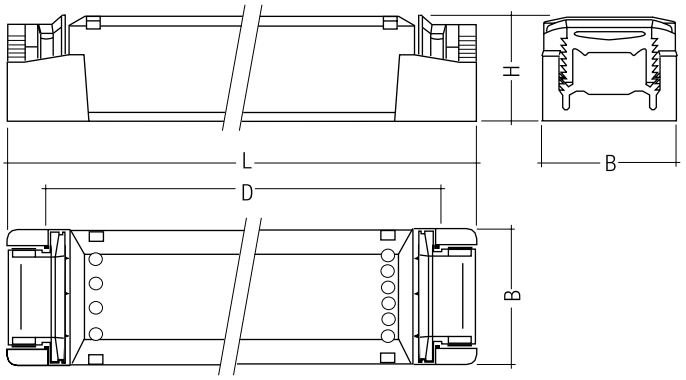
LCU indoor IP20

Product description

- 1-channel one4all LED control gear
- For 24 V LED modules
- Dimming range 0.1 to 100 %
- switchDIM (with memory function)
- 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 24V	**86455937**	24 V	20 pc(s).	0.155 kg

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

IP20 SELV RoHS

TALEXconverter 0025 K211 24V

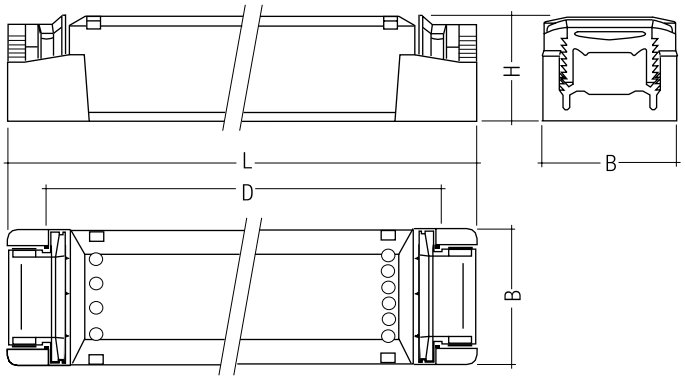
LCU indoor IP20

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 RGB
- 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 24V	**86455066**	24 V	20 pc(s).	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**

TALEXconverter LCU 35W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED control gear
- Universal input voltage range
- Constant output voltage
- Nominal life time up to 50,000 h (at ta 40 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED control gear: suitable for emergency installations according to EN 50172
- Complies with class C from minimum to maximum load range according to EN 61000-3-2

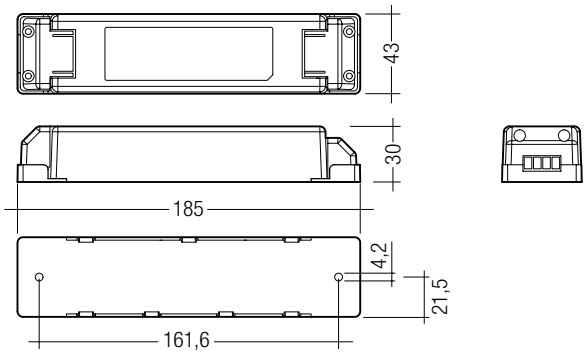
Properties

- 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 control gear.
② At failure mode (230 V, 50 Hz).

IP20 SELV Class 2

TALEXconverter LCU 60W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED control gear
- Universal input voltage range
- Constant output voltage
- Nominal life time up to 50,000 h (at ta 40 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED control gear: suitable for emergency installations according to EN 50172
- Complies with class C from minimum to maximum load range according to EN 61000-3-2

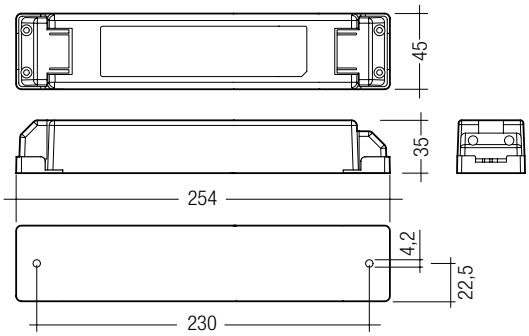
Properties

- 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 control gear.
② At failure mode (230 V, 50 Hz).

IP20 SELV RoHS

TALEXconverter LCU 100W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED control gear
- Universal input voltage range
- Constant output voltage
- Nominal life time up to 50,000 h (at ta 40 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED control gear: suitable for emergency installations according to EN 50172
- Complies with class C from minimum to maximum load range according to EN 61000-3-2

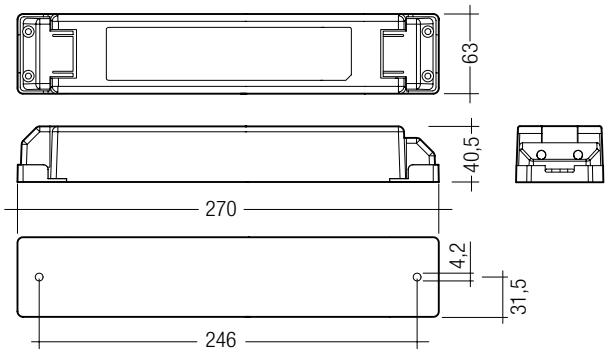
Properties

- 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 control gear.
② At failure mode (230 V, 50 Hz).

IP20 SELV

TALEXconverter LCU 150W 12/24V indoor IP20

LCU indoor IP20

Product description

- Constant voltage LED control gear
- Universal input voltage range
- Constant output voltage
- Nominal life time up to 50,000 h (at ta 40 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee
- 24 V LED control gear: suitable for emergency installations according to EN 50172
- Complies with class C from minimum to maximum load range according to EN 61000-3-2

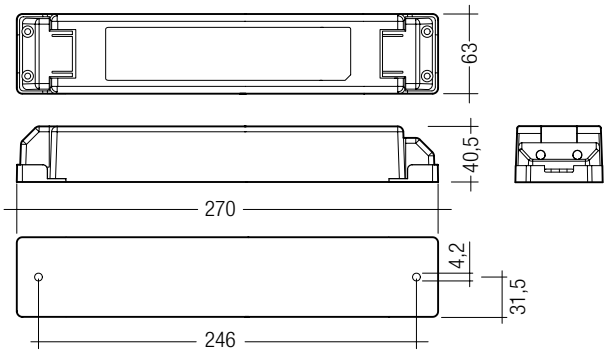
Properties

- 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

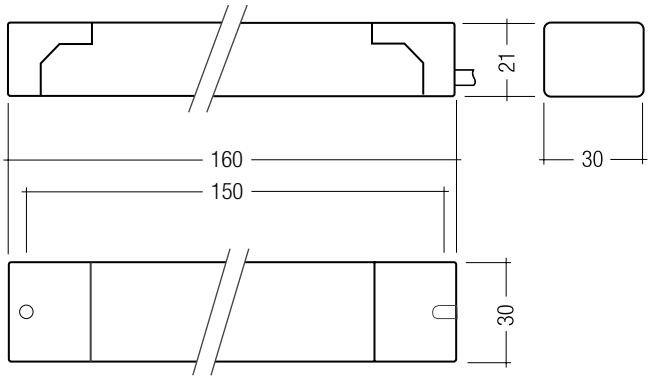
Type	Max. casing temperature tc	Output voltage	Max. input power	Output current range	Max. output voltage ②
LCU 150/12 E020	80 °C	12 V	176 W	1.25 – 12.50 A	13.2 V
LCU 150/24 E020	90 °C	24 V	174 W	0.62 – 6.25 A	26.4 V

① DC operation only with 24 V LED control gear.
② At failure mode (230 V, 50 Hz).

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, TALEXconverter 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 control gear – 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 supply unit, e.g. TALEXconverter K211.
② Depends on supply voltage U_{in} and number of TALEX modules (U_{LED} max. = U_{in} – 5 V).

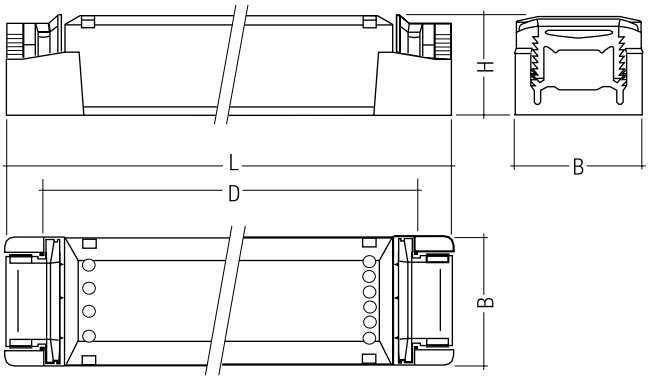
RoHS

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 (DC)	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 supply unit, e.g. TALEXconverter 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.

TALEXcontrol C002

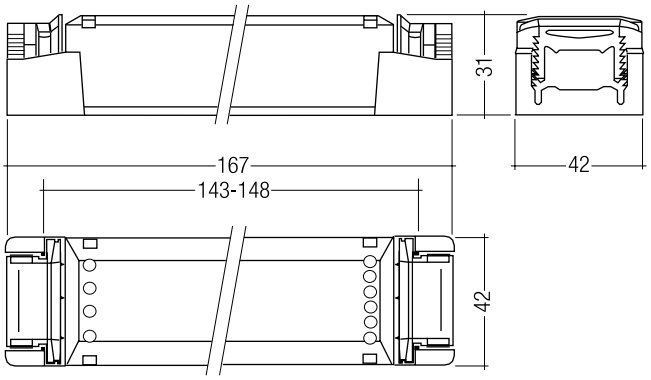
Dimmable

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 (DC)	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

→

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

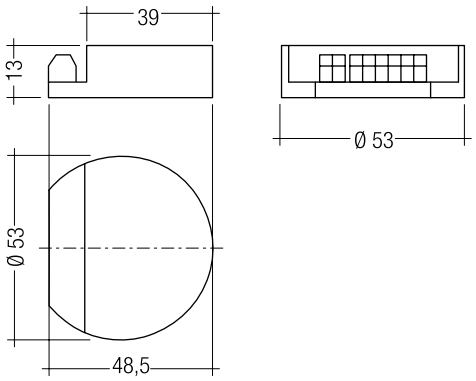
Dimmable

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

→

For standards see data sheet

Ordering data

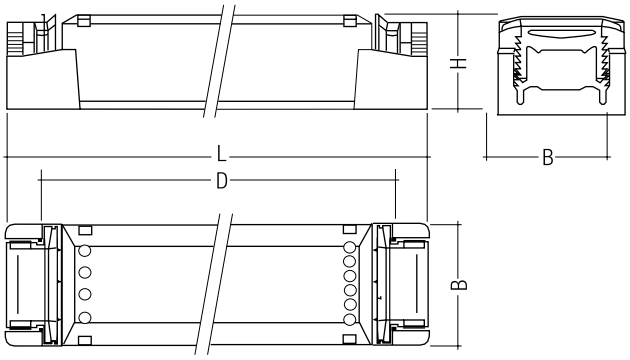
Type	Article number	Packaging, carton	Weight per pc.
C003 DALI RGB Controller	**86457912**	80 pc(s).	0.02 kg

① SELV to be provided by the supply unit, e.g. TALEXconverter 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, TALEXconverter 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
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 supply unit, e.g. TALEXconverter LCU 100 W.

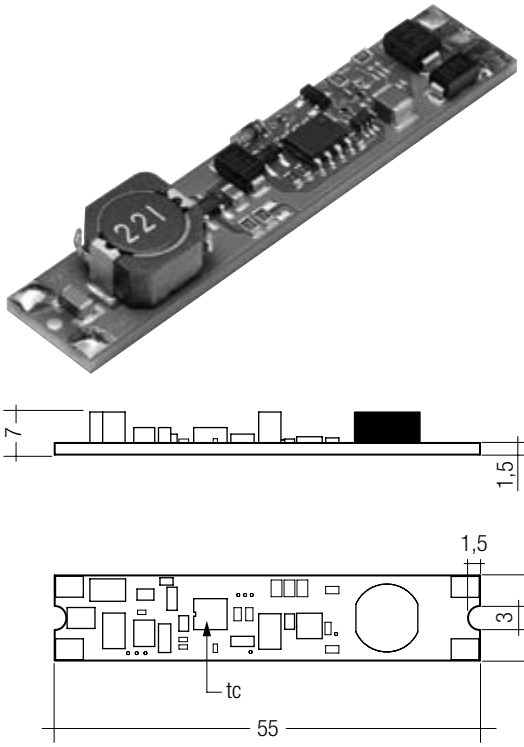
TALEXcontrol C350 12–48VDC 16VA dim

Dimmable

Product description

- Constant current converter 350 mA for TALEXmodule EOS
- Dimming range 10 to 100 %
- Dimmable via momentary-action switch or potentiometer (designed for a 100 kΩ potentiometer) ④
- 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, DC ①	8 – 48 V
Efficiency ① ②	> 85 %
Output voltage (U_{in} < 30 V) ③	2.5 V until (U_{in} – 3 V)
Output voltage (U_{in} ≥ 30 V) ③	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
Dimensions L x W x H	55 x 11 x 7 mm

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
LED C350 12–48VDC 16VA dim	**86458944**	50 pc(s).	0.004 kg

① Output voltage depends on supply voltage and the number of conected TALEX(modules (U_{in} – 3 V).
② Efficiency depends on the load of the TALEXcontrol C350. Efficiency possible up to 95 %.
③ For more than 24 V a heat sink is required (e. g. Z201-2).
④ In momentary-action switch operation only one TALEXcontrol C350 per momentary-action switch is permitted.

→

For standards see data sheet

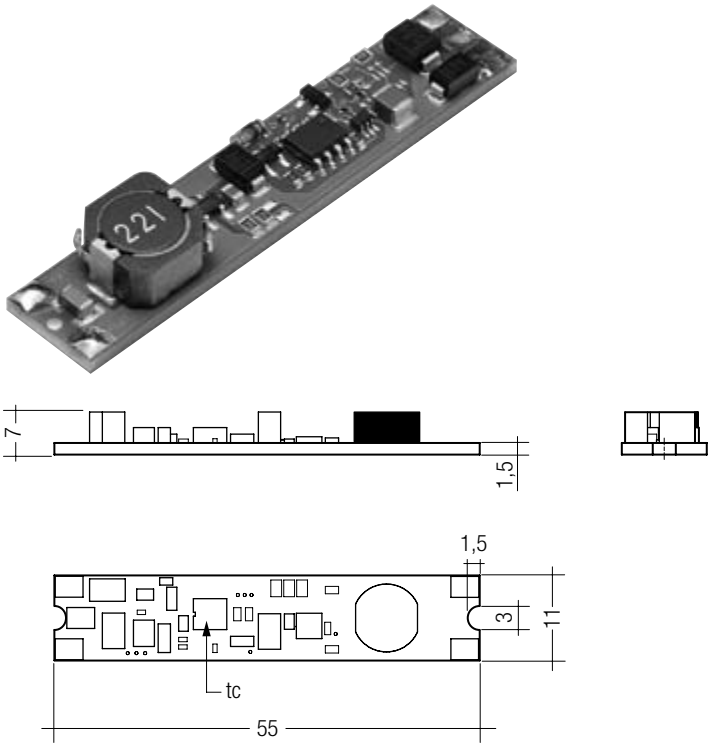
TALEXcontrol C700 12–48VDC 32VA dim

Dimmable

Product description

- Constant current converter 700 mA for TALEXmodule EOS
- Dimming range 10 to 100 %
- Dimmable via momentary-action switch or potentiometer (designed for a 100 kΩ potentiometer) ④
- 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, DC ①	8 – 48 V
Efficiency ① ②	> 85 %
Output voltage (U_{in} < 30 V) ③	2.5 V until (U_{in} – 3 V)
Output voltage (U_{in} ≥ 30 V) ③	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
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 Output voltage depends on supply voltage and the number of conected TALEX modules (U_{in} – 3 V).
② Efficiency depends on the load of the TALEXcontrol C700. Efficiency possible up to 95 %.
③ For more than 24 V a heat sink is required (e. g. Z201-2).
④ In momentary-action switch operation only one TALEXcontrol C700 per momentary-action switch is permitted.

CE RoHS

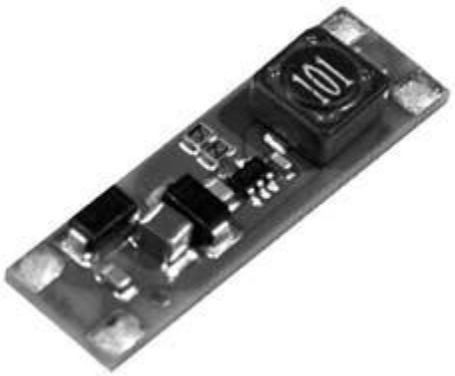
TALEXcontrol C350-2 12–24VDC / 350mA 8VA

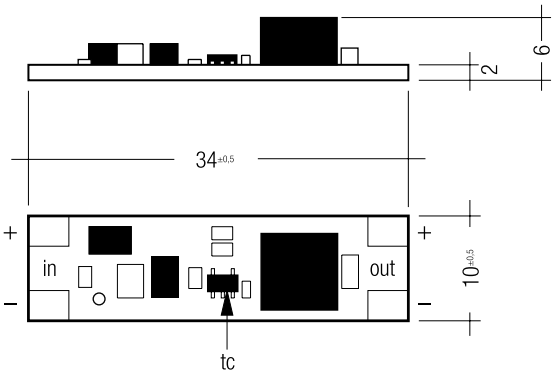
Fixed output

Product description

- Constant current converter 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 voltage ①	max. 22 V (U_{in} – 2 V)
Output power	8 W
Max. power loss	0.65 W
Output current	0.35 A
Max. cable length (LED control gear – LED module)	20 m
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature	80 °C
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	**86458453**	50 pc(s).	0.004 kg

① Output voltage depending on supply voltage and the number of connected TALEX modules (U_{in} – 2 V).

CE RoHS

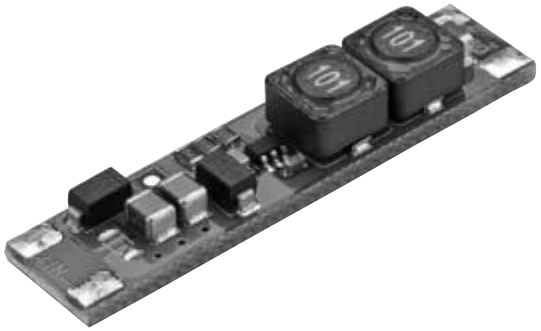
TALEXcontrol C700 12–24VDC / 700mA 16VA

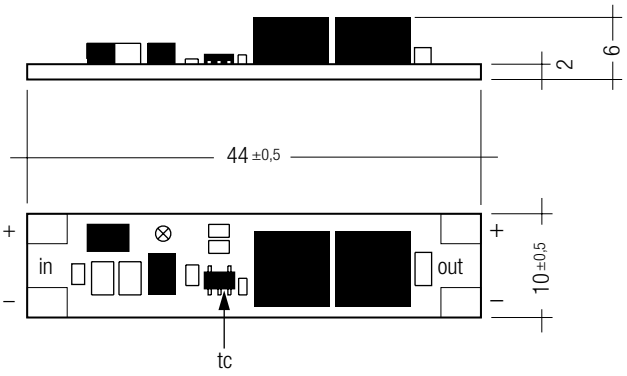
Fixed output

Product description

- Constant current converter 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 control gear – LED module)	20 m
Ambient temperature ta	-25 ... +50 °C
Max. casing temperature	80 °C
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	**86458513**	50 pc(s).	0.005 kg

① Output voltage depending on supply voltage and the number of connected TALEX modules (U_{in} – 2 V).

IP67 SELV RoHS

TALEXcontrol LNU M 12–24V IP67 G1

Signage

Product description

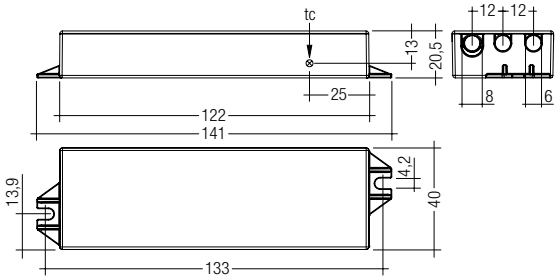
- Constant voltage 3-channel PWM dimmer with adjustable, fully automatic or manual dimming
- For 12 or 24 V DC LED modules
- Integrated light sensor (twilightCONTROL) dims LED systems automatically to minimum necessary LED power according to ambient light situation
- switchDIM (with memory function)
- Individual adjustment of LED brightness to meet statutory requirements
- 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 – 95 %
Dimming range switchDIM	0 / 0.1 – 100 %

Ordering data

Type	Article number	Packaging	Packaging, carton	Weight per pc.
LNU M 12–24V IP67 G1	**28000018**	1 pc(s).	10 pc(s).	0.355 kg

① At full load and 12 V: 3 x 5 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

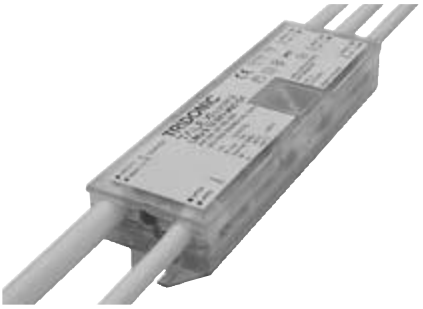
Product description

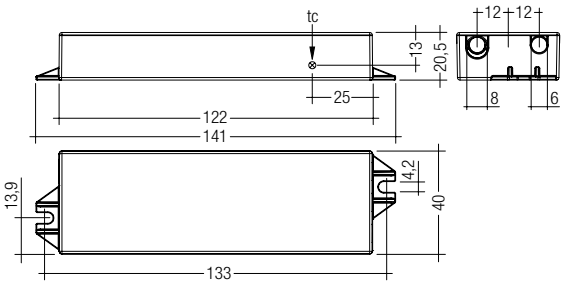
- Constant voltage 3-channel PWM dimmer extension device for TALEXcontrol LNU M PWM dimmer
- For 12 or 24 V DC LED modules
- Sync. electrically insulated from the supply voltage and output
- Protection class II
- Reverse polarity protection
- Short-circuit and overcurrent protection for output channels
- 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 – 95 %
Dimming range switchDIM ②	0 / 0.1 – 100 %

Ordering data

Type	Article number	Packaging	Packaging, carton	Weight per pc.
LNU S 12–24V IP67 G1	**28000050**	1 pc(s).	10 pc(s).	0.357 kg

① At full load and 12 V: 3 x 5 A load at the output.

② The extension devices will be controlled from master device LNU M via the synchronisation cable.

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

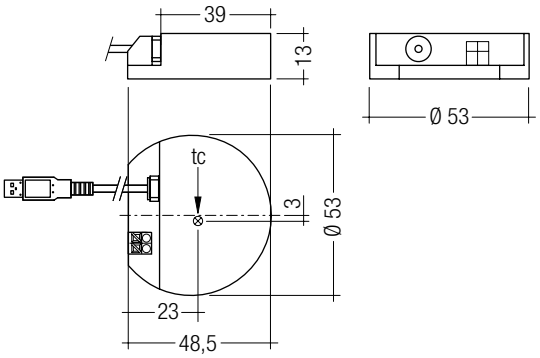
- Change in the ambient brightness response, free programming of dimming curve
- Individual dimming settings
- Readout of the device settings og LNU M
- Predefinition of switchDIM settings and the switchDIM memory level
- Update of firmware LNU M and LNU S
- Update to customer specific firmware

→ 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 pc(s).	10 pc(s).	0.042 kg

LED light Engine / OLED

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Product overview LED linear / area Page 166
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Setbuilder instruction
TRIDONIC Setbuilder Page 168

LED compakt
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STARK DLE PREMIUM system Page 169
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STARK SLE
STARK SLE GEN3 CLASSIC Page 173
STARK SLE GEN3 Mini CLASSIC Page 174
STARK SLE GEN3 CLASSIC EM Page 175
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LED linear / area

STARK LLE

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STARK LLE 24-280-650 CLASSIC Page 197
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STARK QLE

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STARK INDI

STARK INDI CLASSIC Page 211

OLED

LUREON REP

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LUREON REM

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Product overview LED compact



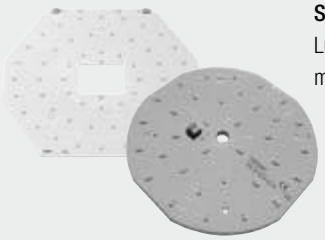
STARK DLE
Luminaire type: Downlights

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)



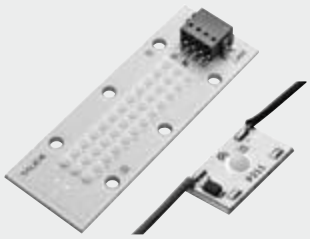
STARK CLE
Luminaire type: Recessed floor & wall-mounted luminaires

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 converter
- 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 INDI
Luminaire type: free-standing luminaires

Extremely slim LED module with uniform illumination
- Indirect/direct distribution of light 20/80 %
- Perfectly uniform light even if several LED modules are arranged one after the other
- Luminous flux range from 2,400 to 2,750 lm
- High colour rendering index CRI > 80
- Self-cooling (no additional heat sink required)

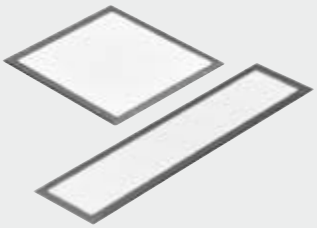
Product overview OLED



LUREON REP
Luminaire type: Wall luminaires, free-standing luminaires, widearea luminaires (in-built, remote, pendant), design luminaires

At a glance:
- Efficient OLED modules with up to 50 lm/W
- Excellent colour rendering (CRI > 80)
- Dimmable neutral white light in 4,000 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

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.



LUREON REM
Luminaire type: Wall luminaires, free-standing luminaires, widearea luminaires (in-built, remote, pendant), design luminaires

At a glance:
- Different lighting formats with a simple connection for flexible module arrangements
- Excellent colour rendering (CRI > 80)
- Dimmable warm white light in 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
- Small colour angle shift (x, y ≤ 0.005)
- Small colour tolerance (MacAdam 4)

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.

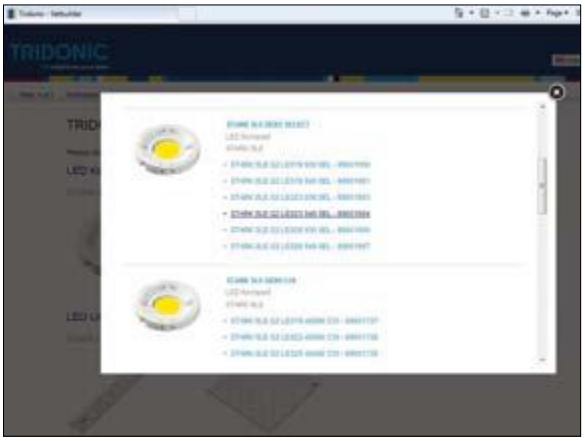
TRIDONIC Setbuilder

With three steps to the appropiate LED system

The Setbuilder service supports you to find suitable control gears 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

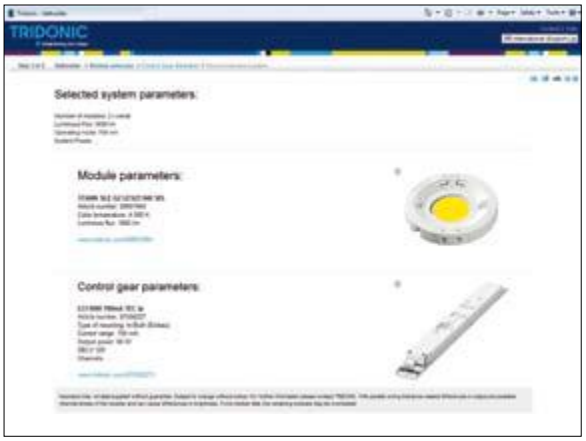


Follow the instructions for the appropriate system:

1 Select a module from the TRIDONIC LED portfolio.



2 Determine the requirements of the control gear. 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.

TALEXengine STARK DLE PREMIUM system
STARK DLE

Product description
- Tunable white 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, DALI or DSI

Necessary system components
- TALEXmodule STARK DLE PREMIUM
- TALEXconverter LCAU 2x20W one4all
- 5-year guarantee

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



TALEXengine STARK DLE PREMIUM system



TALEXmodule STARK DLE-PREMIUM



In-built LED control gear



Remote LED control gear

Ordering data

Type	Article number	System components
STARK DLE 800-927-965-PRE	**89601166**	Module with integrated controls
STARK DLE 1800-927-965-PRE	**89601165**	Module with integrated controls
LCAU 2x020/0048 L010 one4all	**86459414**	In-built LED control gear
LCAU 2x020/0048 L020 one4all	**86459108**	Remote LED control gear

TALEXmodule STARK DLE PREMIUM

DLE module system component



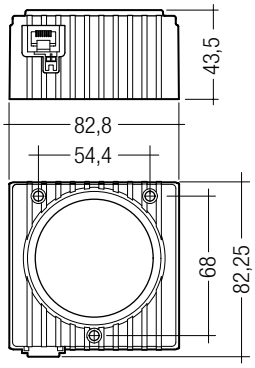
Product description

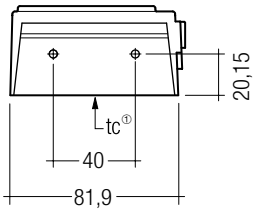
- Tunable white – LED system with adjustable colour temperature along the planck's curve
- Luminous flux 800 and 1,800 lm
- High efficiency
- High colour rendering index CRI > 90
- Low colour temperature tolerances (MacAdam 3)
- Low tolerances for luminous flux
- High-power LED in chip-on-board technology (COB)
- Excellent thermal management
- Downlights
- Constant colour over the dimming range from 15 to 100 %
- 5-year guarantee

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

Technical data

Beam angle	80°
Ambient temperature ta	-25 ... +55 °C
Typ. tc point	65 °C
Risk group (EN 62471:2008)	0





① The tc-point is situated in centre of the bottom side

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK DLE 800-927-965-PRE	**89601166**	2,700 – 6,500 K	10 pc(s).	0.29 kg
STARK DLE 1800-927-965-PRE	**89601165**	2,700 – 6,500 K	10 pc(s).	0.29 kg

ACCES-SORIES

TALEXaccessory CONNECT – RJ45 U

Product description

- Connection cable 1 or 2 m for connecting TALEXmodule STARK and TALEXconverter LCAU
- RJ45 unshielded



Ordering data

Type	Article number	Length L	Packaging	Weight per pc.
RJ45/RJ45 U 1.0m	**24166480**	1 m	1 pc(s).	0.040 kg
RJ45/RJ45 U 2.0m	**24166481**	2 m	1 pc(s).	0.079 kg

IP20 SELV RoHS

TALEXconverter LCAU 2x20W one4all

LED control gear module system component

Product description

- LED control gear for PREMIUM modules
- Output power: 2 x 20 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 control gear
- RJ45 connector for Plug'n Play

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 performance ②
- SELV
- Plastic casing black
- Type of protection IP20 (remote LED control gear)

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

Technical data

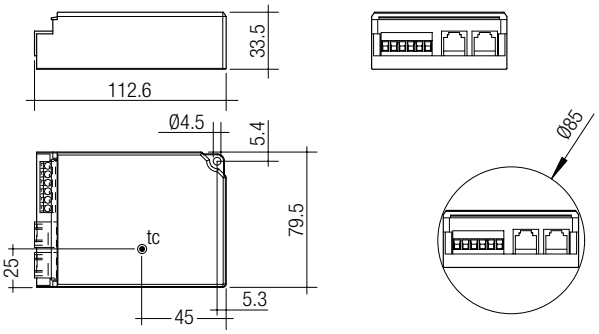
Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC ①	170 – 264 V
Rated current (at 230 V, 50 Hz)	0.21 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	90 %
λ at 230 V, 50 Hz, full load	0.95
Control input ① ③	DSI, DALI, switchDIM, colourSWITCH
Stand-by power ④	< 0.5 W
Output voltage	49 V ±2 V
Output power	2 x 25 / 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



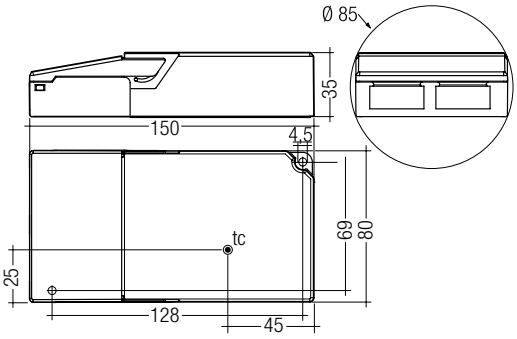
In-built LED control gear



Remote LED control gear



In-built LED control gear



Remote LED control gear

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAU 2x020/0048 L010 one4all	**86459414**	10 pc(s).	560 pc(s).	0.19 kg
LCAU 2x020/0048 L020 one4all	**86459108**	10 pc(s).	560 pc(s).	0.21 kg

① In DC operation the last set colour is used.
② If the overload is too high the LED control gear 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

NEW

TALEXmodule STARK DLE GEN2 CLASSIC

STARK DLE

Product description

- For downlights
- Luminous flux range from 1,060 – 4,650 lm
- High efficiency up to 162 lm/W for the LED module
- High system efficiency up to 139 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 control gear 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

Technical data

Beam characteristic	140°
Ambient temperature ta	-25 ... +55 °C
tp_rated temperature	65 °C
Max. tc point temperature	up to 85 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

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For standards see data sheet

For specific technical data see data sheet

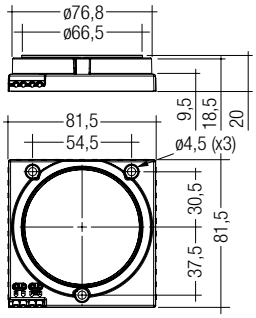
For colour temperatures and tolerances see data sheet



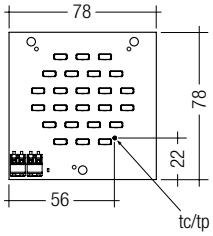
With housing

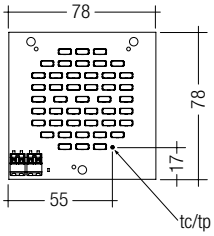


PURE (without housing)



With housing





PURE (without housing) – dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Packaging, carton	Weight per pc.
STARK-DLE-PURE-G2-LES65-2000-830-CLA	28000264	3,000 K	no	1 pc(s).	0.030 kg
STARK-DLE-PURE-G2-LES65-2000-840-CLA	28000265	4,000 K	no	1 pc(s).	0.030 kg
STARK-DLE-PURE-G2-LES65-3000-830-CLA	28000266	3,000 K	no	1 pc(s).	0.030 kg
STARK-DLE-PURE-G2-LES65-3000-840-CLA	28000267	4,000 K	no	1 pc(s).	0.030 kg
STARK-DLE-G2-LES65-2000-830-CLA	28000268	3,000 K	yes	10 pc(s).	0.065 kg
STARK-DLE-G2-LES65-2000-840-CLA	28000269	4,000 K	yes	10 pc(s).	0.065 kg
STARK-DLE-G2-LES65-3000-830-CLA	28000270	3,000 K	yes	10 pc(s).	0.065 kg
STARK-DLE-G2-LES65-3000-840-CLA	28000271	4,000 K	yes	10 pc(s).	0.065 kg

Zhaga CE RoHS

NEW

TALEXmodule STARK SLE GEN3 CLASSIC

STARK SLE

Product description

- For spotlights and downlights
- Luminous flux range from 1,300 – 6,900 lm
- High efficiency up to 137 lm/W for the LED module
- High system efficiency up to 113 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 control gear 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
- 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	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

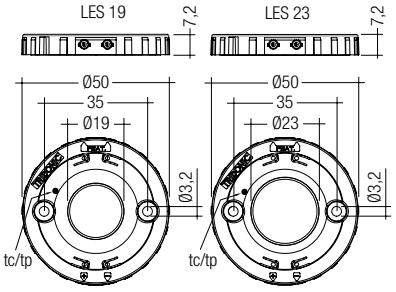
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For standards see data sheet

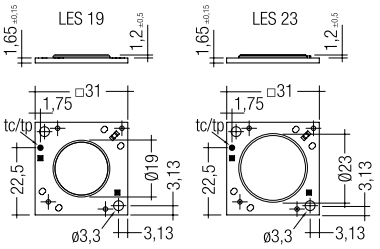
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – dimensions in mm



PURE (without housing) – dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-G3-19-2000-830-CLA	89601800	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-2000-840-CLA	89601801	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-3000-830-CLA	89601810	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-3000-840-CLA	89601811	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-3000-830-CLA	89601802	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-3000-840-CLA	89601803	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-4000-830-CLA	89601804	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-4000-840-CLA	89601805	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-2000-830-CLA	89601784	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-2000-840-CLA	89601785	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-3000-830-CLA	89601806	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-3000-840-CLA	89601807	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-3000-830-CLA	89601786	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-3000-840-CLA	89601787	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-4000-830-CLA	89601788	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-4000-840-CLA	89601789	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-2000-830-CLA W/O-C	89601794	3,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-19-2000-840-CLA W/O-C	89601795	4,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-19-3000-830-CLA W/O-C	89601808	3,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-19-3000-840-CLA W/O-C	89601809	4,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-23-3000-830-CLA W/O-C	89601796	3,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-23-3000-840-CLA W/O-C	89601797	4,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-23-4000-830-CLA W/O-C	89601798	3,000 K	no	no	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-23-4000-840-CLA W/O-C	89601799	4,000 K	no	no	20 pc(s).	0.004 kg

NEW

TALEXmodule STARK SLE GEN3 Mini CLASSIC

STARK SLE

Product description

- For spotlights and downlights
- Luminous flux range from 610 – 4,100 lm
- High efficiency up to 135 lm/W for the LED module
- High system efficiency up to 112 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
- 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

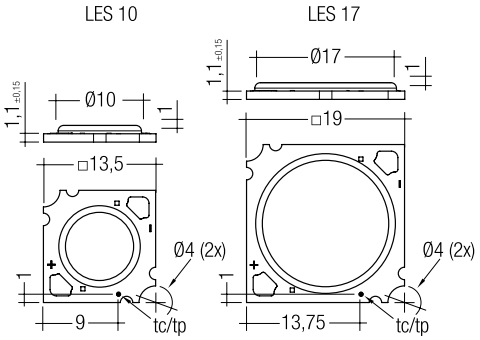
Beam characteristic	140°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature	65 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





PURE (without housing) – dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-PURE-G3-10-1000-830-CLA	89601780	3,000 K	no	yes	20 pc(s).	0.003 kg
STARK-SLE-PURE-G3-10-1000-840-CLA	89601781	4,000 K	no	yes	20 pc(s).	0.003 kg
STARK-SLE-PURE-G3-17-2000-830-CLA	89601782	3,000 K	no	yes	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-17-2000-840-CLA	89601783	4,000 K	no	yes	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-10-1000-830-CLA W/O-C	89601790	3,000 K	no	no	20 pc(s).	0.001 kg
STARK-SLE-PURE-G3-10-1000-840-CLA W/O-C	89601791	4,000 K	no	no	20 pc(s).	0.001 kg
STARK-SLE-PURE-G3-17-2000-830-CLA W/O-C	89601792	3,000 K	no	no	20 pc(s).	0.001 kg
STARK-SLE-PURE-G3-17-2000-840-CLA W/O-C	89601793	4,000 K	no	no	20 pc(s).	0.001 kg

NEW

TALEXmodule STARK SLE GEN3 CLASSIC EM

STARK SLE

Product description

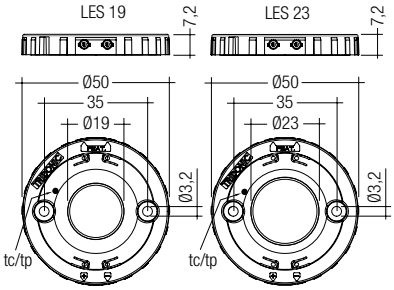
- Combined LED module for general and emergency lighting
- For spotlights and downlights
- Luminous flux range from 1,300 – 5,650 lm
- High efficiency up to 136 lm/W for the LED module
- High system efficiency up to 113 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Small LES (light emitting 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
- 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	-20 ... +50 °C
tp_rated temperature	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00





With housing (tc/tp position same as without housing) – dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-G3-19-2000-830-CLA-EM	89601868	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-2000-840-CLA-EM	89601869	4,000 K	yes	no	15 pc(s).	0.017 kg
STARK-SLE-G3-23-3000-830-CLA-EM	89601870	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-3000-840-CLA-EM	89601871	4,000 K	yes	no	15 pc(s).	0.014 kg

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Zhaga CE RoHS

NEW

TALEXmodule STARK SLE GEN3 SELECT

STARK SLE

Product description

- For spotlights and downlights
- Luminous flux range from 1,110 – 6,020 lm
- High efficiency up to 118 lm/W for the LED module
- High system efficiency up to 98 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 control gear 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
- 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	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

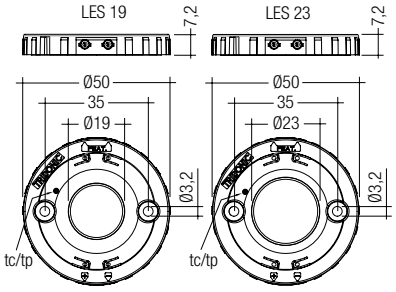
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For standards see data sheet

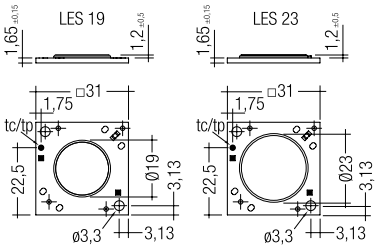
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – dimensions in mm



PURE (without housing) – dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-G3-19-2000-930-SEL	89601834	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-2000-940-SEL	89601835	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-3000-930-SEL	89601844	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-3000-940-SEL	89601845	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-3000-930-SEL	89601836	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-3000-940-SEL	89601837	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-4000-930-SEL	89601838	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-4000-940-SEL	89601839	4,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-2000-930-SEL	89601818	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-2000-940-SEL	89601819	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-3000-930-SEL	89601840	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-3000-940-SEL	89601841	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-3000-930-SEL	89601820	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-3000-940-SEL	89601821	4,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-4000-930-SEL	89601822	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-4000-940-SEL	89601823	4,000 K	no	yes	20 pc(s).	0.009 kg

NEW

TALEXmodule STARK SLE GEN3 Mini SELECT

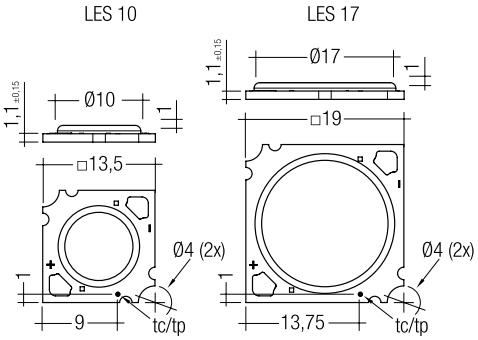
STARK SLE

Product description

- For spotlights and downlights
- Luminous flux range from 510 – 3,480 lm
- High efficiency up to 114 lm/W for the LED module
- High system efficiency up to 95 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
- 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





PURE (without housing) – dimensions in mm

Technical data

Beam characteristic	140°
Ambient temperature ta	-25 ... +50 °C
tp_rated temperature	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-PURE-G3-10-1000-930-SEL	**89601814**	3,000 K	no	yes	20 pc(s).	0.003 kg
STARK-SLE-PURE-G3-10-1000-940-SEL	**89601815**	4,000 K	no	yes	20 pc(s).	0.003 kg
STARK-SLE-PURE-G3-17-2000-930-SEL	**89601816**	3,000 K	no	yes	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-17-2000-940-SEL	**89601817**	4,000 K	no	yes	20 pc(s).	0.004 kg
STARK-SLE-PURE-G3-10-1000-930-SEL W/O-C	**89601824**	3,000 K	no	no	20 pc(s).	0.001 kg
STARK-SLE-PURE-G3-10-1000-940-SEL W/O-C	**89601825**	4,000 K	no	no	20 pc(s).	0.001 kg
STARK-SLE-PURE-G3-17-2000-930-SEL W/O-C	**89601826**	3,000 K	no	no	20 pc(s).	0.001 kg
STARK-SLE-PURE-G3-17-2000-940-SEL W/O-C	**89601827**	4,000 K	no	no	20 pc(s).	0.001 kg

TALEXengine STARK SLE PREMIUM system
STARK SLE

Product description
- Tunable white 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, DALI, DSI or Colour Control Interface for local operation

Necessary system components
- TALEXmodule STARK SLE PREMIUM
- TALEXconverter LCAU 2x20W 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 control gear



Remote LED control gear

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	**86459414**	In-built LED control gear
LCAU 2x020/0048 L020 one4all	**86459108**	Remote LED control gear

STARK SLE PREMIUM KIT – part 1

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
- For spotlights and downlights
- Luminous flux 1,350 and 2,050 lm
- 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 & play plug connection
- Excellent thermal management by COB technology
- Dimming range 15 to 100 %

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

Technical data

Beam angle	140°
Ambient temperature ta	-25 ... +55 °C
tp point temperature	65 °C
Max. tc point temperature	65 °C
Risk group (EN 62471:2008)	0

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For standards see data sheet

Specific technical data see data sheet

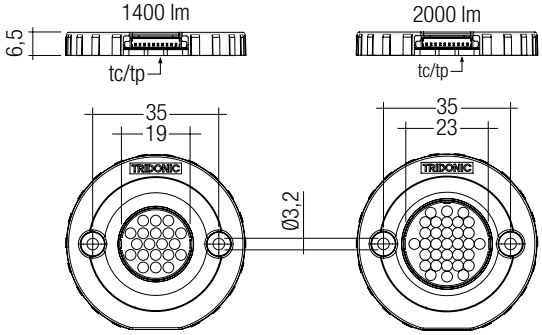
For colour temperatures and tolerances see data sheet



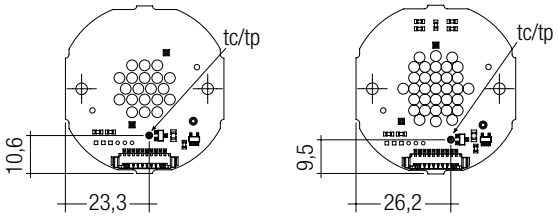
With housing



Without housing



With housing – dimensions in mm



Without housing – dimensions in mm

IP20 RoHS

STARK SLE PREMIUM KIT – part 2

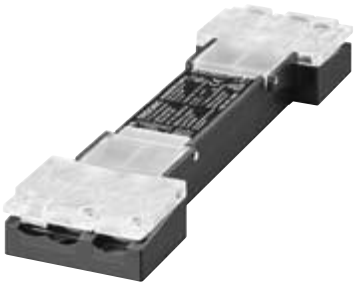
TALEXconverter LMAI system component

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-by 0 W
- Output power max. 44 W
- Strain relief for snap in (only for LMAI with strain-relief set)



LMAI without strain relief set

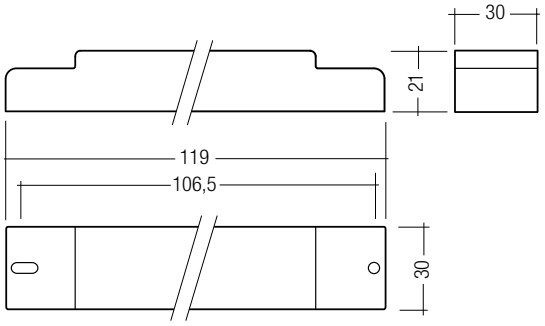


LMAI with strain relief set

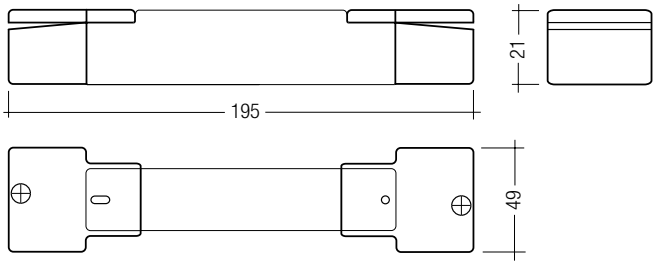
Properties

- Use only with LED control gear 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

→

For standards see data sheet

IP20 SELV RoHS

TALEXconverter LCAU 2x20W one4all

LED control gear system component

Product description

- LED control gear for PREMIUM modules
- Output power: 2 x 20 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 control gear
- RJ45 connector for plug & play

Properties

- switchDIM (with memory function)
- colourSWITCH 2,700 to 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 performance ②
- SELV
- Plastic casing black
- Type of protection IP20 (remote LED control gear)

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

Technical data

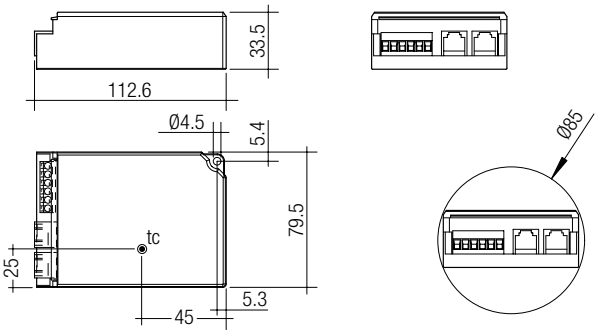
Rated supply voltage	220 – 240 V
Input voltage, AC	198 – 264 V
Input voltage, DC ①	170 – 264 V
Rated current (at 230 V, 50 Hz)	0.21 A
Mains frequency	0 / 50 / 60 Hz
Efficiency	90 %
λ at 230 V, 50 Hz, full load	0.95
Control input ① ③	DSI, DALI, switchDIM, colourSWITCH
Stand-by power ④	< 0.5 W
Output voltage	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



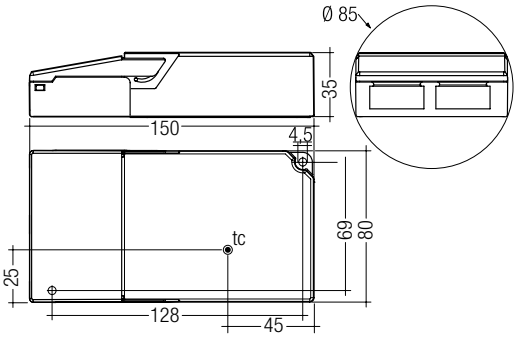
In-built LED control gear



Remote LED control gear



In-built LED control gear



Remote LED control gear

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCAU 2x020/0048 L010 one4all	**86459414**	10 pc(s).	560 pc(s).	0.19 kg
LCAU 2x020/0048 L020 one4all	**86459108**	10 pc(s).	560 pc(s).	0.21 kg

① In DC operation the last set colour is used.
② If the overload is too high the LED control gear 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

ACCES-SORIES

TALEXaccessory CONNECT – RJ45 U

Product description

- Connection cable 1 or 2 m for connecting TALEXmodule STARK and TALEXconverter LCAU
- RJ45 unshielded



Ordering data

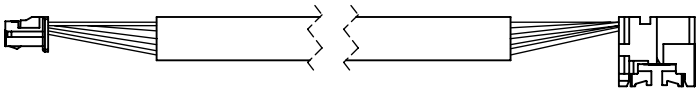
Type	Article number	Length L	Packaging	Weight per pc.
RJ45/RJ45 U 1.0m	**24166480**	1 m	1 pc(s).	0.040 kg
RJ45/RJ45 U 2.0m	**24166481**	2 m	1 pc(s).	0.079 kg

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

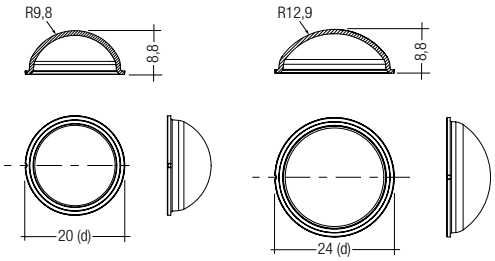
Type	Article number	Length L	Packaging, carton	Weight per pc.
10PIN PLUG/10PIN PLUG 0.2m	**24166482**	0.2 m	10 pc(s).	0.007 kg

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 pc(s).	0.001 kg
LED Mixing Cap STARK SLE	**88167565**	24 mm	2,000 pc(s).	0.001 kg

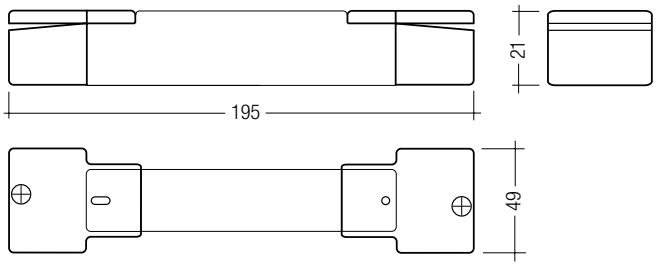
ACCES-
SORIES

Strain-relief set

Product description

- Strain relief for TALEXconverter 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

NEW

TALEXmodule STARK SLE GEN3 FOOD

STARK SLE

Product description

- Application specific colours for attractive product presentation
- For spotlights
- Luminous flux range from 660 – 5,000 lm
- High efficiency up to 137 lm/W for the LED module
- High system efficiency up to 113 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
- NTC for temperature control
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required
- Long life time: L70 at > 50,000 operting hours
- Flexible operating mode

→ 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	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

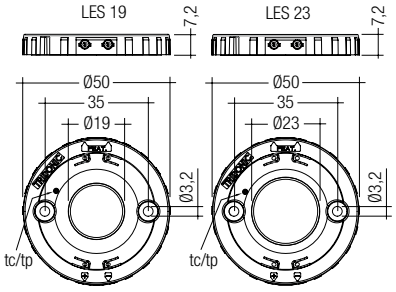
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For standards see data sheet

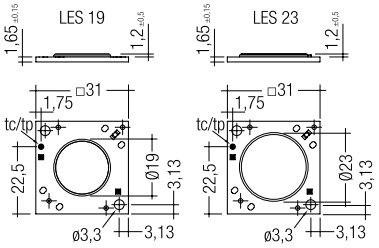
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – dimensions in mm



PURE (without housing) – dimensions in mm

Ordering data

Type	Article number	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-G3-19-Gold	**89601856**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-Gold+	**89601857**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-Fresh Meat	**89601859**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-19-Meat+	**89601858**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-Gold	**89601860**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-Gold+	**89601861**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-Fresh Meat	**89601863**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-Meat+	**89601862**	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-PURE-19-Gold	**89601848**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-19-Gold+	**89601849**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-19-Fresh Meat	**89601851**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-19-Meat+	**89601850**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-23-Gold	**89601852**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-23-Gold+	**89601853**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-23-Fresh Meat	**89601855**	no	yes	20 pc(s).	0.009 kg
STARK-SLE-G3-PURE-23-Meat+	**89601854**	no	yes	20 pc(s).	0.009 kg

NEW

TALEXmodule STARK SLE GEN3 ART

STARK SLE

Product description

- Highest light quality in the market with full spectrum technology
- Application: Shop, Art & Culture
- Luminous flux range from 450 – 4,740 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 control gear 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
- 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	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

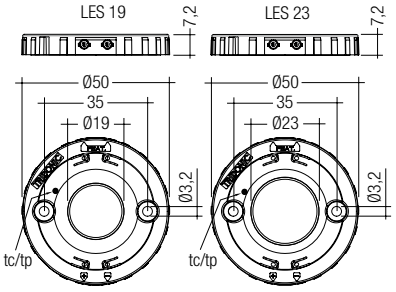
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For standards see data sheet

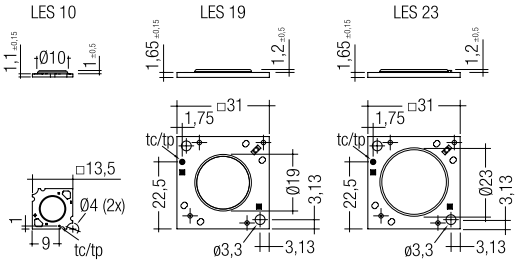
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – dimensions in mm



PURE (without housing) – dimensions in mm

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-G3-19-930-ART	**89601763**	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-930-ART	**89601765**	3,000 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-PURE-G3-10-930-ART	**89601762**	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-930-ART	**89601764**	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-930-ART	**89601766**	3,000 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-10-930-ART W/O-C	**89601761**	3,000 K	no	no	20 pc(s).	0.004 kg

RoHS

NEW

TALEXmodule STARK SLE GEN3 FASHION

STARK SLE

Product description

- A new optimised light spectrum for shop and retail
- LED solution with unique colour impression
- Warm and saturated colours combined with pure white
- Luminous flux range from 850 – 4,700 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 control gear 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
- Built-in LED module
- Cooling required
- Flexible operating modes
- 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	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

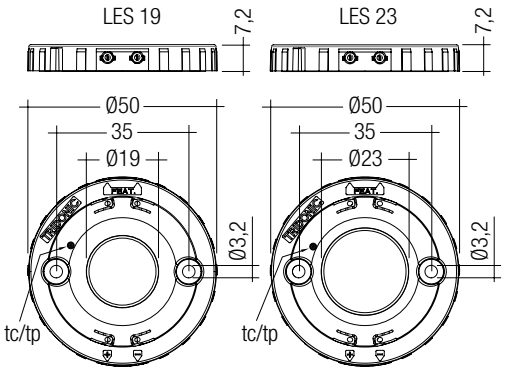
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For standards see data sheet

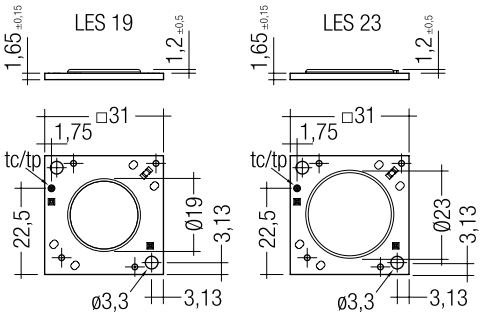
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





With housing (tc/tp position same as without housing) – dimensions in mm



Without housing – dimensions in mm

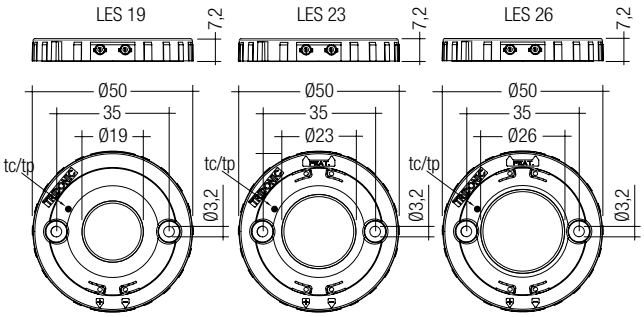
Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK-SLE-G3-19-FASHION	89601902	3,250 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-G3-23-FASHION	89601903	3,250 K	yes	no	15 pc(s).	0.009 kg
STARK-SLE-PURE-G3-19-FASHION	89601904	3,250 K	no	yes	20 pc(s).	0.009 kg
STARK-SLE-PURE-G3-23-FASHION	89601905	3,250 K	no	yes	20 pc(s).	0.009 kg

TALEXmodule STARK SLE GEN2 COI

STARK SLE





Product description

- LED module for hospital and medical tasks
- Fulfills the requirements for Cyanosis observation lighting according to the standard AS/NZS 1680.2.5:1997
- For spotlights and downlights
- Luminous flux range from 1,100 – 3,750 lm
- High colour rendering index CRI > 90
- High efficiency up to 116 lm/W for the LED module
- High system efficiency up to 90 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
- NTC for temperature control for type LES23 and LES26
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required
- Long life time: up to 80 % luminous flux after 50,000 operating hours
- Flexible operating mode

→ 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	65 °C
Max. tc point temperature	75 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Housing	Connection cable	Packaging, carton	Weight per pc.
STARK SLE G2 LES19 4000K COI	**89601737**	4,000 K	yes	no	15 pc(s).	0.008 kg
STARK SLE G2 LES23 4000K COI	**89601738**	4,000 K	yes	no	15 pc(s).	0.008 kg
STARK SLE G2 LES26 4000K COI	**89601739**	4,000 K	yes	no	15 pc(s).	0.008 kg

NEW

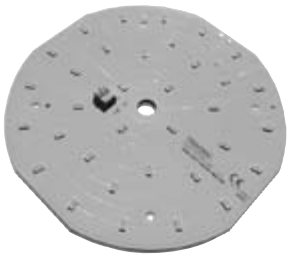
TALEXmodule STARK CLE 160-2200 CLASSIC

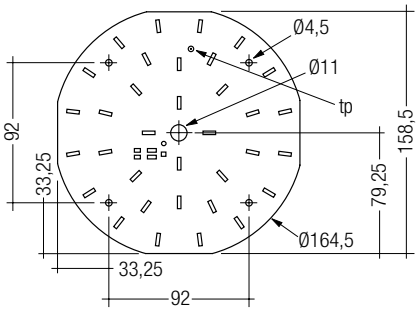
STARK CLE

Product description

- Ideal for ceiling-mounted and wallmounted luminaires
- Luminous flux range from 2,050 – 2,280 lm
- Efficiency of the module up to 125 lm/W
- Small colour tolerance (MacAdam 4)
- 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 specific technical data 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

TALEXmodule STARK CLE 220-1500 CLASSIC EM

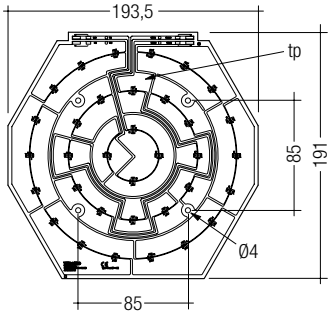
STARK CLE

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 annular and TC-DD fluorescent lamps
- Luminous flux range from 1,300 – 1,900 lm
- 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)
- 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

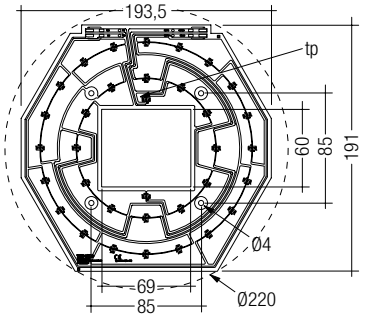
→ For product data sheet go to www.tridonic.com, or available on request





STARK-CLE-220-EM





STARK-CLE-220-EM-SO

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 specific technical data 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-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

NEW

TALEXmodule STARK CLE 315-4000 CLASSIC EM

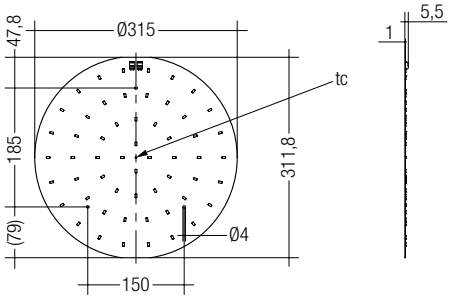
STARK CLE

Product description

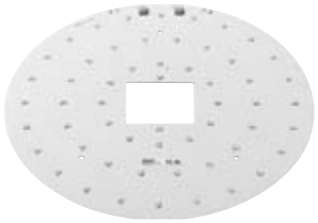
- Ideal for ceiling-mounted and wallmounted luminaires
- Based on annular and compact fluorescent lamps
- Luminous flux range from 2,500 – 3,900 lm
- Efficiency of the module up to 127 lm/W
- SO version is compatible with SWITCH Sensor HF 5BP
- Integrated separate emergency LEDs controlled by EM powerLED
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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

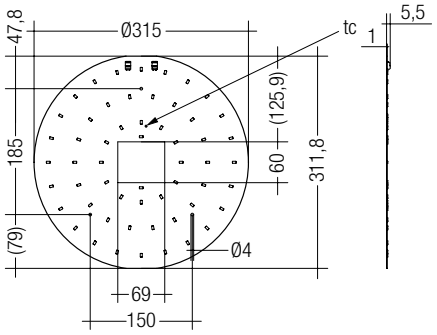
→ For product data sheet go to www.tridonic.com, or available on request





STARK-CLE-315-EM





STARK-CLE-315-EM-SO

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 specific technical data 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-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

NEW

TALEXmodule STARK FLE GEN1

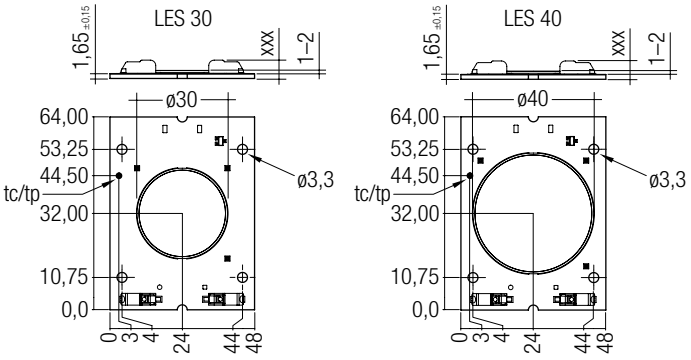
STARK FLE

Product description

- For spotlights
- Luminous flux range from 8,000 – 22,300 lm
- High efficiency up to 116 lm/W for the LED module
- High system efficiency up to 105 lm/W at tp = 65 °C
- High colour consistency (MacAdam 3)
- Excellent thermal management by COB technology
- Uniform radiation with Dam&Fill technology
- Fixing holes for M3 screws
- Built-in LED module
- Cooling required
- Flexible operating modes

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





Technical data

Beam characteristic	140°
Ambient temperature ta	-20 ... +50 °C
tp_rated temperature	65 °C
Max. tc point temperature	up to 90 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

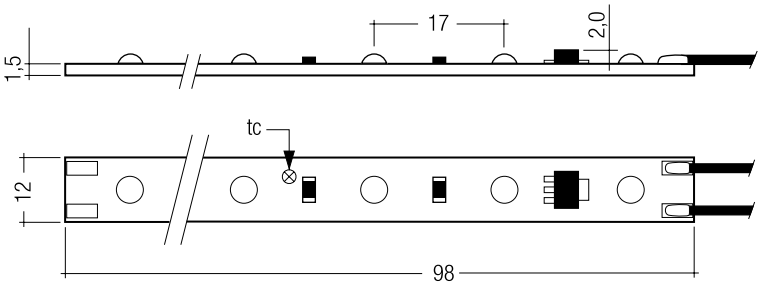
Type	Article number	Colour temperature	Packaging	Weight per pc.
STARK-FLE-G1-LES30-830-CLA	**89601873**	3,000 K	tbd	tbd
STARK-FLE-G1-LES30-840-CLA	**89601874**	4,000 K	tbd	tbd
STARK-FLE-G1-LES30-765-IND	**89601875**	6,500 K	tbd	tbd
STARK-FLE-G1-LES40-830-CLA	**89601876**	3,000 K	tbd	tbd
STARK-FLE-G1-LES40-840-CLA	**89601877**	4,000 K	tbd	tbd
STARK-FLE-G1-LES40-765-IND	**89601878**	6,500 K	tbd	tbd

RoHS

TALEXmodule STRIP P130-2

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
- Luminous flux range from 80 – 156 lm
- Suitable for TALEXaccessory PROFILE Z200-2 / Z201-2 / Z22W-2
- 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	75 °C
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For specific technical data see data sheet

For wiring diagrams and installation examples see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour	Colour temperature	Packaging, carton	Weight per pc.
6 light points per module					
P130-2 DL	**89600745**	Daylight white	6,500 K	20 pc(s).	0.007 kg
P130-2 NW	**89600746**	Neutral white	4,200 K	20 pc(s).	0.007 kg
P130-2 WW	**89600747**	Warm white	3,000 K	20 pc(s).	0.007 kg
P130-2 GOLD	**89600744**	Gold	2,700 K	20 pc(s).	0.007 kg
P130-2 CM2	**89600786**	Cool meat	–	20 pc(s).	0.007 kg
P130-2 CM3	**89600976**	Cool meat +	–	20 pc(s).	0.007 kg

RoHS

NEW

TALEXmodule EOS P211-5

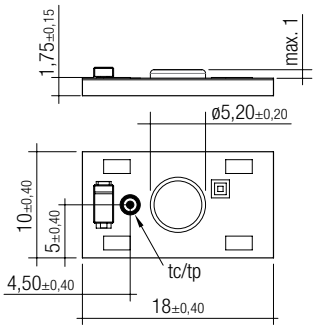
EOS

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	75 °C
Max. tc point temperature	85 °C
Risk group (EN 62471:2008)	1
Type of protection	IP00

→

For standards see data sheet

For optional accessory see data sheet

For specific technical data see data sheet

For wiring diagrams and installation examples see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

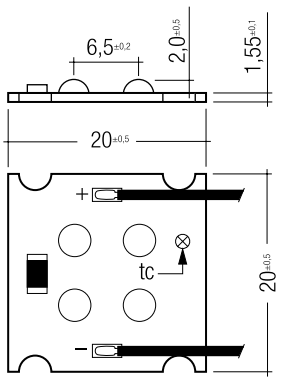
Type	Article number	Wave length	Colour	Colour temperature	Connection cable	Packaging, carton	Weight per pc.
P211-5 DL	**89601879**	–	Daylight white	6,500 K	yes	100 pc(s).	0.003 kg
P211-5 NW	**89601880**	–	Neutral white	4,200 K	yes	100 pc(s).	0.003 kg
P211-5 WW	**89601881**	–	Warm white	3,000 K	yes	100 pc(s).	0.001 kg
P211-5 PM	**89601882**	–	Packed meat	–	yes	100 pc(s).	0.001 kg
P211-5 GOLD	**89601883**	–	Gold	2,700 K	yes	100 pc(s).	0.001 kg
P211-5 DL	**89601884**	–	Daylight white	6,500 K	no	100 pc(s).	0.001 kg
P211-5 NW	**89601885**	–	Neutral white	4,200 K	no	100 pc(s).	0.008 kg
P211-5 WW	**89601886**	–	Warm white	3,000 K	no	100 pc(s).	0.002 kg
P211-5 PM	**89601887**	–	Packed meat	–	no	100 pc(s).	0.001 kg
P211-5 GOLD	**89601888**	–	Gold	2,700 K	no	100 pc(s).	0.001 kg

RoHS

TALEXmodule EOS P214-4

EOS





Product description

- General lighting
- Design and effect lighting
- Spotlights
- Luminous flux range from 310 – 620 lm
- 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
Risk group (EN 62471:2008)	0

→

For standards see data sheet

For optional accessory see data sheet

For specific technical data see data sheet

For wiring diagrams and installation examples see data sheet

For 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

RoHS

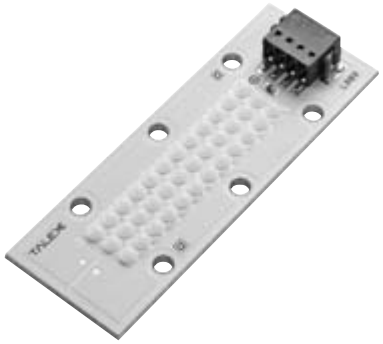
TALEXmodule RECTANGULAR P440-2
EOS

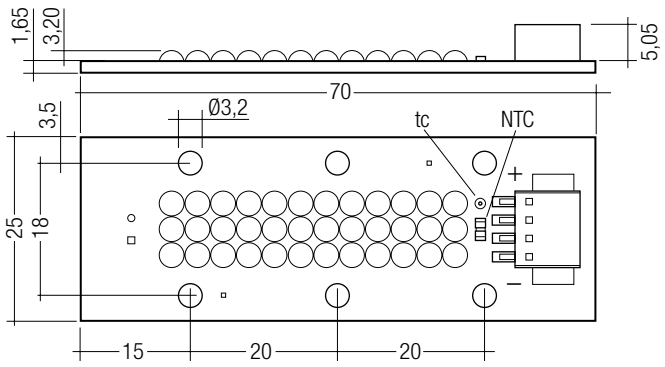
Product description
- Street lighting
- Luminous flux range from 2,400 – 3,800 lm
- High-flux LED module
- Narrow colour temperature tolerance band
- Compact design
- Excellent thermal management
- NTC for temperature control
- High-power LED in chip-on-board technology (COB)
- Beam characteristic: 140°
- 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	40 W
Risk group (EN 62471:2008)	0





→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	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

NEW

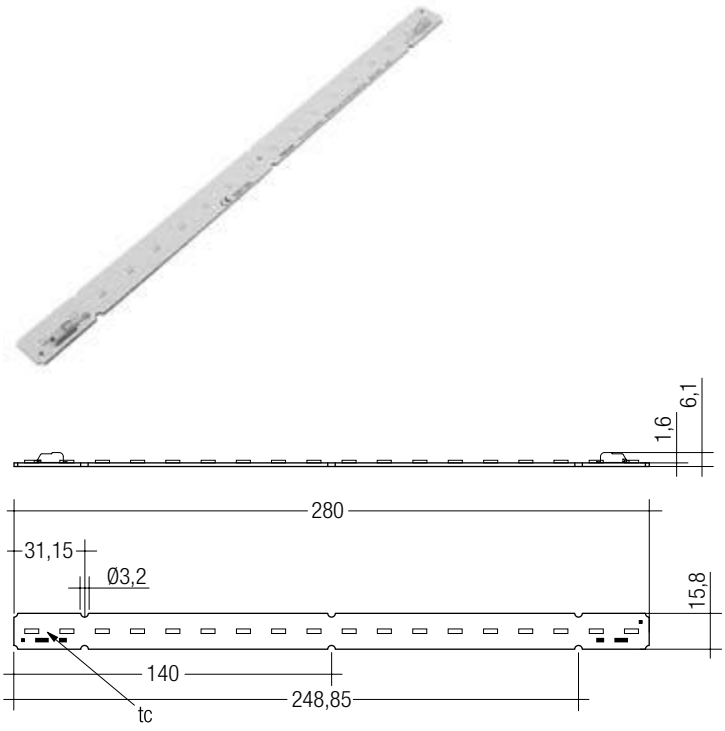
TALEXmodule STARK LLE 16-280-650 CLASSIC

STARK LLE

Product description

- Ideal for linear and panel lights
- Luminous flux range from 680 – 840 lm
- Efficiency of the module up to 137 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4)
- 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)	0
Type of protection	IP00

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

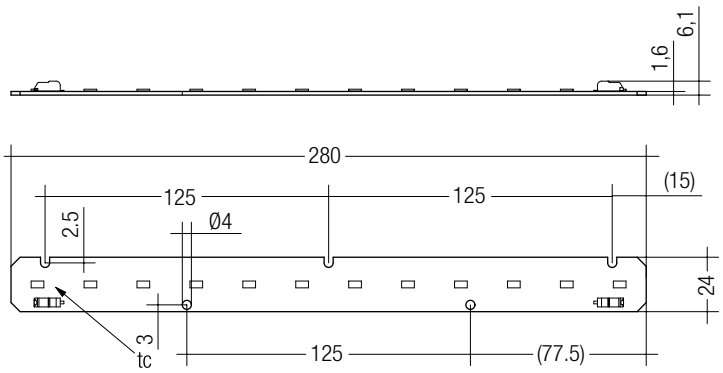
Ordering data

Type	Article number	Colour temperature	Packaging, carton
STARK-LLE16-280-650-830-CLA	**89601864**	3,000 K	1 pc(s).
STARK-LLE16-280-650-840-CLA	**89601865**	4,000 K	1 pc(s).

TALEXmodule STARK LLE 24-280-650 CLASSIC

STARK LLE





Product description

- Ideal for linear and panel lights
- Luminous flux range from 630 – 770 lm
- Efficiency of the module up to 121 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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

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 specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

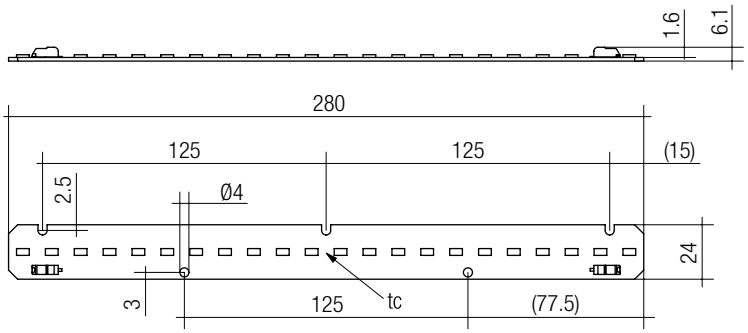
Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-24-280-650-830-CLA	**28000155**	3,000 K	300 pc(s).	0.023 kg
STARK-LLE-24-280-650-840-CLA	**28000156**	4,000 K	300 pc(s).	0.023 kg

RoHS

TALEX(module STARK LLE 24-280-1250 CLASSIC

STARK LLE





Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,140 – 1,440 lm
- LED system solution with outstanding system efficiency up to 112 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 080/0350
- Efficiency of the module up to 129 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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 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

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE24-1250-830-CLA	**28000094**	3,000 K	300 pc(s).	0.023 kg
STARK-LLE24-1250-840-CLA	**28000095**	4,000 K	300 pc(s).	0.023 kg
STARK-LLE24-1250-850-CLA	**25000820**	5,000 K	300 pc(s).	0.023 kg

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For standards see data sheet

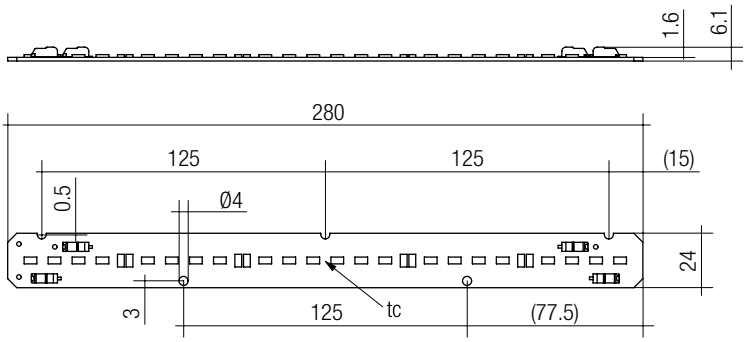
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

TALEXmodule STARK LLE 24-280-1250 CLASSIC EM

STARK LLE





Product description

- Ideal for linear and panel lights
- Combined LED module for general and emergency lighting
- Luminous flux range from 1,140 – 1,410 lm
- Integrated separate emergency LEDs controlled by EM powerLED (2 or 4 W version)
- Efficiency of the module up to 123 lm/W
- Separate wired emergency LEDs
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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

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 specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

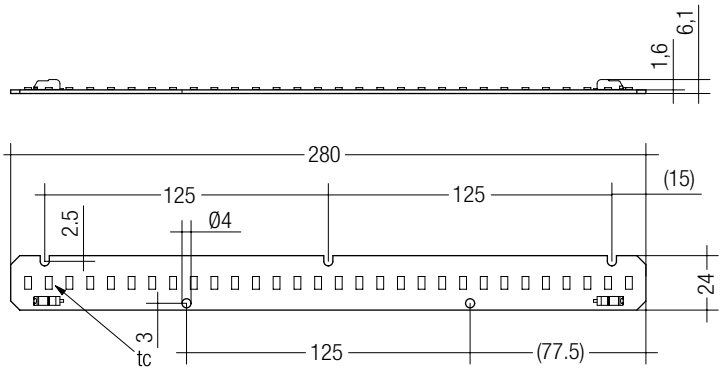
Type	Article number	Colour temperature	Packaging, carton	Packaging, pallet	Weight per pc.
STARK-LLE24-1250-830-CLA EM	**25000816**	3,000 K	300 pc(s).	6,000 pc(s).	0.023 kg
STARK-LLE24-1250-840-CLA EM	**25000818**	4,000 K	300 pc(s).	6,000 pc(s).	0.023 kg

NEW

TALEXmodule STARK LLE 24-280-2000 CLASSIC

STARK LLE





Product description

- Ideal for linear and panel lights with high luminous flux
- Luminous flux range from 1,580 – 2,040 lm
- Efficiency of the module up to 129 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4)
- 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)	0
Type of protection	IP00

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For standards see data sheet

For specific technical data see data sheet

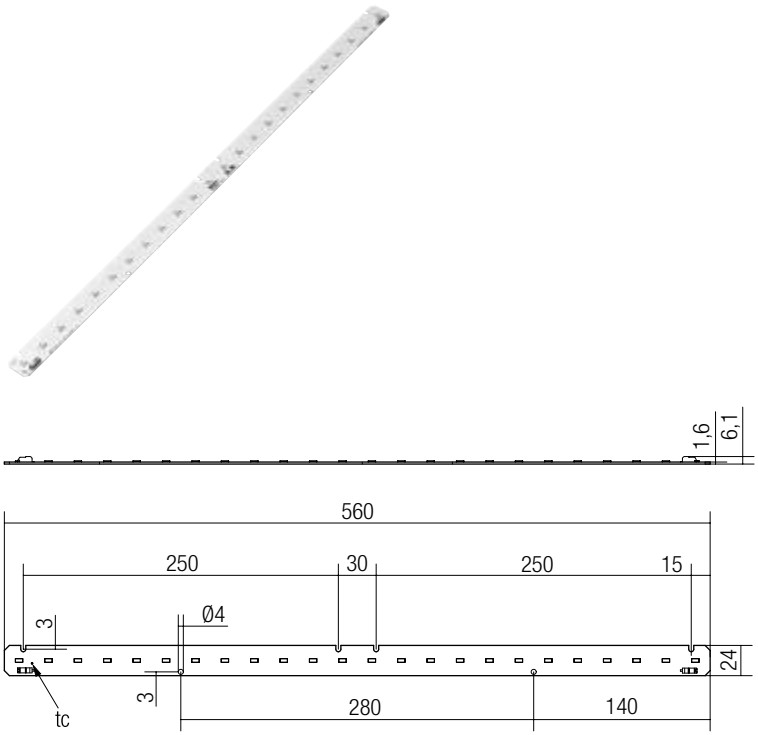
For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging, carton
STARK-LLE24-280-2000-830-CLA	**89800360**	3,000 K	1 pc(s).
STARK-LLE24-280-2000-840-CLA	**89800361**	4,000 K	1 pc(s).

TALEXmodule STARK LLE 24-560-1300 CLASSIC

STARK LLE



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 106 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 040/0300
- Efficiency of the module up to 123 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-24-560-1300-830-CLA	**28000157**	3,000 K	240 pc(s).	0.023 kg
STARK-LLE-24-560-1300-840-CLA	**28000158**	4,000 K	240 pc(s).	0.078 kg

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For standards see data sheet

For specific technical data see data sheet

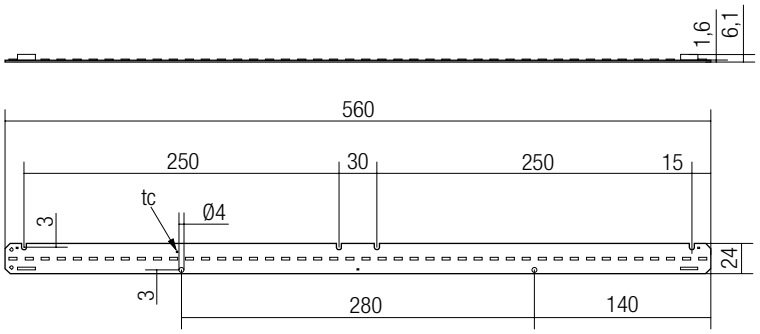
For colour temperatures and tolerances see data sheet

RoHS

TALEXmodule STARK LLE 24-560-2400 CLASSIC

STARK LLE





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 111 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 070/0300
- Efficiency of the module up to 123 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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)	0
Type of protection	IP00

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For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

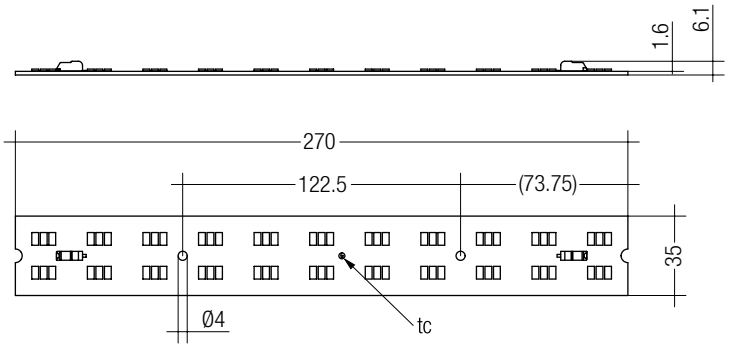
Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-LLE-24-560-2400-830-CLA	**28000241**	3,000 K	240 pc(s).	0.046 kg
STARK-LLE-24-560-2400-840-CLA	**28000242**	4,000 K	240 pc(s).	0.046 kg

TALEXmodule STARK LLE 35-270-1250 CLASSIC

STARK LLE





Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,180 – 1,470 lm
- LED system solution with outstanding system efficiency up to 118 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 080/0350
- Efficiency of the module up to 131 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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

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 specific technical data see data sheet

For colour temperatures and tolerances see data sheet

CE RoHS

NEW

TALEXmodule STARK LLE PREMIUM system

STARK LLE

Product description

- Tunable white system with adjustable colour temperature from 3,000 to 6,000 K
- NEW DALI DEVICE Type 8 for tunable white
- Noise-free precise control via switchDIM, DALI or DSI
- 5-year guarantee

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



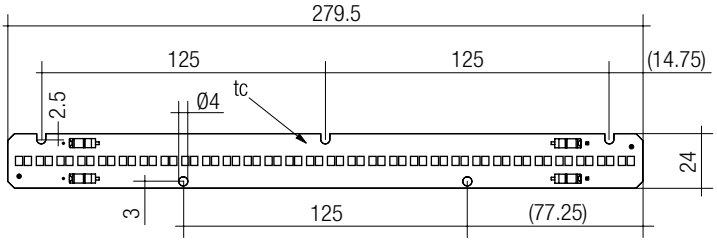
Ordering data

Type	Article number	System components
STARK-LLE-3x24-280-700-830-860-PRE-KIT	**89601896**	1 LED control gear + 3 LED modules
STARK-LLE-4x24-280-700-830-860-PRE-KIT	**89601897**	1 LED control gear + 4 LED modules
STARK-LLE-5x24-280-700-830-860-PRE-KIT	**89601898**	1 LED control gear + 5 LED modules
STARK-LLE-3x24-280-1500-830-860-PRE-KIT	**89601899**	1 LED control gear + 3 LED modules
STARK-LLE-4x24-280-1500-830-860-PRE-KIT	**89601900**	1 LED control gear + 4 LED modules
STARK-LLE-5x24-280-1500-830-860-PRE-KIT	**89601901**	1 LED control gear + 5 LED modules

TALEXmodule STARK LLE PREMIUM KIT – part 1

LLE module system component





Product description

- Tunable white module with adjustable colour temperature
- High efficiency
- High colour rendering index CRI > 80
- Low tolerances for colour temperature (MacAdam 4)
- Low light current tolerances
- Excellent thermal management
- Ideal for linear and panel lights
- Constant colour over the dimming range from 10 to 100 %

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

Technical data

Beam characteristic	120°
Ambient temperature ta	-25 ... +55 °C
tc point	65 °C
Risk group (EN 62471:2008)	1

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For standards see data sheet

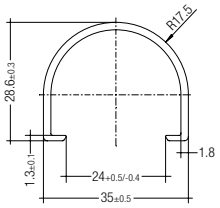
For colour temperatures and tolerances see data sheet

ACCES-SORIES

LINEAR COVER SY

Product description

- Linear cover / diffusor for LLE 24
- Protection against direct touch for non-SELV applications
- Fast snap on mounting on to LLE 24 with clips or plastic washers
- High transmission:
  – transparent 94 %
  – semi-transparent 87 %
  – diffuse 76 %
- Tolerances: ± 1 mm for 579 mm length (ends finished), + 20 mm for 1,600 mm legth (ends raw)



Ordering data

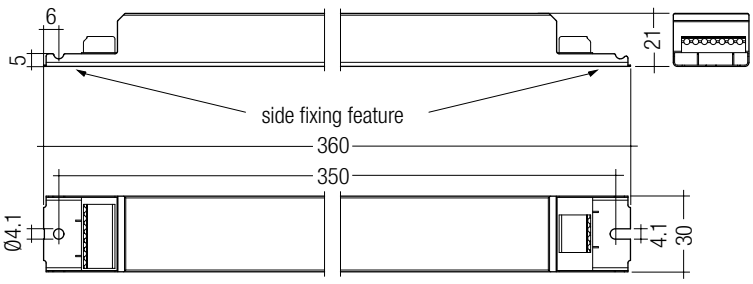
Type	Article number	Colour	Length	Pa-ckaging	Packaging carton	Weight per pc.
LINEAR COVER SY Transparent 1600mm	**28000338**	Transparent	1,600 mm	1 pc(s).	147 pc(s).	0.272 kg
LINEAR COVER SY Frosted 1600mm	**28000339**	Semi-transparent	1,600 mm	1 pc(s).	147 pc(s).	0.272 kg
LINEAR COVER SY Frosted 597mm	**28000340**	Semi-transparent	597 mm	1 pc(s).	180 pc(s).	0.102 kg
LINEAR COVER SY Diffuse 1600mm	**28000341**	Diffuse	1,600 mm	1 pc(s).	147 pc(s).	0.272 kg
LINEAR COVER SY Diffuse 597mm	**28000342**	Diffuse	597 mm	1 pc(s).	180 pc(s).	0.102 kg

IP20 SELV RoHS

TALEXmodule STARK LLE PREMIUM KIT – part 2

TALEXconverter LCAI TW lp system component





Product description

- LED control gear for LLE PREMIUM modules
- Output power: 38 or 75 W
- Connecting cable, cable cross-section 0.5 – 2.5 mm²
- Power input on stand-by < 0.3 W

Properties

- switchDIM (with memory function)
- colourSWITCH 3,000 – 6,000 K (with memory function)①
- DALI DEVICE type 8 for tunable white
- Noise-free precise control via switchDIM or DALI/DSI
- Powerless switching via a digital interface (no need for switching via mains)
- Intelligent Temperature Guard (protection against thermal damage)
- 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

Technical data

Rated supply voltage	220 – 240 V
Input voltage range, AC	198 – 264 V
Input voltage range, DC	170 – 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	90 %
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 %
Set up time (at 230 V 50 Hz)	< 0.5 s
Switchover time AC/DC and DC/AC	< 1 s
Leakage current (FE)	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	75 °C
Max. casing temperature tc (at life time 50,000 h) for 75 W	80 °C

① In DC operation the last set colour is used.

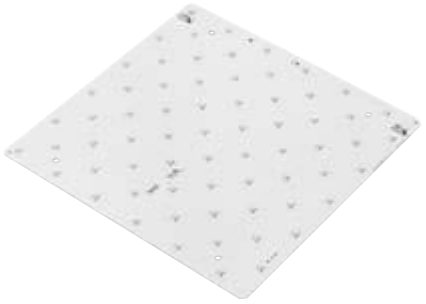
② No colourSWITCH at DC operation.

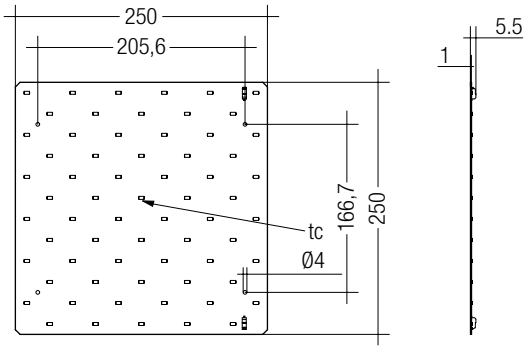
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For standards see data sheet

TALEXmodule STARK QLE GEN2 250-1250 CLASSIC

STARK QLE





Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,190 – 1,470 lm
- LED system solution with outstanding system efficiency up to 119 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 080/0350
- Efficiency of the module up to 131 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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	45 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

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For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

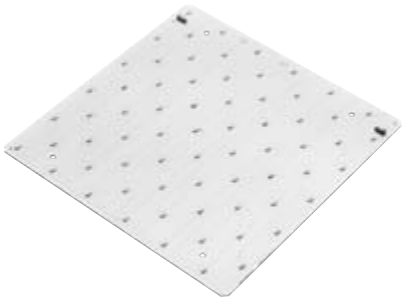
Ordering data

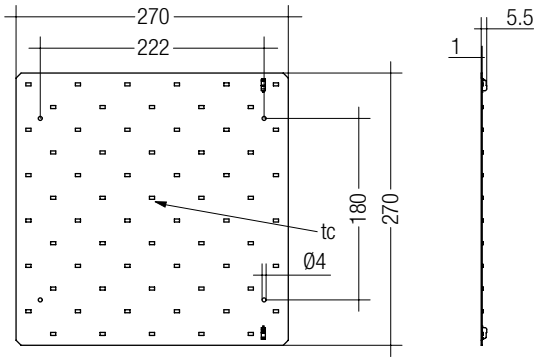
Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G2-250-1250-830-CLA	**28000243**	3,000 K	40 pc(s).	0.12 kg
STARK-QLE-G2-250-1250-840-CLA	**28000244**	4,000 K	40 pc(s).	0.12 kg

RoHS

TALEXmodule STARK QLE GEN2 270-1250 CLASSIC

STARK QLE





Product description

- Ideal for linear and panel lights
- Luminous flux range from 1,190 – 1,530 lm
- LED system solution with outstanding system efficiency up to 123 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 080/0350
- Efficiency of the module up to 136 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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 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 ... +55 °C
Typ. tp point	45 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

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For standards see data sheet

For specific technical data see data sheet

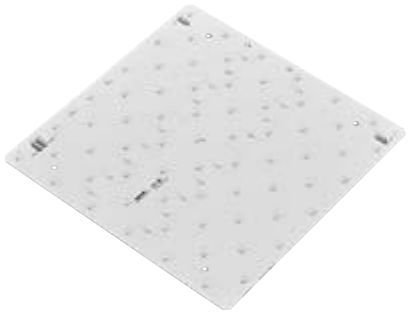
For colour temperatures and tolerances see data sheet

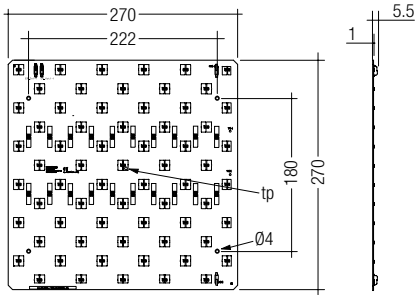
Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G2-1250-830-CLA	**28000142**	3,000 K	40 pc(s).	0.140 kg
STARK-QLE-G2-1250-840-CLA	**28000143**	4,000 K	40 pc(s).	0.285 kg
STARK-QLE-G2-1250-850-CLA	**28000169**	5,000 K	40 pc(s).	0.135 kg

TALEXmodule STARK QLE GEN2 270-1250 CLASSIC EM

STARK QLE





Product description

- Ideal for linear and panel lights
- Combined LED module for general and emergency lighting
- Luminous flux range from 1,190 – 1,470 lm
- Integrated separate emergency LEDs controlled by EM powerLED (2 or 4 W version)
- LED system solution with outstanding system efficiency up to 119 lm/W, consisting of linear LED module and dimmable LED control gear LCAI 080/0350
- Efficiency of the module up to 131 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 3)
- 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 system guarantee on the complete product

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

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For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Technical data

Beam characteristic	120°
Ambient temperature ta	-30 ... +55 °C
Typ. tp point	45 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

Ordering data

Type	Article number	Colour temperature	Packaging, carton	Weight per pc.
STARK-QLE-G2-1250-830-CLA-EM	**28000167**	3,000 K	40 pc(s).	0.142 kg
STARK-QLE-G2-1250-840-CLA-EM	**28000168**	4,000 K	40 pc(s).	0.142 kg

NEW

TALEXmodule STARK QLE 380-5000 CLASSIC

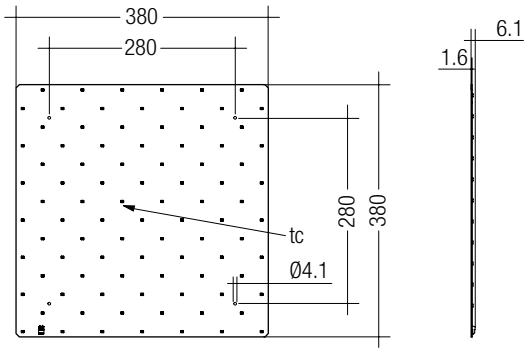
STARK QLE

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 modules and dimmable LED control gear 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)
- 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 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	-25 ... +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

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For standards see data sheet

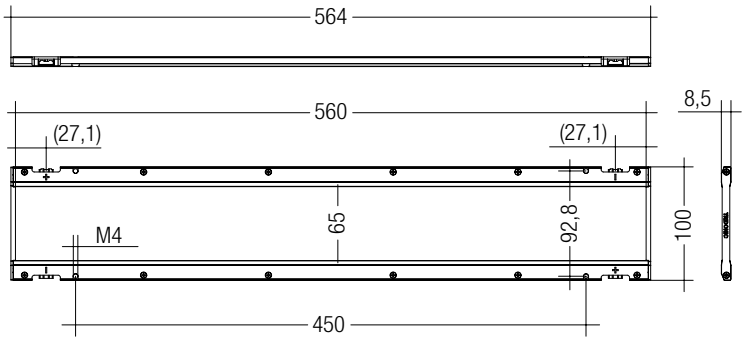
For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

TALEXmodule STARK INDI CLASSIC

STARK INDI





Product description

- Ideal for linear and panel lights
- Luminous flux range from 2,400 – 2,750 lm
- Very slim, homogenious illuminated LED module
- Indirect/direct light distribution 80/20 %
- Efficiency of the module up to 94 lm/W
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4)
- Colour temperatures 3,000 and 4,000 K
- Perfectly uniform light, even if several LED modules are used together in a line
- Connectors and preassembled cables for easy wiring
- Simple installation (e.g. screws)
- Long life time: 50,000 hours
- 5-year system guarantee on the complete product
- Self-cooling (no additional heat sink required)

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

Technical data

Beam characteristic	150°
Ambient temperature ta	-20 ... +35 °C
Typ. tp point	65 °C
Risk group (EN 62471:2008)	0
Type of protection	IP00

→

For standards see data sheet

For optional accessory see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Packaging	Packaging, carton	Weight per pc.
STARK-INDI-2500-830-CLA	**28000088**	3,000 K	2 pc(s).	20 pc(s).	0.54 kg
STARK-INDI-2500-840-CLA	**28000089**	4,000 K	2 pc(s).	20 pc(s).	0.54 kg

OLEDmodule LUREON REP 10

LUREON REP

Product description

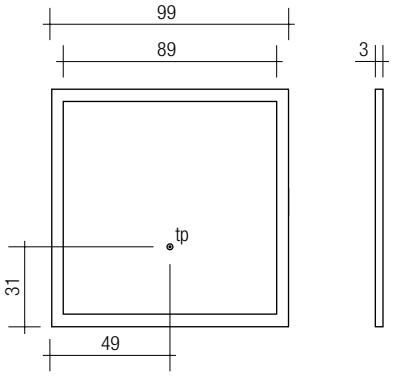
- Luminous flux 68 and 83 lm
- High efficiency ~40 lm/W
- Colour temperature 3,850 K
- High colour rendering index CRI > 80
- Small colour tolerance (MacAdam 4)
- Homogeneous, non-glare and wide-area lighting
- Dimmable neutral white light
- High specific light distribution of 9,000 lm/m²
- Extremely 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





The position of the tp point is on the backside of the module in the middle of the lable.

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For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

Ordering data

Type	Article number	Colour temperature	Type of connection	Packaging, carton	Weight per pc.
LUREON REP 10-40-DL	**28000052**	3,850 K	Cable	10 pc(s).	0.055 kg
LUREON REP 10-40-DC	**28000053**	3,850 K	Plug contact	10 pc(s).	0.055 kg

OLEDmodule LUREON REP 10-40-DC/DL 2

LUREON REP

Product description

- Luminous flux range from 73 – 109 lm
- Typ. forward current 230 mA
- High efficiency > 50 lm/W
- Colour temperature 4,000 K
- High colour rendering index CRI > 85
- 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

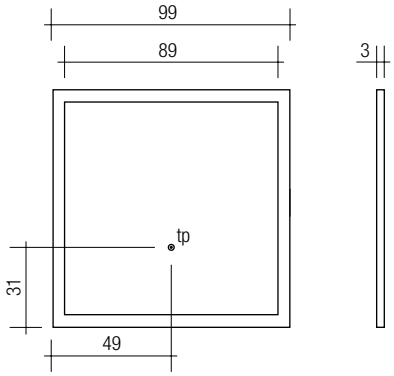
→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





The position of the tp point is on the backside of the module in the middle of the lable.

Ordering data

Type	Article number	Colour temperature	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

NEW

OLEDmodule LUREON REP 20w5-40-DL/DC

LUREON REP

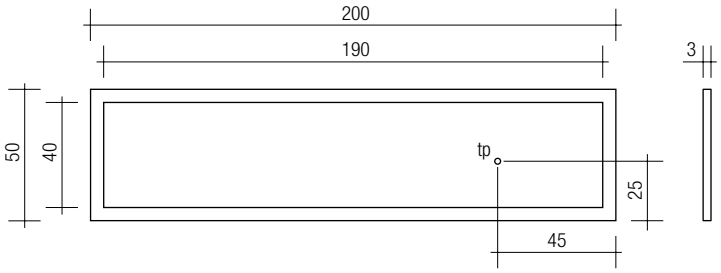
Product description

- Luminous flux range from 70 – 104 lm
- 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 surfaces
- 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



The position of the tp point is on the backside of the module in the middle of the lable.

→

For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet

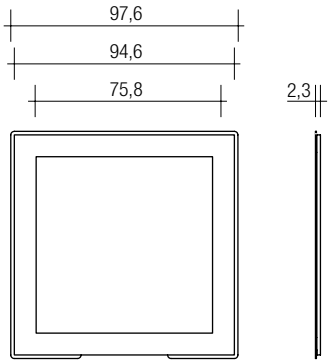
Ordering data

Type	Article number	Colour temperature	Type of connection	Packaging, carton	Weight per pc.
LUREON REP 20w5-40-DL	**28000318**	4,000 K	Cable	10 pc(s).	0.055 kg
LUREON REP 20w5-40-DC	**28000317**	4,000 K	Plug contact	10 pc(s).	0.055 kg

OLEDmodule LUREON REM 10-30-DL

LUREON REM





The position of the tp point is on the backside of the module in the middle of the lable.

Product description

- Luminous flux range from 41 – 66 lm
- 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/m^2
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable

→ 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 specific technical data 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

OLEDmodule LUREON REM 15-30-DL

LUREON REM

Product description

- Luminous flux range from 109 – 153 lm
- 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

Technical data

Beam characteristic	120°
Ambient temperature ta	0 ... +40 °C
Typ. tp point	40 °C
Risk group (EN 62471:2008)	0

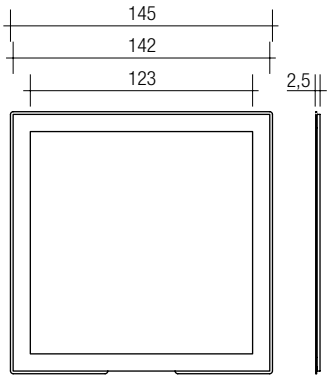
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For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





The position of the tp point is on the backside of the module in the middle of the lable.

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

OLEDmodule LUREON REM 29w9-30-DL

LUREON REM

Product description

- Luminous flux range from 106 – 206 lm
- 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/m^2
- Extremely flat design (< 3 mm)
- White diffuse surface
- Connection with cable

→ 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

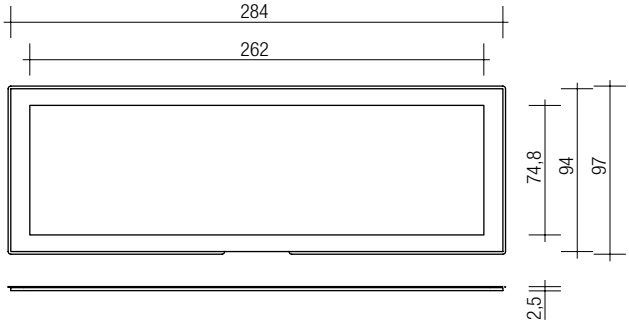
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For standards see data sheet

For specific technical data see data sheet

For colour temperatures and tolerances see data sheet





The position of the tp point is on the backside of the module in the middle of the lable.

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

Electronic fixed output

Overview
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Fixed-output electronic ballasts for fluorescent lamps Page 233

PC PRO
PC PRO T5
PC T5 PRO lp, PC TCL PRO lp, 14 – 80 W Page 236
PC PRO T8
PC T8 PRO lp, PC T8 PRO sl, 18 – 58 W Page 238
PC T8 PRO, 30 – 70 W Page 240
PC T8 PRO sc, 36 – 58 W Page 241
PC PRO compact
PC TCL PRO, 18 – 55 W Page 242
PC DD PRO sc, 28 – 55 W Page 244
PC TC PRO, 1/2x9 – 70 W Page 245
PC TC PRO sr+, 1/2x11 – 42 W Page 247
PC TC PRO sr, 1/2x11 – 42 W Page 249

PC TOP
PC TOP T5
PC T5 TOP lp, 14 – 54 W Page 251
PC TOP T8
PC T8 TOP lp, PC T8 TOP sl, 18 – 58 W Page 253
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PC TC TOP, 18 – 42 W Page 255
PC TC TOP sr, 1/2x18 – 42 W Page 256

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Special applications

ECG for industrial applications

PC INDUSTRY, 35 – 80 W Page 260

Multi-lamp ECG

PC T5 PRO-M lp, 14 – 80 W Page 262

ECG for circuit power < 26 W

PC BASIC, 4 – 28 W Page 264

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Accessories

PC compact gear box Page 269

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Electronic dimming

Overview

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Digital dimmable ballasts for fluorescent lamps Page 289

Series EXCEL one4all

T5 linear lamps

PCA T5 EXCEL one4all lp xıtec II, 14 – 80 W Page 294

PCA T5 EXCEL one4all lp xıtec, 3x14/24 W and 4x14/24 W Page 296

T8 linear lamps

PCA T8 EXCEL one4all lp xıtec II, 18 – 58 W Page 298

PCA T8 EXCEL one4all lp xıtec, 36 – 58 W Page 300

PCA T8 EXCEL one4all lp xıtec, 3x18 W and 4x18 W Page 302

Compact lamps and T5c circular fluorescent lamp

PCA TC EXCEL one4all xıtec II, 11 – 57 W Page 303

PCA TCL EXCEL one4all c xıtec II, 18 – 24 W Page 303

PCA T5c EXCEL one4all xıtec II, 22 – 55 W Page 303

PCA TC-DD EXCEL one4all c xıtec II, 28 W Page 303

Series ECO

T5 linear lamps

PCA T5 ECO lp xitec II, 14 – 80 W Page 305

PCA T5 ECO lp xitec, 3x14/24 W and 4x14/24 W Page 307

T8 linear lamps

PCA T8 ECO lp xitec II, 18 – 58 W Page 308

PCA T8 ECO lp xitec, 36 – 58 W Page 310

PCA T8 ECO lp xitec, 3x18 W and 4x18 W Page 311

Compact lamps and T5c circular fluorescent lamp

PCA TC ECO xitec II, 11 – 57 W Page 312

PCA TCL ECO c xitec II, 18 – 24 W Page 312

PCA T5c ECO xitec II, 22 – 55 W Page 312

PCA TC-DD ECO c xitec II, 28 W Page 312

Series BASIC

T5 linear lamps

PCA T5 BASIC lp xitec II, 14 – 80 W Page 314

T8 linear lamps

PCA T8 BASIC lp xitec II, 18 – 58 W Page 316

Compact lamps and T5c circular fluorescent lamp

PCA TC BASIC xitec II, 11 – 57 W Page 318

PCA TCL BASIC c xitec II, 18 – 24 W Page 318

PCA T5c BASIC xitec II, 22 – 55 W Page 318

PCA TC-DD BASIC c xitec II, 28 W Page 318

Series EXCITE *

T5 linear lamps

PCA T5 EXCITE lp xitec, 3x14/24 W and 4x14/24 W Page 320

T8 linear lamps

PCA T8 EXCITE lp xitec, 3x18 W and 4x18 W Page 322

Accessories for xitec II ballasts

SMART sensors

SMART-Sensor 5D 19f Page 520

SMART-Sensor 5DP 19f Page 522

SMART-Sensor 5DPI 19f Page 524

SMART-Sensor 10DPI 19f Page 527

SMART plugs

SMART Plug cF Page 323

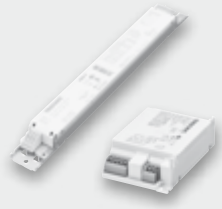
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SMART Plug Ma Page 325

Wiring diagrams and installation examples Page 326

* The PCA EXCITE series is based on the xitec I platform and exclusively comprises the three and four-lamp versions for T5 and T8 fluorescent lamps.

Product overview



PC PRO
Lamp types: T5, T8, TC-L, TC-F, TC-S, TC-D, TC-T, TC-DD, T5c

Premium performance and lifetime
- Exceptionally precise lamp operation thanks to xitec II
- Highest energy efficiency class A2 BAT
- Intelligent Voltage Guard (IVG)
- Versions for almost all fluorescent lamp types



PC TOP
Lamp types: T5, T8, TC-L, TC-D, TC-T

Optimised for standard applications
- Meets the major market requirements
- Energy efficiency class A2
- Plug terminal for automatic wiring
- Versions for almost all fluorescent lamp types



PC TEC
Lamp types: T5, T8, TC-L

All you need to operate a lamp safely
- The ideal entry-level ECG
- Simple and compact
- Energy efficiency class A2/A3
- Reduced preheating



PC INDUSTRY
Lamp types: T5, T8

Designed to resist – reliable under harshest conditions
- For constant operation with a life of up to 200,000 hours
- Protected against power disruptions of up to 4,000 V
- Intelligent Voltage Guard (IVG)
- 8-year guarantee



PC PRO-M
Lamp types: T5, T8, TC-L, TC-F, T5c

Multi-lamp management keeps your range lean
- Intelligent lamp detection – 5 versions for more than 25 lamp types
- Greater flexibility for users, designers and manufacturers
- Easier logistics and storage
- Intelligent Voltage Guard (IVG)



PC BASIC
Lamp types: T5, T8, TC-L, TC-F, TC-S, TC-D, TC-T, TC-DD, T5c

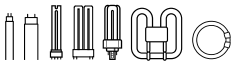
Small and flexible
- Extra small dimensions for compact installations
- Suitable for almost all lamps from 5 to 26 W
- Energy efficiency class A2/A3
- Versions without casings are available as options



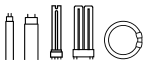
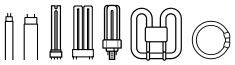
Accessories

Mounting components
- PC compact gear box

Product / function matrix

Portfolio		Standard applications		
		PC PRO	PC TOP	PC TEC
High efficiency	CELMA energy efficiency class	A2 BAT	A2	A2
	High-precision hot start for optimum lamp life	yes	yes	yes
High level of safety	Intelligent Voltage Guard for continuous monitoring of mains voltage	yes		
Competence in lamp operation	Intelligent detection of more than 25 lamp types			
	Number of starts without lamp replacement	50,000	30,000	up to 30,000 ①
	Compatible lamp types			
	High-precision lamp operation with tolerance adjustment	yes		
	Controlled lamp operation (lamp current, lamp wattage)			
	Lamp operation with fixed frequency		yes	
	Automatic restart after lamp replacement	yes	yes	yes
	Constant luminous flux even in case of mains fluctuations	yes	yes	
High degree of flexibility	Nominal life time at t_a = 50 °C	up to 100,000 ①	50,000 h	30,000 h
	Failure rate	0.1 % / 1,000 h	0.2 % / 1,000 h	0.3 % / 1,000 h
	Ambient temperature range	-25 up to +80 °C ①	-20 up to +55 °C	-10 up to +50 °C ①
	Mains voltage	220 – 240 V 0/50/60 Hz	220 – 240 V 0/50/60 Hz	220 – 240 V 50/60 Hz
High quality	Approval marks			
	Guarantee	5 years	5 years	3 years
	Sustainability (ecolution)			

① depending on the model

Portfolio		Special applications		
		PC INDUSTRY	PC PRO-M	PC BASIC
High efficiency	CELMA energy efficiency class	A2	A2	A2
	High-precision hot start for optimum lamp life	yes	yes	yes
High level of safety	Intelligent Voltage Guard for continuous monitoring of mains voltage	yes	yes	
Competence in lamp operation	Intelligent detection of more than 25 lamp types		yes	
	Number of starts without lamp replacement	50,000	50,000	25,000
	Compatible lamp types			
	High-precision lamp operation with tolerance adjustment			
	Controlled lamp operation (lamp current, lamp wattage)	yes	yes	
	Lamp operation with fixed frequency			yes
	Automatic restart after lamp replacement	yes	yes	yes
	Constant luminous flux even in case of mains fluctuations	yes	yes	
High degree of flexibility	Nominal life time at t_a = 50 °C	up to 200,000 h	up to 100,000 h	50,000 h
	Failure rate	0.05 % / 1,000 h	0.1 % / 1,000 h	0.2 % / 1,000 h
	Ambient temperature range	-30 up to +70 °C [1]	-25 up to +65 °C [1]	-25 up to +60 °C [1]
	Mains voltage	220 – 240 V 0/50/60 Hz	220 – 240 V 0/50/60 Hz	220 – 240 V 0/50/60 Hz
High quality	Approval marks			
	Guarantee	8 years	5 years	5 years
	Sustainability (ecolution)			

[1] depending on the model

Lamp matrix PC PRO linear

	Series	T5 PRO														T8 PRO													
	Article number	22185147	22185148	22185211	22185149	22185150	22185212	22185151	22185152	22185153	22185154	22185155	22185156	22185286	22185209	22185210	22185213	22185216	22185219	22176077	22176078	22185214	22185217	22176231	22185215	22185218	22176171	22176232	89800008	89800009
	Type	PC 1x14-35 T5 PRO lp	PC 2x14-35 T5 PRO lp	PC 3/4x14 T5 PRO lp	PC 1x24 T5 PRO lp	PC 2x24 T5 PRO lp	PC 3/4x24 T5 PRO lp	PC 1x39 T5 PRO lp	PC 2x39 T5 PRO lp	PC 1x49 T5 PRO lp	PC 2x49 T5 PRO lp	PC 1x54 T5 PRO lp	PC 2x54 T5 PRO lp	PC 2x55 TCL PRO lp	PC 1x80 T5 PRO lp	PC 2x80 T5 PRO lp	PC 1x18 T8 PRO lp	PC 2x18 T8 PRO lp	PC 3/4x18 T8 PRO lp	PC 1/30 T8 PRO	PC 2/30 T8 PRO	PC 1x36 T8 PRO lp	PC 2x36 T8 PRO sl	PC 3/36 T8 PRO	PC 1x58 T8 PRO lp	PC 2x58 T8 PRO sl	PC 1/70 T8 PRO	PC 2/70 T8 PRO	PC 1/36 T8 PRO sc	PC 1/58 T8 PRO sc
Lamp	W / mm	Cap																												
T5	4 / 136	G5																												
	6 / 212	G5																												
	8 / 288	G5																												
	13 / 517	G5																												
	14 / 549	G5	●	●	●																									
	21 / 849	G5	●	●																										
	24 / 549	G5				●	●	●																						
	28 / 1,149	G5	●	●																										
	35 / 1,449	G5	●	●																										
	39 / 849	G5							●	●																				
	49 / 1,449	G5									●	●																		
	54 / 1,149	G5											●	●																
	80 / 1,449	G5													●	●														
T8	18 / 590	G13						●									●	●	●											
	30 / 895	G13																		●	●									
	36 / 1,200	G13																				●	●	●					●	
	38 / 1,047	G13																												
	58 / 1,500	G13																							●	●				●
	70 / 1,800	G13																									●	●		
TC-L	18	2G11																												
TC-L	24	2G11				●	●																							
TC-L HE	28	2GX11	●	●																										
TC-L	36	2G11																											●	
TC-L	40	2G11																												
TC-L	55	2G11												●	●										●	●				
TC-L	80	2G11																												
TC-F	18	2G10																												
	24	2G10																												
	36	2G10																											●	

• ENEC ▼ VDE ◆ OVE ○ only single lamp operation possible

Lamp matrix PC TOP / PC TEC linear

	Series		T5 TOP													T8 TOP							T5 TEC							T8 TEC								
	Article number		22185157	22185158	87500292	22185220	22185159	22185160	22185221	22185161	22185162	22185163	22185164	22185165	22185166	22185222	22185225	22185228	22185223	22185226	22185224	22185227	87500211	87500212	87500213	87500214	87500217	87500215	87500216	87500255	87500256	87500257	87500258	87500259	87500260	87500150	87500151
	Type		PC 1x14-35 T5 TOP lp	PC 2x14-28 T5 TOP lp	PC 2x35 T5 TOP lp	PC 3/4x14 T5 TOP lp	PC 1x24 T5 TOP lp	PC 2x24 T5 TOP lp	PC 3/4x24 T5 TOP lp	PC 1x39 T5 TOP lp	PC 2x39 T5 TOP lp	PC 1x49 T5 TOP lp	PC 2x49 T5 TOP lp	PC 1x54 T5 TOP lp	PC 2x54 T5 TOP lp	PC 1x18 T8 TOP sl	PC 2x18 T8 TOP sl	PC 3/4x18 T8 TOP lp	PC 1x36 T8 TOP sl	PC 2x36 T8 TOP sl	PC 1x58 T8 TOP sl	PC 2x58 T8 TOP sl	PC 1x14 T5 TEC lp	PC 2x14 T5 TEC lp	PC 3x14 T5 TEC lp	PC 4x14 T5 TEC lp	PC 1x21 T5 TEC lp	PC 1x28 T5 TEC lp	PC 2x28 T5 TEC lp	PC 1x18 T8 TEC	PC 2x18 T8 TEC	PC 4x18 T8 TEC	PC 1x36 T8 TEC	PC 2x36 T8 TEC	PC 2x36/4x18 T8 TEC	PC 1x58 T8 TEC	PC 2x58 T8 TEC
Lamp	W / mm	Cap																																				
T5	4 / 136	G5																																				
	6 / 212	G5																																				
	8 / 288	G5																																				
	13 / 517	G5																																				
	14 / 549	G5	●	●		●																	◆	◆	◆	◆												
	21 / 849	G5	●	●																							◆											
	24 / 549	G5					●	●	●																													
	28 / 1,149	G5	●	●																								◆	◆									
	35 / 1,449	G5	●		●																																	
	39 / 849	G5								●	●																											
	49 / 1,449	G5										●	●																									
	54 / 1,149	G5												●	●																							
	80 / 1,449	G5																																				
T8	18 / 590	G13														●	●	●												◆	◆	◆			◆			
	30 / 895	G13																																				
	36 / 1,200	G13																	●	●													◆	◆	◆			
	38 / 1,047	G13																																				
	58 / 1,500	G13																			●	●														◆	◆
	70 / 1,800	G13																																				
TC-L	18	2G11																												◆	◆	◆			◆			
TC-L	24	2G11																																				
TC-L HE	28	2GX11																																				
TC-L	36	2G11																															◆	◆	◆			
TC-L	40	2G11																																				
TC-L	55	2G11																																		◆	◆
TC-L	80	2G11																																				
TC-F	18	2G10																																				
	24	2G10																																				
	36	2G10																																				

The latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at:
www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

Lamp matrix PC PRO compact

	Series		TCL PRO								DD PRO			TC PRO ①						TC TOP ②			
	Article number		22176068	22176069	22176141	22176170	22176142	22176143	22176169	22176233	89800004	89800005	89800006	22176405	22176406	22176407	22176408	22176410	22176409	28000073	28000075	28000074	28000076
	Type		PC 1/18-24 TCL PRO	PC 2/18-24 TCL PRO	PC 1/36 TCL PRO	PC 2/36 TCL PRO	PC 1/40 TCL PRO	PC 2/40 TCL PRO	PC 1/55 TCL PRO	PC 2/55 TCL PRO	PC 1/28 DD PRO sc	PC 1/38 DD PRO sc	PC 1/55 DD PRO sc	PC 1/2x9-13 TC PRO	PC 1/2x11-17 TC PRO	PC 1/2x18 TC PRO	PC 1/2x26-42 TC PRO	PC 2x26-42 TC PRO	PC 1x57-70 TC PRO	PC 1x18 TC TOP	PC 1x26-42 TC TOP	PC 2x18 TC TOP	PC 2x26 TC TOP
Lamp		W / mm	Cap																				
T8		38 / 1,047	G13			●	●																
TC-L		18	2G11	●	●												●	●					
TC-L		24	2G11	●	●												●	●					
TC-L		36	2G11			●	●																
TC-L		40	2G11					●	●														
TC-L		55	2G11							●	●												
TC-F		18	2G10														●	●					
		24	2G10														●	●					
TC-SEL		9	2G7											●									
		11	2G7											●									
TC-DEL		10	G24q-1											●									
		13	G24q-1											●									
		18	G24q-2													●				●		●	
		26	G24q-3														●	●			●		●
TC-TEL HE		11	GR14q-1												●								
TC-TEL		13	GX24q-1											●									
TC-TEL HE		14	GR14q-1												●								
TC-TEL HE		17	GR14q-1												●								
TC-TEL		18	GX24q-2													●				●		●	
TC-TEL		26	GX24q-3														●	●			●		●
TC-TEL		32	GX24q-3														○	●			●		
TC-TEL		42	GX24q-4														○	●			●		
TC-TEL		57	GX24q-5																●				
TC-TEL		70	GX24q-6																●				
T5-Circline		22 / Ø 230	2GX13														●	●					
		22 + 40	2GX13															●					
		40 / Ø 305	2GX13														○	●					
TC-DD		28	GR10q								●												
		38	GR10q									●											
		55	GR10q										●										

• ENEC ▼ VDE ◆OVE ○ only single lamp operation possible

① Applies also for the product families PC TC PRO sr+ and PC TC PRO sr.
② Applies also for the product families PC TC TOP sr.

Lamp matrix products for special applications

	Series		PC INDUSTRY												PC PRO-M					PC BASIC											
	Article number		86459171	86459172	86458039	86458040	86458041	86458042	86458043	86458044	86458035	86458036	86458037	86458038	22176182	22176183	22176184	22176185	22176186	22176026	24138831	24138834	24138830	24138833	22176001	22176000	24138829	24138832	22176208	22176002
	Type		PC 1/35 T5 INDUSTRY	PC 2/35 T5 INDUSTRY	PC 1/49 T5 INDUSTRY	PC 2/49 T5 INDUSTRY	PC 1/54 T5 INDUSTRY	PC 2/54 T5 INDUSTRY	PC 1/80 T5 INDUSTRY	PC 2/80 T5 INDUSTRY	PC 1/36 T8 INDUSTRY	PC 2/36 T8 INDUSTRY	PC 1/58 T8 INDUSTRY	PC 2/58 T8 INDUSTRY	PC 1/14-35/24/39 T5 PRO-M lp	PC 1/14-35/49/54 T5 PRO-M lp	PC 1/14-35/49/80 T5 PRO-M lp	PC 2/14-21/24/39 T5 PRO-M lp	PC 2/14-35/49/54 T5 PRO-M lp	PC 1x8W Basic sl	PC 1x4-13W Basic	PC 1x4-13W Basic sl	PC 1x5-16W Basic	PC 1x5-16W Basic sl	PC 1x14-21W Basic sl	PC 1x18-24W Basic sl	PC 1x18W Basic	PC 1x18W Basic sl	PC 1x26W Basic	PC 1x26W Basic sl
Lamp		W / mm	Cap																											
T5		4 / 136	G5																		▼	▼								
		6 / 212	G5																		▼	▼								
		8 / 288	G5																	●	▼	▼								
		13 / 517	G5																		▼	▼								
		14 / 549	G5												●	●	●	●	●						▼					
		21 / 849	G5												●	●	●	●	●						▼					
		24 / 549	G5												●			●								▼				
		28 / 1,149	G5	●	●										●	●	●		●											
		35 / 1,449	G5	●	●										●	●	●		●											
		39 / 849	G5												●			●												
		49 / 1,449	G5			●	●									●	●		●											
		54 / 1,149	G5					●	●							●			●											
		80 / 1,449	G5							●	●						●													
T8		18 / 590	G13												●			●								▼				
		30 / 895	G13												●															
		36 / 1,200	G13								●	●			●			●												
		38 / 1,047	G13																											
		58 / 1,500	G13										●	●		●			●											
		70 / 1,800	G13																											
TC-L		18	2G11												●			●								▼				
TC-L		24	2G11												●			●								▼				
TC-L HE		28	2GX11																											
TC-L		36	2G11												●			●												
TC-L		40	2G11												●			●												
TC-L		55	2G11														●													
TC-L		80	2G11														●													
TC-F		18	2G10												●			●								▼				
		24	2G10												●			●								▼				
		36	2G10												●			●												

The latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at:
www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

Lamp matrix products for special applications

	Series		PC INDUSTRY												PC PRO-M					PC BASIC											
	Article number		86459171	86459172	86458039	86458040	86458041	86458042	86458043	86458044	86458035	86458036	86458037	86458038	22176182	22176183	22176184	22176185	22176186	22176026	24138831	24138834	24138830	24138833	22176001	22176000	24138829	24138832	22176208	22176002
	Type		PC 1/35 T5 INDUSTRY	PC 2/35 T5 INDUSTRY	PC 1/49 T5 INDUSTRY	PC 2/49 T5 INDUSTRY	PC 1/54 T5 INDUSTRY	PC 2/54 T5 INDUSTRY	PC 1/80 T5 INDUSTRY	PC 2/80 T5 INDUSTRY	PC 1/36 T8 INDUSTRY	PC 2/36 T8 INDUSTRY	PC 1/58 T8 INDUSTRY	PC 2/58 T8 INDUSTRY	PC 1/14-35/24/39 T5 PRO-M lp	PC 1/14-35/49/54 T5 PRO-M lp	PC 1/14-35/49/80 T5 PRO-M lp	PC 2/14-21/24/39 T5 PRO-M lp	PC 2/14-35/49/54 T5 PRO-M lp	PC 1x8W Basic sl	PC 1x4-13W Basic	PC 1x4-13W Basic sl	PC 1x5-16W Basic	PC 1x5-16W Basic sl	PC 1x14-21W Basic sl	PC 1x18-24W Basic sl	PC 1x18W Basic	PC 1x18W Basic sl	PC 1x26W Basic	PC 1x26W Basic sl
Lamp		W / mm	Cap																											
TC-SEL		5	2G7																				▼	▼						
		7	2G7																				▼	▼						
		9	2G7																				▼	▼						
		11	2G7																				▼	▼						
TC-DEL		10	G24q-1																				▼	▼						
		13	G24q-1																				▼	▼						
		18	G24q-2																								▼	▼		
		26	G24q-3																										▼	▼
TC-TEL HE		11	GR14q-1																											
TC-TEL		13	GX24q-1																				▼	▼						
TC-TEL HE		14	GR14q-1																											
TC-TEL HE		17	GR14q-1																											
TC-TEL		18	GX24q-2																								▼	▼		
TC-TEL		26	GX24q-3																										▼	▼
TC-TEL		32	GX24q-3																											
TC-TEL		42	GX24q-4																											
TC-TEL		57	GX24q-5																											
TC-TEL		70	GX24q-6																											
T5-Circline		22 / Ø 230	2GX13												●			●								▼				
		22 + 40	2GX13																											
		40 / Ø 305	2GX13												●			●												
		55 / Ø 305	2GX13														●													
TC-DD		10	GR10q																		▼	▼								
		16	GR10q																				▼	▼						
		28	GR10q																											
		38	GR10q																											
		55	GR10q																											

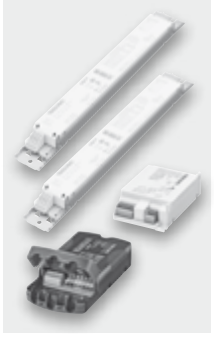
The latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at:
www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

• ENEC ▼ VDE ◆ OVE o only single lamp operation possible

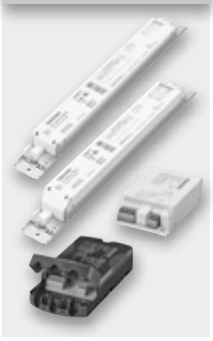
Fixed-output electronic ballasts for fluorescent lamps

With the new generation of electronic ballasts, Tridonic has achieved a new level of reliability: never before has it been so easy to extend the functions and increase the service life of fluorescent lamps and luminaires. An intelligent variety of products means the right solution for every application.

PC PRO



PC TOP



PC TEC



PC INDUSTRY



PC PRO-M



PC BASIC



The wide portfolio of products covers all applications with T5, T8 and compact fluorescent lamps. Apart from their reliability, of course, the common denominator of all the members of this family is their high energy efficiency.

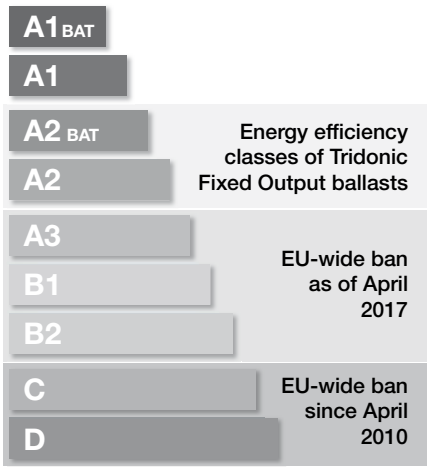
PC PRO, PC TOP and PC TEC are three different product families in the standard Tridonic product portfolio for meeting individual market requirements.

The PC INDUSTRY, PC PRO-M and PC BASIC product groups are available for special requirements and applications.

Impressive economy and efficiency
Electronic control gear (ECG) operates lamps with high-frequency voltages and currents (over 40 kHz). Compared with magnetic ballasts, which usually operate at 50 or 60 Hz, they produce greater luminous flux (around 10 % higher).

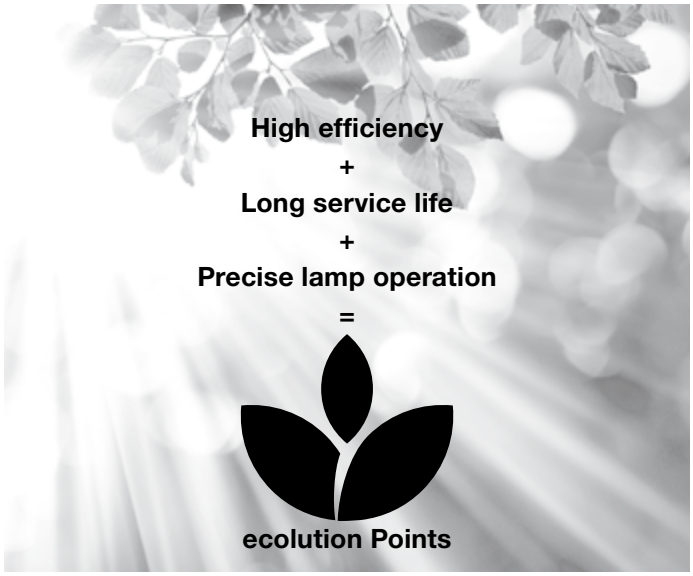
Or put another way, to produce the same luminous flux they need 10 % lower lamp wattage. Another argument for the high economy of ECGs is their low power loss. It is less than 10 % of lamp output. The low thermal output of the devices helps reduce the luminaire temperature and increase the efficiency of the luminaire. Overall, a luminaire system with ECGs therefore consumes up to 25 % less energy than a system with magnetic ballasts.

In Europe, magnetic ballasts for fluorescent lamps will be generally banned from sale from 2017 onwards.



The new generation of ECGs has been designed to reduce the power losses during operation still further and also optimise the overall energy balance of the ballast from manufacture to disposal.

They have been placed in energy efficiency classes A2 BAT, A2 and A3, which means they keep the energy consumption of the luminaires they operate to a minimum. The sustainability of the various Tridonic electronic ballasts is also rated with “ecolution points” in the functional overview. (For details see page 226)



Gentle hot restart and long life
ECGs provide the basis for reliable lamp operation with preheating of the lamp electrodes in accordance with the manufacturer’s specifications, a sufficiently high ignition voltage and limitation of the lamp discharge current. Hot restarts under defined conditions protect the lamps and increase their life significantly compared with magnetic starter operation. Luminaires operated on innovative control gear from Tridonic can therefore be used in conjunction with presence sensors.

Hot restarts reduce the cost of replacing the lamps and also reduce the cost of maintaining the lighting system thanks to longer maintenance intervals. High-quality components, intelligent circuit design and extensive testing under rated conditions give ballasts from Tridonic their special character. The average life of PC PRO devices for example is up to 100,000 hours at a reliability of more than 90 %. This means that for every 1,000 hours of operation the nominal failure rate is only 0.1 %.

Lighting comfort and quality
High-frequency operation of fluorescent lamps improves the quality of light and makes the lighting more comfortable on the eye. There is no flickering during operation, and therefore no stroboscopic effects.

x!tec II processor technology, specially developed by Tridonic, offers added value and increases flexibility. The new x!tec II ASIC is an in-house innovation that enables us to react quickly to market developments and customer requirements.



The new generation of chips takes us to a new level of precision in lamp operation – thanks to the intelligent balancing of the various operating parameters.

Standard ballasts generally have a fixed operating point. All the tolerances of the electronic components add up and cannot be compensated. x!tec II solves this problem: Each device that leaves the factory is checked and precisely adjusted. This ensures that the individual components with their different tolerances are perfectly matched to one another. Based on these exact operating parameters, the electronic chip can now operate the lamp with the maximum possible precision.

The greater integration of functions means that the number of components needed can be further reduced. This in turn cuts down on possible sources of errors and improves the reliability of the devices.

The ASIC is also responsible for disconnecting a lamp automatically from the power supply if the lamp develops a fault or comes to the end of its life. The device does not waste energy on futile ignition attempts and therefore does not cause any problems with flickering. Replacement lamps are automatically started.

Emergency lighting systems
Most electronic PC ballasts can be operated on AC or DC voltage and can be used in emergency luminaires in accordance with EN 50172. This means there is no need for a separate emergency lighting system.

Constant high quality
The consistently high quality and reliability of the Tridonic PC ballasts is guaranteed by the use of high-grade materials together with manufacturing processes certified to ISO 9001. Fully automatic manufacture ensures constant reproducible quality. All the ballasts are subjected to 100 % final testing and safety testing.

Lamp matrix
Which control gear for which lamp?
The latest lamp matrix is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “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”

T5 TC-L

PC T5 PRO Ip, PC TCL PRO Ip, 14 – 80 W

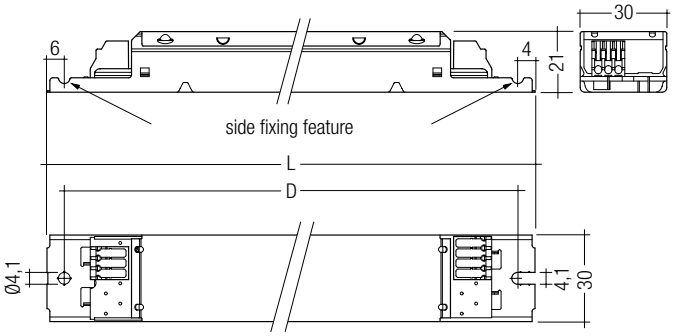
PC PRO T5

Product description

- Highest CELMA Energy Efficiency Index A2 BAT
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.1 % per 1,000 h)
- Large temperature range (for values see table)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Precise lamp operation using adjustment of lamp parameters
- Advanced SMART-Heating for min. 50,000 starts without replacement of lamps
- Constant luminous flux irrespective of fluctuations in mains voltage
- Designed for THD < 10 %
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life (EOL 2)
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 39.5 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 228

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1x14-35 T5 PRO Ip	**22185147**	10 pc(s).	960 pc(s).	0.165 kg
PC 1x24 T5 PRO Ip	**22185149**	10 pc(s).	960 pc(s).	0.165 kg
PC 1x39 T5 PRO Ip	**22185151**	10 pc(s).	960 pc(s).	0.165 kg
PC 1x49 T5 PRO Ip	**22185153**	10 pc(s).	960 pc(s).	0.170 kg
PC 1x54 T5 PRO Ip	**22185155**	10 pc(s).	960 pc(s).	0.170 kg
PC 1x80 T5 PRO Ip	**22185209**	10 pc(s).	960 pc(s).	0.198 kg
For luminaires with 2 lamps				
PC 2x14-35 T5 PRO Ip	**22185148**	10 pc(s).	760 pc(s).	0.245 kg
PC 2x24 T5 PRO Ip	**22185150**	10 pc(s).	760 pc(s).	0.210 kg
PC 2x39 T5 PRO Ip	**22185152**	10 pc(s).	760 pc(s).	0.235 kg
PC 2x49 T5 PRO Ip	**22185154**	10 pc(s).	760 pc(s).	0.250 kg
PC 2x54 T5 PRO Ip	**22185156**	10 pc(s).	760 pc(s).	0.245 kg
PC 2x55 TCL PRO Ip	**22185286**	10 pc(s).	760 pc(s).	0.244 kg
PC 2x80 T5 PRO Ip	**22185210**	10 pc(s).	640 pc(s).	0.335 kg
For luminaires with 3 or 4 lamps				
PC 3/4x14 T5 PRO Ip	**22185211**	10 pc(s).	760 pc(s).	0.239 kg
PC 3/4x24 T5 PRO Ip	**22185212**	10 pc(s).	760 pc(s).	0.249 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
									220 V	240 V	220 V	240 V			
For luminaires with 1 lamp															
1 x 14 W	T5	**PC 1x14-35 T5 PRO lp**	22185147	280 x 30 x 21 mm	270 mm	14.7 W	16.7 W	A2 BAT	0.075 A	0.069 A	0.97	0.95	85 °C	-25 ... +80 °C	80/75 °C
1 x 21 W	T5	**PC 1x14-35 T5 PRO lp**	22185147	280 x 30 x 21 mm	270 mm	20.6 W	22.4 W	A2 BAT	0.101 A	0.092 A	0.97	0.95	85 °C	-25 ... +75 °C	80/70 °C
1 x 28 W	T5	**PC 1x14-35 T5 PRO lp**	22185147	280 x 30 x 21 mm	270 mm	27.9 W	30.4 W	A2 BAT	0.137 A	0.123 A	0.98	0.96	85 °C	-25 ... +75 °C	80/70 °C
1 x 35 W	T5	**PC 1x14-35 T5 PRO lp**	22185147	280 x 30 x 21 mm	270 mm	35.5 W	37.8 W	A2 BAT	0.170 A	0.153 A	0.99	0.97	80 °C	-25 ... +65 °C	75/60 °C
1 x 24 W	T5	**PC 1x24 T5 PRO lp**	22185149	280 x 30 x 21 mm	270 mm	22.5 W	24.8 W	A2 BAT	0.110 A	0.100 A	0.98	0.96	80 °C	-25 ... +70 °C	75/65 °C
1 x 24 W	TC-L	**PC 1x24 T5 PRO lp**	22185149	280 x 30 x 21 mm	270 mm	22.5 W	24.8 W	A2 BAT	0.110 A	0.100 A	0.98	0.96	80 °C	-25 ... +70 °C	75/65 °C
1 x 39 W	T5	**PC 1x39 T5 PRO lp**	22185151	280 x 30 x 21 mm	270 mm	38.0 W	40.2 W	A2 BAT	0.185 A	0.166 A	0.98	0.96	85 °C	-25 ... +70 °C	75/60 °C
1 x 49 W	T5	**PC 1x49 T5 PRO lp**	22185153	280 x 30 x 21 mm	270 mm	49.2 W	52.2 W	A2 BAT	0.235 A	0.211 A	0.98	0.96	80 °C	-25 ... +60 °C	75/55 °C
1 x 54 W	T5	**PC 1x54 T5 PRO lp**	22185155	280 x 30 x 21 mm	270 mm	54.1 W	57.0 W	A2 BAT	0.254 A	0.230 A	0.98	0.96	80 °C	-25 ... +60 °C	70/50 °C
1 x 80 W	T5	**PC 1x80 T5 PRO lp**	22185209	280 x 30 x 21 mm	270 mm	79.8 W	85.4 W	A2 BAT	0.396 A	0.363 A	0.99	0.97	80 °C	-25 ... +60 °C	75/55 °C
1 x 55 W	TC-L	**PC 1x80 T5 PRO lp**	22185209	280 x 30 x 21 mm	270 mm	55.0 W	58.9 W	A2 BAT	0.273 A	0.250 A	0.99	0.97	80 °C	-25 ... +65 °C	75/60 °C
For luminaires with 2 lamps															
2 x 14 W	T5	**PC 2x14-35 T5 PRO lp**	22185148	360 x 30 x 21 mm	350 mm	29.4 W	32.2 W	A2 BAT	0.143 A	0.130 A	0.97	0.95	85 °C	-25 ... +75 °C	80/70 °C
2 x 21 W	T5	**PC 2x14-35 T5 PRO lp**	22185148	360 x 30 x 21 mm	350 mm	41.2 W	46.2 W	A2 BAT	0.204 A	0.186 A	0.97	0.95	85 °C	-25 ... +70 °C	80/65 °C
2 x 28 W	T5	**PC 2x14-35 T5 PRO lp**	22185148	360 x 30 x 21 mm	350 mm	55.8 W	60.2 W	A2 BAT	0.277 A	0.249 A	0.98	0.96	80 °C	-25 ... +60 °C	75/55 °C
2 x 35 W	T5	**PC 2x14-35 T5 PRO lp**	22185148	360 x 30 x 21 mm	350 mm	71.0 W	76.0 W	A2 BAT	0.342 A	0.309 A	0.99	0.97	80 °C	-25 ... +55 °C	75/50 °C
2 x 24 W	T5	**PC 2x24 T5 PRO lp**	22185150	360 x 30 x 21 mm	350 mm	45.0 W	48.5 W	A2 BAT	0.218 A	0.196 A	0.98	0.96	85 °C	-25 ... +70 °C	75/60 °C
2 x 24 W	TC-L	**PC 2x24 T5 PRO lp**	22185150	360 x 30 x 21 mm	350 mm	45.0 W	48.5 W	A2 BAT	0.218 A	0.196 A	0.98	0.96	85 °C	-25 ... +70 °C	75/60 °C
2 x 39 W	T5	**PC 2x39 T5 PRO lp**	22185152	360 x 30 x 21 mm	350 mm	76.0 W	83.2 W	A2 BAT	0.371 A	0.333 A	0.98	0.96	80 °C	-25 ... +60 °C	70/50 °C
2 x 49 W	T5	**PC 2x49 T5 PRO lp**	22185154	360 x 30 x 21 mm	350 mm	98.4 W	106.0 W	A2 BAT	0.477 A	0.428 A	0.99	0.97	80 °C	-25 ... +55 °C	75/50 °C
2 x 54 W	T5	**PC 2x54 T5 PRO lp**	22185156	360 x 30 x 21 mm	350 mm	108.2 W	113.5 W	A2 BAT	0.518 A	0.465 A	0.99	0.97	80 °C	-25 ... +55 °C	75/50 °C
2 x 55 W	TC-L	**PC 2x55 TCL PRO lp**	22185286	360 x 30 x 21 mm	350 mm	110.0 W	119.0 W	A2 BAT	0.536 A	0.491 A	0.99	0.99	80 °C	-25 ... +55 °C	75/50 °C
2 x 80 W	T5	**PC 2x80 T5 PRO lp**	22185210	425 x 30 x 21 mm	415 mm	159.6 W	171.4 W	A2 BAT	0.787 A	0.721 A	0.99	0.98	85 °C	-25 ... +55 °C	80/50 °C
For luminaires with 3 or 4 lamps															
3 x 14 W	T5	**PC 3/4x14 T5 PRO lp**	22185211	360 x 30 x 21 mm	350 mm	42.0 W	47.0 W	A2 BAT	0.218 A	0.200 A	0.99	0.97	75 °C	-25 ... +60 °C	70/55 °C
4 x 14 W	T5	**PC 3/4x14 T5 PRO lp**	22185211	360 x 30 x 21 mm	350 mm	53.2 W	61.7 W	A2 BAT	0.292 A	0.268 A	0.99	0.97	75 °C	-25 ... +55 °C	70/50 °C
3 x 24 W	T5	**PC 3/4x24 T5 PRO lp**	22185212	360 x 30 x 21 mm	350 mm	70.9 W	75.0 W	A2 BAT	0.348 A	0.319 A	0.99	0.97	80 °C	-25 ... +60 °C	75/55 °C
4 x 24 W	T5	**PC 3/4x24 T5 PRO lp**	22185212	360 x 30 x 21 mm	350 mm	90.0 W	97.5 W	A2 BAT	0.452 A	0.415 A	0.99	0.97	80 °C	-25 ... +55 °C	75/50 °C
3 x 24 W	TC-L	**PC 3/4x24 T5 PRO lp**	22185212	360 x 30 x 21 mm	350 mm	70.9 W	75.0 W	A2 BAT	0.348 A	0.319 A	0.99	0.97	80 °C	-25 ... +60 °C	75/55 °C
4 x 24 W	TC-L	**PC 3/4x24 T5 PRO lp**	22185212	360 x 30 x 21 mm	350 mm	90.0 W	97.5 W	A2 BAT	0.452 A	0.415 A	0.99	0.97	80 °C	-25 ... +55 °C	75/50 °C

T8

PC T8 PRO sl, 18 – 58 W

PC PRO T8

Product description

- Highest possible energy class CELMA EEI = A2 BAT
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.1 % per 1,000 h)
- Large temperature range (for values see table)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Precise lamp operation using adjustment of lamp parameters
- Advanced SMART-Heating for min. 50,000 starts without replacement of lamps
- Constant luminous flux irrespective of fluctuations in mains voltage
- Designed for THD < 10 %
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life (EOL 2)
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 39.5 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 228

Wiring diagrams and installation examples, page 270



Fig. 1

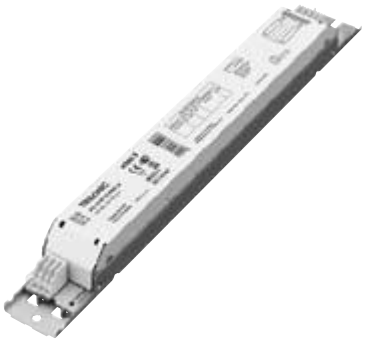


Fig. 2

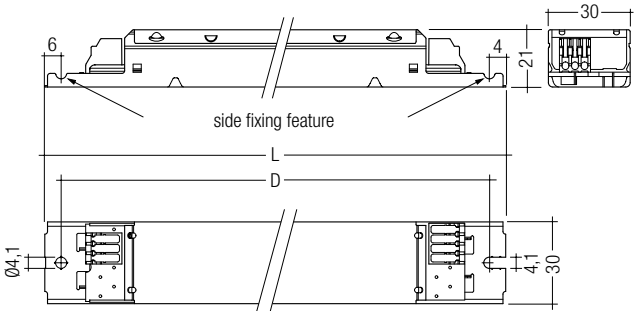


Fig. 1

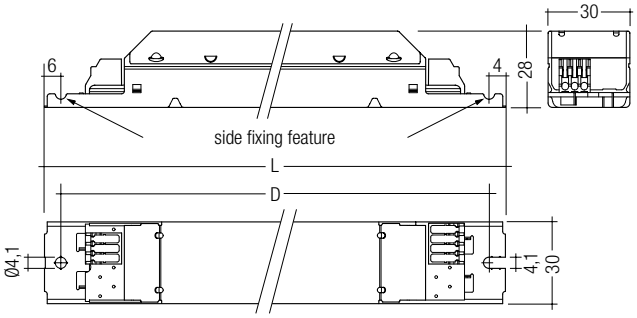


Fig. 2

Ordering data

Type	Article number	Fig.	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp						
PC 1x18 T8 PRO lp	**22185213**	1	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.146 kg
PC 1x36 T8 PRO lp	**22185214**	1	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.144 kg
PC 1x58 T8 PRO lp	**22185215**	1	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.144 kg
For luminaires with 2 lamps						
PC 2x18 T8 PRO lp	**22185216**	1	50 pc(s).	900 pc(s).	2,700 pc(s).	0.170 kg
PC 2x36 T8 PRO sl	**22185217**	2	50 pc(s).	900 pc(s).	2,700 pc(s).	0.211 kg
PC 2x58 T8 PRO sl	**22185218**	2	50 pc(s).	900 pc(s).	2,700 pc(s).	0.216 kg
For luminaires with 3 or 4 lamps						
PC 3/4x18 T8 PRO lp	**22185219**	1	10 pc(s).	960 pc(s).	–	0.192 kg

Specific technical data

Lamp wattage	Lamp type	**Type**	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
									220 V	240 V	220 V	240 V			
For luminaires with 1 lamp															
1 x 18 W	T8	**PC 1x18 T8 PRO lp**	22185213	230 x 30 x 21 mm	220 mm	16 W	18.3 W	A2 BAT	0.081 A	0.073 A	0.98	0.96	80 °C	-25 ... +70 °C	75/65 °C
1 x 36 W	T8	**PC 1x36 T8 PRO lp**	22185214	230 x 30 x 21 mm	220 mm	32 W	35.2 W	A2 BAT	0.158 A	0.142 A	0.99	0.97	75 °C	-25 ... +65 °C	70/60 °C
1 x 58 W	T8	**PC 1x58 T8 PRO lp**	22185215	230 x 30 x 21 mm	220 mm	50 W	54.5 W	A2 BAT	0.245 A	0.220 A	0.99	0.97	70 °C	-25 ... +55 °C	65/50 °C
For luminaires with 2 lamps															
2 x 18 W	T8	**PC 2x18 T8 PRO lp**	22185216	280 x 30 x 21 mm	270 mm	32 W	35.3 W	A2 BAT	0.159 A	0.143 A	0.99	0.97	80 °C	-25 ... +70 °C	75/65 °C
2 x 36 W	T8	**PC 2x36 T8 PRO sl**	22185217	280 x 30 x 28 mm	270 mm	64 W	70.7 W	A2 BAT	0.320 A	0.293 A	0.99	0.98	75 °C	-25 ... +60 °C	75/60 °C
2 x 58 W	T8	**PC 2x58 T8 PRO sl**	22185218	280 x 30 x 28 mm	270 mm	100 W	109.0 W	A2 BAT	0.490 A	0.445 A	0.99	0.98	75 °C	-25 ... +55 °C	70/50 °C
For luminaires with 3 or 4 lamps															
3 x 18 W	T8	**PC 3/4x18 T8 PRO lp**	22185219	280 x 30 x 28 mm	270 mm	48 W	53.2 W	A2 BAT	0.247 A	0.226 A	0.99	0.97	80 °C	-25 ... +70 °C	75/65 °C
4 x 18 W	T8	**PC 3/4x18 T8 PRO lp**	22185219	280 x 30 x 28 mm	270 mm	64 W	69.2 W	A2 BAT	0.321 A	0.294 A	0.99	0.97	80 °C	-25 ... +65 °C	75/60 °C

T8

PC T8 PRO, 30 – 70 W

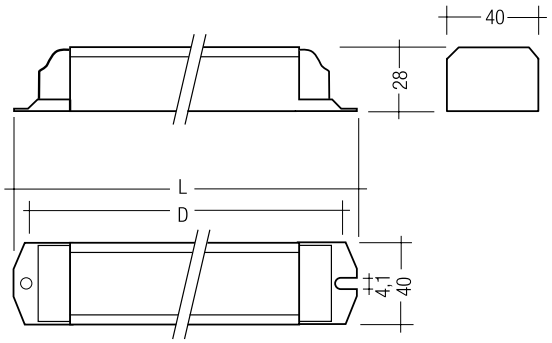
PC PRO T8

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1/30 T8 PRO	**22176077**	10 pc(s).	630 pc(s).	0.221 kg
PC 1/70 T8 PRO	**22176171**	10 pc(s).	630 pc(s).	0.202 kg
For luminaires with 2 lamps				
PC 2/30 T8 PRO	**22176078**	10 pc(s).	630 pc(s).	0.212 kg
PC 2/70 T8 PRO	**22176232**	10 pc(s).	420 pc(s).	0.318 kg
For luminaires with 3 lamps				
PC 3/36 T8 PRO	**22176231**	10 pc(s).	420 pc(s).	0.304 kg

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Product / function matrix, page 226

Lamp matrix, page 228

Wiring diagrams and installation examples, page 270

Specific technical data

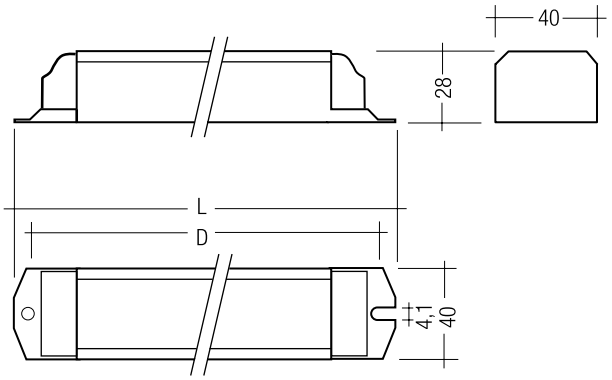
Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 30 W	T8	**PC 1/30 T8 PRO**	22176077	234 x 40 x 28 mm	220 mm	24 W	28.0 W	A2	0.13 A	0.12 A	0.97	0.96	75 °C	-25 ... +60 °C
1 x 70 W	T8	**PC 1/70 T8 PRO**	22176171	234 x 40 x 28 mm	220 mm	60 W	65.6 W	A2	0.30 A	0.28 A	0.99	0.98	75 °C	-25 ... +55 °C
For luminaires with 2 lamps														
2 x 30 W	T8	**PC 2/30 T8 PRO**	22176078	234 x 40 x 28 mm	220 mm	50 W	56.0 W	A2	0.26 A	0.24 A	0.97	0.96	75 °C	-25 ... +60 °C
2 x 70 W	T8	**PC 2/70 T8 PRO**	22176232	360 x 40 x 28 mm	350 mm	120 W	136.8 W	A2	0.62 A	0.57 A	0.99	0.99	70 °C	-25 ... +50 °C
For luminaires with 3 lamps														
3 x 36 W	T8	**PC 3/36 T8 PRO**	22176231	360 x 40 x 28 mm	350 mm	96 W	106.5 W	A2	0.51 A	0.47 A	0.99	0.98	70 °C	-25 ... +50 °C

T8

PC T8 PRO sc, 36 – 58 W

PC PRO T8





Product description

- CELMA Energy Efficiency Index A3
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1/36 T8 PRO sc	**89800008**	25 pc(s).	1,250 pc(s).	0.15 kg
PC 1/58 T8 PRO sc	**89800009**	25 pc(s).	1,250 pc(s).	0.15 kg

→

Product / function matrix, page 226

Lamp matrix, page 228

Wiring diagrams and installation examples, page 270

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 36 W	T8	**PC 1/36 T8 PRO sc**	89800008	150 x 40 x 28 mm	139 mm	31.8 W	37.1 W	A3	0.17 A	0.16 A	0.96	0.95	80 °C	-25 ... +60 °C
1 x 58 W	T8	**PC 1/58 T8 PRO sc**	89800009	150 x 40 x 28 mm	139 mm	48.7 W	56.0 W	A3	0.25 A	0.25 A	0.97	0.97	85 °C	-25 ... +60 °C

T8 TC-L

PC TCL PRO, 18 – 55 W

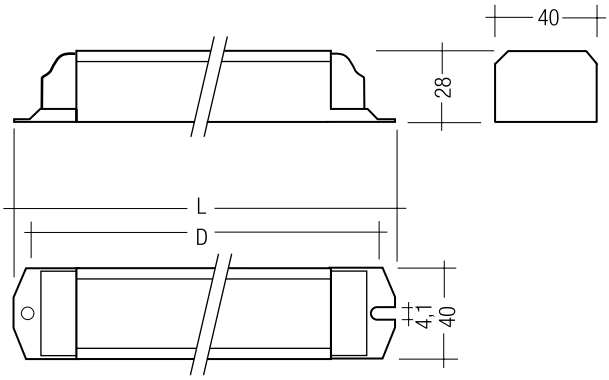
PC PRO compact

Product description

- CELMA Energy Efficiency Index A2 / A3
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1/18/24 TCL PRO	**22176068**	10 pc(s).	630 pc(s).	0.189 kg
PC 1/36 TCL PRO	**22176141**	10 pc(s).	630 pc(s).	0.179 kg
PC 1/40 TCL PRO	**22176142**	10 pc(s).	630 pc(s).	0.178 kg
PC 1/55 TCL PRO	**22176169**	10 pc(s).	630 pc(s).	0.199 kg
For luminaires with 2 lamps				
PC 2/18/24 TCL PRO	**22176069**	10 pc(s).	630 pc(s).	0.210 kg
PC 2/36 TCL PRO	**22176170**	10 pc(s).	630 pc(s).	0.220 kg
PC 2/40 TCL PRO	**22176143**	10 pc(s).	630 pc(s).	0.222 kg
PC 2/55 TCL PRO	**22176233**	10 pc(s).	420 pc(s).	0.303 kg

Specific technical data

Lamp wattage	Lamp type	**Type**	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 18 W	TC-L	**PC 1/18/24 TCL PRO**	22176068	234 x 40 x 28 mm	220 mm	16 W	18.5 W	A3	0.09 A	0.08 A	0.96	0.94	75 °C	-25 ... +60 °C
1 x 24 W	TC-L	**PC 1/18/24 TCL PRO**	22176068	234 x 40 x 28 mm	220 mm	22 W	25.0 W	A3	0.12 A	0.11 A	0.98	0.96	75 °C	-25 ... +60 °C
1 x 38 W	T8	**PC 1/36 TCL PRO**	22176141	234 x 40 x 28 mm	220 mm	32 W	34.2 W	A2	0.16 A	0.14 A	0.99	0.98	70 °C	-25 ... +60 °C
1 x 36 W	TC-L	**PC 1/36 TCL PRO**	22176141	234 x 40 x 28 mm	220 mm	32 W	33.8 W	A2	0.16 A	0.14 A	0.99	0.98	70 °C	-25 ... +60 °C
1 x 40 W	TC-L	**PC 1/40 TCL PRO**	22176142	234 x 40 x 28 mm	220 mm	40 W	44.1 W	A2	0.20 A	0.19 A	0.99	0.98	70 °C	-25 ... +60 °C
1 x 55 W	TC-L	**PC 1/55 TCL PRO**	22176169	234 x 40 x 28 mm	220 mm	55 W	61.1 W	A2	0.28 A	0.26 A	0.98	0.98	75 °C	-25 ... +55 °C
For luminaires with 2 lamps														
2 x 18 W	TC-L	**PC 2/18/24 TCL PRO**	22176069	234 x 40 x 28 mm	220 mm	32 W	36.0 W	A2	0.17 A	0.16 A	0.98	0.96	75 °C	-25 ... +60 °C
2 x 24 W	TC-L	**PC 2/18/24 TCL PRO**	22176069	234 x 40 x 28 mm	220 mm	44 W	49.0 W	A2	0.22 A	0.21 A	0.99	0.97	75 °C	-25 ... +60 °C
2 x 38 W	T8	**PC 2/36 TCL PRO**	22176170	234 x 40 x 28 mm	220 mm	64 W	72.6 W	A2	0.34 A	0.31 A	0.98	0.98	75 °C	-25 ... +50 °C
2 x 36 W	TC-L	**PC 2/36 TCL PRO**	22176170	234 x 40 x 28 mm	220 mm	64 W	72.8 W	A2	0.34 A	0.31 A	0.98	0.98	75 °C	-25 ... +50 °C
2 x 40 W	TC-L	**PC 2/40 TCL PRO**	22176143	234 x 40 x 28 mm	220 mm	80 W	89.6 W	A2	0.42 A	0.38 A	0.99	0.98	75 °C	-25 ... +55 °C
2 x 55 W	TC-L	**PC 2/55 TCL PRO**	22176233	360 x 40 x 28 mm	350 mm	110 W	121.1 W	A2	0.56 A	0.52 A	0.99	0.99	70 °C	-25 ... +50 °C

TC-DD

PC DD PRO sc, 28 – 55 W

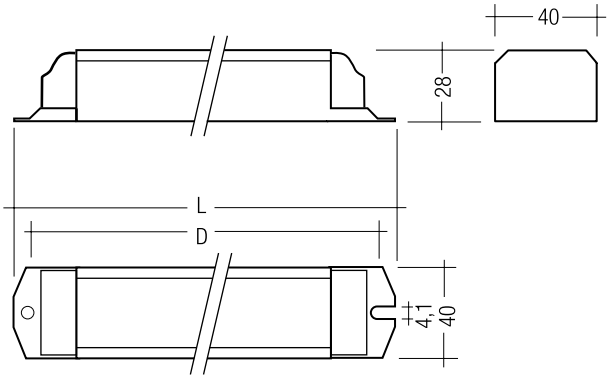
PC PRO compact

Product description

- CELMA Energy Efficiency Index A2 / A3
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1/28 DD PRO sc	**89800004**	25 pc(s).	1,250 pc(s).	0.18 kg
PC 1/38 DD PRO sc	**89800005**	25 pc(s).	1,250 pc(s).	0.18 kg
PC 1/55 DD PRO sc	**89800006**	25 pc(s).	1,250 pc(s).	0.18 kg

→

Product / function matrix, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 28 W	TC-DD	**PC 1/28 DD PRO sc**	89800004	150 x 40 x 28 mm	139 mm	25.4 W	28.7 W	A3	0.14 A	0.12 A	0.95	0.95	85 °C	-25 ... +60 °C
1 x 38 W	TC-DD	**PC 1/38 DD PRO sc**	89800005	150 x 40 x 28 mm	139 mm	34.6 W	39.7 W	A3	0.19 A	0.17 A	0.96	0.96	85 °C	-25 ... +60 °C
1 x 55 W	TC-DD	**PC 1/55 DD PRO sc**	89800006	150 x 40 x 28 mm	139 mm	53.0 W	60.0 W	A2	0.28 A	0.24 A	0.98	0.98	80 °C	-25 ... +60 °C

TC-DEL
TC-SEL
TC-TEL
TC-TEL HE

TC-F
TC-L

T5c

PC TC PRO, 1/2x9 – 70 W

PC PRO compact

Product description

- CELMA Energy Efficiency Index A2 BAT / A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Devices can operate either 1 or 2 lamps
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life (EOL 2)
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.6 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

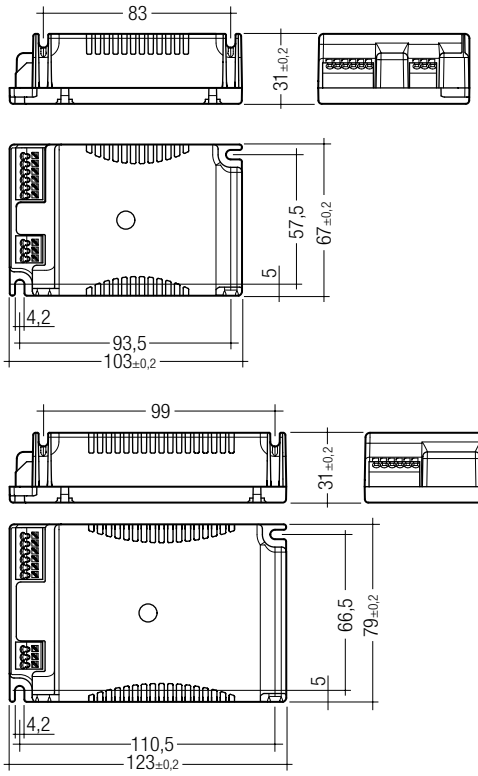
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Product / function matrix, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270





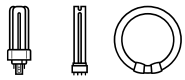
Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1x57/70 TC PRO	**22176409**	10 pc(s).	500 pc(s).	0.170 kg
For luminaires with 1 or 2 lamps				
PC 1/2x9-13 TC PRO	**22176405**	15 pc(s).	750 pc(s).	0.130 kg
PC 1/2x11-17 TC PRO	**22176406**	15 pc(s).	750 pc(s).	0.129 kg
PC 1/2x18 TC PRO	**22176407**	15 pc(s).	750 pc(s).	0.130 kg
PC 1/2x26-42 TC PRO	**22176408**	15 pc(s).	750 pc(s).	0.130 kg
For luminaires with 2 lamps				
PC 2x26-42 TC PRO	**22176410**	10 pc(s).	500 pc(s).	0.168 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
								220 V	240 V	220 V	240 V			
For luminaires with 1 lamp														
1 x 57 W	TC-TEL	**PC 1x57/70 TC PRO**	22176409	123 x 79 x 31 mm	56.0 W	58.6 W	A2 BAT	0.272 A	0.250 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
1 x 70 W	TC-TEL	**PC 1x57/70 TC PRO**	22176409	123 x 79 x 31 mm	70.0 W	73.2 W	A2 BAT	0.334 A	0.306 A	0.98	0.98	75 °C	-25 ... +65 °C	65/55 °C
For luminaires with 1 or 2 lamps														
1 x 10 W	TC-DEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	9.5 W	11.0 W	A2 BAT	0.055 A	0.051 A	0.91	0.89	75 °C	-25 ... +70 °C	70/65 °C
1 x 13 W	TC-DEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	12.5 W	15.1 W	A2 BAT	0.073 A	0.067 A	0.94	0.92	75 °C	-25 ... +70 °C	70/65 °C
2 x 10 W	TC-DEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	19.0 W	21.0 W	A2 BAT	0.099 A	0.091 A	0.97	0.95	75 °C	-25 ... +70 °C	70/65 °C
2 x 13 W	TC-DEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	25.0 W	29.9 W	A2 BAT	0.139 A	0.127 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
1 x 9 W	TC-SEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	8.0 W	9.8 W	A2	0.050 A	0.046 A	0.90	0.87	75 °C	-25 ... +70 °C	70/65 °C
1 x 11 W	TC-SEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	11.0 W	13.9 W	A2 BAT	0.068 A	0.062 A	0.94	0.92	75 °C	-25 ... +70 °C	70/65 °C
2 x 9 W	TC-SEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	16.0 W	18.9 W	A2 BAT	0.090 A	0.082 A	0.96	0.94	75 °C	-25 ... +70 °C	70/65 °C
2 x 11 W	TC-SEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	22.0 W	27.6 W	A2 BAT	0.129 A	0.118 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
1 x 13 W	TC-TEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	12.5 W	14.4 W	A2 BAT	0.070 A	0.064 A	0.95	0.93	75 °C	-25 ... +70 °C	70/65 °C
2 x 13 W	TC-TEL	**PC 1/2x9-13 TC PRO**	22176405	103 x 67 x 31 mm	25.0 W	27.9 W	A2 BAT	0.130 A	0.119 A	0.98	0.98	75 °C	-25 ... +65 °C	70/60 °C
2 x 26 W	TC-DEL	**PC 1/2x11-17 TC PRO**	22176406	103 x 67 x 31 mm	48.5 W	53.1 W	A2	0.246 A	0.230 A	0.98	0.96	75 °C	-25 ... +60 °C	65/50 °C
1 x 14 W	TC-TEL HE	**PC 1/2x11-17 TC PRO**	22176406	103 x 67 x 31 mm	15.5 W	16.7 W	A2	0.080 A	0.074 A	0.95	0.93	80 °C	-25 ... +70 °C	75/65 °C
1 x 17 W	TC-TEL HE	**PC 1/2x11-17 TC PRO**	22176406	103 x 67 x 31 mm	18.6 W	19.5 W	A2 BAT	0.094 A	0.086 A	0.96	0.95	80 °C	-25 ... +70 °C	75/65 °C
2 x 11 W	TC-TEL HE	**PC 1/2x11-17 TC PRO**	22176406	103 x 67 x 31 mm	24.5 W	27.3 W	A2 BAT	0.127 A	0.116 A	0.98	0.97	75 °C	-25 ... +60 °C	75/60 °C
2 x 14 W	TC-TEL HE	**PC 1/2x11-17 TC PRO**	22176406	103 x 67 x 31 mm	32.0 W	33.9 W	A2 BAT	0.157 A	0.144 A	0.98	0.98	75 °C	-25 ... +60 °C	75/60 °C
2 x 17 W	TC-TEL HE	**PC 1/2x11-17 TC PRO**	22176406	103 x 67 x 31 mm	37.8 W	40.0 W	A2 BAT	0.186 A	0.171 A	0.99	0.98	75 °C	-25 ... +60 °C	75/60 °C
1 x 18 W	TC-DEL	**PC 1/2x18 TC PRO**	22176407	103 x 67 x 31 mm	16.7 W	18.7 W	A2 BAT	0.090 A	0.082 A	0.95	0.94	75 °C	-25 ... +70 °C	75/70 °C
2 x 18 W	TC-DEL	**PC 1/2x18 TC PRO**	22176407	103 x 67 x 31 mm	33.6 W	36.5 W	A2 BAT	0.170 A	0.156 A	0.98	0.98	75 °C	-25 ... +65 °C	70/60 °C
1 x 18 W	TC-TEL	**PC 1/2x18 TC PRO**	22176407	103 x 67 x 31 mm	16.6 W	18.8 W	A2 BAT	0.090 A	0.083 A	0.95	0.94	75 °C	-25 ... +70 °C	75/70 °C
2 x 18 W	TC-TEL	**PC 1/2x18 TC PRO**	22176407	103 x 67 x 31 mm	34.8 W	37.3 W	A2 BAT	0.174 A	0.159 A	0.98	0.98	75 °C	-25 ... +65 °C	70/60 °C
1 x 22 W	T5c	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	21.7 W	24.6 W	A2	0.117 A	0.107 A	0.96	0.95	75 °C	-25 ... +65 °C	70/60 °C
1 x 40 W	T5c	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	38.2 W	40.7 W	A2 BAT	0.189 A	0.173 A	0.99	0.98	75 °C	-25 ... +65 °C	70/60 °C
2 x 22 W	T5c	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	44.8 W	48.7 W	A2 BAT	0.225 A	0.206 A	0.99	0.98	75 °C	-25 ... +60 °C	70/55 °C
1 x 26 W	TC-DEL	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	23.0 W	25.6 W	A2 BAT	0.125 A	0.114 A	0.97	0.96	75 °C	-25 ... +65 °C	70/60 °C
2 x 26 W	TC-DEL	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	49.9 W	52.4 W	A2 BAT	0.242 A	0.222 A	0.99	0.99	75 °C	-25 ... +60 °C	70/55 °C
1 x 18 W	TC-F	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	13.7 W	15.4 W	A2	0.077 A	0.071 A	0.92	0.91	75 °C	-25 ... +65 °C	70/60 °C
1 x 24 W	TC-F	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	20.0 W	22.2 W	A2 BAT	0.106 A	0.097 A	0.96	0.95	75 °C	-25 ... +65 °C	70/60 °C
2 x 18 W	TC-F	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	26.4 W	30.4 W	A2 BAT	0.142 A	0.130 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
2 x 24 W	TC-F	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	42.9 W	45.7 W	A2 BAT	0.211 A	0.193 A	0.99	0.98	75 °C	-25 ... +60 °C	70/55 °C
1 x 18 W	TC-L	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	14.5 W	16.7 W	A2	0.083 A	0.076 A	0.93	0.92	75 °C	-25 ... +65 °C	70/60 °C
1 x 24 W	TC-L	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	21.6 W	24.1 W	A2 BAT	0.114 A	0.104 A	0.96	0.95	75 °C	-25 ... +65 °C	70/60 °C
2 x 18 W	TC-L	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	29.5 W	33.3 W	A2 BAT	0.155 A	0.142 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
2 x 24 W	TC-L	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	44.5 W	48.4 W	A2 BAT	0.223 A	0.204 A	0.99	0.97	75 °C	-25 ... +60 °C	70/55 °C
1 x 26 W	TC-TEL	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	24.4 W	26.7 W	A2 BAT	0.125 A	0.115 A	0.97	0.96	75 °C	-25 ... +65 °C	70/60 °C
1 x 32 W	TC-TEL	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	31.3 W	33.7 W	A2 BAT	0.157 A	0.144 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
1 x 42 W	TC-TEL	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	40.9 W	42.7 W	A2 BAT	0.198 A	0.181 A	0.99	0.98	75 °C	-25 ... +65 °C	70/60 °C
2 x 26 W	TC-TEL	**PC 1/2x26-42 TC PRO**	22176408	103 x 67 x 31 mm	50.2 W	53.3 W	A2 BAT	0.243 A	0.223 A	0.99	0.99	75 °C	-25 ... +60 °C	70/55 °C
For luminaires with 2 lamps														
2 x 22 W	T5c	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	48.0 W	50.9 W	A2 BAT	0.237 A	0.218 A	0.97	0.96	75 °C	-25 ... +65 °C	75/65 °C
1 x 62 W	T5c	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	62.5 W	66.6 W	A2 BAT	0.309 A	0.283 A	0.97	0.97	70 °C	-25 ... +55 °C	70/55 °C
2 x 40 W	T5c	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	74.5 W	80.2 W	A2 BAT	0.370 A	0.339 A	0.98	0.97	70 °C	-25 ... +55 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	52.5 W	56.4 W	A2 BAT	0.263 A	0.241 A	0.98	0.97	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-F	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	28.3 W	31.0 W	A2 BAT	0.151 A	0.138 A	0.94	0.93	80 °C	-25 ... +75 °C	75/70 °C
2 x 24 W	TC-F	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	42.4 W	45.7 W	A2 BAT	0.216 A	0.198 A	0.96	0.95	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-L	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	30.5 W	33.3 W	A2 BAT	0.161 A	0.148 A	0.95	0.93	80 °C	-25 ... +75 °C	75/70 °C
2 x 24 W	TC-L	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	47.7 W	51.1 W	A2 BAT	0.239 A	0.219 A	0.97	0.96	75 °C	-25 ... +65 °C	75/65 °C
2 x 26 W	TC-TEL	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	51.6 W	55.5 W	A2 BAT	0.259 A	0.237 A	0.98	0.97	75 °C	-25 ... +65 °C	75/65 °C
2 x 32 W	TC-TEL	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	66.1 W	71.2 W	A2 BAT	0.329 A	0.302 A	0.98	0.98	70 °C	-25 ... +55 °C	70/55 °C
2 x 42 W	TC-TEL	**PC 2x26-42 TC PRO**	22176410	123 x 79 x 31 mm	83.0 W	90.4 W	A2 BAT	0.417 A	0.382 A	0.99	0.98	70 °C	-25 ... +55 °C	70/55 °C





TC-DEL
TC-TEL
TC-TEL HE

TC-F
TC-L

T5c

PC TC PRO sr+, 1/2x11 – 42 W

PC PRO compact

Product description

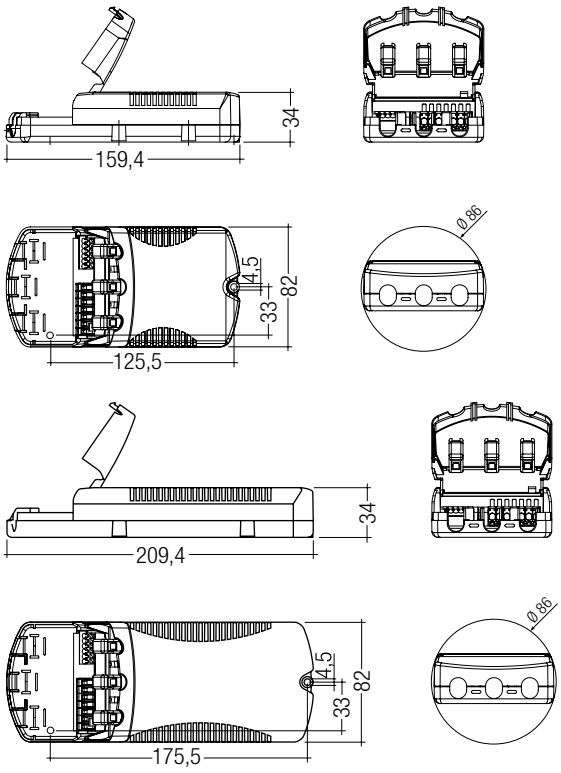
- CELMA Energy Efficiency Index A2 BAT / A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- No tools required for installation
- Integrated terminal cover and strain relief
- Through wiring possible
- 3 separate strain reliefs
- Devices can operate either 1 or 2 lamps
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life (EOL 2)
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Defined warm start	≤ 1.6 s
Operating frequency	≥ 40 kHz
Type of protection	IP20





→ **Product / function matrix**, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270

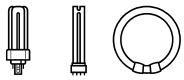
Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 or 2 lamps				
PC 1/2x11-17 TC PRO sr+	**22176411**	25 pc(s).	550 pc(s).	0.181 kg
PC 1/2x18 TC PRO sr+	**22176412**	25 pc(s).	550 pc(s).	0.181 kg
PC 1/2x26-42 TC PRO sr+	**22176413**	25 pc(s).	550 pc(s).	0.181 kg
For luminaires with 2 lamps				
PC 2x26-42 TC PRO sr+	**22176414**	25 pc(s).	350 pc(s).	0.223 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
								220 V	240 V	220 V	240 V			
For luminaires with 1 or 2 lamps														
1 x 11 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr+**	22176411	159.4 x 82 x 34 mm	12.0 W	13.5 W	A2 BAT	0.066 A	0.061 A	0.93	0.91	80 °C	-25 ... +75 °C	70/65 °C
1 x 14 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr+**	22176411	159.4 x 82 x 34 mm	15.5 W	16.7 W	A2	0.080 A	0.074 A	0.95	0.93	80 °C	-25 ... +75 °C	70/65 °C
1 x 17 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr+**	22176411	159.4 x 82 x 34 mm	18.6 W	19.5 W	A2 BAT	0.094 A	0.086 A	0.96	0.95	80 °C	-25 ... +75 °C	70/65 °C
2 x 11 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr+**	22176411	159.4 x 82 x 34 mm	24.5 W	27.3 W	A2 BAT	0.127 A	0.116 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
2 x 14 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr+**	22176411	159.4 x 82 x 34 mm	32.0 W	33.9 W	A2 BAT	0.157 A	0.144 A	0.98	0.98	75 °C	-25 ... +65 °C	70/60 °C
2 x 17 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr+**	22176411	159.4 x 82 x 34 mm	37.8 W	40.0 W	A2 BAT	0.186 A	0.171 A	0.99	0.98	75 °C	-25 ... +65 °C	70/60 °C
1 x 18 W	TC-DEL	**PC 1/2x18 TC PRO sr+**	22176412	159.4 x 82 x 34 mm	16.7 W	18.7 W	A2 BAT	0.090 A	0.082 A	0.95	0.94	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-DEL	**PC 1/2x18 TC PRO sr+**	22176412	159.4 x 82 x 34 mm	33.6 W	36.5 W	A2 BAT	0.170 A	0.156 A	0.98	0.98	75 °C	-25 ... +65 °C	75/65 °C
1 x 18 W	TC-TEL	**PC 1/2x18 TC PRO sr+**	22176412	159.4 x 82 x 34 mm	16.6 W	18.8 W	A2 BAT	0.090 A	0.083 A	0.95	0.94	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-TEL	**PC 1/2x18 TC PRO sr+**	22176412	159.4 x 82 x 34 mm	34.8 W	37.7 W	A2 BAT	0.174 A	0.159 A	0.98	0.98	75 °C	-25 ... +65 °C	75/65 °C
1 x 22 W	T5c	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	21.7 W	24.6 W	A2	0.117 A	0.107 A	0.96	0.95	75 °C	-25 ... +60 °C	70/55 °C
1 x 40 W	T5c	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	38.2 W	40.7 W	A2 BAT	0.189 A	0.173 A	0.99	0.98	75 °C	-25 ... +60 °C	70/55 °C
2 x 22 W	T5c	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	44.8 W	48.7 W	A2 BAT	0.225 A	0.206 A	0.99	0.98	75 °C	-25 ... +55 °C	70/50 °C
1 x 26 W	TC-DEL	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	23.0 W	25.6 W	A2 BAT	0.125 A	0.114 A	0.97	0.96	75 °C	-25 ... +60 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	49.9 W	52.4 W	A2 BAT	0.242 A	0.222 A	0.99	0.99	75 °C	-25 ... +55 °C	70/50 °C
1 x 18 W	TC-F	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	13.7 W	15.4 W	A2	0.077 A	0.071 A	0.92	0.91	75 °C	-25 ... +60 °C	70/55 °C
1 x 24 W	TC-F	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	20.0 W	22.2 W	A2 BAT	0.106 A	0.097 A	0.96	0.95	75 °C	-25 ... +60 °C	70/55 °C
2 x 18 W	TC-F	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	26.4 W	30.4 W	A2 BAT	0.142 A	0.130 A	0.98	0.97	75 °C	-25 ... +60 °C	70/55 °C
2 x 24 W	TC-F	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	42.9 W	45.7 W	A2 BAT	0.211 A	0.193 A	0.99	0.98	75 °C	-25 ... +55 °C	70/50 °C
1 x 18 W	TC-L	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	14.5 W	16.7 W	A2	0.083 A	0.076 A	0.93	0.92	75 °C	-25 ... +60 °C	70/55 °C
1 x 24 W	TC-L	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	21.6 W	24.1 W	A2 BAT	0.114 A	0.104 A	0.96	0.95	75 °C	-25 ... +60 °C	70/55 °C
2 x 18 W	TC-L	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	29.5 W	33.3 W	A2 BAT	0.155 A	0.142 A	0.98	0.97	75 °C	-25 ... +60 °C	70/55 °C
2 x 24 W	TC-L	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	44.5 W	48.4 W	A2 BAT	0.223 A	0.204 A	0.99	0.97	75 °C	-25 ... +55 °C	70/50 °C
1 x 26 W	TC-TEL	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	24.4 W	26.7 W	A2 BAT	0.125 A	0.115 A	0.97	0.96	75 °C	-25 ... +60 °C	70/55 °C
1 x 32 W	TC-TEL	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	31.3 W	33.7 W	A2 BAT	0.157 A	0.144 A	0.98	0.97	75 °C	-25 ... +60 °C	70/55 °C
1 x 42 W	TC-TEL	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	40.9 W	42.7 W	A2 BAT	0.198 A	0.181 A	0.99	0.98	75 °C	-25 ... +60 °C	70/55 °C
2 x 26 W	TC-TEL	**PC 1/2x26-42 TC PRO sr+**	22176413	159.4 x 82 x 34 mm	50.2 W	53.3 W	A2 BAT	0.243 A	0.223 A	0.99	0.99	75 °C	-25 ... +55 °C	70/50 °C
For luminaires with 2 lamps														
2 x 22 W	T5c	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	48.0 W	50.9 W	A2 BAT	0.237 A	0.218 A	0.97	0.96	75 °C	-25 ... +65 °C	75/65 °C
1 x 62 W	T5c	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	62.5 W	66.6 W	A2 BAT	0.309 A	0.283 A	0.97	0.97	70 °C	-25 ... +55 °C	70/55 °C
2 x 40 W	T5c	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	74.5 W	80.2 W	A2 BAT	0.370 A	0.339 A	0.98	0.97	70 °C	-25 ... +55 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	52.5 W	56.4 W	A2 BAT	0.263 A	0.241 A	0.98	0.97	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-F	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	28.3 W	31.0 W	A2 BAT	0.151 A	0.138 A	0.94	0.93	80 °C	-25 ... +75 °C	75/70 °C
2 x 24 W	TC-F	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	42.4 W	45.7 W	A2 BAT	0.216 A	0.198 A	0.96	0.95	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-L	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	30.5 W	33.3 W	A2 BAT	0.161 A	0.148 A	0.95	0.93	80 °C	-25 ... +75 °C	75/70 °C
2 x 24 W	TC-L	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	47.7 W	51.1 W	A2 BAT	0.239 A	0.219 A	0.97	0.96	75 °C	-25 ... +65 °C	75/65 °C
2 x 26 W	TC-TEL	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	51.6 W	55.5 W	A2 BAT	0.259 A	0.237 A	0.98	0.97	75 °C	-25 ... +65 °C	75/65 °C
2 x 32 W	TC-TEL	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	66.1 W	71.2 W	A2 BAT	0.329 A	0.302 A	0.98	0.98	70 °C	-25 ... +55 °C	70/55 °C
2 x 42 W	TC-TEL	**PC 2x26-42 TC PRO sr+**	22176414	209.4 x 82 x 34 mm	83.0 W	90.4 W	A2 BAT	0.417 A	0.382 A	0.99	0.98	70 °C	-25 ... +55 °C	70/55 °C





TC-DEL
TC-TEL
TC-TEL HE

TC-F
TC-L

T5c

PC TC PRO sr, 1/2x11 – 42 W

PC PRO compact

Product description

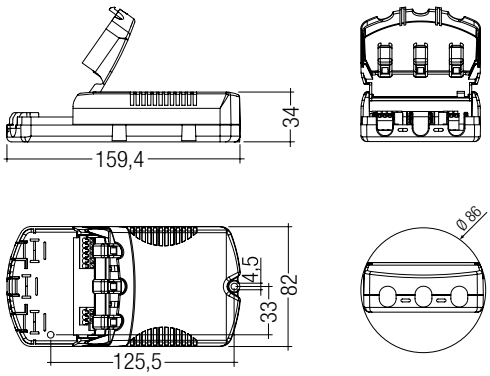
- CELMA Energy Efficiency Index A2 BAT / A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- No tools required for installation
- Integrated terminal cover and strain relief
- 3 separate strain reliefs
- Devices can operate either 1 or 2 lamps
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life (EOL 2)
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

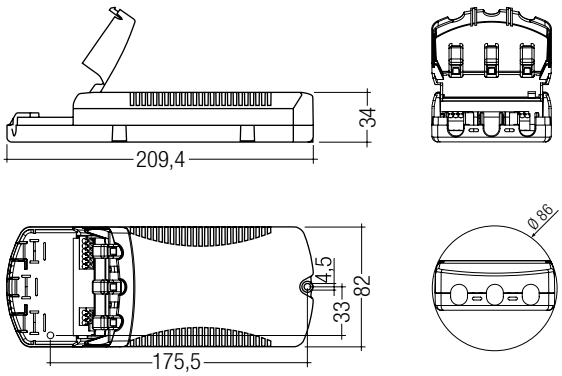
→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Defined warm start	≤ 1.6 s
Operating frequency	≥ 40 kHz
Type of protection	IP20







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Product / function matrix, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 or 2 lamps				
PC 1/2x11-17 TC PRO sr	**22176415**	25 pc(s).	550 pc(s).	0.181 kg
PC 1/2x18 TC PRO sr	**22176416**	25 pc(s).	550 pc(s).	0.181 kg
PC 1/2x26-42 TC PRO sr	**22176417**	25 pc(s).	550 pc(s).	0.181 kg
For luminaires with 2 lamps				
PC 2x26-42 TC PRO sr	**22176418**	25 pc(s).	350 pc(s).	0.223 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
								220 V	240 V	220 V	240 V			
For luminaires with 1 or 2 lamps														
1 x 11 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr**	22176415	159.4 x 82 x 34 mm	12.0 W	13.5 W	A2 BAT	0.066 A	0.061 A	0.93	0.91	80 °C	-25 ... +75 °C	70/65 °C
1 x 14 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr**	22176415	159.4 x 82 x 34 mm	15.5 W	16.7 W	A2	0.080 A	0.074 A	0.95	0.93	80 °C	-25 ... +75 °C	70/65 °C
1 x 17 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr**	22176415	159.4 x 82 x 34 mm	18.6 W	19.5 W	A2 BAT	0.094 A	0.086 A	0.96	0.95	80 °C	-25 ... +75 °C	70/65 °C
2 x 11 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr**	22176415	159.4 x 82 x 34 mm	24.5 W	27.3 W	A2 BAT	0.127 A	0.116 A	0.98	0.97	75 °C	-25 ... +65 °C	70/60 °C
2 x 14 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr**	22176415	159.4 x 82 x 34 mm	32.0 W	33.9 W	A2 BAT	0.157 A	0.144 A	0.98	0.98	75 °C	-25 ... +65 °C	70/60 °C
2 x 17 W	TC-TEL HE	**PC 1/2x11-17 TC PRO sr**	22176415	159.4 x 82 x 34 mm	37.8 W	40.0 W	A2 BAT	0.186 A	0.171 A	0.99	0.98	75 °C	-25 ... +65 °C	70/60 °C
1 x 18 W	TC-DEL	**PC 1/2x18 TC PRO sr**	22176416	159.4 x 82 x 34 mm	16.7 W	18.7 W	A2 BAT	0.090 A	0.082 A	0.95	0.94	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-DEL	**PC 1/2x18 TC PRO sr**	22176416	159.4 x 82 x 34 mm	33.6 W	36.5 W	A2 BAT	0.170 A	0.156 A	0.98	0.98	75 °C	-25 ... +65 °C	75/65 °C
1 x 18 W	TC-TEL	**PC 1/2x18 TC PRO sr**	22176416	159.4 x 82 x 34 mm	16.6 W	18.8 W	A2 BAT	0.090 A	0.083 A	0.95	0.94	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-TEL	**PC 1/2x18 TC PRO sr**	22176416	159.4 x 82 x 34 mm	34.8 W	37.7 W	A2 BAT	0.174 A	0.159 A	0.98	0.98	75 °C	-25 ... +65 °C	75/65 °C
1 x 22 W	T5-R	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	21.7 W	24.6 W	A2	0.117 A	0.107 A	0.96	0.95	75 °C	-25 ... +60 °C	70/55 °C
1 x 40 W	T5-R	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	38.2 W	40.7 W	A2 BAT	0.189 A	0.173 A	0.99	0.98	75 °C	-25 ... +60 °C	70/55 °C
2 x 22 W	T5-R	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	44.8 W	48.7 W	A2 BAT	0.225 A	0.206 A	0.99	0.98	75 °C	-25 ... +55 °C	70/50 °C
1 x 26 W	TC-DEL	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	23.0 W	25.6 W	A2 BAT	0.125 A	0.114 A	0.97	0.96	75 °C	-25 ... +60 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	49.9 W	52.4 W	A2 BAT	0.242 A	0.222 A	0.99	0.99	75 °C	-25 ... +55 °C	70/50 °C
1 x 18 W	TC-F	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	13.7 W	15.4 W	A2	0.077 A	0.071 A	0.92	0.91	75 °C	-25 ... +60 °C	70/55 °C
1 x 24 W	TC-F	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	20.0 W	22.2 W	A2 BAT	0.106 A	0.097 A	0.96	0.95	75 °C	-25 ... +60 °C	70/55 °C
2 x 18 W	TC-F	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	26.4 W	30.4 W	A2 BAT	0.142 A	0.130 A	0.98	0.97	75 °C	-25 ... +60 °C	70/55 °C
2 x 24 W	TC-F	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	42.9 W	45.7 W	A2 BAT	0.211 A	0.193 A	0.99	0.98	75 °C	-25 ... +55 °C	70/50 °C
1 x 18 W	TC-L	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	14.5 W	16.7 W	A2	0.083 A	0.076 A	0.93	0.92	75 °C	-25 ... +60 °C	70/55 °C
1 x 24 W	TC-L	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	21.6 W	24.1 W	A2 BAT	0.114 A	0.104 A	0.96	0.95	75 °C	-25 ... +60 °C	70/55 °C
2 x 18 W	TC-L	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	29.5 W	33.3 W	A2 BAT	0.155 A	0.142 A	0.98	0.97	75 °C	-25 ... +60 °C	70/55 °C
2 x 24 W	TC-L	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	44.5 W	48.4 W	A2 BAT	0.223 A	0.204 A	0.99	0.97	75 °C	-25 ... +55 °C	70/50 °C
1 x 26 W	TC-TEL	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	24.4 W	26.7 W	A2 BAT	0.125 A	0.115 A	0.97	0.96	75 °C	-25 ... +60 °C	70/55 °C
1 x 32 W	TC-TEL	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	31.3 W	33.7 W	A2 BAT	0.157 A	0.144 A	0.98	0.97	75 °C	-25 ... +60 °C	70/55 °C
1 x 42 W	TC-TEL	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	40.9 W	42.7 W	A2 BAT	0.198 A	0.181 A	0.99	0.98	75 °C	-25 ... +60 °C	70/55 °C
2 x 26 W	TC-TEL	**PC 1/2x26-42 TC PRO sr**	22176417	159.4 x 82 x 34 mm	50.2 W	53.3 W	A2 BAT	0.243 A	0.223 A	0.99	0.99	75 °C	-25 ... +55 °C	70/50 °C
For luminaires with 2 lamps														
2 x 22 W	T5-R	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	48.0 W	50.9 W	A2 BAT	0.237 A	0.218 A	0.97	0.96	75 °C	-25 ... +65 °C	75/65 °C
1 x 62 W	T5-R	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	62.5 W	66.6 W	A2 BAT	0.309 A	0.283 A	0.97	0.97	70 °C	-25 ... +55 °C	70/55 °C
2 x 40 W	T5-R	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	74.5 W	80.2 W	A2 BAT	0.370 A	0.339 A	0.98	0.97	70 °C	-25 ... +55 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	52.5 W	56.4 W	A2 BAT	0.263 A	0.241 A	0.98	0.97	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-F	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	28.3 W	31.0 W	A2 BAT	0.151 A	0.138 A	0.94	0.93	80 °C	-25 ... +75 °C	75/70 °C
2 x 24 W	TC-F	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	42.4 W	45.7 W	A2 BAT	0.216 A	0.198 A	0.96	0.95	75 °C	-25 ... +65 °C	75/65 °C
2 x 18 W	TC-L	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	30.5 W	33.3 W	A2 BAT	0.161 A	0.148 A	0.95	0.93	80 °C	-25 ... +75 °C	75/70 °C
2 x 24 W	TC-L	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	47.7 W	51.1 W	A2 BAT	0.239 A	0.219 A	0.97	0.96	75 °C	-25 ... +65 °C	75/65 °C
2 x 26 W	TC-TEL	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	51.6 W	55.5 W	A2 BAT	0.259 A	0.237 A	0.98	0.97	75 °C	-25 ... +65 °C	75/65 °C
2 x 32 W	TC-TEL	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	66.1 W	71.2 W	A2 BAT	0.329 A	0.302 A	0.98	0.98	70 °C	-25 ... +55 °C	70/55 °C
2 x 42 W	TC-TEL	**PC 2x26-42 TC PRO sr**	22176418	209.4 x 82 x 34 mm	83.0 W	90.4 W	A2 BAT	0.417 A	0.382 A	0.99	0.98	70 °C	-25 ... +55 °C	70/55 °C

T5 TC-L

PC T5 TOP Ip, 14 – 54 W

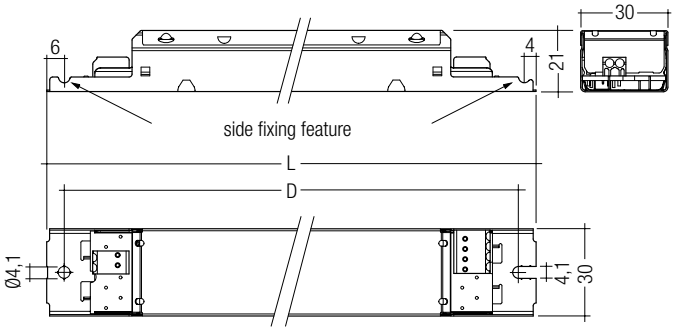
PC TOP T5

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.20 % per 1,000 h)
- Large temperature range (for values see table)
- Fixed frequency operation for constant lamp current
- Lamp preheating for min. 30,000 starts without replacement of lamps
- Constant luminous flux irrespective of fluctuations in mains voltage
- Designed for THD < 10 %
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps (detects 1 lamp)
- Safety shutdown of defective lamps and at end of lamp life
- Push terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 39.5 kHz
Type of protection	IP20

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Product / function matrix, page 226

Lamp matrix, page 229

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PC 1x14-35 T5 TOP Ip	**22185157**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.167 kg
PC 1x24 T5 TOP Ip	**22185159**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.171 kg
PC 1x39 T5 TOP Ip	**22185161**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.169 kg
PC 1x49 T5 TOP Ip	**22185163**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.171 kg
PC 1x54 T5 TOP Ip	**22185165**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.165 kg
For luminaires with 2 lamps					
PC 2x14-28 T5 TOP Ip	**22185158**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.234 kg
PC 2x35 T5 TOP Ip	**87500292**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.239 kg
PC 2x24 T5 TOP Ip	**22185160**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.205 kg
PC 2x39 T5 TOP Ip	**22185162**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.235 kg
PC 2x49 T5 TOP Ip	**22185164**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.245 kg
PC 2x54 T5 TOP Ip	**22185166**	50 pc(s).	650 pc(s).	1,950 pc(s).	0.242 kg
For luminaires with 3 or 4 lamps					
PC 3/4x14 T5 TOP Ip	**22185220**	10 pc(s).	760 pc(s).	–	0.238 kg
PC 3/4x24 T5 TOP Ip	**22185221**	10 pc(s).	760 pc(s).	–	0.244 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
									220 V	240 V	220 V	240 V			
For luminaires with 1 lamp															
1 x 14 W	T5	**PC 1x14-35 T5 TOP lp**	22185157	280 x 30 x 21 mm	270 mm	14.7 W	17.5 W	A2	0.077 A	0.069 A	0.97	0.95	60 °C	-20 ... +55 °C	55/50 °C
1 x 21 W	T5	**PC 1x14-35 T5 TOP lp**	22185157	280 x 30 x 21 mm	270 mm	20.6 W	24.0 W	A2	0.106 A	0.095 A	0.97	0.95	65 °C	-20 ... +55 °C	60/50 °C
1 x 28 W	T5	**PC 1x14-35 T5 TOP lp**	22185157	280 x 30 x 21 mm	270 mm	27.9 W	32.0 W	A2	0.143 A	0.128 A	0.98	0.96	65 °C	-20 ... +55 °C	60/50 °C
1 x 35 W	T5	**PC 1x14-35 T5 TOP lp**	22185157	280 x 30 x 21 mm	270 mm	35.5 W	39.0 W	A2	0.176 A	0.158 A	0.99	0.97	70 °C	-20 ... +55 °C	65/50 °C
1 x 24 W	T5	**PC 1x24 T5 TOP lp**	22185159	280 x 30 x 21 mm	270 mm	22.5 W	26.5 W	A2	0.118 A	0.106 A	0.98	0.96	65 °C	-20 ... +55 °C	60/50 °C
1 x 24 W	TC-L	**PC 1x24 T5 TOP lp**	22185159	280 x 30 x 21 mm	270 mm	22.5 W	26.5 W	A2	0.118 A	0.106 A	0.98	0.96	65 °C	-20 ... +55 °C	60/50 °C
1 x 39 W	T5	**PC 1x39 T5 TOP lp**	22185161	280 x 30 x 21 mm	270 mm	38.0 W	43.0 W	A2	0.192 A	0.172 A	0.98	0.96	70 °C	-20 ... +55 °C	65/50 °C
1 x 49 W	T5	**PC 1x49 T5 TOP lp**	22185163	280 x 30 x 21 mm	270 mm	49.2 W	55.5 W	A2	0.247 A	0.222 A	0.98	0.96	75 °C	-20 ... +55 °C	70/50 °C
1 x 54 W	T5	**PC 1x54 T5 TOP lp**	22185165	280 x 30 x 21 mm	270 mm	54.1 W	60.0 W	A2	0.267 A	0.240 A	0.98	0.96	75 °C	-20 ... +55 °C	70/50 °C
For luminaires with 2 lamps															
2 x 14 W	T5	**PC 2x14-28 T5 TOP lp**	22185158	360 x 30 x 21 mm	350 mm	29.4 W	35.0 W	A2	0.154 A	0.139 A	0.97	0.95	65 °C	-20 ... +55 °C	60/50 °C
2 x 21 W	T5	**PC 2x14-28 T5 TOP lp**	22185158	360 x 30 x 21 mm	350 mm	41.2 W	49.0 W	A2	0.216 A	0.194 A	0.97	0.95	65 °C	-20 ... +55 °C	60/50 °C
2 x 28 W	T5	**PC 2x14-28 T5 TOP lp**	22185158	360 x 30 x 21 mm	350 mm	55.8 W	64.0 W	A2	0.285 A	0.256 A	0.98	0.96	70 °C	-20 ... +55 °C	65/50 °C
2 x 35 W	T5	**PC 2x35 T5 TOP lp**	87500292	360 x 30 x 21 mm	350 mm	71.0 W	76.0 W	A2	0.342 A	0.309 A	0.99	0.97	80 °C	-20 ... +55 °C	75/50 °C
2 x 24 W	T5	**PC 2x24 T5 TOP lp**	22185160	360 x 30 x 21 mm	350 mm	45.0 W	52.0 W	A2	0.232 A	0.208 A	0.98	0.96	70 °C	-20 ... +55 °C	65/50 °C
2 x 24 W	TC-L	**PC 2x24 T5 TOP lp**	22185160	360 x 30 x 21 mm	350 mm	45.0 W	52.0 W	A2	0.232 A	0.208 A	0.98	0.96	70 °C	-20 ... +55 °C	65/50 °C
2 x 39 W	T5	**PC 2x39 T5 TOP lp**	22185162	360 x 30 x 21 mm	350 mm	76.0 W	86.0 W	A2	0.383 A	0.344 A	0.98	0.96	75 °C	-20 ... +55 °C	70/50 °C
2 x 49 W	T5	**PC 2x49 T5 TOP lp**	22185164	360 x 30 x 21 mm	350 mm	98.4 W	110.6 W	A2	0.498 A	0.447 A	0.99	0.97	80 °C	-20 ... +55 °C	75/50 °C
2 x 54 W	T5	**PC 2x54 T5 TOP lp**	22185166	360 x 30 x 21 mm	350 mm	108.2 W	120.0 W	A2	0.540 A	0.485 A	0.99	0.97	80 °C	-20 ... +55 °C	75/50 °C
For luminaires with 3 or 4 lamps															
3 x 14 W	T5	**PC 3/4x14 T5 TOP lp**	22185220	360 x 30 x 21 mm	350 mm	44.1 W	51.3 W	A2	0.238 A	0.218 A	0.99	0.97	70 °C	-20 ... +55 °C	65/50 °C
4 x 14 W	T5	**PC 3/4x14 T5 TOP lp**	22185220	360 x 30 x 21 mm	350 mm	53.2 W	68.4 W	A2	0.317 A	0.291 A	0.99	0.97	75 °C	-20 ... +55 °C	70/50 °C
3 x 24 W	T5	**PC 3/4x24 T5 TOP lp**	22185221	360 x 30 x 21 mm	350 mm	70.9 W	79.2 W	A2	0.367 A	0.337 A	0.99	0.97	75 °C	-20 ... +55 °C	70/50 °C
4 x 24 W	T5	**PC 3/4x24 T5 TOP lp**	22185221	360 x 30 x 21 mm	350 mm	90.0 W	105.6 W	A2	0.490 A	0.449 A	0.99	0.97	80 °C	-20 ... +55 °C	75/50 °C
3 x 24 W	TC-L	**PC 3/4x24 T5 TOP lp**	22185221	360 x 30 x 21 mm	350 mm	70.9 W	79.2 W	A2	0.367 A	0.337 A	0.99	0.97	75 °C	-20 ... +55 °C	70/50 °C
4 x 24 W	TC-L	**PC 3/4x24 T5 TOP lp**	22185221	360 x 30 x 21 mm	350 mm	90.0 W	105.6 W	A2	0.490 A	0.449 A	0.99	0.97	80 °C	-20 ... +55 °C	75/50 °C

T8

PC T8 TOP Ip, PC T8 TOP sl, 18 – 58 W

PC TOP T8

Product description

- CELMA Energy Efficiency Index EEI = A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Constant luminous flux irrespective of fluctuations in mains voltage
- Lamp preheating for min. 30,000 starts without replacement of lamps
- Designed for THD < 10 %
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Push terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 39.5 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 229

Wiring diagrams and installation examples, page 270



Fig. 1



Fig. 2

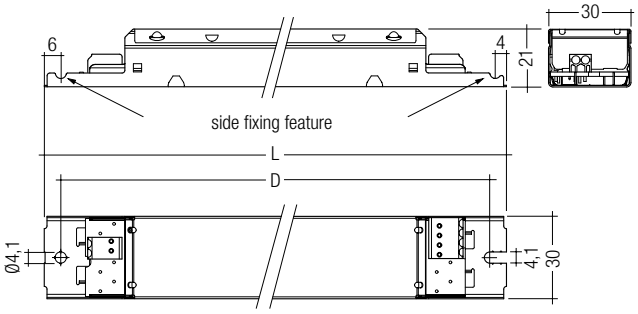


Fig. 1

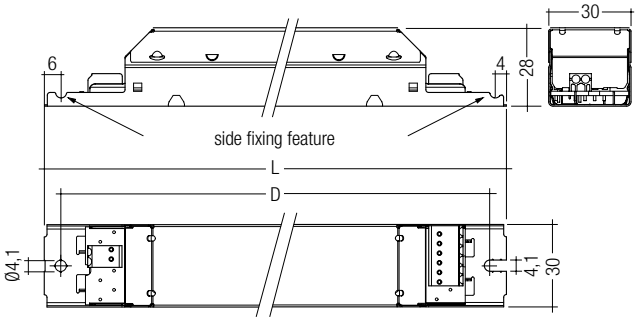


Fig. 2

Ordering data

Type	Article number	Fig.	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp						
PC 1x18 T8 TOP sl	**22185222**	2	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.148 kg
PC 1x36 T8 TOP sl	**22185223**	2	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.148 kg
PC 1x58 T8 TOP sl	**22185224**	2	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.149 kg
For luminaires with 2 lamps						
PC 2x18 T8 TOP sl	**22185225**	2	50 pc(s).	900 pc(s).	2,700 pc(s).	0.176 kg
PC 2x36 T8 TOP sl	**22185226**	2	50 pc(s).	900 pc(s).	2,700 pc(s).	0.209 kg
PC 2x58 T8 TOP sl	**22185227**	2	50 pc(s).	900 pc(s).	2,700 pc(s).	0.212 kg
For luminaires with 3 or 4 lamps						
PC 3/4x18 T8 TOP Ip	**22185228**	1	10 pc(s).	960 pc(s).	–	0.189 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
									220 V	240 V	220 V	240 V			
For luminaires with 1 lamp															
1 x 18 W	T8	**PC 1x18 T8 TOP sl**	22185222	230 x 30 x 28 mm	220 mm	16.0 W	19.3 W	A2	0.860 A	0.770 A	0.98	0.96	65 °C	-20 ... +55 °C	60/50 °C
1 x 36 W	T8	**PC 1x36 T8 TOP sl**	22185223	230 x 30 x 28 mm	220 mm	32.0 W	36.7 W	A2	0.165 A	0.148 A	0.99	0.97	65 °C	-20 ... +55 °C	60/50 °C
1 x 58 W	T8	**PC 1x58 T8 TOP sl**	22185224	230 x 30 x 28 mm	220 mm	50.0 W	56.2 W	A2	0.253 A	0.227 A	0.99	0.97	70 °C	-20 ... +55 °C	65/50 °C
For luminaires with 2 lamps															
2 x 18 W	T8	**PC 2x18 T8 TOP sl**	22185225	280 x 30 x 28 mm	270 mm	32.0 W	38.6 W	A2	0.174 A	0.156 A	0.99	0.97	65 °C	-20 ... +55 °C	60/50 °C
2 x 36 W	T8	**PC 2x36 T8 TOP sl**	22185226	280 x 30 x 28 mm	270 mm	64.0 W	73.4 W	A2	0.330 A	0.303 A	0.99	0.98	70 °C	-20 ... +55 °C	65/50 °C
2 x 58 W	T8	**PC 2x58 T8 TOP sl**	22185227	280 x 30 x 28 mm	270 mm	100.0 W	112.4 W	A2	0.506 A	0.459 A	0.99	0.98	75 °C	-20 ... +55 °C	70/50 °C
For luminaires with 3 or 4 lamps															
3 x 18 W	T8	**PC 3/4x18 T8 TOP lp**	22185228	280 x 30 x 28 mm	270 mm	50.4 W	57.8 W	A2	0.268 A	0.246 A	0.99	0.97	65 °C	-25 ... +55 °C	60/50 °C
4 x 18 W	T8	**PC 3/4x18 T8 TOP lp**	22185228	280 x 30 x 28 mm	270 mm	64.0 W	77.2 W	A2	0.355 A	0.325 A	0.99	0.97	70 °C	-25 ... +55 °C	65/50 °C

TC-DEL
TC-TEL

PC TC TOP, 18 – 42 W

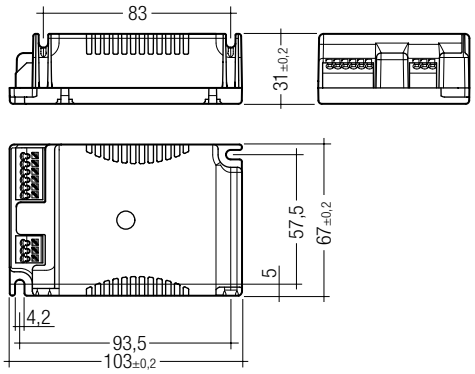
PC TOP compact

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Fixed frequency operation for constant lamp current
- Lamp preheating for min. 30,000 starts without replacement of lamps
- Constant luminous flux irrespective of fluctuations in mains voltage
- Designed for THD < 10 %
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps (detects 1 lamp)
- Safety shutdown of defective lamps and at end of lamp life
- Push terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.6 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1x18 TC TOP	**28000073**	15 pc(s).	750 pc(s).	0.105 kg
PC 1x26-42 TC TOP	**28000075**	15 pc(s).	750 pc(s).	0.105 kg
For luminaires with 2 lamps				
PC 2x18 TC TOP	**28000074**	15 pc(s).	750 pc(s).	0.106 kg
PC 2x26 TC TOP	**28000076**	15 pc(s).	750 pc(s).	0.111 kg

→

Product / function matrix, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power	EEI	Current at 50 Hz 220 V	Current at 50 Hz 240 V	λ at 50 Hz 220 V	λ at 50 Hz 240 V	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 1 lamp														
1 x 18 W	TC-DEL	**PC 1x18 TC TOP**	28000073	103 x 67 x 31 mm	16.5 W	18.2 W	A2	0.085 A	0.080 A	0.97	0.95	75 °C	-25 ... +65 °C	70/60 °C
1 x 18 W	TC-TEL	**PC 1x18 TC TOP**	28000073	103 x 67 x 31 mm	16.5 W	18.2 W	A2	0.085 A	0.080 A	0.97	0.95	75 °C	-25 ... +65 °C	70/60 °C
1 x 26 W	TC-DEL	**PC 1x26-42 TC TOP**	28000075	103 x 67 x 31 mm	24.0 W	26.8 W	A2	0.127 A	0.119 A	0.96	0.94	75 °C	-25 ... +65 °C	65/55 °C
1 x 26 W	TC-TEL	**PC 1x26-42 TC TOP**	28000075	103 x 67 x 31 mm	24.0 W	26.8 W	A2	0.127 A	0.119 A	0.96	0.94	75 °C	-25 ... +65 °C	65/55 °C
1 x 32 W	TC-TEL	**PC 1x26-42 TC TOP**	28000075	103 x 67 x 31 mm	32.0 W	35.1 W	A2	0.164 A	0.154 A	0.97	0.95	75 °C	-25 ... +65 °C	65/55 °C
1 x 42 W	TC-TEL	**PC 1x26-42 TC TOP**	28000075	103 x 67 x 31 mm	42.0 W	47.1 W	A2	0.218 A	0.204 A	0.98	0.96	75 °C	-25 ... +60 °C	65/50 °C
For luminaires with 2 lamps														
2 x 18 W	TC-DEL	**PC 2x18 TC TOP**	28000074	103 x 67 x 31 mm	33.0 W	34.7 W	A2	0.163 A	0.152 A	0.97	0.95	80 °C	-25 ... +65 °C	70/55 °C
2 x 18 W	TC-TEL	**PC 2x18 TC TOP**	28000074	103 x 67 x 31 mm	33.0 W	34.7 W	A2	0.163 A	0.152 A	0.97	0.95	80 °C	-25 ... +65 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 2x26 TC TOP**	28000076	103 x 67 x 31 mm	48.5 W	53.1 W	A2	0.246 A	0.230 A	0.98	0.96	75 °C	-25 ... +60 °C	65/50 °C
2 x 26 W	TC-TEL	**PC 2x26 TC TOP**	28000076	103 x 67 x 31 mm	48.5 W	53.1 W	A2	0.246 A	0.230 A	0.98	0.96	75 °C	-25 ... +60 °C	65/50 °C

TC-TEL
TC-DEL

PC TC TOP sr, 1/2x18 – 42 W

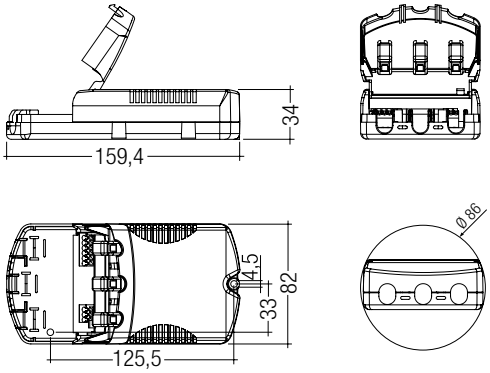
PC TOP compact

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- No tools required for installation
- Integrated terminal cover and strain relief
- 3 separate strain reliefs
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life (EOL 2)
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.6 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 230

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1x18 TC TOP sr	**28000077**	25 pc(s).	550 pc(s).	0.153 kg
PC 1x26-42 TC TOP sr	**28000079**	25 pc(s).	550 pc(s).	0.154 kg
For luminaires with 2 lamps				
PC 2x18 TC TOP sr	**28000078**	25 pc(s).	550 pc(s).	0.153 kg
PC 2x26 TC TOP sr	**28000080**	25 pc(s).	550 pc(s).	0.159 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
								220 V	240 V	220 V	240 V			
For luminaires with 1 lamp														
1 x 18 W	TC-DEL	**PC 1x18 TC TOP sr**	28000077	159.4 x 82 x 34 mm	16.5 W	18.2 W	A2	0.085 A	0.080 A	0.97	0.95	75 °C	-25 ... +65 °C	70/60 °C
1 x 18 W	TC-TEL	**PC 1x18 TC TOP sr**	28000077	159.4 x 82 x 34 mm	16.5 W	18.2 W	A2	0.085 A	0.080 A	0.97	0.95	75 °C	-25 ... +65 °C	70/60 °C
1 x 26 W	TC-DEL	**PC 1x26-42 TC TOP sr**	28000079	159.4 x 82 x 34 mm	24.0 W	26.8 W	A2	0.127 A	0.119 A	0.96	0.94	70 °C	-25 ... +60 °C	65/55 °C
1 x 26 W	TC-TEL	**PC 1x26-42 TC TOP sr**	28000079	159.4 x 82 x 34 mm	24.0 W	26.8 W	A2	0.127 A	0.119 A	0.96	0.94	70 °C	-25 ... +60 °C	65/55 °C
1 x 36 W	TC-TEL	**PC 1x26-42 TC TOP sr**	28000079	159.4 x 82 x 34 mm	32.0 W	35.1 W	A2	0.164 A	0.154 A	0.97	0.95	70 °C	-25 ... +60 °C	65/55 °C
1 x 42 W	TC-TEL	**PC 1x26-42 TC TOP sr**	28000079	159.4 x 82 x 34 mm	42.0 W	47.1 W	A2	0.218 A	0.204 A	0.98	0.96	75 °C	-25 ... +60 °C	65/50 °C
For luminaires with 2 lamps														
2 x 18 W	TC-DEL	**PC 2x18 TC TOP sr**	28000078	159.4 x 82 x 34 mm	33.0 W	34.7 W	A2	0.163 A	0.152 A	0.97	0.95	75 °C	-25 ... +65 °C	70/55 °C
2 x 18 W	TC-TEL	**PC 2x18 TC TOP sr**	28000078	159.4 x 82 x 34 mm	33.0 W	34.7 W	A2	0.163 A	0.152 A	0.97	0.95	75 °C	-25 ... +65 °C	70/55 °C
2 x 26 W	TC-DEL	**PC 2x26 TC TOP sr**	28000080	159.4 x 82 x 34 mm	48.5 W	53.1 W	A2	0.246 A	0.230 A	0.98	0.96	75 °C	-25 ... +60 °C	70/50 °C
2 x 26 W	TC-TEL	**PC 2x26 TC TOP sr**	28000080	159.4 x 82 x 34 mm	48.5 W	53.1 W	A2	0.246 A	0.230 A	0.98	0.96	75 °C	-25 ... +60 °C	70/50 °C

T5

NEW

PC T5 TEC Ip, 14 – 28 W

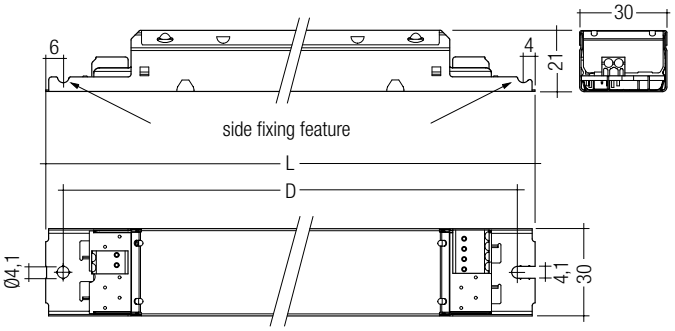
PC TEC T5

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 30,000 h (at ta 50 °C with a failure rate max. 0.3 % per 1,000 h)
- Large temperature range (for values see table)
- Lamp preheating for min. 30,000 starts without replacement of lamps (15,000 for 1x14 W application)
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Time to light	≤ 2 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 229

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PC 1x14 T5 TEC Ip	**87500211**	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.141 kg
PC 1x21 T5 TEC Ip	**87500217**	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.150 kg
PC 1x28 T5 TEC Ip	**87500215**	50 pc(s).	1,050 pc(s).	3,150 pc(s).	0.150 kg
For luminaires with 2 lamps					
PC 2x14 T5 TEC Ip	**87500212**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.155 kg
PC 2x28 T5 TEC Ip	**87500216**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.176 kg
For luminaires with 3 lamps					
PC 3x14 T5 TEC Ip	**87500213**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.164 kg
For luminaires with 4 lamps					
PC 4x14 T5 TEC Ip	**87500214**	50 pc(s).	900 pc(s).	2,700 pc(s).	0.176 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta	tc/ta for ≥ 30,000 h
									220 V	240 V	220 V	240 V			
For luminaires with 1 lamp															
1 x 14 W	T5	**PC 1x14 T5 TEC Ip**	87500211	230 x 30 x 21 mm	220 mm	13.7 W	16.5 W	A2	0.07 A	0.07 A	0.95	0.95	60 °C	-10 ... +50 °C	60/50 °C
1 x 21 W	T5	**PC 1x21 T5 TEC Ip**	87500217	230 x 30 x 21 mm	220 mm	20.7 W	23.5 W	A2	0.11 A	0.11 A	0.96	0.96	60 °C	-10 ... +50 °C	60/50 °C
1 x 28 W	T5	**PC 1x28 T5 TEC Ip**	87500215	230 x 30 x 21 mm	220 mm	27.8 W	31.5 W	A2	0.14 A	0.14 A	0.97	0.97	65 °C	-10 ... +50 °C	65/50 °C
For luminaires with 2 lamps															
2 x 14 W	T5	**PC 2x14 T5 TEC Ip**	87500212	280 x 30 x 21 mm	270 mm	27.4 W	31.0 W	A2	0.14 A	0.14 A	0.97	0.97	60 °C	-10 ... +50 °C	60/50 °C
2 x 28 W	T5	**PC 2x28 T5 TEC Ip**	87500216	280 x 30 x 21 mm	270 mm	55.6 W	61.5 W	A2	0.26 A	0.26 A	0.98	0.98	70 °C	-10 ... +50 °C	70/50 °C
For luminaires with 3 lamps															
3 x 14 W	T5	**PC 3x14 T5 TEC Ip**	87500213	280 x 30 x 21 mm	270 mm	41.1 W	46.0 W	A2	0.21 A	0.21 A	0.97	0.97	65 °C	-10 ... +50 °C	65/50 °C
For luminaires with 4 lamps															
4 x 14 W	T5	**PC 4x14 T5 TEC Ip**	87500214	280 x 30 x 21 mm	270 mm	54.8 W	61.0 W	A2	0.27 A	0.27 A	0.98	0.98	70 °C	-10 ... +50 °C	70/50 °C

T8 TC-L

NEW

PC T8 TEC, 18 – 58 W

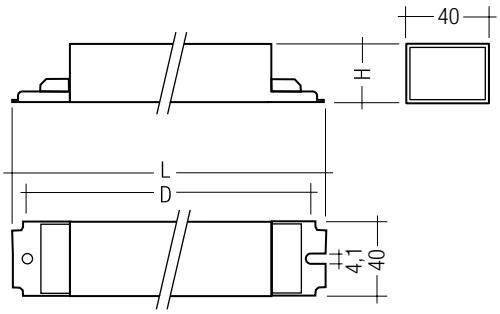
PC TEC T8

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 30,000 h (at ta 50 °C with a failure rate max. 0.3 % per 1,000 h)
- Large temperature range (for values see table)
- Lamp preheating for min. 30,000 starts without replacement of lamps
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Push terminal for rapid automatic or manual wiring
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h (280 V AC, 48 h for 2x58 W applications)
Time to light	≤ 2 s
Operating frequency	> 40 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 229

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PC 1x18 T8 TEC	**87500255**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.106 kg
PC 1x36 T8 TEC	**87500258**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.108 kg
PC 1x58 T8 TEC	**87500150**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.119 kg
For luminaires with 2 lamps					
PC 2x18 T8 TEC	**87500256**	60 pc(s).	1,260 pc(s).	3,780 pc(s).	0.108 kg
PC 2x36 T8 TEC	**87500259**	60 pc(s).	840 pc(s).	2,520 pc(s).	0.171 kg
PC 2x36/4x18 T8 TEC	**87500260**	60 pc(s).	840 pc(s).	2,520 pc(s).	0.173 kg
PC 2x58 T8 TEC	**87500151**	60 pc(s).	840 pc(s).	2,520 pc(s).	0.184 kg
For luminaires with 4 lamps					
PC 4x18 T8 TEC	**87500257**	60 pc(s).	840 pc(s).	2,520 pc(s).	0.173 kg
PC 2x36/4x18 T8 TEC	**87500260**	60 pc(s).	840 pc(s).	2,520 pc(s).	0.173 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ①	Circuit power ①	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 18 W	T8	**PC 1x18 T8 TEC**	87500255	150 x 40 x 28 mm	138 mm	17.0 W	19.0 W	A2	0.09 A	0.09 A	0.97	0.97	65 °C	-10 ... +50 °C
1 x 18 W	TC-L	**PC 1x18 T8 TEC**	87500255	150 x 40 x 28 mm	138 mm	16.0 W	18.0 W	A2	0.08 A	0.08 A	0.97	0.97	65 °C	-10 ... +50 °C
1 x 36 W	T8	**PC 1x36 T8 TEC**	87500258	150 x 40 x 28 mm	138 mm	32.0 W	35.0 W	A2	0.17 A	0.17 A	0.95	0.95	65 °C	-10 ... +50 °C
1 x 36 W	TC-L	**PC 1x36 T8 TEC**	87500258	150 x 40 x 28 mm	138 mm	31.0 W	34.0 W	A2	0.16 A	0.16 A	0.95	0.95	65 °C	-10 ... +50 °C
1 x 58 W	T8	**PC 1x58 T8 TEC**	87500150	150 x 40 x 28 mm	138 mm	50.0 W	55.0 W	A2	0.24 A	0.24 A	0.97	0.97	65 °C	-10 ... +50 °C
1 x 55 W	TC-L	**PC 1x58 T8 TEC**	87500150	150 x 40 x 28 mm	138 mm	50.0 W	55.0 W	A2	0.24 A	0.24 A	0.97	0.97	65 °C	-10 ... +50 °C
For luminaires with 2 lamps														
2 x 18 W	T8	**PC 2x18 T8 TEC**	87500256	150 x 40 x 28 mm	138 mm	32.0 W	35.0 W	A2	0.17 A	0.17 A	0.95	0.95	65 °C	-10 ... +50 °C
2 x 18 W	TC-L	**PC 2x18 T8 TEC**	87500256	150 x 40 x 28 mm	138 mm	30.5 W	34.0 W	A2	0.16 A	0.16 A	0.95	0.95	65 °C	-10 ... +50 °C
2 x 36 W	T8	**PC 2x36 T8 TEC**	87500259	210 x 40 x 30 mm	198 mm	62.0 W	67.0 W	A2	0.31 A	0.31 A	0.97	0.97	65 °C	-10 ... +50 °C
2 x 36 W	TC-L	**PC 2x36 T8 TEC**	87500259	210 x 40 x 30 mm	198 mm	61.5 W	66.5 W	A2	0.30 A	0.30 A	0.97	0.97	70 °C	-10 ... +50 °C
2 x 36 W	T8	**PC 2x36/4x18 T8 TEC**	87500260	210 x 40 x 30 mm	198 mm	62.0 W	67.0 W	A2	0.31 A	0.31 A	0.97	0.97	70 °C	-10 ... +50 °C
2 x 36 W	TC-L	**PC 2x36/4x18 T8 TEC**	87500260	210 x 40 x 30 mm	198 mm	61.5 W	66.5 W	A2	0.30 A	0.30 A	0.97	0.97	70 °C	-10 ... +50 °C
2 x 58 W	T8	**PC 2x58 T8 TEC**	87500151	210 x 40 x 30 mm	198 mm	100.0 W	107.0 W	A2	0.47 A	0.47 A	0.97	0.97	70 °C	-10 ... +50 °C
2 x 55 W	TC-L	**PC 2x58 T8 TEC**	87500151	210 x 40 x 30 mm	198 mm	100.0 W	107.0 W	A2	0.47 A	0.47 A	0.97	0.97	70 °C	-10 ... +50 °C
For luminaires with 4 lamps														
4 x 18 W	T8	**PC 4x18 T8 TEC**	87500257	210 x 40 x 30 mm	198 mm	62.0 W	67.0 W	A2	0.32 A	0.32 A	0.96	0.96	65 °C	-10 ... +50 °C
4 x 18 W	TC-L	**PC 4x18 T8 TEC**	87500257	210 x 40 x 30 mm	198 mm	59.5 W	65.5 W	A2	0.29 A	0.29 A	0.96	0.96	65 °C	-10 ... +50 °C
4 x 18 W	T8	**PC 2x36/4x18 T8 TEC**	87500260	210 x 40 x 30 mm	198 mm	62.0 W	67.0 W	A2	0.32 A	0.32 A	0.96	0.96	65 °C	-10 ... +50 °C
4 x 18 W	TC-L	**PC 2x36/4x18 T8 TEC**	87500260	210 x 40 x 30 mm	198 mm	59.5 W	65.5 W	A2	0.29 A	0.29 A	0.96	0.96	65 °C	-10 ... +50 °C

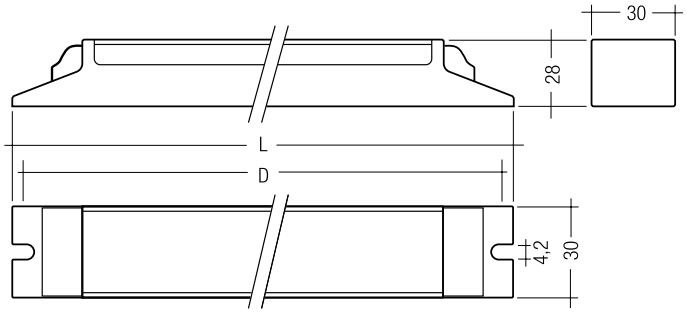
① Test result at 230 V, 50 Hz.

RoHS

T5 T8

PC INDUSTRY, 35 – 80 W
PC INDUSTRY





Product description
- CELMA Energy Efficiency Index A2
- Nominal life time up to 200,000 h (at ta 50 °C with a failure rate max. 0.05 % per 1,000 h)
- Large temperature range (for values see table)
- Suitable for mains voltage peaks (burst/surge) up to 4 kV
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 1.5 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

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Product / function matrix, page 226

Lamp matrix, page 231

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PC 1/35 T5 INDUSTRY	**86459171**	25 pc(s).	600 pc(s).	0.430 kg
PC 1/36 T8 INDUSTRY	**86458035**	25 pc(s).	600 pc(s).	0.418 kg
PC 1/49 T5 INDUSTRY	**86458039**	25 pc(s).	600 pc(s).	0.419 kg
PC 1/54 T5 INDUSTRY	**86458041**	25 pc(s).	600 pc(s).	0.419 kg
PC 1/58 T8 INDUSTRY	**86458037**	25 pc(s).	600 pc(s).	0.418 kg
PC 1/80 T5 INDUSTRY	**86458043**	25 pc(s).	600 pc(s).	0.413 kg
For luminaires with 2 lamps				
PC 2/35 T5 INDUSTRY	**86459172**	25 pc(s).	600 pc(s).	0.459 kg
PC 2/36 T8 INDUSTRY	**86458036**	25 pc(s).	600 pc(s).	0.428 kg
PC 2/49 T5 INDUSTRY	**86458040**	25 pc(s).	600 pc(s).	0.459 kg
PC 2/54 T5 INDUSTRY	**86458042**	25 pc(s).	600 pc(s).	0.430 kg
PC 2/58 T8 INDUSTRY	**86458038**	25 pc(s).	600 pc(s).	0.585 kg
PC 2/80 T5 INDUSTRY	**86458044**	25 pc(s).	600 pc(s).	0.523 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 28 W	T5	**PC 1/35 T5 INDUSTRY**	86459171	456 x 30 x 28 mm	445 mm	27.9 W	32.6 W	A2	0.16 A	0.15 A	0.97	0.96	75 °C	-30 ... +70 °C
1 x 35 W	T5	**PC 1/35 T5 INDUSTRY**	86459171	456 x 30 x 28 mm	445 mm	35.0 W	39.0 W	A2	0.18 A	0.17 A	0.99	0.97	75 °C	-30 ... +70 °C
1 x 36 W	T8	**PC 1/36 T8 INDUSTRY**	86458035	456 x 30 x 28 mm	445 mm	32.0 W	36.5 W	A2	0.17 A	0.16 A	0.96	0.94	76 °C	-30 ... +70 °C
1 x 49 W	T5	**PC 1/49 T5 INDUSTRY**	86458039	456 x 30 x 28 mm	445 mm	49.0 W	56.0 W	A2	0.27 A	0.25 A	0.96	0.95	77 °C	-30 ... +70 °C
1 x 54 W	T5	**PC 1/54 T5 INDUSTRY**	86458041	456 x 30 x 28 mm	445 mm	54.0 W	60.0 W	A2	0.28 A	0.26 A	0.97	0.96	79 °C	-30 ... +70 °C
1 x 58 W	T8	**PC 1/58 T8 INDUSTRY**	86458037	456 x 30 x 28 mm	445 mm	50.0 W	55.5 W	A2	0.26 A	0.24 A	0.97	0.96	80 °C	-30 ... +70 °C
1 x 80 W	T5	**PC 1/80 T5 INDUSTRY**	86458043	456 x 30 x 28 mm	445 mm	80.0 W	88.0 W	A2	0.41 A	0.38 A	0.98	0.97	80 °C	-30 ... +70 °C
For luminaires with 2 lamps														
2 x 28 W	T5	**PC 2/35 T5 INDUSTRY**	86459172	456 x 30 x 28 mm	445 mm	55.8 W	63.8 W	A2	0.30 A	0.28 A	0.97	0.96	75 °C	-30 ... +70 °C
2 x 35 W	T5	**PC 2/35 T5 INDUSTRY**	86459172	456 x 30 x 28 mm	445 mm	70.0 W	78.0 W	A2	0.36 A	0.34 A	0.99	0.97	80 °C	-30 ... +70 °C
2 x 36 W	T8	**PC 2/36 T8 INDUSTRY**	86458036	456 x 30 x 28 mm	445 mm	64.0 W	74.5 W	A2	0.35 A	0.32 A	0.97	0.97	82 °C	-30 ... +70 °C
2 x 49 W	T5	**PC 2/49 T5 INDUSTRY**	86458040	456 x 30 x 28 mm	445 mm	98.0 W	107.0 W	A2	0.50 A	0.46 A	0.98	0.97	77 °C	-30 ... +70 °C
2 x 54 W	T5	**PC 2/54 T5 INDUSTRY**	86458042	456 x 30 x 28 mm	445 mm	106.5 W	115.0 W	A2	0.51 A	0.48 A	0.99	0.97	79 °C	-30 ... +70 °C
2 x 58 W	T8	**PC 2/58 T8 INDUSTRY**	86458038	456 x 30 x 28 mm	445 mm	100.0 W	108.0 W	A2	0.50 A	0.46 A	0.98	0.98	83 °C	-30 ... +70 °C
2 x 80 W	T5	**PC 2/80 T5 INDUSTRY**	86458044	456 x 30 x 28 mm	445 mm	160.0 W	172.0 W	A2	0.79 A	0.73 A	0.99	0.98	84 °C	-30 ... +60 °C

T5 T8 TC-F TC-L T5c

PC T5 PRO-M lp, 14 – 80 W

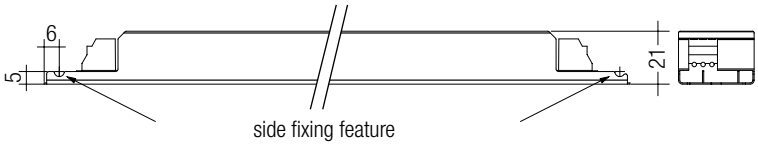
PC PRO-M (T5)

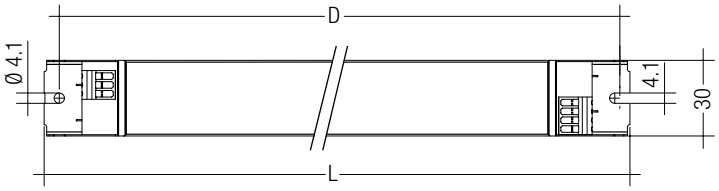
Product description

- CELMA Energy Efficiency Index A2 BAT / A2
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.1 % per 1,000 h)
- Large temperature range (for values see table)
- Integrated lamp detection
- Operation of T5 lamps of the same length
- Constant luminous flux irrespective of fluctuations in mains voltage
- For luminaires of protection class I and protection class II
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Insulation Displacement Connection (IDC) terminal for rapid automatic or manual wiring
- For emergency lighting systems as per EN 50172
- For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- Temperature protection as per EN 61347-2-3 C5e

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







Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Defined warm start	≤ 0.5 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

→

Product / function matrix, page 226

Lamp matrix, page 231 and page 232

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PC 1/14-35/24/39 T5 PRO-M lp	**22176182**	10 pieces	760 pieces	0.243 kg
PC 1/14-35/49/54 T5 PRO-M lp	**22176183**	10 pieces	760 pieces	0.246 kg
PC 1/14-35/49/80 T5 PRO-M lp	**22176184**	10 pieces	760 pieces	0.259 kg
For luminaires with 2 lamps				
PC 2/14-21/24/39 T5 PRO-M lp	**22176185**	10 pieces	760 pieces	0.262 kg
PC 2/14-35/49/54 T5 PRO-M lp	**22176186**	10 pieces	760 pieces	0.269 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 14 W	T5	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	14.0 W	16.5 W	A2	0.090 A	0.08 A	0.89	0.85	75 °C	-25 ... +65 °C
1 x 21 W	T5	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	20.6 W	23.0 W	A2 BAT	0.110 A	0.11 A	0.92	0.90	75 °C	-25 ... +65 °C
1 x 24 W	T5	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	22.5 W	25.0 W	A2 BAT	0.120 A	0.11 A	0.97	0.95	75 °C	-25 ... +60 °C
1 x 28 W	T5	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	27.9 W	31.0 W	A2	0.150 A	0.14 A	0.97	0.95	75 °C	-25 ... +60 °C
1 x 35 W	T5	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	35.5 W	39.0 W	A2	0.180 A	0.17 A	0.98	0.96	75 °C	-25 ... +60 °C
1 x 39 W	T5	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	38.0 W	41.0 W	A2 BAT	0.190 A	0.18 A	0.98	0.96	75 °C	-25 ... +60 °C
1 x 22 W	T5c	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	23.5 W	25.5 W	A2	0.120 A	0.11 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 40 W	T5c	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	40.0 W	43.0 W	A2 BAT	0.200 A	0.19 A	0.98	0.96	75 °C	-25 ... +60 °C
1 x 18 W	T8	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	17.0 W	18.5 W	A2	0.090 A	0.09 A	0.91	0.89	75 °C	-25 ... +65 °C
1 x 30 W	T8	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	26.5 W	29.5 W	A2 BAT	0.140 A	0.13 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 36 W	T8	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	32.0 W	34.5 W	A2 BAT	0.160 A	0.15 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 18 W	TC-F	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	15.5 W	16.5 W	A2	0.080 A	0.08 A	0.91	0.89	75 °C	-25 ... +65 °C
1 x 24 W	TC-F	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	23.0 W	25.0 W	A2	0.120 A	0.11 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 36 W	TC-F	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	30.5 W	33.0 W	A2 BAT	0.150 A	0.14 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 18 W	TC-L	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	15.5 W	17.0 W	A2	0.090 A	0.08 A	0.91	0.89	75 °C	-25 ... +65 °C
1 x 24 W	TC-L	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	23.0 W	24.5 W	A2 BAT	0.110 A	0.11 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 36 W	TC-L	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	30.5 W	33.0 W	A2 BAT	0.150 A	0.14 A	0.97	0.95	75 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PC 1/14-35/24/39 T5 PRO-M lp**	22176182	360 x 30 x 21 mm	350 mm	40.0 W	42.0 W	A2 BAT	0.190 A	0.18 A	0.98	0.96	75 °C	-25 ... +60 °C
1 x 14 W	T5	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	14.0 W	16.5 W	A2	0.085 A	0.08 A	0.89	0.85	75 °C	-25 ... +65 °C
1 x 21 W	T5	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	20.6 W	23.0 W	A2	0.120 A	0.11 A	0.92	0.90	75 °C	-25 ... +60 °C
1 x 28 W	T5	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	27.9 W	31.0 W	A2	0.150 A	0.14 A	0.97	0.95	75 °C	-25 ... +60 °C
1 x 35 W	T5	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	35.5 W	39.0 W	A2	0.180 A	0.17 A	0.98	0.96	75 °C	-25 ... +55 °C
1 x 49 W	T5	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	49.2 W	52.5 W	A2 BAT	0.240 A	0.23 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 54 W	T5	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	54.1 W	58.0 W	A2 BAT	0.270 A	0.25 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 58 W	T8	**PC 1/14-35/49/54 T5 PRO-M lp**	22176183	360 x 30 x 21 mm	350 mm	50.0 W	54.0 W	A2 BAT	0.250 A	0.23 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 14 W	T5	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	14.0 W	16.5 W	A2	0.085 A	0.08 A	0.89	0.85	75 °C	-25 ... +60 °C
1 x 21 W	T5	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	20.6 W	24.0 W	A2	0.120 A	0.11 A	0.92	0.90	75 °C	-25 ... +60 °C
1 x 28 W	T5	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	27.9 W	31.5 W	A2	0.150 A	0.14 A	0.97	0.95	75 °C	-25 ... +60 °C
1 x 35 W	T5	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	35.5 W	39.0 W	A2	0.180 A	0.17 A	0.98	0.96	70 °C	-25 ... +55 °C
1 x 49 W	T5	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	49.2 W	53.5 W	A2 BAT	0.250 A	0.23 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 80 W	T5	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	79.8 W	85.0 W	A2 BAT	0.390 A	0.37 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 55 W	T5c	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	55.0 W	59.5 W	A2 BAT	0.280 A	0.26 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 55 W	TC-L	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	55.0 W	59.0 W	A2 BAT	0.270 A	0.25 A	0.99	0.97	75 °C	-25 ... +55 °C
1 x 80 W	TC-L	**PC 1/14-35/49/80 T5 PRO-M lp**	22176184	360 x 30 x 21 mm	350 mm	80.0 W	84.0 W	A2 BAT	0.390 A	0.36 A	0.99	0.97	75 °C	-25 ... +55 °C
For luminaires with 2 lamps														
2 x 14 W	T5	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	28.0 W	32.0 W	A2 BAT	0.150 A	0.14 A	0.96	0.94	75 °C	-25 ... +60 °C
2 x 21 W	T5	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	41.2 W	47.0 W	A2 BAT	0.220 A	0.21 A	0.97	0.95	70 °C	-25 ... +50 °C
2 x 24 W	T5	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	45.0 W	49.0 W	A2	0.230 A	0.21 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 39 W	T5	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	76.0 W	82.0 W	A2 BAT	0.380 A	0.35 A	0.99	0.97	75 °C	-25 ... +55 °C
2 x 22 W	T5c	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	46.5 W	48.0 W	A2 BAT	0.220 A	0.21 A	0.98	0.96	75 °C	-25 ... +60 °C
2 x 40 W	T5c	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	80.0 W	85.0 W	A2 BAT	0.390 A	0.37 A	0.99	0.97	75 °C	-25 ... +55 °C
2 x 18 W	T8	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	32.0 W	35.0 W	A2 BAT	0.170 A	0.16 A	0.96	0.94	75 °C	-25 ... +60 °C
2 x 36 W	T8	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	64.0 W	68.5 W	A2 BAT	0.320 A	0.30 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 18 W	TC-F	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	32.0 W	34.0 W	A2 BAT	0.160 A	0.15 A	0.96	0.94	75 °C	-25 ... +60 °C
2 x 24 W	TC-F	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	46.0 W	47.5 W	A2 BAT	0.220 A	0.21 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 36 W	TC-F	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	61.0 W	67.5 W	A2 BAT	0.310 A	0.29 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 18 W	TC-L	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	32.0 W	35.0 W	A2 BAT	0.170 A	0.16 A	0.96	0.94	75 °C	-25 ... +60 °C
2 x 24 W	TC-L	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	46.0 W	47.5 W	A2 BAT	0.220 A	0.21 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 36 W	TC-L	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	61.0 W	67.5 W	A2 BAT	0.310 A	0.29 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 40 W	TC-L	**PC 2/14-21/24/39 T5 PRO-M lp**	22176185	360 x 30 x 21 mm	350 mm	80.0 W	84.5 W	A2 BAT	0.390 A	0.36 A	0.99	0.97	75 °C	-25 ... +55 °C
2 x 14 W	T5	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	28.0 W	32.0 W	A2 BAT	0.150 A	0.14 A	0.96	0.94	75 °C	-25 ... +60 °C
2 x 21 W	T5	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	41.2 W	45.0 W	A2 BAT	0.210 A	0.20 A	0.97	0.95	75 °C	-25 ... +60 °C
2 x 28 W	T5	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	55.8 W	61.0 W	A2 BAT	0.280 A	0.26 A	0.98	0.96	75 °C	-25 ... +55 °C
2 x 35 W	T5	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	71.0 W	76.5 W	A2	0.350 A	0.33 A	0.98	0.96	70 °C	-25 ... +50 °C
2 x 49 W	T5	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	98.4 W	105.0 W	A2 BAT	0.480 A	0.45 A	0.99	0.97	75 °C	-25 ... +50 °C
2 x 54 W	T5	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	108.2 W	117.0 W	A2 BAT	0.540 A	0.50 A	0.99	0.97	75 °C	-25 ... +50 °C
2 x 58 W	T8	**PC 2/14-35/49/54 T5 PRO-M lp**	22176186	360 x 30 x 21 mm	350 mm	100.0 W	108.0 W	A2 BAT	0.500 A	0.46 A	0.99	0.97	70 °C	-25 ... +50 °C

T5 TC-DEL TC-SEL TC-TEL TC-DD

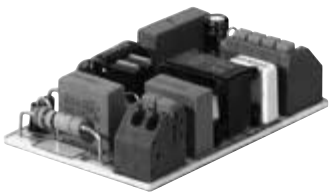
PC BASIC, 4 – 28 W

PC BASIC

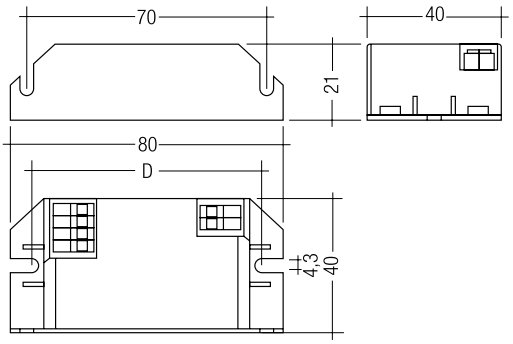
Product description

- CELMA Energy Efficiency Index A2 / A3
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Temperature protection as per EN 61347-2-3 C5e

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







Technical data

AC voltage range	198 – 264 V
DC voltage range	176 – 264 V (lamp start ≥ 198 V DC)
Overvoltage protection	270 V AC, 360 h
Defined warm start	≤ 2 s
Operating frequency	≥ 40 kHz
Type of protection	IP20 (except PCB versions)

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Product / function matrix, page 226

Lamp matrix, page 231 and page 232

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PC 1x4-13 W BASIC	**24138831**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.042 kg
PC 1x5-16 W BASIC	**24138830**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.042 kg
PC 1x5-16 W BASIC PCB ②	**24138836**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.026 kg
PC 1x18 W BASIC	**24138829**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.041 kg
PC 1x26 W BASIC ①	**22176208**	25 pc(s).	1,100 pc(s).	7,700 pc(s).	0.048 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 4 W	T5	**PC 1x4-13 W BASIC**	24138831	80.0 x 40.0 x 21 mm	70 mm	3.5 W	5.0 W	A2	0.045 A	0.043 A	0.51	0.48	80 °C	-25 ... +50 °C
1 x 6 W	T5	**PC 1x4-13 W BASIC**	24138831	80.0 x 40.0 x 21 mm	70 mm	5.0 W	7.0 W	A2	0.059 A	0.057 A	0.54	0.51	80 °C	-25 ... +50 °C
1 x 8 W	T5	**PC 1x4-13 W BASIC**	24138831	80.0 x 40.0 x 21 mm	70 mm	6.5 W	8.5 W	A2	0.067 A	0.063 A	0.58	0.56	80 °C	-25 ... +50 °C
1 x 13 W	T5	**PC 1x4-13 W BASIC**	24138831	80.0 x 40.0 x 21 mm	70 mm	11.0 W	15.5 W	A3	0.114 A	0.106 A	0.62	0.61	80 °C	-25 ... +50 °C
1 x 10 W	TC-DD	**PC 1x4-13 W BASIC**	24138831	80.0 x 40.0 x 21 mm	70 mm	9.0 W	11.5 W	A3	0.087 A	0.081 A	0.60	0.59	80 °C	-25 ... +50 °C
1 x 16 W	TC-DD	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	14.0 W	18.0 W	A3	0.130 A	0.121 A	0.63	0.62	85 °C	-25 ... +50 °C
1 x 10 W	TC-DEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	8.5 W	11.5 W	A3	0.089 A	0.084 A	0.59	0.57	85 °C	-25 ... +50 °C
1 x 13 W	TC-DEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	12.0 W	15.5 W	A3	0.112 A	0.106 A	0.63	0.61	85 °C	-25 ... +50 °C
1 x 5 W	TC-SEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	4.5 W	6.5 W	A2	0.055 A	0.051 A	0.54	0.53	85 °C	-25 ... +50 °C
1 x 7 W	TC-SEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	6.0 W	8.0 W	A2	0.065 A	0.063 A	0.56	0.53	85 °C	-25 ... +50 °C
1 x 9 W	TC-SEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	7.5 W	10.0 W	A2	0.078 A	0.073 A	0.58	0.57	85 °C	-25 ... +50 °C
1 x 11 W	TC-SEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	11.0 W	15.0 W	A3	0.110 A	0.104 A	0.62	0.60	85 °C	-25 ... +50 °C
1 x 13 W	TC-TEL	**PC 1x5-16 W BASIC**	24138830	80.0 x 40.0 x 21 mm	70 mm	11.5 W	15.5 W	A3	0.112 A	0.106 A	0.63	0.61	85 °C	-25 ... +50 °C
1 x 16 W	TC-DD	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	14.0 W	18.0 W	A3	0.130 A	0.121 A	0.63	0.62	– ③	-25 ... +50 °C
1 x 10 W	TC-DEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	8.5 W	11.5 W	A3	0.089 A	0.084 A	0.59	0.57	– ③	-25 ... +50 °C
1 x 13 W	TC-DEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	12.0 W	15.5 W	A3	0.112 A	0.106 A	0.63	0.61	– ③	-25 ... +50 °C
1 x 5 W	TC-SEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	4.5 W	6.5 W	A2	0.055 A	0.051 A	0.54	0.53	– ③	-25 ... +50 °C
1 x 7 W	TC-SEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	6.0 W	8.0 W	A2	0.065 A	0.063 A	0.56	0.53	– ③	-25 ... +50 °C
1 x 9 W	TC-SEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	7.5 W	10.0 W	A2	0.078 A	0.073 A	0.58	0.57	– ③	-25 ... +50 °C
1 x 11 W	TC-SEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	11.0 W	15.0 W	A3	0.110 A	0.104 A	0.62	0.60	– ③	-25 ... +50 °C
1 x 13 W	TC-TEL	**PC 1x5-16 W BASIC PCB** ②	24138836	54.5 x 36.5 x 17 mm	–	11.5 W	15.5 W	A3	0.112 A	0.106 A	0.63	0.61	– ③	-25 ... +50 °C
1 x 18 W	TC-DEL	**PC 1x18 W BASIC**	24138829	80.0 x 40.0 x 21 mm	70 mm	15.5 W	19.0 W	A3	0.135 A	0.128 A	0.64	0.62	85 °C	-25 ... +50 °C
1 x 18 W	TC-TEL	**PC 1x18 W BASIC**	24138829	80.0 x 40.0 x 21 mm	70 mm	15.0 W	19.0 W	A3	0.135 A	0.128 A	0.64	0.62	85 °C	-25 ... +50 °C
1 x 28 W	TC-DD	**PC 1x26 W BASIC** ①	22176208	80.0 x 40.0 x 21 mm	70 mm	21.5 W	25.0 W	A2	0.180 A	0.170 A	0.62	0.61	80 °C	-25 ... +45 °C
1 x 26 W	TC-DEL	**PC 1x26 W BASIC**	22176208	80.0 x 40.0 x 21 mm	70 mm	20.5 W	24.0 W	A2	0.180 A	0.170 A	0.62	0.61	80 °C	-25 ... +50 °C
1 x 26 W	TC-TEL	**PC 1x26 W BASIC**	22176208	80.0 x 40.0 x 21 mm	70 mm	21.0 W	24.5 W	A2	0.180 A	0.170 A	0.62	0.61	80 °C	-25 ... +50 °C

① Art. no. 22176208, lamp type TC-DD: For enclosed luminaires to fulfil the requirement of circuit power ≤ 25 W according to EN 61000-3-2. For AC operation only.
② Printed circuit board without case.
③ For temperature information of the printed board version, see data sheet.

RoHS

T5 T8 TC-DEL TC-SEL TC-TEL TC-F TC-L TC-DD T5c

PC BASIC sl, 4 – 28 W

PC BASIC

Product description

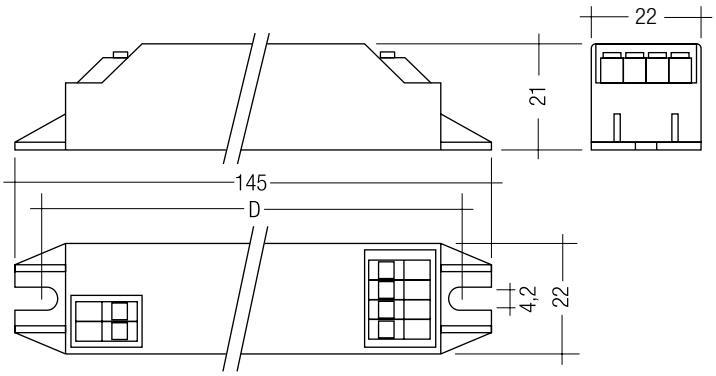
- CELMA Energy Efficiency Index A2 / A3
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- Temperature protection as per EN 61347-2-3 C5e

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



Technical data

AC voltage range	198 – 264 V
DC voltage range	176 – 264 V (lamp start ≥ 198 V DC)
Overvoltage protection	270 V AC, 360 h
Defined warm start	≤ 2 s
Operating frequency	≥ 40 kHz
Type of protection	IP20



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Product / function matrix, page 226

Lamp matrix, page 231 and page 232

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PC 1x4-13 W BASIC sl	**24138834**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.044 kg
PC 1x5-16 W BASIC sl	**24138833**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.045 kg
PC 1x18 W BASIC sl	**24138832**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.045 kg
PC 1x18-24 W BASIC sl	**22176000**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.052 kg
PC 1x14-21 W BASIC sl	**22176001**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.050 kg
PC 1x26 W BASIC sl ①	**22176002**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.052 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 4 W	T5	**PC 1x4-13 W BASIC sl**	24138834	145 x 22 x 21 mm	136 mm	3.5 W	5.0 W	A2	0.045 A	0.043 A	0.51	0.48	85 °C	-25 ... +60 °C
1 x 6 W	T5	**PC 1x4-13 W BASIC sl**	24138834	145 x 22 x 21 mm	136 mm	5.0 W	7.0 W	A2	0.059 A	0.057 A	0.54	0.51	85 °C	-25 ... +60 °C
1 x 8 W	T5	**PC 1x4-13 W BASIC sl**	24138834	145 x 22 x 21 mm	136 mm	6.5 W	8.5 W	A2	0.067 A	0.063 A	0.58	0.56	85 °C	-25 ... +60 °C
1 x 13 W	T5	**PC 1x4-13 W BASIC sl**	24138834	145 x 22 x 21 mm	136 mm	11.0 W	15.5 W	A3	0.114 A	0.106 A	0.62	0.61	85 °C	-25 ... +60 °C
1 x 10 W	TC-DD	**PC 1x4-13 W BASIC sl**	24138834	145 x 22 x 21 mm	136 mm	9.0 W	11.5 W	A3	0.087 A	0.081 A	0.60	0.59	85 °C	-25 ... +60 °C
1 x 16 W	TC-DD	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	14.0 W	18.0 W	A3	0.130 A	0.121 A	0.63	0.62	90 °C	-25 ... +60 °C
1 x 10 W	TC-DEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	8.5 W	11.5 W	A3	0.089 A	0.084 A	0.59	0.57	90 °C	-25 ... +60 °C
1 x 13 W	TC-DEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	11.8 W	15.5 W	A3	0.112 A	0.106 A	0.63	0.61	90 °C	-25 ... +60 °C
1 x 5 W	TC-SEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	4.5 W	6.5 W	A2	0.055 A	0.051 A	0.54	0.53	90 °C	-25 ... +60 °C
1 x 7 W	TC-SEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	6.0 W	8.0 W	A2	0.065 A	0.063 A	0.56	0.53	90 °C	-25 ... +60 °C
1 x 9 W	TC-SEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	7.5 W	10.0 W	A2	0.078 A	0.073 A	0.58	0.57	90 °C	-25 ... +60 °C
1 x 11 W	TC-SEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	11.0 W	15.0 W	A3	0.110 A	0.104 A	0.62	0.60	90 °C	-25 ... +60 °C
1 x 13 W	TC-TEL	**PC 1x5-16 W BASIC sl**	24138833	145 x 22 x 21 mm	136 mm	12.0 W	15.5 W	A3	0.112 A	0.106 A	0.63	0.61	90 °C	-25 ... +60 °C
1 x 18 W	TC-DEL	**PC 1x18 W BASIC sl**	24138832	145 x 22 x 21 mm	136 mm	15.5 W	19.0 W	A3	0.135 A	0.128 A	0.64	0.62	90 °C	-25 ... +60 °C
1 x 18 W	TC-TEL	**PC 1x18 W BASIC sl**	24138832	145 x 22 x 21 mm	136 mm	15.0 W	19.0 W	A3	0.135 A	0.128 A	0.64	0.62	90 °C	-25 ... +60 °C
1 x 14 W	T5	**PC 1x14-21 W BASIC sl**	22176001	145 x 22 x 21 mm	136 mm	12.5 W	14.5 W	A2	0.117 A	0.120 A	0.58	0.57	85 °C	-25 ... +60 °C
1 x 21 W	T5	**PC 1x14-21 W BASIC sl**	22176001	145 x 22 x 21 mm	136 mm	17.5 W	20.0 W	A2	0.147 A	0.151 A	0.60	0.60	85 °C	-25 ... +60 °C
1 x 24 W	T5	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	21.5 W	25.0 W	A2	0.180 A	0.170 A	0.62	0.61	85 °C	-25 ... +60 °C
1 x 22 W	T5c	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	21.5 W	23.5 W	A2	0.180 A	0.170 A	0.62	0.61	85 °C	-25 ... +60 °C
1 x 18 W	T8	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	15.5 W	18.0 W	A2	0.140 A	0.130 A	0.60	0.58	85 °C	-25 ... +60 °C
1 x 18 W	TC-F	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	13.0 W	16.0 W	A2	0.120 A	0.120 A	0.58	0.57	85 °C	-25 ... +60 °C
1 x 24 W	TC-F	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	19.0 W	22.5 W	A3	0.170 A	0.150 A	0.61	0.60	85 °C	-25 ... +60 °C
1 x 18 W	TC-L	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	14.0 W	16.5 W	A2	0.130 A	0.120 A	0.59	0.58	85 °C	-25 ... +60 °C
1 x 24 W	TC-L	**PC 1x18-24 W BASIC sl**	22176000	145 x 22 x 21 mm	136 mm	21.5 W	24.0 W	A3	0.180 A	0.170 A	0.62	0.61	85 °C	-25 ... +60 °C
1 x 28 W	TC-DD	**PC 1x26 W BASIC sl** ①	22176002	145 x 22 x 21 mm	136 mm	21.5 W	25.0 W	A2	0.180 A	0.170 A	0.62	0.61	90 °C	-25 ... +50 °C
1 x 26 W	TC-DEL	**PC 1x26 W BASIC sl**	22176002	145 x 22 x 21 mm	136 mm	20.5 W	24.0 W	A2	0.180 A	0.170 A	0.62	0.61	90 °C	-25 ... +60 °C
1 x 26 W	TC-TEL	**PC 1x26 W BASIC sl**	22176002	145 x 22 x 21 mm	136 mm	21.0 W	24.5 W	A2	0.180 A	0.170 A	0.62	0.61	90 °C	-25 ... +60 °C

① Art. no. 22176002, lamp type TC-DD: For enclosed luminaires to fulfil the requirement of circuit power ≤ 25 W according to EN 61000-3-2. For AC operation only.

T5

PC BASIC sl, 8 W

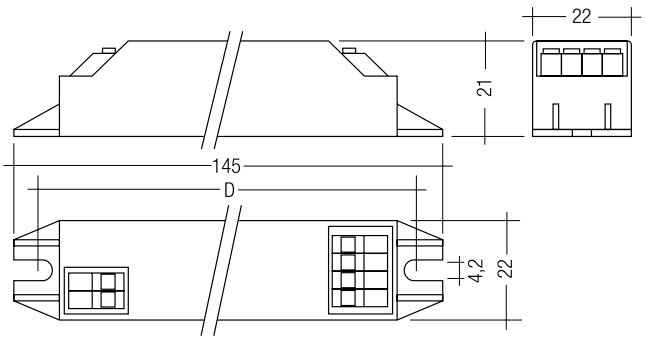
PC BASIC

Product description

- CELMA Energy Efficiency Index A2
- Nominal life time up to 50,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Large temperature range (for values see table)
- Automatic start after replacement of defective lamps
- Safety shutdown of defective lamps and at end of lamp life
- For emergency lighting systems as per EN 50172
- Temperature protection as per EN 61347-2-3 C5e

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





Technical data

AC voltage range	198 – 264 V
DC voltage range	176 – 264 V (lamp start ≥ 198 V DC)
Overvoltage protection	270 V AC, 360 h
Defined warm start	≤ 1 s
Operating frequency	≥ 40 kHz
Type of protection	IP20

Product / function matrix, page 226

Lamp matrix, page 231

Wiring diagrams and installation examples, page 270

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PC 1x8 W BASIC sl	**22176026**	25 pc(s).	1,150 pc(s).	8,050 pc(s).	0.045 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	EEI	Current at 50 Hz		λ at 50 Hz		tc point max.	Ambient temperature ta
									220 V	240 V	220 V	240 V		
For luminaires with 1 lamp														
1 x 8 W	T5	**PC 1x8 W BASIC sl**	22176026	145 x 22 x 21 mm	136 mm	6.8 W	8.7 W	A2	0.075 A	0.071 A	0.53	0.51	80 °C	-25 ... +60 °C

RoHS

PC compact gear box
Accessories

Product description

- Box for compact electronic ballasts
- Surface mounted casing for all compact casing sizes in the “fixed output”, “dimming” and “emergency lighting” product ranges (except PC BASIC)
- No tools required for installation
- 2 cable clamps on the mains side
- Suitable for through-wiring
- Slot for luminaire terminal
- Fixing option on the mains side
- Ideal for ceiling openings of diameter ≥ 150 mm and for mounting depths ≥ 100 mm
- Available as upper and lower sections

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

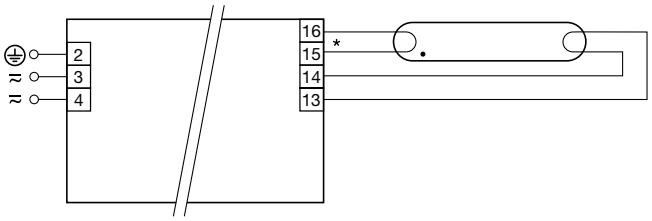


Ordering data

Type	Article number	Dimensions L x W x H	Packaging, carton	Packaging, pallet	Weight per pc.
PC Ballast box, upper section	**24138824**	278 x 114 x 55 mm	480 pc(s).	480 pc(s).	0.107 kg
PC Ballast box, lower section	**24138825**	278 x 114 x 55 mm	500 pc(s).	500 pc(s).	0.087 kg

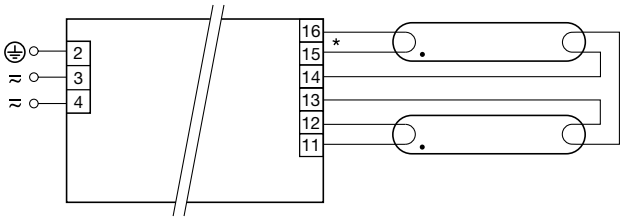
PC T5 PRO lp

PC 1x... T5 PRO lp



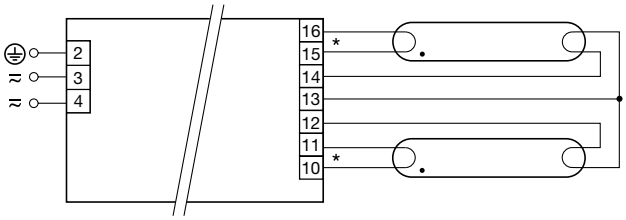
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x24 T5 PRO lp / PC 2x39 T5 PRO lp / PC 2x54 T5 PRO lp / PC 2x80 T5 PRO lp / PC 2x55 TCL PRO lp



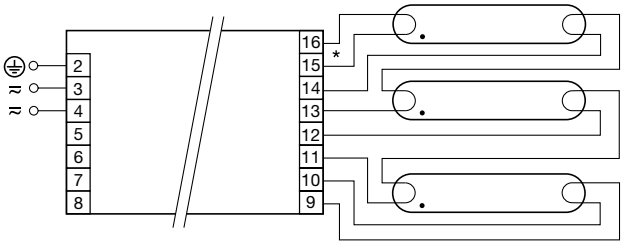
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x14-35 T5 PRO lp / PC 2x49 T5 PRO lp



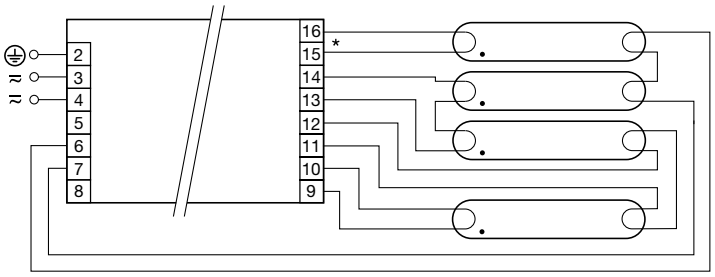
* leads 10, 11, 15, 16 max. 1.0 m (< 100 pF)
leads 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 3x14/24 T5 PRO lp



* leads 15, 16 max. 1.0 m (< 100 pF)
leads 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

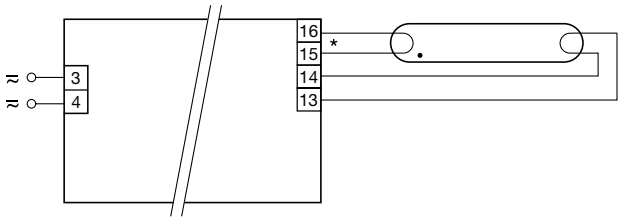
PC 4x14/24 T5 PRO lp



* leads 15, 16 max. 1.0 m (< 100 pF)
leads 6, 7, 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

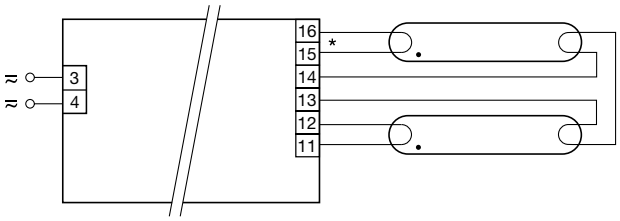
PC T8 PRO lp, PC T8 PRO sl

PC 1x... T8 PRO lp



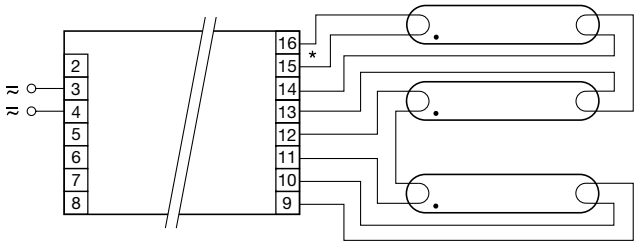
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x... T8 PRO lp/sl



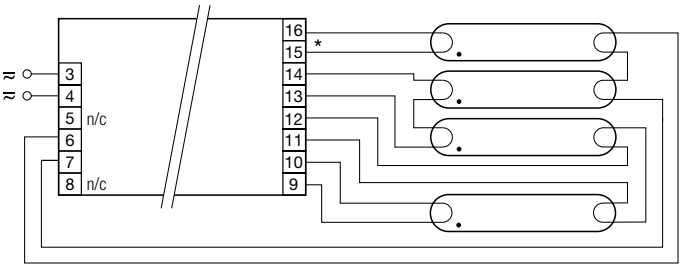
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 3/4x18 T8 PRO lp (3x18W)



* leads 15, 16 max. 1.0 m (< 100 pF)
leads 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

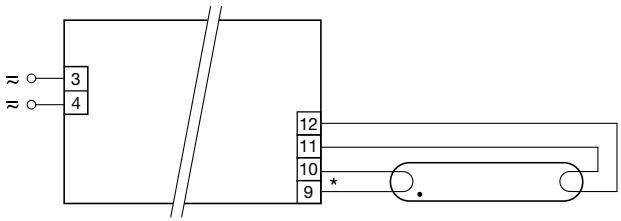
PC 3/4x18 T8 PRO lp (4x18W)



* leads 9, 10, 15, 16 max. 1.0 m (< 100 pF)
leads 6, 7, 11, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

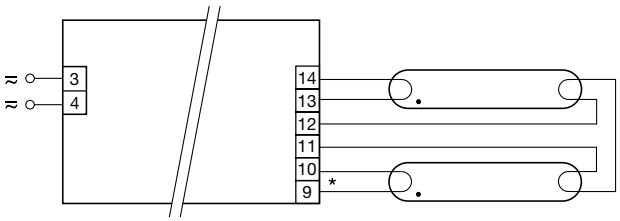
PC T8 PRO

PC 1x30 T8 PRO / PC 1x70 T8 PRO / PC 1/... TCL PRO



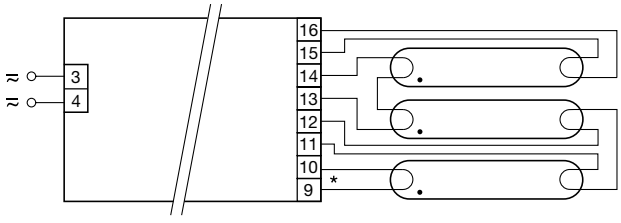
* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x30 T8 PRO / PC 2x70 T8 PRO / PC 2/... TCL PRO



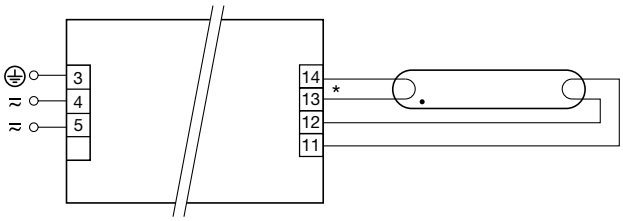
* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 3x36 T8 PRO



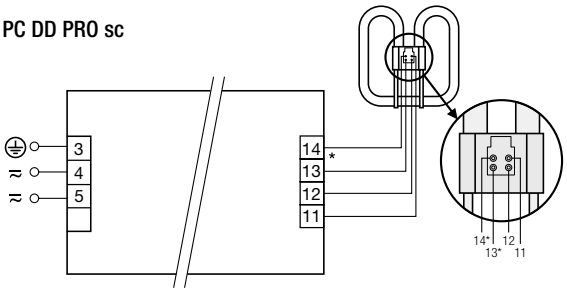
* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14, 15, 16 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC T8 PRO sc



* leads 13, 14 max. 1.0 m (< 100 pF)
leads 11, 12 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

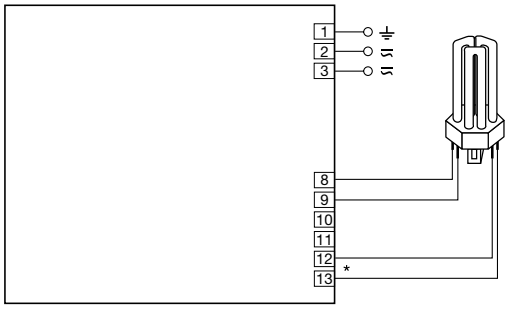
PC DD PRO sc



* leads 13, 14 max. 1.0 m (< 100 pF)
leads 11, 12 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

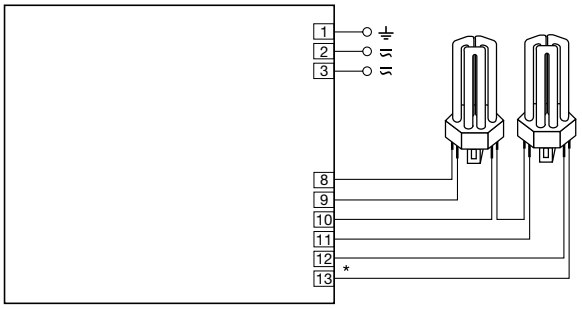
PC TC PRO

PC TC PRO with 1 lamp



* leads 8, 9 max. 1.0 m (< 100 pF)
leads 4, 5 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

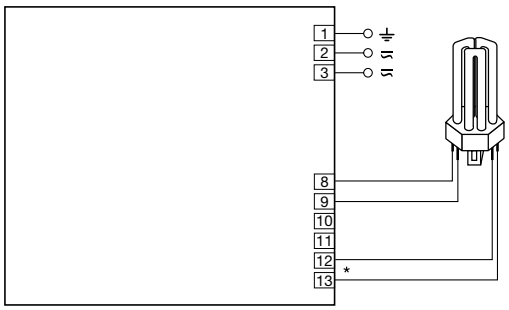
PC TC PRO with 2 lamps



* leads 8, 9 max. 1.0 m (< 100 pF)
leads 4, 5, 6, 7 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

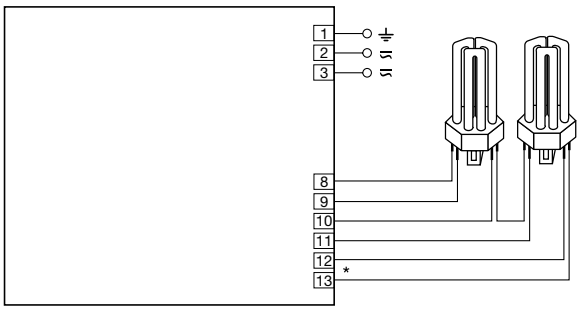
PC TC PRO sr

PC TC PRO sr with 1 lamp



* leads 8, 9 max. 1.0 m (< 100 pF)
leads 4, 5 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

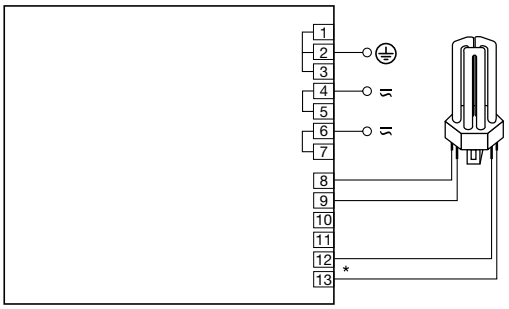
PC TC PRO sr with 2 lamps



* leads 8, 9 max. 1.0 m (< 100 pF)
leads 4, 5, 6, 7 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

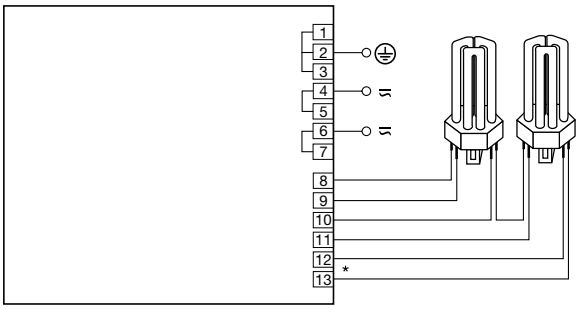
PC TC PRO sr+

PC TC PRO sr+ with 1 lamp



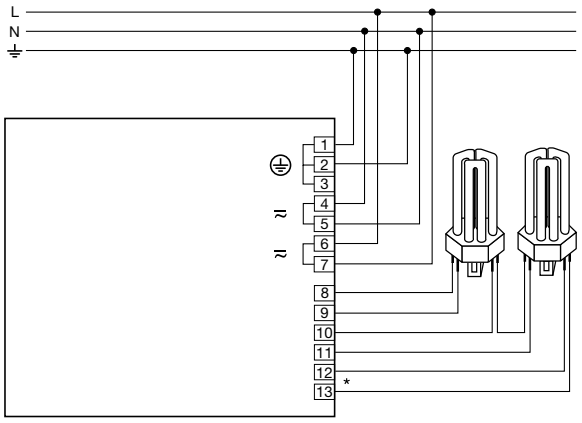
* leads 12, 13 max. 1.0 m (< 100 pF)
leads 8, 9 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC TC PRO sr+ with 2 lamps



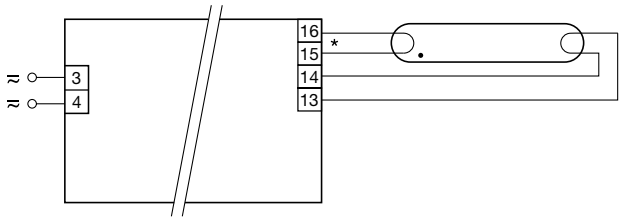
* leads 12, 13 max. 1.0 m (< 100 pF)
leads 8, 9, 10, 11 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC TC PRO sr+ with through wiring



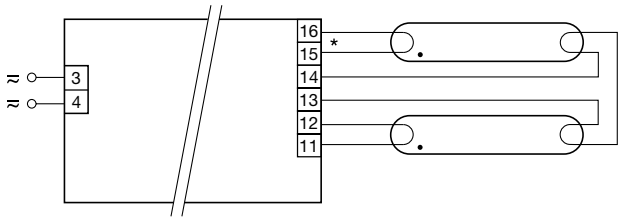
PC T5 TOP lp

PC 1x... T5 TOP lp



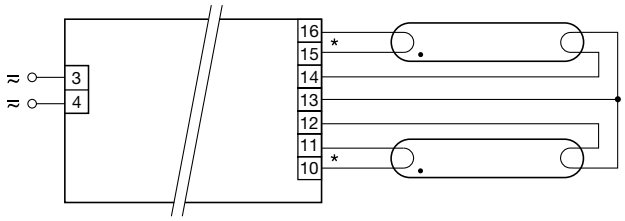
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x14-28 T5 TOP lp / PC 2x24 T5 TOP lp / PC 2x39 T5 TOP lp / PC 2x54 T5 TOP lp



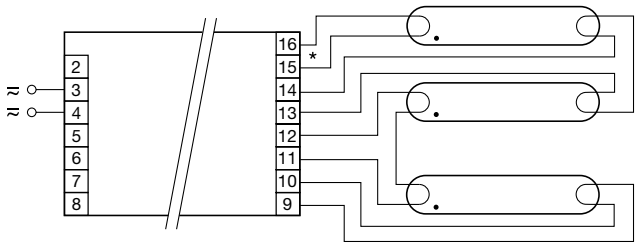
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x35 T5 TOP lp / PC 2x49 T5 TOP lp



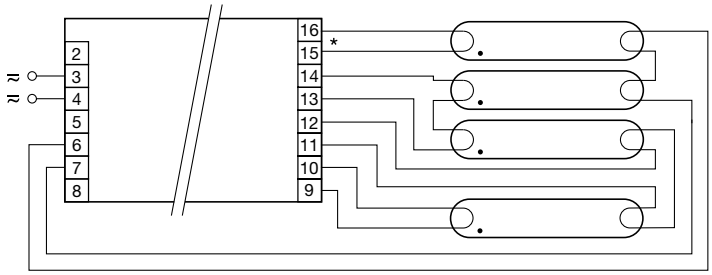
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 3x... T5 TOP lp



* leads 15, 16 max. 1.0 m (< 100 pF)
leads 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

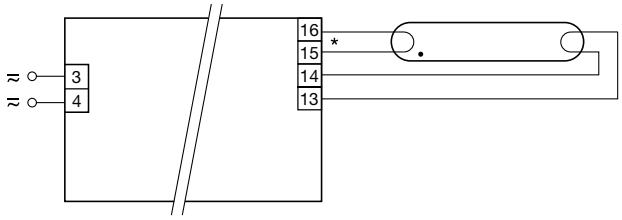
PC 4x... T5 TOP lp



* leads 15, 16 max. 1.0 m (< 100 pF)
leads 6, 7, 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

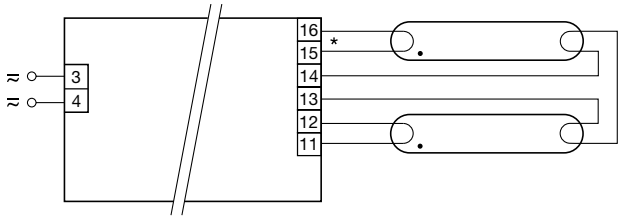
PC T8 TOP lp, PC T8 TOP sl

PC 1x... T8 TOP sl



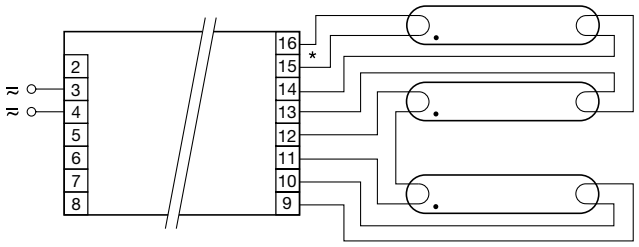
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x... T8 TOP sl



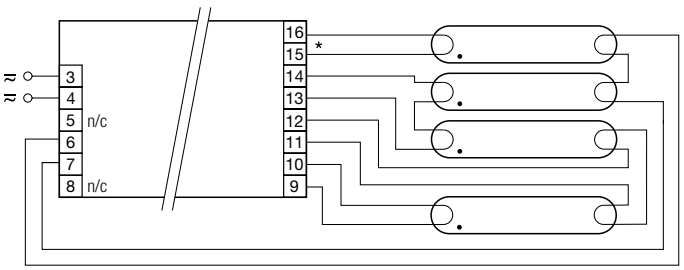
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 3x... T8 TOP lp



* leads 15, 16 max. 1.0 m (< 100 pF)
leads 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

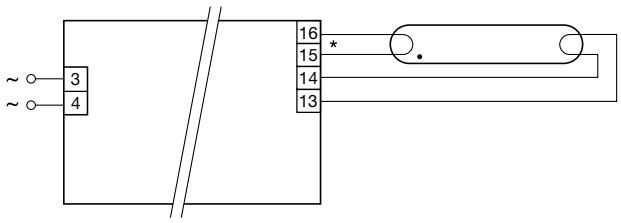
PC 4x... T8 TOP lp



* leads 9, 10, 15, 16 max. 1.0 m (< 100 pF)
leads 6, 7, 11, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

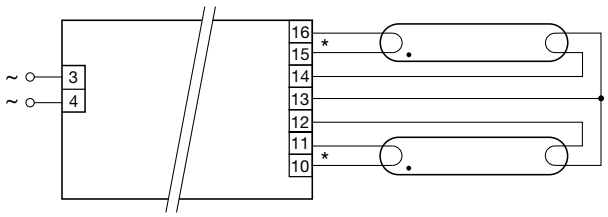
PC T5 TEC lp

PC 1x... T5 TEC lp



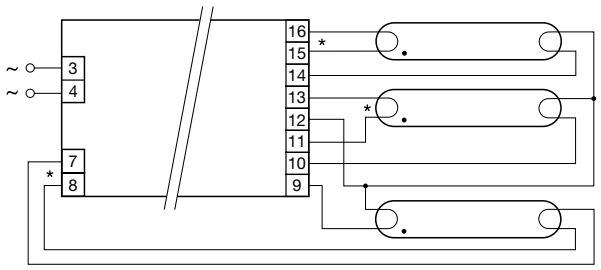
* leads 15, 16 max. 1.0 m (< 100 pF)
leads 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing of ground terminal required (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x... T5 TEC lp



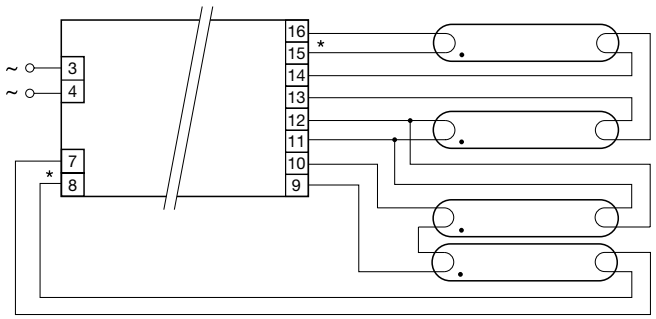
* leads 10, 11, 15, 16 max. 1.0 m (< 100 pF)
leads 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing of ground terminal required (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 3x... T5 TEC lp



* leads 7, 8, 11, 13, 15, 16 max. 1.0 m (< 100 pF)
leads 9, 10, 12, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing of ground terminal required (according to IEC 60598)
For luminaires of protection class II: No earthing required

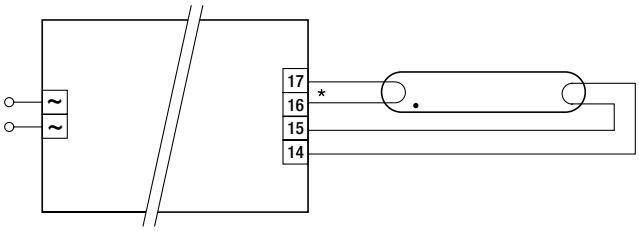
PC 4x... T5 TEC lp



* leads 7, 8, 15, 16 max. 1.0 m (< 100 pF)
leads 9, 10, 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing of ground terminal required (according to IEC 60598)
For luminaires of protection class II: No earthing required

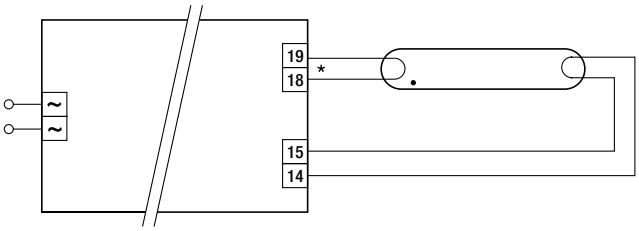
PC T8 TEC

PC 1x18 T8 TEC



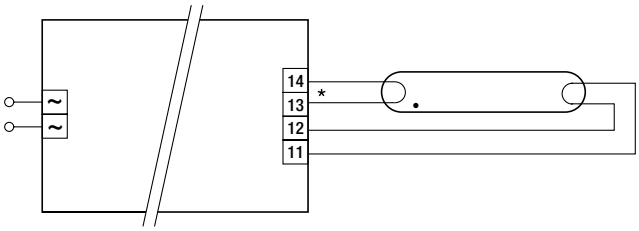
* leads 16, 17 max. 1.0 m (< 100 pF)
leads 14, 15 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 1x36 T8 TEC



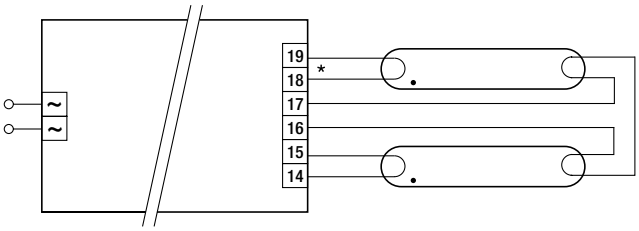
* leads 18, 19 max. 1.0 m (< 100 pF)
leads 14, 15 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 1x58 T8 TEC



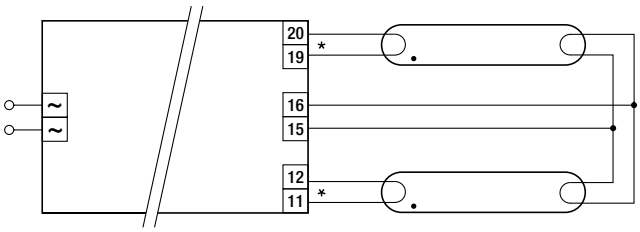
* leads 13, 14 max. 1.0 m (< 100 pF)
leads 11, 12 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x18 T8 TEC



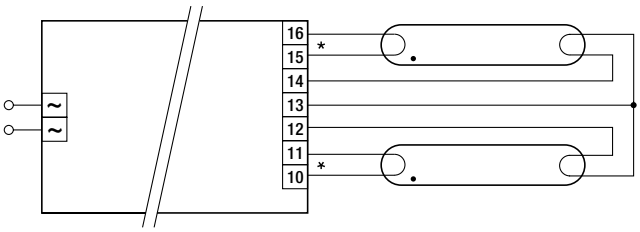
* leads 18, 19 max. 1.0 m (< 100 pF)
leads 14, 15, 16, 17 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x36 T8 TEC / PC 2x36 / 4x18 T8 TEC (2x36 W application)



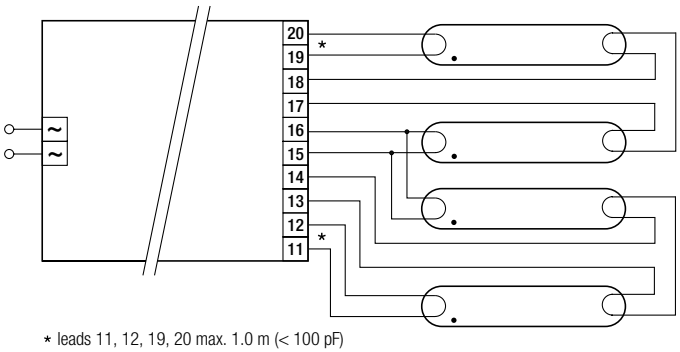
* leads 11, 12, 19, 20 max. 1.0 m (< 100 pF)
leads 15, 16 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2x58 T8 TEC



* leads 10, 11, 15, 16 max. 1,0 m (< 100 pF)
leads 12, 13, 14 max. 2,0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

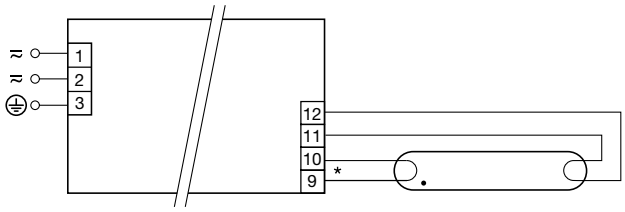
PC 4x18 T8 TEC / PC 2x36 / 4x18 T8 TEC



* leads 11, 12, 19, 20 max. 1.0 m (< 100 pF)
leads 13, 14, 15, 16, 17, 18 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing (according to IEC 60598)
For luminaires of protection class II: No earthing required

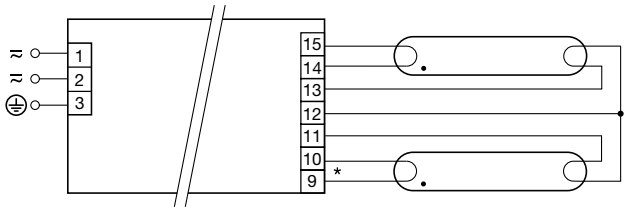
PC INDUSTRY

PC 1/... T5 INDUSTRY / PC 1/... T8 INDUSTRY



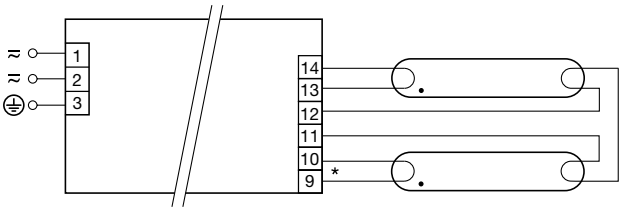
* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2/... T5 INDUSTRY



* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14, 15 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

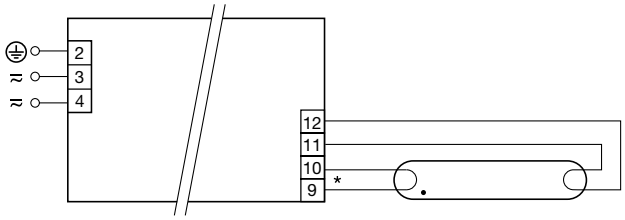
PC 2/... T8 INDUSTRY



* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

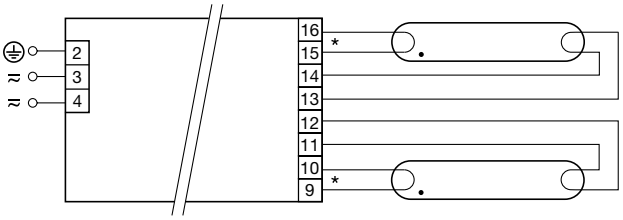
PC T5 PRO-M

PC 1/... T5 PRO-M lp



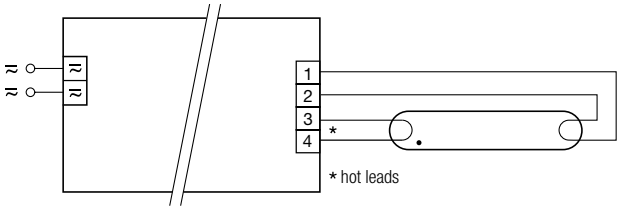
* leads 9, 10 max. 1.0 m (< 100 pF)
leads 11, 12 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC 2/... T5 PRO-M lp



* leads 9, 10, 15, 16 max. 1.0 m (< 100 pF)
leads 11, 12, 13, 14 max. 2.0 m (< 200 pF)
For luminaires of protection class I: Earthing via ECG casing or earth terminal (according to IEC 60598)
For luminaires of protection class II: No earthing required

PC BASIC



* hot leads

* leads 3, 4 max. 0.5 m (< 60 pF)
leads 1, 2 max. 1.0 m (< 120 pF)

Technology overview for x!tec

x!tec processor technology developed by Tridonic offers added value and flexibility: individual customer requirements and the specific demands of the luminaire industry are perfectly covered by x!tec.

Demand-led innovation

Our x!tec chip raises the quality of dimming and ensures maximum reliability. The interplay between the various components is trouble-free, and energy efficiency is second to none. With the new generation of x!tec II chips the PCA product range, consisting of the EXCEL one4all, ECO and BASIC series, has been further improved.

As varied as your requirements

Our aim is to meet your individual requirements. The ballasts offer the necessary performance, intelligence and flexibility for the relevant applications. And all without compromising on efficiency, quality or safety.

x!tec II – setting new standards across all the series (EXCEL one4all, ECO and BASIC)

Efficiency:

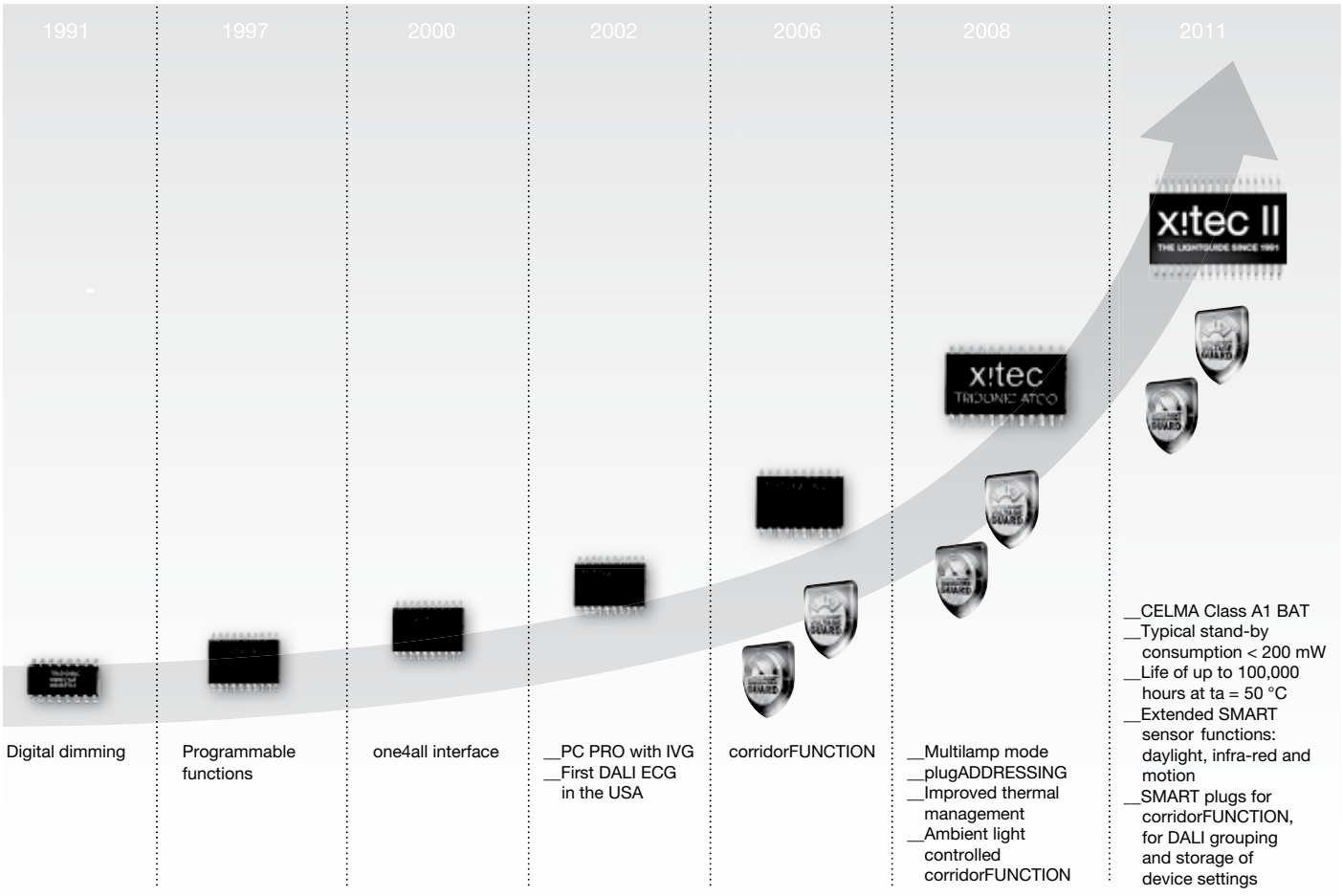
- CELMA Class A1 BAT
- Typical stand-by consumption < 200 mW

Quality:

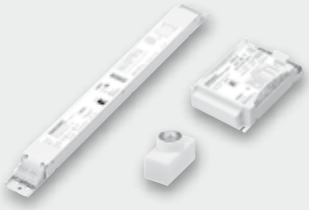
- Life of up to 100,000 hours at ta 50 °C
- 5-year guarantee

Safety:

- Intelligent Temperature Guard and Intelligent Voltage Guard
- Automatically triggered emergency lighting value in DC mode, 15 % default



Product overview x!tec II



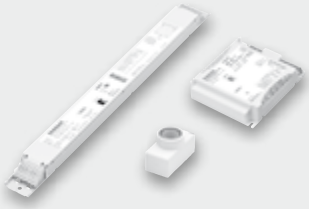
PCA EXCEL one4all x!tec II *
Lamp types: T5, T8, TC-L, TC-F, TC-S, TC-D, TC-DD, TC-T, T5c

Maximum intelligence and flexibility

Superior lighting solutions begin with a ballast with special qualities. We are setting new standards in technical innovation. PCA EXCEL one4all represents a new generation of dimmable ballasts that offer maximum comfort and maximum flexibility.

At a glance:

- Individual and specific programming options (corridorFUNCTION, DC level, etc.)
- Multi-functional interface (DALI, DSI, switchDIM, corridorFUNCTION, SMART)
- Multi-lamp management for T5
- Possibility of intelligent stand-alone solutions (Plug'n Play via SMART sensors with daylight control, presence detection and infra-red control)
- switchDIM with memory function and adjustable dimming rates
- Extended DALI commands
- Intelligent Temperature Guard and Intelligent Voltage Guard
- Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 %
- Dimming range 1 – 100 % (3 – 100 % for compact devices)



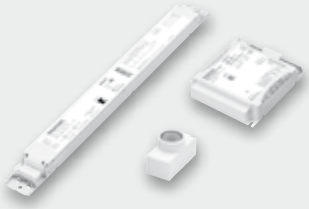
PCA ECO x!tec II *
Lamp types: T5, T8, TC-L, TC-F, TC-S, TC-D, TC-DD, TC-T, T5c

Maximum performance

The dimmable ballasts in the PCA ECO series meet all the requirements for all the usual lighting systems. They combine maximum performance with ecological and economic benefits.

At a glance:

- Multi-functional interface (DALI, DSI, switchDIM, corridorFUNCTION, SMART)
- Multi-lamp management for T5
- Daylight control via SMART sensor
- switchDIM with memory function and adjustable dimming rates
- Intelligent Temperature Guard and Intelligent Voltage Guard
- Automatically triggered emergency lighting value in DC mode, 15 %
- Dimming range 1 – 100 % (3 – 100 % for compact devices)



PCA BASIC x!tec II
Lamp types: T5, T8, TC-L, TC-F, TC-S, TC-D, TC-DD, TC-T, T5c

Simply efficient

The functionality of the PCA BASIC series has been designed to save energy. It provides the basis for simple solutions and represents a real alternative to non-dimmable applications. Ballasts in the BASIC series have been developed for simple dimming applications and offer impressive quality and safety.

At a glance:

- DSI
- corridorFUNCTION
- switchDIM with memory function
- Daylight control via SMART sensor
- Intelligent Temperature Guard and Intelligent Voltage Guard
- Automatically triggered emergency lighting value in DC mode, 15 %
- Dimming range 10 – 100 %

* Some devices in the PCA product range are still based on the predecessor platform x!tec I and therefore differ in their functionality. For details see the data sheet.

Product / function matrix xitec II *

Portfolio		PCA EXCEL one4all xitec II	PCA ECO xitec II	PCA BASIC xitec II
High efficiency	Typical stand-by consumption < 200 mW	yes	yes	yes
	CELMA Energy Class A1 BAT (maximum value as per CELMA classification)	yes	yes	yes
	Optimum filament heating in any dimmer setting	yes	yes	yes
	Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency	yes	yes	yes
High quality	Life of up to 100,000 hours (at ta = 50 °C)	yes	yes	yes
	5-year guarantee	yes	yes	yes
	Protective hot restrike (0.2 s in emergency lighting mode / 0.5 s in normal mode)	yes	yes	yes
	100 % final testing and safety testing in the factory	yes	yes	yes
	Dimming range 1 – 100 % (compact 3 – 100 %) **	yes	yes	
	Dimming range 10 – 100 %			yes
Excellent safety	Automatically triggered emergency lighting value in DC mode, 15 % default	yes	yes	yes
	Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 % **	yes		
	Intelligent Temperature Guard (thermal protection)	yes	yes	yes
	Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)	yes	yes	yes
	Automatic cut-off in the event of lamp faults	yes	yes	yes
Approval marks	ENEC	yes	yes	yes
	CE	yes	yes	yes
	VDE-EMC	yes	yes	yes
	RCM	yes	yes	yes
	CCC	yes	yes	yes
	GOST	yes	yes	yes
Standards	EN 55015	yes	yes	yes
	acc. to EN 50172 for emergency light installations	yes	yes	yes
	EN 60929	yes	yes	yes
	EN 61000-3-2	yes	yes	yes
	EN 61347-2-3	yes	yes	yes
	EN 61547	yes	yes	yes

* Some devices in the PCA product range are still based on the predecessor platform xtec I and therefore differ in their functionality.

** 3x14/24 5 – 100 %, for compact devices 3 – 100 %

Portfolio		PCA EXCEL one4all xıtec II	PCA ECO xıtec II	PCA BASIC xıtec II
High flexibility	Automatic restrike on relamping	yes	yes	yes
	Multi-functional interface	yes	yes	
	Multi-lamp management for T5	yes	yes	
	Customer-specific reserved memory area	yes	yes	
	Insulation piercing plug-in terminals (T5, T8, TCL long-run versions)	yes	yes	
	one4all interface (all the usual communication protocols combined in one device): DALI / DSI / switchDIM / corridorFUNCTION / SMART with daylight control, presence detection and infra-red control	yes		
	SMART Plug cF for setting the corridorFUNCTION profiles	yes	yes	yes
	SMART Plug Gr for manual grouping of the devices	yes		
	SMART Plug Ma for securing the device settings	yes		
	Dimming rates between 100 ms and 90 s (min. – max.)	yes		
	Dimming possible in DC mode	yes		
High functionality	DSI control	yes	yes	yes
	DALI control	yes	yes	
	DALI memory	yes	yes	
	Extended DALI commands	yes		
	switchDIM with memory function	yes	yes	yes
	switchDIM with memory function can be deactivated (enhanced power on level)	yes		
	switchDIM with selectable dimming rates	yes	yes	
	Integrated SMART interface for daylight control	yes	yes	yes
	Integrated SMART interface for daylight control, presence detection and infra-red control	yes		
	corridorFUNCTION with daylight control	yes	yes	yes
	corridorFUNCTION with 3 preprogrammed profiles (via plug)	yes	yes	yes
	corridorFUNCTION (individually programmable)	yes		
	corridorFUNCTION can be executed directly via SMART sensor	yes		

Lamp matrix PCA EXCEL one4all x!tec I + II

	Series		PCA T5 EXCEL one4all											PCA T8 EXCEL one4all							
	x!tec version		II	II	I	I	II	II	II	II	II	II	II	II	II	I	I	II	II	II	II
	Article number		22185103	22185104	22176209	22176210	22185110	22185111	22185108	22185109	22185105	22185106	22185107	22185239	22185242	22185247	22185250	28000034	28000038	28000036	28000040
	Type		PCA 1x14/24 T5 EXCEL one4all lp	PCA 2x14/24 T5 EXCEL one4all lp	PCA 3x14/24 T5 EXCEL one4all lp	PCA 4x14/24 T5 EXCEL one4all lp	PCA 1x21/39 T5 EXCEL one4all lp	PCA 2x21/39 T5 EXCEL one4all lp	PCA 1x28/54 T5 EXCEL one4all lp	PCA 2x28/54 T5 EXCEL one4all lp	PCA 1x35/49/80 T5 EXCEL one4all lp	PCA 2x35/49 T5 EXCEL one4all lp	PCA 2x80 T5 EXCEL one4all lp	PCA 1x18 T8 EXCEL one4all lp	PCA 2x18 T8 EXCEL one4all lp	PCA 3x18 T8 EXCEL one4all lp	PCA 4x18 T8 EXCEL one4all lp	PCA 1x36 T8 EXCEL one4all lp	PCA 2x36 T8 EXCEL one4all lp	PCA 1x58 T8 EXCEL one4all lp	PCA 2x58 T8 EXCEL one4all lp
Lamp		W / mm	Cap																		
T5 ECO		13 / 549	G5	x	x																
T5		14 / 549	G5	●	●	●	●														
T5 ECO		19 / 849	G5					x	x												
T5		21 / 849	G5					●	●												
T5 ECO		20 / 549	G5	x	x																
T5		24 / 549	G5	●	●	●	●														
T5 ECO/ES		25 / 1,149	G5							x	x										
T5		28 / 1,149	G5							●	●										
T5 ECO/ES		32 / 1,449	G5									x	x								
T5 ECO		34 / 849	G5					x	x												
T5		35 / 1,449	G5									●	●								
T5		39 / 849	G5					●	●												
T5 ECO/ES		45 / 1,449	G5									x	x								
T5		49 / 1,449	G5									●	●								
T5 ECO/ES		50 / 1,149	G5							x	x										
T5		54 / 1,149	G5							●	●										
T5 ECO/ES		73 / 1,449	G5									x		x							
T5		80 / 1,449	G5									●		●							
T8		18 / 590	G13												●	●	●	●			
T8		36 / 1,200	G13																●	●	
T8		58 / 1,500	G13																		●	●
TC-L		18	2G11		●																
TC-L		24	2G11		●																
TC-SEL / TC-L		36	2G11					●	●												
TC-SEL / TC-L		40	2G11					●	●												
TC-SEL / TC-L		55	2G11									●		●							
TC-SEL / TC-L		80	2G11									●									

• ENEC x Approval without ENEC b Limited approvals – the latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

	Series		PCA TC EXCEL one4all									
	x:tec version		=	=	=	=	=	=	=	=	=	=
	Article number		22185134	22185135	22185251	22185257	22185130	22185131	22185128	22185129	22185254	22185132
	Type		PCA 1x11/13 TC EXCEL one4all	PCA 2x11/13 TC EXCEL one4all	PCA 1x18/24 TCL EXCEL one4all c	PCA 2x18/24 TCL EXCEL one4all c	PCA 1x18 TC EXCEL one4all	PCA 2x18 TC EXCEL one4all	PCA 1x26-57 TC EXCEL one4all	PCA 2x26/32/42 TC EXCEL one4all	PCA 1x28 TC-DD EXCEL one4all c	PCA 1x55 T5c EXCEL one4all
Lamp		W / mm	Cap									
TC-SEL / TC-L		11	2G7	•	•								
TC-L		18	2G11			•	•						
TC-L		24	2G11			•	•						
TC-SEL / TC-L		40	2G11							•			
TC-DEL		13	G24q-1	•	•								
TC-DEL		18	G24q-2					•	•				
TC-DEL		26	G24q-3							•	•		
TC-TEL HE		11	GR14q-1	•	•								
TC-TEL		13	GX24q-1	•	•								
TC-TEL HE		14	GR14q-1	•	•								
TC-TEL HE		17	GR14q-1	•	•								
TC-TEL		18	GX24q-2					•	•				
TC-TEL		26	GX24q-3							•	•		
TC-TEL		32	GX24q-3							•	•		
TC-TEL		42	GX24q-4							•	•		
TC-TEL		57	GX24q-5							b			
TC-F		18	2G10			•	•						
TC-F		24	2G10			•	•						
T5-Circline		22 / Ø 230	2GX13			•							
		40 / Ø 305	2GX13							•			
		55 / Ø 305	2GX13										•
TC-DD		10	GR10q	b									
		16	GR10q	b									
		28	GR10q									•	
		38	GR10q										

• ENEC x Approval without ENEC b Limited approvals – the latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at: www.tridonic.com, menu "Technical data", submenu "Lamp matrix"

Lamp matrix PCA ECO x!tec I + II

	Series		PCA T5 ECO											PCA T8 ECO							
	x!tec version		II	II	I	I	II	II	II	II	II	II	II	II	II	I	I	II	II	II	II
	Article number		22185094	22185095	22176211	22176212	22185101	22185102	22185099	22185100	22185096	22185097	22185098	22185240	22185243	22185245	22185248	28000035	28000039	28000037	28000041
	Type		PCA 1x14/24 T5 ECO lp	PCA 2x14/24 T5 ECO lp	PCA 3x14/24 T5 ECO lp	PCA 4x14/24 T5 ECO lp	PCA 1x21/39 T5 ECO lp	PCA 2x21/39 T5 ECO lp	PCA 1x28/54 T5 ECO lp	PCA 2x28/54 T5 ECO lp	PCA 1x35/49/80 T5 ECO lp	PCA 2x35/49 T5 ECO lp	PCA 2x80 T5 ECO lp	PCA 1x18 T8 ECO lp	PCA 2x18 T8 ECO lp	PCA 3x18 T8 ECO lp	PCA 4x18 T8 ECO lp	PCA 1x36 T8 ECO lp	PCA 2x36 T8 ECO lp	PCA 1x58 T8 ECO lp	PCA 2x58 T8 ECO lp
Lamp		W / mm	Cap																		
T5 ECO		13 / 549	G5	x	x																
T5		14 / 549	G5	●	●	●	●														
T5 ECO		19 / 849	G5					x	x												
T5		21 / 849	G5					●	●												
T5 ECO		20 / 549	G5	x	x																
T5		24 / 549	G5	●	●	●	●														
T5 ECO/ES		25 / 1,149	G5							x	x										
T5		28 / 1,149	G5							●	●										
T5 ECO/ES		32 / 1,449	G5									x	x								
T5 ECO		34 / 849	G5					x	x												
T5		35 / 1,449	G5									●	●								
T5		39 / 849	G5					●	●												
T5 ECO/ES		45 / 1,449	G5									x	x								
T5		49 / 1,449	G5									●	●								
T5 ECO/ES		50 / 1,149	G5							x	x										
T5		54 / 1,149	G5							●	●										
T5 ECO/ES		73 / 1,449	G5									x		x							
T5		80 / 1,449	G5									●		●							
T8		18 / 590	G13												●	●	●	●			
T8		36 / 1,200	G13																●	●	
T8		58 / 1,500	G13																		●	●
TC-L		18	2G11		●																	
TC-L		24	2G11		●																	
TC-SEL / TC-L		36	2G11					●	●													
TC-SEL / TC-L		40	2G11					●	●													
TC-SEL / TC-L		55	2G11									●		●								
TC-SEL / TC-L		80	2G11									●										

• ENEC x Approval without ENEC b Limited approvals – the latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

	Series		PCA TC ECO									
	x:tec version		=	=	=	=	=	=	=	=	=	=
	Article number		22185126	22185127	22185252	22185258	22185122	22185123	22185120	22185121	22185255	22185124
	Type		PCA 1x11/13 TC ECO	PCA 2x11/13 TC ECO	PCA 1x18/24 TCL ECO c	PCA 2x18/24 TCL ECO c	PCA 1x18 TC ECO	PCA 2x18 TC ECO	PCA 1x26-57 TC ECO	PCA 2x26/32/42 TC ECO	PCA 1x28 TC-DD ECO c	PCA 1x55 T5c ECO
Lamp		W / mm	Cap									
TC-SEL / TC-L		11	2G7	•	•								
TC-L		18	2G11			•	•						
TC-L		24	2G11			•	•						
TC-SEL / TC-L		40	2G11							•			
TC-DEL		13	G24q-1	•	•								
TC-DEL		18	G24q-2					•	•				
TC-DEL		26	G24q-3							•	•		
TC-TEL HE		11	GR14q-1	•	•								
TC-TEL		13	GX24q-1	•	•								
TC-TEL HE		14	GR14q-1	•	•								
TC-TEL HE		17	GR14q-1	•	•								
TC-TEL		18	GX24q-2					•	•				
TC-TEL		26	GX24q-3							•	•		
TC-TEL		32	GX24q-3							•	•		
TC-TEL		42	GX24q-4							•	•		
TC-TEL		57	GX24q-5							b			
TC-F		18	2G10			•	•						
TC-F		24	2G10			•	•						
T5-Circline		22 / Ø 230	2GX13			•							
		40 / Ø 305	2GX13							•			
		55 / Ø 305	2GX13										•
TC-DD		10	GR10q	b									
		16	GR10q	b									
		28	GR10q									•	
		38	GR10q										

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Lamp matrix PCA BASIC x!tec II

	Series		PCA T5 BASIC																	
	x!tec version		=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
	Article number		22185076	22185077	22185090	22185091	22185078	22185079	22185086	22185087	22185080	22185081	22185092	22185093	22185082	22185083	22185088	22185089	22185084	22185085
	Type		PCA 1x14 T5 BASIC lp	PCA 2x14 T5 BASIC lp	PCA 1x21 T5 BASIC lp	PCA 2x21 T5 BASIC lp	PCA 1x24 T5 BASIC lp	PCA 2x24 T5 BASIC lp	PCA 1x28 T5 BASIC lp	PCA 2x28 T5 BASIC lp	PCA 1x35 T5 BASIC lp	PCA 2x35 T5 BASIC lp	PCA 1x39 T5 BASIC lp	PCA 2x39 T5 BASIC lp	PCA 1x49 T5 BASIC lp	PCA 2x49 T5 BASIC lp	PCA 1x54 T5 BASIC lp	PCA 2x54 T5 BASIC lp	PCA 1x80 T5 BASIC lp	PCA 2x80 T5 BASIC lp
Lamp		W / mm	Cap																	
T5 ECO		13 / 549	G5	x	x															
T5		14 / 549	G5	●	●															
T5 ECO		19 / 849	G5			x	x													
T5		21 / 849	G5			●	●													
T5 ECO		20 / 549	G5					x	x											
T5		24 / 549	G5					●	●											
T5 ECO/ES		25 / 1,149	G5							x	x									
T5		28 / 1,149	G5							●	●									
T5 ECO/ES		32 / 1,449	G5									x	x							
T5 ECO		34 / 849	G5											x	x					
T5		35 / 1,449	G5									●	●							
T5		39 / 849	G5											●	●					
T5 ECO/ES		45 / 1,449	G5													x	x			
T5		49 / 1,449	G5													●	●			
T5 ECO/ES		50 / 1,149	G5															x	x	
T5		54 / 1,149	G5															●	●	
T5 ECO/ES		73 / 1,449	G5																	x	x
T5		80 / 1,449	G5																	●	●
TC-L		18	2G11						●												
TC-L		24	2G11						●												
TC-SEL / TC-L		36	2G11											●	●						
TC-SEL / TC-L		40	2G11											●	●						
TC-SEL / TC-L		55	2G11																	●	●
TC-SEL / TC-L		80	2G11																	●	

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	Series		PCA T8 BASIC						PCA TC BASIC									
	xıtec version		=	=	=	=	=	=	=	=	=	=	=	=	=	=	=	=
	Article number		22185241	22185244	28000042	28000044	28000043	28000045	22185118	22185119	22185253	22185259	22185114	22185115	22185112	22185113	22185256	22185116
	Type		PCA 1x18 T8 BASIC lp	PCA 2x18 T8 BASIC lp	PCA 1x36 T8 BASIC lp	PCA 2x36 T8 BASIC lp	PCA 1x58 T8 BASIC lp	PCA 2x58 T8 BASIC lp	PCA 1x11/13 TC BASIC	PCA 2x11/13 TC BASIC	PCA 1x18/24 TCL BASIC c	PCA 2x18/24 TCL BASIC c	PCA 1x18 TC BASIC	PCA 2x18 TC BASIC	PCA 1x26-57 TC BASIC	PCA 2x26/32/42 TC BASIC	PCA 1x28 TC-DD BASIC c	PCA 1x55 T5c BASIC
Lamp		W / mm	Cap															
T8		18 / 590	G13	•	•													
T8		36 / 1,200	G13			•	•											
T8		58 / 1,500	G13					•	•									
TC-SEL / TC-L		11	2G7							•	•							
TC-L		18	2G11									•	•					
TC-L		24	2G11									•	•					
TC-SEL / TC-L		40	2G11													•		
TC-DEL		13	G24q-1							•	•							
TC-DEL		18	G24q-2											•	•			
TC-DEL		26	G24q-3													•	•	
TC-TEL HE		11	GR14q-1							•	•							
TC-TEL		13	GX24q-1							•	•							
TC-TEL HE		14	GR14q-1							•	•							
TC-TEL HE		17	GR14q-1							•	•							
TC-TEL		18	GX24q-2											•	•			
TC-TEL		26	GX24q-3													•	•	
TC-TEL		32	GX24q-3													•	•	
TC-TEL		42	GX24q-4													•	•	
TC-TEL		57	GX24q-5													b		
TC-F		18	2G10								•	•						
TC-F		24	2G10								•	•						
T5-Circline		22 / Ø 230	2GX13								•							
		40 / Ø 305	2GX13												•			
		55 / Ø 305	2GX13															•
TC-DD		10	GR10q						b									
		16	GR10q						b									
		28	GR10q														•	
		38	GR10q															

• ENEC x Approval without ENEC b Limited approvals – the latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

Lamp matrix PCA EXCITE x!tec I

	Series		PCA T5 EXCITE		PCA T8 EXCITE	
	x!tec version		I	I	I	I
	Article number		28000307	28000308	28000309	28000310
	Type		PCA 3x14/24 T5 EXCITE lp	PCA 4x14/24 T5 EXCITE lp	PCA 3x18 T8 EXCITE lp	PCA 4x18 T8 EXCITE lp
Lamp		W / mm	Cap				
T5		14 / 549	G5	•	•		
T5		24 / 549	G5	•	•		
T8		18 / 590	G13			•	•

• ENEC x Approval without ENEC

b Limited approvals – the latest lamp matrix incl. further approvals for various lamp types (without ENEC and VDE) can be downloaded from internet at: www.tridonic.com, menu "Technical data", submenu "Lamp matrix"

Digital dimmable ballasts for fluorescent lamps

Tridonic offer digital dimmable products that are ideal whatever the requirements. Our new x:tec II PCA product range comprises three series: EXCEL one4all, ECO and BASIC.

- **PCA EXCEL one4all – maximum intelligence and flexibility**
  The ballasts in the PCA EXCEL one4all series combine a large number of technical innovations. Equipped with a multi-functional interface and extensive storage options, the products support and recognise all current digital communication standards. Different settings can be programmed depending on the requirements. PCA EXCEL one4all ballasts also automatically detect T5 light sources of the same length and operate them with the correct lamp parameters. The integrated SMART interface offers a wide range of intuitive Plug'n Play options.

- **PCA ECO – maximum performance**
  The PCA ECO series offers high quality and excellent economy and covers a wide range of applications. With the digital DALI and DSI standards and the integrated switchDIM and corridorFUNCTION functionality, the PCA ECO series is suitable for a wide range of local and central applications. PCA ECO ballasts can be combined with daylight control via the SMART interface. A large number of different lamp types are supported, which offer even more benefits in the case of T5 versions thanks to multi-lamp management.

- **PCA BASIC – simply efficient**
  These reliable ballasts with predefined dimming functions and values use tried and trusted DSI and switchDIM technology for simple but effective Plug'n Play solutions. PCA BASIC ballasts can be combined with daylight control via the SMART interface. This series also supports the corridorFUNCTION in its simplest form.

Dimming saves energy
Dimmable luminaires reduce energy consumption by their very nature. Every lumen in excess of what is needed increases CO_2 emissions unnecessarily. The greatest potential energy savings with lighting systems come from automatically adjusting the dimming level according to the amount of freely available daylight. Tridonic offers a wide range of technical options. These include the direct integration of daylight sensors and motion sensors, to respond directly to the presence or absence of people and the available ambient light. A long series of intelligent functions enables energy to be saved continually and effortlessly. These functions include optimised lamp operation, low power consumption on stand-by and automation for corridors, storage rooms and car parks.

High-quality dimming with a high level of comfort
Artificial light must simulate nature as closely as possible to make people feel comfortable. Therefore dimmable luminaires are needed to provide exactly the amount of light required at the time. By changing the amount of light it is possible to create new looks – with only modest technical outlay, as dimmable ballasts from Tridonic prove. New lighting systems can be created thanks to high-quality Plug'n Play solutions via the SMART interface and the versatile programmability of the EXCEL one4all series. The high demands that Tridonic makes on quality means that its products have long lives and guarantee stable operation.

Multi-functional for maximum effect and minimum cost

To keep installation costs as low as possible and to ensure intuitive operation all Tridonic ballasts are equipped with an interface that provides multiple control options. The internationally acclaimed control versions (DALI, DSI, switchDIM and corridorFUNCTION) offer a wide range of dimming options. A key aspect of Tridonic ballasts is that each of the control versions is wired via the same connections. The device automatically detects the control version and automatically switches to the appropriate mode.

The DSI standard provides for quick, simple and secure installation and offers almost all the benefits of digital communication. The DALI protocol was developed to meet even greater demands. With DALI even complex lighting solutions can be handled with a high degree of flexibility. For more information please refer to the section on luxCONTROL lighting control systems.

In addition to the digital standards, all the dimmable ballasts from Tridonic support simpler methods of control such as switchDIM (control via conventional switches) and corridorFUNCTION (control via conventional motion sensors).

Four different sensor types can be operated with dimmable ballasts from Tridonic, depending on the type of device. You can choose presence sensors, daylight sensors or sensors with an infra-red interface. The multi-functional interface gives you greater flexibility and system efficiency. In turn, this gives you new possibilities; for example you can combine central communication standards (DALI, DSI) with local SMART sensors.

switchDIM – simply reliable

With switchDIM it is possible to create lighting systems that can be easily switched and dimmed at low cost. The key is simple but clever. It involves using standard mains voltage switches for lighting control. The different switching and dimming functions are performed depending on the operating status at the time and how long the switch is pressed. A short press on the switch switches the connected ballasts on or off; holding down the switch will fade the connected ballasts up or down. In a direct comparison with other control methods, switchDIM not only has a distinct cost advantage, it offers better functionality and simple installation.

corridorFUNCTION – simply brilliant

Dimmable ballasts with corridorFUNCTION are a very simple and highly efficient way of reducing energy consumption. Even the simplest solutions with a standard motion sensor have a great effect. Ballasts of the x!tec II generation offer maximum potential savings thanks to the combination with SMART daylight sensor. The application is activated automatically as soon as the mains signal at the digital interface of the ballast with integrated corridorFUNCTION is applied for longer than five minutes. Wherever light has to be provided 24 hours a day for statutory reasons, the corridorFUNCTION helps provide the right light, combined with energy-efficient and cost-effective operation. This economical form of 24-hour lighting is ideal for pedestrian underpasses, underground train stations, ATM booths, telephone kiosks, hotels, public buildings and hospitals.

SMART interface
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. The SMART plugs simplify maintenance, grouping and settings for the corridorFUNCTION thanks to simple Plug'n Play. For more information please refer to the section on luxCONTROL lighting control systems.

SMART-Heating concept
Saving energy and prolonging the life of the lamp at the same time – PCA ballasts of the xitec II generation with the integrated SMART heating concept bring a luminaire one stage closer to these twin objectives. The key is the control circuit for heating the electrodes in fluorescent lamps. The lamp is heated only as required, and this heating is switch off when the lamp reaches 80 to 90 % of the fade value.

Multi-lamp management for T5
A luminaire with a multi-lamp ballast can automatically detect lamps of the same length and operate them with the correct lamp parameters (e.g. FH 28 W / FQ 54 W – a mixed population is not permitted for two-lamp ballasts). Users gain flexibility. They can always choose the appropriate and therefore most efficient lamp and react promptly to any changes in circumstances with no additional costs involved. The multiple use of these ballasts also helps reduce production and storage costs for luminaire manufacturers. Fewer components make handling simpler and reduce storage volume.

Intelligent Voltage Guard



Prevention is better than cure – and that is also true of ballasts. To help prevent damage due to overvoltage or undervoltage the mains voltage for all PCA ballasts is constantly monitored. If the mains voltage is too low the relevant lamp circuit is switched-off. At voltages between 70 and 140 V the device switches-off and on again on a non-cyclic basis. In the event of overvoltage the protection system issues an alarm by causing the lamps to flash alternately so that the installer can immediately take action to remedy the overvoltage.

Intelligent Temperature Guard



Constant temperature checks enhance the reliability of the ballasts. Intelligent Temperature Guard provides effective protection against thermal overloads by slowly reducing the output if a defined ASIC temperature is exceeded. The reduction in overtemperature takes place in small stages every two minutes and is repeated successively every 10 minutes as soon as the temperature falls again.

Functions for the emergency lighting mode



Dimmable luminaires consume less power – and that is also true in emergency lighting mode. Lower consumption in this mode has a positive effect on battery capacity and cable dimensions.

PCA ballasts can be operated on AC or DC voltage. This means there is no need for a separate emergency lighting system. With a starting time of 0.2 seconds in DC emergency lighting mode the digital dimmable ballasts are ideal for emergency lighting. The ballasts automatically detect DC voltage and jump to a predefined DC level which is at 15 %. The DC level can be individually adjusted for the PCA EXCEL one4all product group.

Other intelligent functions make compliance with statutory requirements much simpler. For example, it is possible to set the software so that after every function test the previous lighting level is automatically restored.

Constant high quality

The consistently high quality and reliability of the ballasts are guaranteed by the use of high-grade materials together with manufacturing processes certified to ISO 9001. Fully automatic manufacture also ensures constant reproducible quality. All the ballasts are subjected to 100 % final testing and safety testing.

To achieve this zero-defect quality without wastage Tridonic combines the principles of Lean Management and Lean Production with the Six Sigma method. The entire process chain is being continually optimised. Specifically this means that massive savings can be made by reducing throughput time, fault costs, transport, stock levels, unnecessary movements, waiting times, overproduction, over-processing and set-up time. So the high quality and reliability of Tridonic products are matched by exemplary efficiency.

A responsibility to people and nature

Tridonic demonstrates its responsibility to the environment with its “ecolution” initiative in which the company is committed to environmental management in accordance with ISO 14001. Another commitment relates to all Tridonic employees throughout the world. The company namely complies with the health and safety requirements of OHSAS 18001.

Standards and approval marks
Electronic ballasts from Tridonic are ENEC certified, carry the CE mark and meet all the relevant European as well as international standards relating to safety, operation and electro-magnetic compatibility (EMC).

Lamp matrix
Which control gear for which lamp?
The latest lamp matrix is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “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”

T5 TC-L

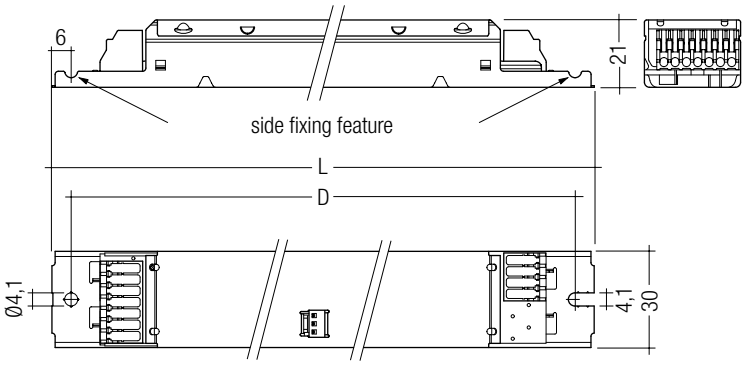
PCA T5 EXCEL one4all lp x!tec II, 14 – 80 W

EXCEL T5

Product description

- Processor-controlled ballast with x!tec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Multilamp management
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee





Interfaces

- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles + individually programmable)
- Integrated SMART interface for function with all SMART Sensors and SMART plugs of the x!tec II range

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 100 ms and 90 s (min. – max.)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode 15 %, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Dimming possible in DC mode

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	1 – 100 %
Lamp start possible from	1 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

→

Standards – Product / function matrix, page 280

Lamp matrix, page 282

Wiring diagrams and installation examples, page 326

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x14/24 T5 EXCEL one4all lp xıtec II	**22185103**	10 pc(s).	760 pc(s).	0.222 kg
PCA 1x21/39 T5 EXCEL one4all lp xıtec II	**22185110**	10 pc(s).	760 pc(s).	0.229 kg
PCA 1x28/54 T5 EXCEL one4all lp xıtec II	**22185108**	10 pc(s).	760 pc(s).	0.242 kg
PCA 1x35/49/80 T5 EXCEL one4all lp xıtec II	**22185105**	10 pc(s).	760 pc(s).	0.244 kg
For luminaires with 2 lamps				
PCA 2x14/24 T5 EXCEL one4all lp xıtec II	**22185104**	10 pc(s).	760 pc(s).	0.264 kg
PCA 2x21/39 T5 EXCEL one4all lp xıtec II	**22185111**	10 pc(s).	760 pc(s).	0.262 kg
PCA 2x28/54 T5 EXCEL one4all lp xıtec II	**22185109**	10 pc(s).	640 pc(s).	0.335 kg
PCA 2x35/49 T5 EXCEL one4all lp xıtec II	**22185106**	10 pc(s).	760 pc(s).	0.258 kg
PCA 2x80 T5 EXCEL one4all lp xıtec II	**22185107**	10 pc(s).	640 pc(s).	0.338 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp												
1 x 14 W	T5	**PCA 1x14/24 T5 EXCEL one4all lp xıtec II**	22185103	360 x 30 x 21 mm	350 mm	14 W	16.0 W	A1 BAT	0.08 A	0.95	80 °C	-25 ... +70 °C
1 x 24 W	T5	**PCA 1x14/24 T5 EXCEL one4all lp xıtec II**	22185103	360 x 30 x 21 mm	350 mm	23 W	25.5 W	A1 BAT	0.12 A	0.97	80 °C	-25 ... +70 °C
1 x 21 W	T5	**PCA 1x21/39 T5 EXCEL one4all lp xıtec II**	22185110	360 x 30 x 21 mm	350 mm	21 W	23.0 W	A1 BAT	0.11 A	0.95	80 °C	-25 ... +70 °C
1 x 39 W	T5	**PCA 1x21/39 T5 EXCEL one4all lp xıtec II**	22185110	360 x 30 x 21 mm	350 mm	38 W	41.5 W	A1 BAT	0.19 A	0.97	80 °C	-25 ... +65 °C
1 x 36 W	TC-L	**PCA 1x21/39 T5 EXCEL one4all lp xıtec II**	22185110	360 x 30 x 21 mm	350 mm	32 W	35.5 W	A1 BAT	0.16 A	0.96	80 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PCA 1x21/39 T5 EXCEL one4all lp xıtec II**	22185110	360 x 30 x 21 mm	350 mm	40 W	43.0 W	A1 BAT	0.20 A	0.98	80 °C	-25 ... +65 °C
1 x 28 W	T5	**PCA 1x28/54 T5 EXCEL one4all lp xıtec II**	22185108	360 x 30 x 21 mm	350 mm	28 W	30.5 W	A1 BAT	0.14 A	0.95	80 °C	-25 ... +75 °C
1 x 54 W	T5	**PCA 1x28/54 T5 EXCEL one4all lp xıtec II**	22185108	360 x 30 x 21 mm	350 mm	54 W	58.0 W	A1 BAT	0.26 A	0.98	80 °C	-25 ... +70 °C
1 x 35 W	T5	**PCA 1x35/49/80 T5 EXCEL one4all lp xıtec II**	22185105	360 x 30 x 21 mm	350 mm	35 W	39.0 W	A1 BAT	0.18 A	0.95	85 °C	-25 ... +75 °C
1 x 49 W	T5	**PCA 1x35/49/80 T5 EXCEL one4all lp xıtec II**	22185105	360 x 30 x 21 mm	350 mm	49 W	53.0 W	A1 BAT	0.25 A	0.97	80 °C	-25 ... +70 °C
1 x 80 W	T5	**PCA 1x35/49/80 T5 EXCEL one4all lp xıtec II**	22185105	360 x 30 x 21 mm	350 mm	80 W	85.5 W	A1 BAT	0.40 A	0.99	80 °C	-25 ... +60 °C
1 x 55 W	TC-L	**PCA 1x35/49/80 T5 EXCEL one4all lp xıtec II**	22185105	360 x 30 x 21 mm	350 mm	55 W	60.0 W	A1 BAT	0.28 A	0.97	80 °C	-25 ... +60 °C
1 x 80 W	TC-L	**PCA 1x35/49/80 T5 EXCEL one4all lp xıtec II**	22185105	360 x 30 x 21 mm	350 mm	80 W	85.5 W	A1 BAT	0.36 A	0.98	80 °C	-25 ... +60 °C
For luminaires with 2 lamps												
2 x 14 W	T5	**PCA 2x14/24 T5 EXCEL one4all lp xıtec II**	22185104	360 x 30 x 21 mm	350 mm	28 W	30.5 W	A1 BAT	0.14 A	0.96	80 °C	-25 ... +70 °C
2 x 24 W	T5	**PCA 2x14/24 T5 EXCEL one4all lp xıtec II**	22185104	360 x 30 x 21 mm	350 mm	45 W	49.5 W	A1 BAT	0.22 A	0.98	80 °C	-25 ... +65 °C
2 x 18 W	TC-L	**PCA 2x14/24 T5 EXCEL one4all lp xıtec II**	22185104	360 x 30 x 21 mm	350 mm	32 W	38.0 W	A1 BAT	0.15 A	0.96	80 °C	-25 ... +65 °C
2 x 24 W	TC-L	**PCA 2x14/24 T5 EXCEL one4all lp xıtec II**	22185104	360 x 30 x 21 mm	350 mm	44 W	49.0 W	A1 BAT	0.21 A	0.98	80 °C	-25 ... +65 °C
2 x 21 W	T5	**PCA 2x21/39 T5 EXCEL one4all lp xıtec II**	22185111	360 x 30 x 21 mm	350 mm	41 W	45.5 W	A1 BAT	0.21 A	0.96	85 °C	-25 ... +70 °C
2 x 39 W	T5	**PCA 2x21/39 T5 EXCEL one4all lp xıtec II**	22185111	360 x 30 x 21 mm	350 mm	76 W	82.0 W	A1 BAT	0.37 A	0.98	85 °C	-25 ... +65 °C
2 x 36 W	TC-L	**PCA 2x21/39 T5 EXCEL one4all lp xıtec II**	22185111	360 x 30 x 21 mm	350 mm	64 W	71.0 W	A1 BAT	0.31 A	0.98	85 °C	-25 ... +65 °C
2 x 40 W	TC-L	**PCA 2x21/39 T5 EXCEL one4all lp xıtec II**	22185111	360 x 30 x 21 mm	350 mm	80 W	86.0 W	A1 BAT	0.40 A	0.99	85 °C	-25 ... +65 °C
2 x 28 W	T5	**PCA 2x28/54 T5 EXCEL one4all lp xıtec II**	22185109	425 x 30 x 21 mm	415 mm	56 W	60.5 W	A1 BAT	0.28 A	0.96	80 °C	-25 ... +70 °C
2 x 54 W	T5	**PCA 2x28/54 T5 EXCEL one4all lp xıtec II**	22185109	425 x 30 x 21 mm	415 mm	108 W	116.5 W	A1 BAT	0.51 A	0.99	85 °C	-25 ... +55 °C
2 x 35 W	T5	**PCA 2x35/49 T5 EXCEL one4all lp xıtec II**	22185106	360 x 30 x 21 mm	350 mm	70 W	74.5 W	A1 BAT	0.34 A	0.97	80 °C	-25 ... +65 °C
2 x 49 W	T5	**PCA 2x35/49 T5 EXCEL one4all lp xıtec II**	22185106	360 x 30 x 21 mm	350 mm	98 W	105.5 W	A1 BAT	0.49 A	0.98	80 °C	-25 ... +60 °C
2 x 80 W	T5	**PCA 2x80 T5 EXCEL one4all lp xıtec II**	22185107	425 x 30 x 21 mm	415 mm	160 W	167.0 W	A1 BAT	0.74 A	0.99	80 °C	-25 ... +55 °C
2 x 55 W	TC-L	**PCA 2x80 T5 EXCEL one4all lp xıtec II**	22185107	425 x 30 x 21 mm	415 mm	110 W	117.0 W	A1 BAT	0.52 A	0.99	80 °C	-25 ... +55 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T5

PCA T5 EXCEL one4all lp x!tec, 3x14/24 W and 4x14/24 W

EXCEL T5

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Multilamp management
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee

Interfaces

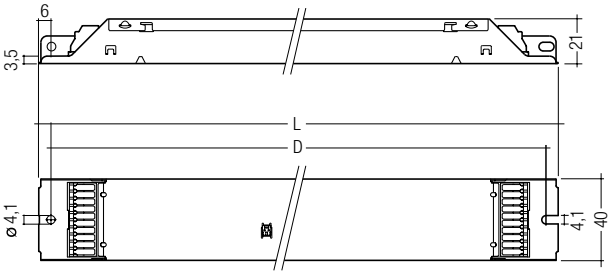
- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (individually programmable)

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 50 ms and 90 s (min. – max.)
- Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Dimming possible in DC mode
- Backwards compatible

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range, 3 lamps	5 – 100 %
Dimming range, 4 lamps	1 – 100 %
Lamp start possible from	5 % (3 lamps), 1 % (4 lamps)
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 3 lamps				
PCA 3x14/24 T5 EXCEL one4all lp x!tec	**22176209**	20 pc(s).	600 pc(s).	0.298 kg
For luminaires with 4 lamps				
PCA 4x14/24 T5 EXCEL one4all lp x!tec	**22176210**	20 pc(s).	600 pc(s).	0.340 kg

→

Standards – Product / function matrix, page 280

Lamp matrix, page 282

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	**Type**	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 3 lamps												
3 x 14 W	T5	**PCA 3x14/24 T5 EXCEL one4all lp xitec**	22176209	360 x 40 x 21 mm	350 mm	42 W	46.5 W	A1 BAT	0.21 A	0.97	75 °C	-25 ... +60 °C
3 x 24 W	T5	**PCA 3x14/24 T5 EXCEL one4all lp xitec**	22176209	360 x 40 x 21 mm	350 mm	72 W	73.0 W	A1 BAT	0.32 A	0.97	75 °C	-25 ... +55 °C
For luminaires with 4 lamps												
4 x 14 W	T5	**PCA 4x14/24 T5 EXCEL one4all lp xitec**	22176210	360 x 40 x 21 mm	350 mm	56 W	60.5 W	A1 BAT	0.27 A	0.97	75 °C	-25 ... +60 °C
4 x 24 W	T5	**PCA 4x14/24 T5 EXCEL one4all lp xitec**	22176210	360 x 40 x 21 mm	350 mm	96 W	97.5 W	A1 BAT	0.43 A	0.97	75 °C	-25 ... +50 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

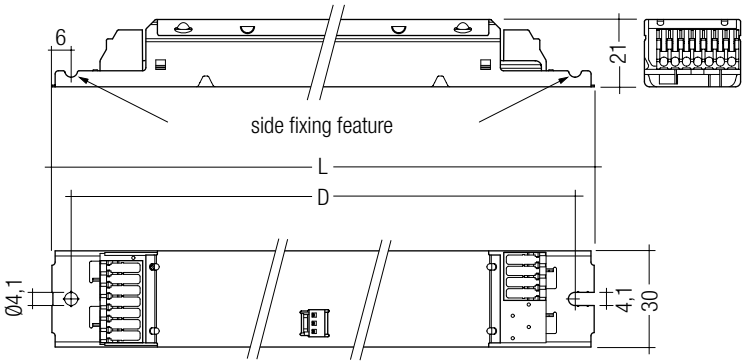
PCA T8 EXCEL one4all lp x!tec II, 18 – 58 W

EXCEL T8

Product description

- Processor-controlled ballast with x!tec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee





Interfaces

- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles + individually programmable)
- Integrated SMART interface for function with all SMART Sensors and SMART plugs of the x!tec II range

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 100 ms and 90 s (min. – max.)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode 15 %, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Dimming possible in DC mode

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	1 – 100 %
Lamp start possible from	1 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

→

Standards – Product / function matrix, page 280

Lamp matrix, page 282

Wiring diagrams and installation examples, page 326

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x18 T8 EXCEL one4all lp x:tec II	**22185239**	10 pc(s).	760 pc(s).	0.228 kg
PCA 1x36 T8 EXCEL one4all lp x:tec II	**28000034**	10 pc(s).	760 pc(s).	0.222 kg
PCA 1x58 T8 EXCEL one4all lp x:tec II	**28000036**	10 pc(s).	760 pc(s).	0.236 kg
For luminaires with 2 lamps				
PCA 2x18 T8 EXCEL one4all lp x:tec II	**22185242**	10 pc(s).	760 pc(s).	0.256 kg
PCA 2x36 T8 EXCEL one4all lp x:tec II	**28000038**	10 pc(s).	760 pc(s).	0.256 kg
PCA 2x58 T8 EXCEL one4all lp x:tec II	**28000040**	10 pc(s).	640 pc(s).	0.338 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number ②	Dimensions L x W x H	Hole spacing D	Lamp power ③	Circuit power ③	EEI	Current at 230 V, 50 Hz ③	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ④
For luminaires with 1 lamp												
1 x 18 W	T8	**PCA 1x18 T8 EXCEL one4all lp x:tec II**	22185239	360 x 30 x 21 mm	350 mm	16 W	18.5 W	A1 BAT	0.08 A	0.96	80 °C	-25 ... +70 °C
1 x 36 W	T8	**PCA 1x36 T8 EXCEL one4all lp x:tec II**	28000034	360 x 30 x 21 mm	350 mm	32 W	35.0 W	A1 BAT	0.16 A	0.98	85 °C	-25 ... +70 °C
1 x 58 W	T8	**PCA 1x58 T8 EXCEL one4all lp x:tec II**	28000036	360 x 30 x 21 mm	350 mm	50 W	54.0 W	A1 BAT	0.24 A	0.98	85 °C	-25 ... +70 °C
For luminaires with 2 lamps												
2 x 18 W	T8	**PCA 2x18 T8 EXCEL one4all lp x:tec II**	22185242	360 x 30 x 21 mm	350 mm	32 W	37.5 W	A1 BAT	0.16 A	0.98	75 °C	-25 ... +60 °C
2 x 36 W	T8	**PCA 2x36 T8 EXCEL one4all lp x:tec II**	28000038	360 x 30 x 21 mm	350 mm	64 W	70.0 W	A1 BAT	0.31 A	0.97	80 °C	-25 ... +60 °C
2 x 58 W	T8	**PCA 2x58 T8 EXCEL one4all lp x:tec II**	28000040	425 x 30 x 21 mm	415 mm	100 W	107.5 W	A1 BAT	0.48 A	0.99	80 °C	-25 ... +55 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Art. no. 28000034, 28000036, 28000038, 28000040 available at 1st quarter 2013.
③ Valid at 100 % dimming level.
④ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

PCA T8 EXCEL one4all lp x!tec, 36 – 58 W

EXCEL T8

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee

Interfaces

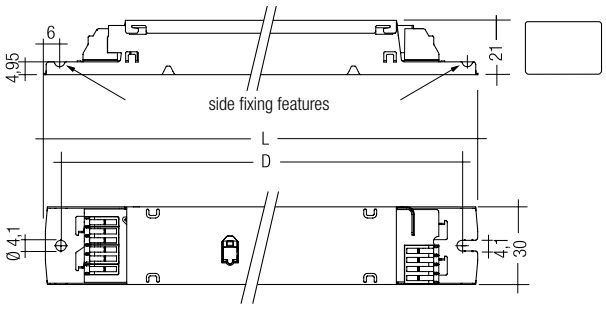
- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (individually programmable)

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 50 ms and 90 s (min. – max.)
- Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Dimming possible in DC mode
- Backwards compatible

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	1 – 100 %
Lamp start possible from	1 %
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x36 T8 EXCEL one4all lp x!tec	**22176239**	10 pc(s).	760 pc(s).	0.244 kg
PCA 1x58 T8 EXCEL one4all lp x!tec	**22176235**	10 pc(s).	760 pc(s).	0.263 kg
For luminaires with 2 lamps				
PCA 2x36 T8 EXCEL one4all lp x!tec	**22176240**	10 pc(s).	760 pc(s).	0.277 kg
PCA 2x58 T8 EXCEL one4all lp x!tec	**22176237**	10 pc(s).	640 pc(s).	0.333 kg

→

Standards – Product / function matrix, page 280

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp												
1 x 36 W	T8	**PCA 1x36 T8 EXCEL one4all lp x:tec**	22176239	360 x 30 x 21 mm	350 mm	32 W	35.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +60 °C
1 x 58 W	T8	**PCA 1x58 T8 EXCEL one4all lp x:tec**	22176235	360 x 30 x 21 mm	350 mm	50 W	53.5 W	A1 BAT	0.23 A	0.97	75 °C	-25 ... +60 °C
For luminaires with 2 lamps												
2 x 36 W	T8	**PCA 2x36 T8 EXCEL one4all lp x:tec**	22176240	360 x 30 x 21 mm	350 mm	64 W	68.5 W	A1 BAT	0.30 A	0.98	80 °C	-25 ... +60 °C
2 x 58 W	T8	**PCA 2x58 T8 EXCEL one4all lp x:tec**	22176237	425 x 30 x 21 mm	415 mm	100 W	107.5 W	A1 BAT	0.47 A	0.99	80 °C	-25 ... +50 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ 0 °C to ta max: unrestricted dimming. -25 °C to 0 °C: unrestricted dimming from 100 to 30 %.
-25 °C to 0 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

PCA T8 EXCEL one4all lp x!tec, 3x18 W and 4x18 W

EXCEL T8

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee

Interfaces

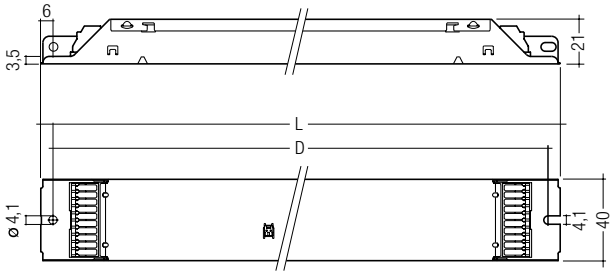
- DALI, DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (individually programmable)

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 50 ms and 90 s (min. – max.)
- Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Dimming possible in DC mode

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range, 3 lamps	5 – 100 %
Dimming range, 4 lamps	1 – 100 %
Lamp start possible from	5 % (3 lamps), 1 % (4 lamps)
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 3 lamps				
PCA 3x18 T8 EXCEL one4all lp x!tec	**22185247**	20 pc(s).	600 pc(s).	0.303 kg
For luminaires with 4 lamps				
PCA 4x18 T8 EXCEL one4all lp x!tec	**22185250**	20 pc(s).	600 pc(s).	0.338 kg

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Standards – Product / function matrix, page 280

Lamp matrix, page 282

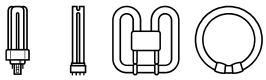
Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 3 lamps												
3 x 18 W	T8	**PCA 3x18 T8 EXCEL one4all lp x!tec**	22185247	360 x 40 x 21 mm	350 mm	48.5 W	51 W	A1 BAT	0.23 A	0.97	75 °C	-25 ... +60 °C
For luminaires with 4 lamps												
4 x 18 W	T8	**PCA 4x18 T8 EXCEL one4all lp x!tec**	22185250	360 x 40 x 21 mm	350 mm	65.0 W	69 W	A1 BAT	0.31 A	0.98	80 °C	-25 ... +60 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.





TC-DEL
TC-SEL
TC-TEL
TC-TEL HE

TC-F
TC-L

TC-DD

T5c

PCA TC EXCEL one4all xᵗec II, 18 – 57 W

EXCEL compact

Product description

- Processor-controlled ballast with xᵗec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee

Interfaces

- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles + individually programmable)
- Integrated SMART interface for function with all SMART Sensors and SMART plugs of the xᵗec II range

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 100 ms and 90 s (min. – max.)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode 15 %, can be set between 3 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Dimming possible in DC mode

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

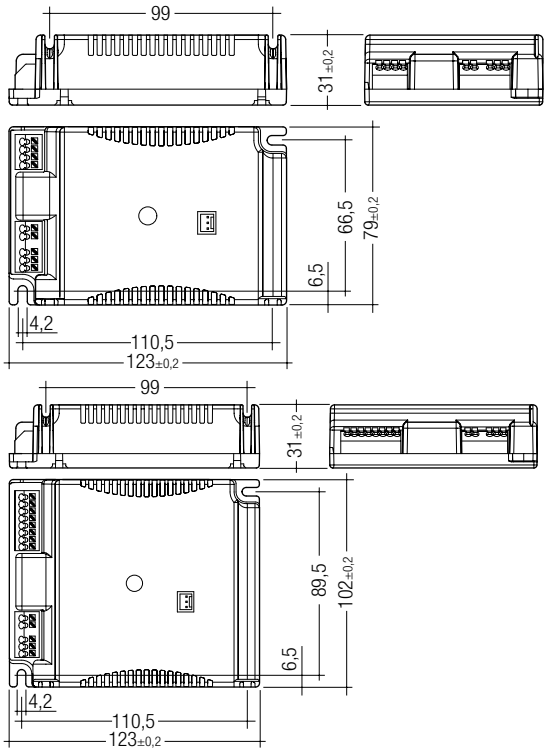
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Standards – Product / function matrix, page 280

Lamp matrix, page 282

Wiring diagrams and installation examples, page 326





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	3 – 100 %
Lamp start possible from	3 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x11/13 TC EXCEL one4all xıtec II	**22185134**	10 pc(s).	500 pc(s).	0.201 kg
PCA 1x18 TC EXCEL one4all xıtec II	**22185130**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x18/24 TCL EXCEL one4all c xıtec II	**22185251**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x26-57 TC EXCEL one4all xıtec II	**22185128**	10 pc(s).	500 pc(s).	0.163 kg
PCA 1x28 TC-DD EXCEL one4all xıtec II	**22185254**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x55 T5c EXCEL one4all xıtec II	**22185132**	10 pc(s).	500 pc(s).	0.162 kg
For luminaires with 2 lamps				
PCA 2x11/13 TC EXCEL one4all xıtec II	**22185135**	10 pc(s).	500 pc(s).	0.144 kg
PCA 2x18 TC EXCEL one4all xıtec II	**22185131**	10 pc(s).	500 pc(s).	0.201 kg
PCA 2x18/24 TCL EXCEL one4all c xıtec II	**22185257**	10 pc(s).	500 pc(s).	0.203 kg
PCA 2x26/32/42 TC EXCEL one4all xıtec II	**22185129**	10 pc(s).	500 pc(s).	0.206 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp											
1 x 13 W	TC-DEL	**PCA 1x11/13 TC EXCEL one4all xıtec II**	22185134	123 x 79 x 31 mm	12.5 W	13.5 W	A1 BAT	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 11 W	TC-SEL	**PCA 1x11/13 TC EXCEL one4all xıtec II**	22185134	123 x 79 x 31 mm	11.0 W	12.5 W	A1	0.06 A	0.96	75 °C	-25 ... +70 °C
1 x 13 W	TC-TEL	**PCA 1x11/13 TC EXCEL one4all xıtec II**	22185134	123 x 79 x 31 mm	12.5 W	14.0 W	A1 BAT	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 11 W	TC-TEL HE	**PCA 1x11/13 TC EXCEL one4all xıtec II**	22185134	123 x 79 x 31 mm	11.5 W	13.0 W	A1	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 14 W	TC-TEL HE	**PCA 1x11/13 TC EXCEL one4all xıtec II**	22185134	123 x 79 x 31 mm	14.5 W	16.0 W	A1 BAT	0.08 A	0.97	75 °C	-25 ... +70 °C
1 x 17 W	TC-TEL HE	**PCA 1x11/13 TC EXCEL one4all xıtec II**	22185134	123 x 79 x 31 mm	17.5 W	19.0 W	A1 BAT	0.09 A	0.98	75 °C	-25 ... +70 °C
1 x 18 W	TC-DEL	**PCA 1x18 TC EXCEL one4all xıtec II**	22185130	123 x 79 x 31 mm	16.5 W	19.0 W	A1 BAT	0.09 A	0.95	80 °C	-25 ... +70 °C
1 x 18 W	TC-TEL	**PCA 1x18 TC EXCEL one4all xıtec II**	22185130	123 x 79 x 31 mm	16.5 W	18.5 W	A1 BAT	0.09 A	0.95	80 °C	-25 ... +70 °C
1 x 22 W	T5c	**PCA 1x18/24 TCL EXCEL one4all c xıtec II**	22185251	123 x 79 x 31 mm	22.0 W	25.0 W	A1 BAT	0.11 A	0.98	75 °C	-25 ... +65 °C
1 x 18 W	TC-F	**PCA 1x18/24 TCL EXCEL one4all c xıtec II**	22185251	123 x 79 x 31 mm	15.0 W	18.5 W	A1 BAT	0.08 A	0.96	75 °C	-25 ... +65 °C
1 x 24 W	TC-F	**PCA 1x18/24 TCL EXCEL one4all c xıtec II**	22185251	123 x 79 x 31 mm	20.0 W	24.5 W	A1 BAT	0.11 A	0.98	75 °C	-25 ... +65 °C
1 x 24 W	TC-L	**PCA 1x18/24 TCL EXCEL one4all c xıtec II**	22185251	123 x 79 x 31 mm	16.0 W	24.5 W	A1 BAT	0.12 A	0.98	75 °C	-25 ... +65 °C
1 x 18 W	TC-L	**PCA 1x18/24 TCL EXCEL one4all c xıtec II**	22185251	123 x 79 x 31 mm	16.0 W	18.5 W	A1 BAT	0.08 A	0.96	75 °C	-25 ... +65 °C
1 x 40 W	T5c	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	40.0 W	43.0 W	A1 BAT	0.16 A	0.97	75 °C	-25 ... +65 °C
1 x 26 W	TC-DEL	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	24.0 W	26.5 W	A1 BAT	0.13 A	0.95	75 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	40.0 W	43.0 W	A1 BAT	0.18 A	0.97	75 °C	-25 ... +65 °C
1 x 26 W	TC-TEL	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	24.0 W	27.0 W	A1 BAT	0.13 A	0.95	75 °C	-25 ... +65 °C
1 x 32 W	TC-TEL	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	32.0 W	35.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +65 °C
1 x 42 W	TC-TEL	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	42.0 W	44.0 W	A1 BAT	0.20 A	0.98	75 °C	-25 ... +65 °C
1 x 57 W	TC-TEL	**PCA 1x26-57 TC EXCEL one4all xıtec II**	22185128	123 x 79 x 31 mm	57.0 W	61.0 W	A1 BAT	0.24 A	0.98	75 °C	-25 ... +65 °C
1 x 28 W	TC-DD	**PCA 1x28 TC-DD EXCEL one4all xıtec II**	22185254	123 x 79 x 31 mm	26.5 W	27.5 W	A1 BAT	0.13 A	0.98	75 °C	-25 ... +65 °C
1 x 55 W	T5c	**PCA 1x55 T5c EXCEL one4all xıtec II**	22185132	123 x 79 x 31 mm	55.0 W	59.0 W	A1 BAT	0.26 A	0.98	70 °C	-25 ... +55 °C
For luminaires with 2 lamps											
2 x 13 W	TC-DEL	**PCA 2x11/13 TC EXCEL one4all xıtec II**	22185135	123 x 102 x 31 mm	25.0 W	27.0 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 11 W	TC-SEL	**PCA 2x11/13 TC EXCEL one4all xıtec II**	22185135	123 x 102 x 31 mm	22.0 W	24.5 W	A1 BAT	0.11 A	0.96	70 °C	-25 ... +60 °C
2 x 13 W	TC-TEL	**PCA 2x11/13 TC EXCEL one4all xıtec II**	22185135	123 x 102 x 31 mm	25.0 W	27.5 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 11 W	TC-TEL HE	**PCA 2x11/13 TC EXCEL one4all xıtec II**	22185135	123 x 102 x 31 mm	23.5 W	26.0 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 14 W	TC-TEL HE	**PCA 2x11/13 TC EXCEL one4all xıtec II**	22185135	123 x 102 x 31 mm	29.0 W	31.0 W	A1 BAT	0.15 A	0.97	70 °C	-25 ... +60 °C
2 x 17 W	TC-TEL HE	**PCA 2x11/13 TC EXCEL one4all xıtec II**	22185135	123 x 102 x 31 mm	35.0 W	37.5 W	A1 BAT	0.17 A	0.98	70 °C	-25 ... +60 °C
2 x 18 W	TC-DEL	**PCA 2x18 TC EXCEL one4all xıtec II**	22185131	123 x 102 x 31 mm	33.0 W	36.0 W	A1 BAT	0.17 A	0.97	75 °C	-25 ... +70 °C
2 x 18 W	TC-TEL	**PCA 2x18 TC EXCEL one4all xıtec II**	22185131	123 x 102 x 31 mm	33.0 W	36.0 W	A1 BAT	0.17 A	0.97	75 °C	-25 ... +70 °C
2 x 18 W	TC-F	**PCA 2x18/24 TCL EXCEL one4all c xıtec II**	22185257	123 x 102 x 31 mm	15.0 W	37.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +60 °C
2 x 24 W	TC-F	**PCA 2x18/24 TCL EXCEL one4all c xıtec II**	22185257	123 x 102 x 31 mm	20.0 W	48.0 W	A1 BAT	0.21 A	0.98	75 °C	-25 ... +60 °C
2 x 18 W	TC-L	**PCA 2x18/24 TCL EXCEL one4all c xıtec II**	22185257	123 x 102 x 31 mm	16.0 W	37.0 W	A1 BAT	0.16 A	0.97	75 °C	-25 ... +60 °C
2 x 24 W	TC-L	**PCA 2x18/24 TCL EXCEL one4all c xıtec II**	22185257	123 x 102 x 31 mm	22.0 W	48.0 W	A1 BAT	0.24 A	0.98	75 °C	-25 ... +60 °C
2 x 26 W	TC-DEL	**PCA 2x26/32/42 TC EXCEL one4all xıtec II**	22185129	123 x 102 x 31 mm	48.0 W	52.0 W	A1 BAT	0.24 A	0.96	75 °C	-25 ... +60 °C
2 x 26 W	TC-TEL	**PCA 2x26/32/42 TC EXCEL one4all xıtec II**	22185129	123 x 102 x 31 mm	48.0 W	52.0 W	A1 BAT	0.24 A	0.96	75 °C	-25 ... +60 °C
2 x 32 W	TC-TEL	**PCA 2x26/32/42 TC EXCEL one4all xıtec II**	22185129	123 x 102 x 31 mm	64.0 W	68.0 W	A1 BAT	0.29 A	0.97	75 °C	-25 ... +60 °C
2 x 42 W	TC-TEL	**PCA 2x26/32/42 TC EXCEL one4all xıtec II**	22185129	123 x 102 x 31 mm	84.0 W	88.5 W	A1 BAT	0.39 A	0.98	75 °C	-25 ... +60 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T5 TC-L

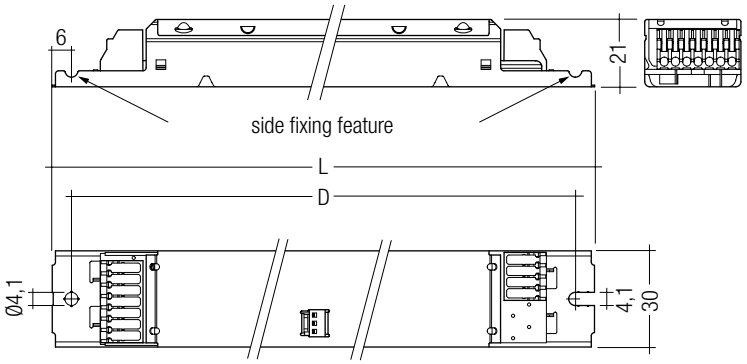
PCA T5 ECO lp x:tec II, 14 – 80 W

ECO T5

Product description

- Processor-controlled ballast with x:tec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Multilamp management
- OEM-specific reserved memory areas
- 5-year guarantee





Interfaces

- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART interface for function with SMART Sensor 5D 19f and corridorFUNCTION plugs

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode, 15 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	1 – 100 %
Lamp start possible from	1 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

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Standards – Product / function matrix, page 280
Lamp matrix, page 284
Wiring diagrams and installation examples, page 326

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x14/24 ECO lp xıtec II	**22185094**	10 pc(s).	760 pc(s).	0.342 kg
PCA 1x21/39 T5 ECO lp xıtec II	**22185101**	10 pc(s).	760 pc(s).	0.233 kg
PCA 1x28/54 T5 ECO lp xıtec II	**22185099**	10 pc(s).	760 pc(s).	0.240 kg
PCA 1x35/49/80 T5 ECO lp xıtec II	**22185096**	10 pc(s).	760 pc(s).	0.243 kg
For luminaires with 2 lamps				
PCA 2x14/24 ECO lp xıtec II	**22185095**	10 pc(s).	760 pc(s).	0.272 kg
PCA 2x21/39 T5 ECO lp xıtec II	**22185102**	10 pc(s).	760 pc(s).	0.270 kg
PCA 2x28/54 T5 ECO lp xıtec II	**22185100**	10 pc(s).	640 pc(s).	0.332 kg
PCA 2x35/49 T5 ECO lp xıtec II	**22185097**	10 pc(s).	760 pc(s).	0.260 kg
PCA 2x80 T5 ECO lp xıtec II	**22185098**	10 pc(s).	640 pc(s).	0.343 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp												
1 x 14 W	T5	**PCA 1x14/24 ECO lp xıtec II**	22185094	360 x 30 x 21 mm	350 mm	14 W	16.0 W	A1 BAT	0.08 A	0.95	80 °C	-25 ... +70 °C
1 x 24 W	T5	**PCA 1x14/24 ECO lp xıtec II**	22185094	360 x 30 x 21 mm	350 mm	23 W	25.5 W	A1 BAT	0.12 A	0.97	80 °C	-25 ... +70 °C
1 x 21 W	T5	**PCA 1x21/39 T5 ECO lp xıtec II**	22185101	360 x 30 x 21 mm	350 mm	21 W	23.0 W	A1 BAT	0.11 A	0.95	80 °C	-25 ... +70 °C
1 x 39 W	T5	**PCA 1x21/39 T5 ECO lp xıtec II**	22185101	360 x 30 x 21 mm	350 mm	38 W	41.5 W	A1 BAT	0.19 A	0.97	80 °C	-25 ... +65 °C
1 x 36 W	TC-L	**PCA 1x21/39 T5 ECO lp xıtec II**	22185101	360 x 30 x 21 mm	350 mm	32 W	35.5 W	A1 BAT	0.16 A	0.96	80 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PCA 1x21/39 T5 ECO lp xıtec II**	22185101	360 x 30 x 21 mm	350 mm	40 W	43.0 W	A1 BAT	0.20 A	0.98	80 °C	-25 ... +65 °C
1 x 28 W	T5	**PCA 1x28/54 T5 ECO lp xıtec II**	22185099	360 x 30 x 21 mm	350 mm	28 W	30.5 W	A1 BAT	0.14 A	0.95	80 °C	-25 ... +75 °C
1 x 54 W	T5	**PCA 1x28/54 T5 ECO lp xıtec II**	22185099	360 x 30 x 21 mm	350 mm	54 W	58.0 W	A1 BAT	0.26 A	0.98	80 °C	-25 ... +70 °C
1 x 35 W	T5	**PCA 1x35/49/80 T5 ECO lp xıtec II**	22185096	360 x 30 x 21 mm	350 mm	35 W	39.0 W	A1 BAT	0.18 A	0.95	85 °C	-25 ... +75 °C
1 x 49 W	T5	**PCA 1x35/49/80 T5 ECO lp xıtec II**	22185096	360 x 30 x 21 mm	350 mm	49 W	53.0 W	A1 BAT	0.25 A	0.97	80 °C	-25 ... +70 °C
1 x 80 W	T5	**PCA 1x35/49/80 T5 ECO lp xıtec II**	22185096	360 x 30 x 21 mm	350 mm	80 W	85.5 W	A1 BAT	0.40 A	0.99	80 °C	-25 ... +60 °C
1 x 55 W	TC-L	**PCA 1x35/49/80 T5 ECO lp xıtec II**	22185096	360 x 30 x 21 mm	350 mm	55 W	60.0 W	A1 BAT	0.28 A	0.97	80 °C	-25 ... +60 °C
1 x 80 W	TC-L	**PCA 1x35/49/80 T5 ECO lp xıtec II**	22185096	360 x 30 x 21 mm	350 mm	80 W	85.5 W	A1 BAT	0.36 A	0.98	80 °C	-25 ... +60 °C
For luminaires with 2 lamps												
2 x 14 W	T5	**PCA 2x14/24 ECO lp xıtec II**	22185095	360 x 30 x 21 mm	350 mm	28 W	30.5 W	A1 BAT	0.14 A	0.96	80 °C	-25 ... +70 °C
2 x 24 W	T5	**PCA 2x14/24 ECO lp xıtec II**	22185095	360 x 30 x 21 mm	350 mm	45 W	49.5 W	A1 BAT	0.22 A	0.98	80 °C	-25 ... +65 °C
2 x 18 W	TC-L	**PCA 2x14/24 ECO lp xıtec II**	22185095	360 x 30 x 21 mm	350 mm	32 W	38.0 W	A1 BAT	0.15 A	0.96	80 °C	-25 ... +65 °C
2 x 24 W	TC-L	**PCA 2x14/24 ECO lp xıtec II**	22185095	360 x 30 x 21 mm	350 mm	44 W	49.0 W	A1 BAT	0.21 A	0.98	80 °C	-25 ... +65 °C
2 x 21 W	T5	**PCA 2x21/39 T5 ECO lp xıtec II**	22185102	360 x 30 x 21 mm	350 mm	41 W	45.5 W	A1 BAT	0.21 A	0.96	85 °C	-25 ... +70 °C
2 x 39 W	T5	**PCA 2x21/39 T5 ECO lp xıtec II**	22185102	360 x 30 x 21 mm	350 mm	76 W	82.0 W	A1 BAT	0.37 A	0.98	85 °C	-25 ... +65 °C
2 x 36 W	TC-L	**PCA 2x21/39 T5 ECO lp xıtec II**	22185102	360 x 30 x 21 mm	350 mm	64 W	71.0 W	A1 BAT	0.31 A	0.98	85 °C	-25 ... +65 °C
2 x 40 W	TC-L	**PCA 2x21/39 T5 ECO lp xıtec II**	22185102	360 x 30 x 21 mm	350 mm	80 W	86.0 W	A1 BAT	0.40 A	0.99	85 °C	-25 ... +65 °C
2 x 28 W	T5	**PCA 2x28/54 T5 ECO lp xıtec II**	22185100	425 x 30 x 21 mm	415 mm	56 W	60.5 W	A1 BAT	0.28 A	0.96	80 °C	-25 ... +70 °C
2 x 54 W	T5	**PCA 2x28/54 T5 ECO lp xıtec II**	22185100	425 x 30 x 21 mm	415 mm	108 W	116.5 W	A1 BAT	0.51 A	0.99	85 °C	-25 ... +55 °C
2 x 35 W	T5	**PCA 2x35/49 T5 ECO lp xıtec II**	22185097	360 x 30 x 21 mm	350 mm	70 W	74.5 W	A1 BAT	0.34 A	0.97	80 °C	-25 ... +65 °C
2 x 49 W	T5	**PCA 2x35/49 T5 ECO lp xıtec II**	22185097	360 x 30 x 21 mm	350 mm	98 W	105.5 W	A1 BAT	0.49 A	0.98	80 °C	-25 ... +60 °C
2 x 80 W	T5	**PCA 2x80 T5 ECO lp xıtec II**	22185098	425 x 30 x 21 mm	415 mm	160 W	167.0 W	A1 BAT	0.74 A	0.99	80 °C	-25 ... +55 °C
2 x 55 W	TC-L	**PCA 2x80 T5 ECO lp xıtec II**	22185098	425 x 30 x 21 mm	415 mm	110 W	117.0 W	A1 BAT	0.52 A	0.99	80 °C	-25 ... +55 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

RoHS

T5

PCA T5 ECO lp x!tec, 3x14/24 W and 4x14/24 W

ECO T5

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- 5-year guarantee

Interfaces

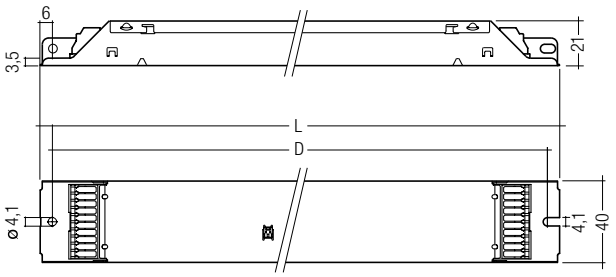
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Automatically triggered emergency lighting value in DC mode, 70 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Backwards compatible

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range, 3 lamps	5 – 100 %
Dimming range, 4 lamps	1 – 100 %
Lamp start possible from	5 % (3 lamps), 1 % (4 lamps)
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 3 lamps				
PCA 3x14/24 T5 ECO lp x!tec	**22176211**	20 pc(s).	600 pc(s).	0.301 kg
For luminaires with 4 lamps				
PCA 4x14/24 T5 ECO lp x!tec	**22176212**	20 pc(s).	600 pc(s).	0.341 kg

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Standards – Product / function matrix, page 280

Lamp matrix, page 284

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 3 lamps												
3 x 14 W	T5	**PCA 3x14/24 T5 ECO lp x!tec**	22176211	360 x 40 x 21 mm	350 mm	42 W	46.5 W	A1 BAT	0.21 A	0.97	75 °C	-25 ... +60 °C
3 x 24 W	T5	**PCA 3x14/24 T5 ECO lp x!tec**	22176211	360 x 40 x 21 mm	350 mm	72 W	73.0 W	A1 BAT	0.32 A	0.97	75 °C	-25 ... +55 °C
For luminaires with 4 lamps												
4 x 14 W	T5	**PCA 4x14/24 T5 ECO lp x!tec**	22176212	360 x 40 x 21 mm	350 mm	56 W	60.5 W	A1 BAT	0.27 A	0.97	75 °C	-25 ... +60 °C
4 x 24 W	T5	**PCA 4x14/24 T5 ECO lp x!tec**	22176212	360 x 40 x 21 mm	350 mm	96 W	97.5 W	A1 BAT	0.43 A	0.97	75 °C	-25 ... +50 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

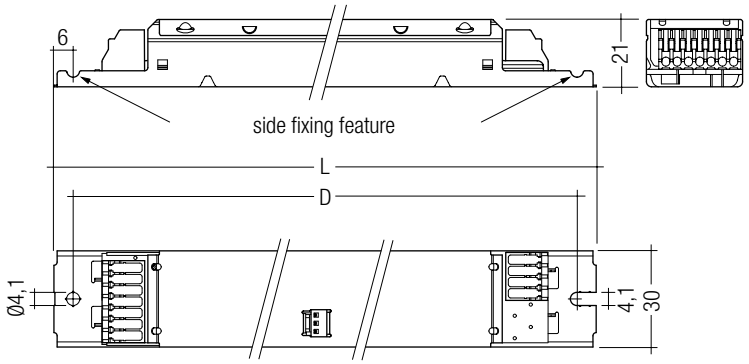
PCA T8 ECO lp x!tec II, 18 – 58 W

ECO T8

Product description

- Processor-controlled ballast with x!tec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- Multilamp management
- OEM-specific reserved memory areas
- 5-year guarantee





Interfaces

- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART interface for function with SMART Sensor 5D 19f and corridorFUNCTION plugs

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode, 15 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	1 – 100 %
Lamp start possible from	1 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

→

Standards – Product / function matrix, page 280

Lamp matrix, page 284

Wiring diagrams and installation examples, page 326

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x18 T8 ECO lp xtec II	**22185240**	10 pc(s).	760 pc(s).	0.231 kg
PCA 1x36 T8 ECO lp xtec II	**28000035**	10 pc(s).	760 pc(s).	0.222 kg
PCA 1x58 T8 ECO lp xtec II	**28000037**	10 pc(s).	760 pc(s).	0.234 kg
For luminaires with 2 lamps				
PCA 2x18 T8 ECO lp xtec II	**22185243**	10 pc(s).	760 pc(s).	0.256 kg
PCA 2x36 T8 ECO lp xtec II	**28000039**	10 pc(s).	760 pc(s).	0.256 kg
PCA 2x58 T8 ECO lp xtec II	**28000041**	10 pc(s).	640 pc(s).	0.330 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number ②	Dimensions L x W x H	Hole spacing D	Lamp power ③	Circuit power ③	EEI	Current at 230 V, 50 Hz ③	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ④
For luminaires with 1 lamp												
1 x 18 W	T8	**PCA 1x18 T8 ECO lp xtec II**	22185240	360 x 30 x 21 mm	350 mm	16 W	18.5 W	A1 BAT	0.08 A	0.96	80 °C	-25 ... +70 °C
1 x 36 W	T8	**PCA 1x36 T8 ECO lp xtec II**	28000035	360 x 30 x 21 mm	350 mm	32 W	35.0 W	A1 BAT	0.16 A	0.98	85 °C	-25 ... +70 °C
1 x 58 W	T8	**PCA 1x58 T8 ECO lp xtec II**	28000037	360 x 30 x 21 mm	350 mm	50 W	54.0 W	A1 BAT	0.24 A	0.98	85 °C	-25 ... +70 °C
For luminaires with 2 lamps												
2 x 18 W	T8	**PCA 2x18 T8 ECO lp xtec II**	22185243	360 x 30 x 21 mm	350 mm	32 W	37.5 W	A1 BAT	0.16 A	0.98	75 °C	-25 ... +60 °C
2 x 36 W	T8	**PCA 2x36 T8 ECO lp xtec II**	28000039	360 x 30 x 21 mm	350 mm	64 W	70.0 W	A1 BAT	0.31 A	0.97	80 °C	-25 ... +60 °C
2 x 58 W	T8	**PCA 2x58 T8 ECO lp xtec II**	28000041	425 x 30 x 21 mm	415 mm	100 W	107.5 W	A1 BAT	0.48 A	0.99	80 °C	-25 ... +55 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Art. no. 28000035, 28000037, 28000039, 28000041 available at 1st quarter 2013.
③ Valid at 100 % dimming level.
④ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

PCA T8 ECO lp x:tec, 36 – 58 W

ECO T8

Product description

- Processor-controlled ballast with x:tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- 5-year guarantee

Interfaces

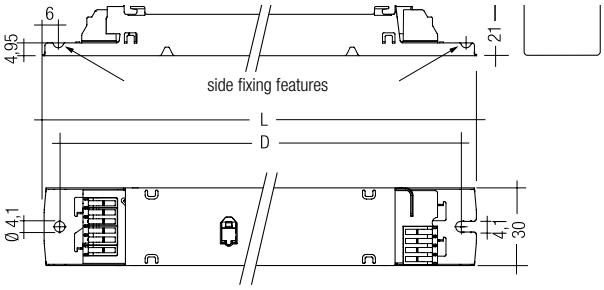
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 50 ms and 90 s (min. – max.)
- Automatically triggered emergency lighting value in DC mode, 70 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty
- Backwards compatible

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	1 – 100 %
Lamp start possible from	1 %
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x36 T8 ECO lp x:tec	**22176354**	10 pc(s).	760 pc(s).	0.246 kg
PCA 1x58 T8 ECO lp x:tec	**22176356**	10 pc(s).	760 pc(s).	0.261 kg
For luminaires with 2 lamps				
PCA 2x36 T8 ECO lp x:tec	**22176355**	10 pc(s).	760 pc(s).	0.279 kg
PCA 2x58 T8 ECO lp x:tec	**22176357**	10 pc(s).	640 pc(s).	0.333 kg

→

Standards – Product / function matrix, page 280

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp												
1 x 36 W	T8	**PCA 1x36 T8 ECO lp x:tec**	22176354	360 x 30 x 21 mm	350 mm	32 W	35.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +60 °C
1 x 58 W	T8	**PCA 1x58 T8 ECO lp x:tec**	22176356	360 x 30 x 21 mm	350 mm	50 W	53.5 W	A1 BAT	0.23 A	0.97	75 °C	-25 ... +60 °C
For luminaires with 2 lamps												
2 x 36 W	T8	**PCA 2x36 T8 ECO lp x:tec**	22176355	360 x 30 x 21 mm	350 mm	64 W	68.5 W	A1 BAT	0.30 A	0.98	80 °C	-25 ... +60 °C
2 x 58 W	T8	**PCA 2x58 T8 ECO lp x:tec**	22176357	425 x 30 x 21 mm	415 mm	100 W	108.0 W	A1 BAT	0.47 A	0.99	80 °C	-25 ... +50 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ 0 °C to ta max: unrestricted dimming. -25 °C to 0 °C: unrestricted dimming from 100 to 30 %.
-25 °C to 0 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

RoHS

T8

PCA T8 ECO lp x!tec, 3x18 W and 4x18 W

ECO T8

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- 5-year guarantee

Interfaces

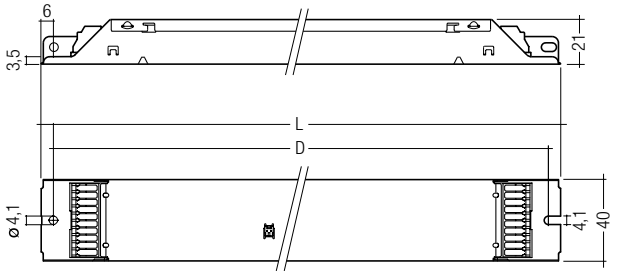
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Automatically triggered emergency lighting value in DC mode, 70 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range, 3 lamps	5 – 100 %
Dimming range, 4 lamps	1 – 100 %
Lamp start possible from	5 % (3 lamps), 1 % (4 lamps)
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 3 lamps				
PCA 3x18 T8 ECO lp x!tec	**22185245**	20 pc(s).	600 pc(s).	0.302 kg
For luminaires with 4 lamps				
PCA 4x18 T8 ECO lp x!tec	**22185248**	20 pc(s).	600 pc(s).	0.341 kg

→

Standards – Product / function matrix, page 280

Lamp matrix, page 284

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 3 lamps												
3 x 18 W	T8	**PCA 3x18 T8 ECO lp x!tec**	22185245	360 x 40 x 21 mm	350 mm	48.5 W	51 W	A1 BAT	0.23 A	0.97	75 °C	-25 ... +60 °C
For luminaires with 4 lamps												
4 x 18 W	T8	**PCA 4x18 T8 ECO lp x!tec**	22185248	360 x 40 x 21 mm	350 mm	65.0 W	69 W	A1 BAT	0.31 A	0.98	80 °C	-25 ... +60 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

TC-DEL
TC-SEL
TC-TEL
TC-TEL HE

TC-F
TC-L

TC-DD

T5c

PCA TC ECO x:tec II, 11 – 57 W

ECO compact

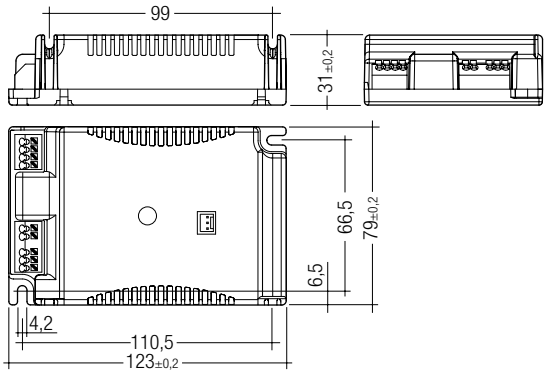
Product description

- Processor-controlled ballast with x:tec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- OEM-specific reserved memory areas
- 5-year guarantee



Interfaces

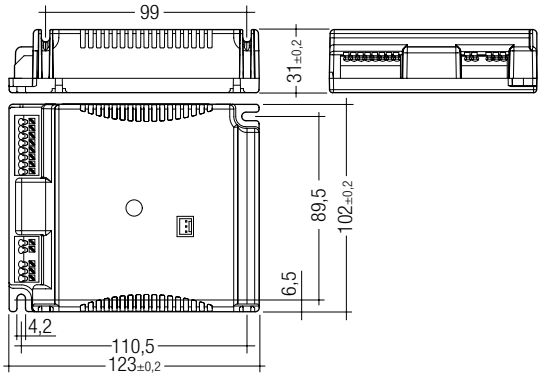
- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART interface for function with SMART Sensor 5D 19f and corridorFUNCTION plugs



Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode, 15 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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



Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	3 – 100 %
Lamp start possible from	3 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

→

Standards – Product / function matrix, page 280

Lamp matrix, page 284

Wiring diagrams and installation examples, page 326

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x11/13 TC ECO xitec II	**22185126**	10 pc(s).	500 pc(s).	0.145 kg
PCA 1x18 TC ECO xitec II	**22185122**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x18/24 TCL ECO c xitec II	**22185252**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x26-57 TC ECO xitec II	**22185120**	10 pc(s).	500 pc(s).	0.163 kg
PCA 1x28 TC-DD ECO xitec II	**22185255**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x55 T5c ECO xitec II	**22185124**	10 pc(s).	500 pc(s).	0.163 kg
For luminaires with 2 lamps				
PCA 2x11/13 TC ECO xitec II	**22185127**	10 pc(s).	500 pc(s).	0.201 kg
PCA 2x18 TC ECO xitec II	**22185123**	10 pc(s).	500 pc(s).	0.202 kg
PCA 2x18/24 TCL ECO c xitec II	**22185258**	10 pc(s).	500 pc(s).	0.203 kg
PCA 2x26/32/42 TC ECO xitec II	**22185121**	10 pc(s).	500 pc(s).	0.205 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp											
1 x 13 W	TC-DEL	**PCA 1x11/13 TC ECO xitec II**	22185126	123 x 79 x 31 mm	12.5 W	13.5 W	A1 BAT	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 11 W	TC-SEL	**PCA 1x11/13 TC ECO xitec II**	22185126	123 x 79 x 31 mm	11.0 W	12.5 W	A1	0.06 A	0.96	75 °C	-25 ... +70 °C
1 x 13 W	TC-TEL	**PCA 1x11/13 TC ECO xitec II**	22185126	123 x 79 x 31 mm	12.5 W	14.0 W	A1 BAT	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 11 W	TC-TEL HE	**PCA 1x11/13 TC ECO xitec II**	22185126	123 x 79 x 31 mm	11.5 W	13.0 W	A1	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 14 W	TC-TEL HE	**PCA 1x11/13 TC ECO xitec II**	22185126	123 x 79 x 31 mm	14.5 W	16.0 W	A1 BAT	0.08 A	0.97	75 °C	-25 ... +70 °C
1 x 17 W	TC-TEL HE	**PCA 1x11/13 TC ECO xitec II**	22185126	123 x 79 x 31 mm	17.5 W	19.0 W	A1 BAT	0.09 A	0.98	75 °C	-25 ... +70 °C
1 x 18 W	TC-DEL	**PCA 1x18 TC ECO xitec II**	22185122	123 x 79 x 31 mm	16.5 W	19.0 W	A1 BAT	0.09 A	0.95	80 °C	-25 ... +70 °C
1 x 18 W	TC-TEL	**PCA 1x18 TC ECO xitec II**	22185122	123 x 79 x 31 mm	16.5 W	18.5 W	A1 BAT	0.09 A	0.95	80 °C	-25 ... +70 °C
1 x 22 W	T5c	**PCA 1x18/24 TCL ECO c xitec II**	22185252	123 x 79 x 31 mm	22.0 W	25.0 W	A1 BAT	0.11 A	0.98	75 °C	-25 ... +65 °C
1 x 18 W	TC-F	**PCA 1x18/24 TCL ECO c xitec II**	22185252	123 x 79 x 31 mm	15.0 W	18.5 W	A1 BAT	0.08 A	0.96	75 °C	-25 ... +65 °C
1 x 24 W	TC-F	**PCA 1x18/24 TCL ECO c xitec II**	22185252	123 x 79 x 31 mm	20.0 W	24.5 W	A1 BAT	0.11 A	0.98	75 °C	-25 ... +65 °C
1 x 24 W	TC-L	**PCA 1x18/24 TCL ECO c xitec II**	22185252	123 x 79 x 31 mm	16.0 W	24.5 W	A1 BAT	0.12 A	0.98	75 °C	-25 ... +65 °C
1 x 18 W	TC-L	**PCA 1x18/24 TCL ECO c xitec II**	22185252	123 x 79 x 31 mm	16.0 W	18.5 W	A1 BAT	0.08 A	0.96	75 °C	-25 ... +65 °C
1 x 40 W	T5c	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	40.0 W	43.0 W	A1 BAT	0.16 A	0.97	75 °C	-25 ... +65 °C
1 x 26 W	TC-DEL	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	24.0 W	26.5 W	A1 BAT	0.13 A	0.95	75 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	40.0 W	43.0 W	A1 BAT	0.18 A	0.97	75 °C	-25 ... +65 °C
1 x 26 W	TC-TEL	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	24.0 W	27.0 W	A1 BAT	0.13 A	0.95	75 °C	-25 ... +65 °C
1 x 32 W	TC-TEL	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	32.0 W	35.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +65 °C
1 x 42 W	TC-TEL	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	42.0 W	44.0 W	A1 BAT	0.20 A	0.98	75 °C	-25 ... +65 °C
1 x 57 W	TC-TEL	**PCA 1x26-57 TC ECO xitec II**	22185120	123 x 79 x 31 mm	57.0 W	61.0 W	A1 BAT	0.24 A	0.98	75 °C	-25 ... +65 °C
1 x 28 W	TC-DD	**PCA 1x28 TC-DD ECO xitec II**	22185255	123 x 79 x 31 mm	26.5 W	27.5 W	A1 BAT	0.13 A	0.98	75 °C	-25 ... +65 °C
1 x 55 W	T5c	**PCA 1x55 T5c ECO xitec II**	22185124	123 x 79 x 31 mm	55.0 W	59.0 W	A1 BAT	0.26 A	0.98	70 °C	-25 ... +55 °C
For luminaires with 2 lamps											
2 x 13 W	TC-DEL	**PCA 2x11/13 TC ECO xitec II**	22185127	123 x 102 x 31 mm	25.0 W	27.0 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 11 W	TC-SEL	**PCA 2x11/13 TC ECO xitec II**	22185127	123 x 102 x 31 mm	22.0 W	24.5 W	A1 BAT	0.11 A	0.96	70 °C	-25 ... +60 °C
2 x 13 W	TC-TEL	**PCA 2x11/13 TC ECO xitec II**	22185127	123 x 102 x 31 mm	25.0 W	27.5 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 11 W	TC-TEL HE	**PCA 2x11/13 TC ECO xitec II**	22185127	123 x 102 x 31 mm	23.5 W	26.0 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 14 W	TC-TEL HE	**PCA 2x11/13 TC ECO xitec II**	22185127	123 x 102 x 31 mm	29.0 W	31.0 W	A1 BAT	0.15 A	0.97	70 °C	-25 ... +60 °C
2 x 17 W	TC-TEL HE	**PCA 2x11/13 TC ECO xitec II**	22185127	123 x 102 x 31 mm	35.0 W	37.5 W	A1 BAT	0.17 A	0.98	70 °C	-25 ... +60 °C
2 x 18 W	TC-DEL	**PCA 2x18 TC ECO xitec II**	22185123	123 x 102 x 31 mm	33.0 W	36.0 W	A1 BAT	0.17 A	0.97	75 °C	-25 ... +70 °C
2 x 18 W	TC-TEL	**PCA 2x18 TC ECO xitec II**	22185123	123 x 102 x 31 mm	33.0 W	36.0 W	A1 BAT	0.17 A	0.97	75 °C	-25 ... +70 °C
2 x 18 W	TC-F	**PCA 2x18/24 TCL ECO c xitec II**	22185258	123 x 102 x 31 mm	15.0 W	37.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +60 °C
2 x 24 W	TC-F	**PCA 2x18/24 TCL ECO c xitec II**	22185258	123 x 102 x 31 mm	20.0 W	48.0 W	A1 BAT	0.21 A	0.98	75 °C	-25 ... +60 °C
2 x 18 W	TC-L	**PCA 2x18/24 TCL ECO c xitec II**	22185258	123 x 102 x 31 mm	16.0 W	37.0 W	A1 BAT	0.16 A	0.97	75 °C	-25 ... +60 °C
2 x 24 W	TC-L	**PCA 2x18/24 TCL ECO c xitec II**	22185258	123 x 102 x 31 mm	22.0 W	48.0 W	A1 BAT	0.22 A	0.98	75 °C	-25 ... +60 °C
2 x 26 W	TC-DEL	**PCA 2x26/32/42 TC ECO xitec II**	22185121	123 x 102 x 31 mm	48.0 W	52.0 W	A1 BAT	0.24 A	0.96	75 °C	-25 ... +60 °C
2 x 26 W	TC-TEL	**PCA 2x26/32/42 TC ECO xitec II**	22185121	123 x 102 x 31 mm	48.0 W	52.0 W	A1 BAT	0.24 A	0.96	75 °C	-25 ... +60 °C
2 x 32 W	TC-TEL	**PCA 2x26/32/42 TC ECO xitec II**	22185121	123 x 102 x 31 mm	64.0 W	68.0 W	A1 BAT	0.29 A	0.97	75 °C	-25 ... +60 °C
2 x 42 W	TC-TEL	**PCA 2x26/32/42 TC ECO xitec II**	22185121	123 x 102 x 31 mm	84.0 W	88.5 W	A1 BAT	0.39 A	0.98	75 °C	-25 ... +60 °C

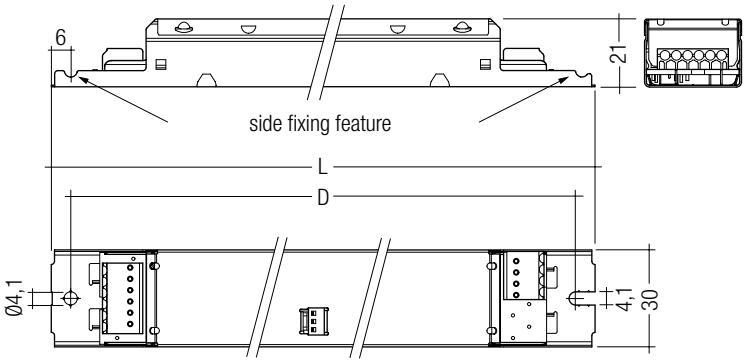
① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T5 TC-L

PCA T5 BASIC lp xıtec II, 14 – 80 W

BASIC T5





Product description

- Processor-controlled ballast with xıtec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee

Interfaces

- DSI
- switchDIM (with memory function)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART interface for function with SMART Sensor 5D 19f and corridorFUNCTION plugs

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode, 15 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	10 – 100 %
Lamp start possible from	10 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

→

Standards – Product / function matrix, page 280

Lamp matrix, page 286

Wiring diagrams and installation examples, page 326

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x14 T5 BASIC lp xitec II	**22185076**	10 pc(s).	760 pc(s).	0.230 kg
PCA 1x21 T5 BASIC lp xitec II	**22185090**	10 pc(s).	760 pc(s).	0.231 kg
PCA 1x24 T5 BASIC lp xitec II	**22185078**	10 pc(s).	760 pc(s).	0.229 kg
PCA 1x28 T5 BASIC lp xitec II	**22185086**	10 pc(s).	760 pc(s).	0.240 kg
PCA 1x35 T5 BASIC lp xitec II	**22185080**	10 pc(s).	760 pc(s).	0.240 kg
PCA 1x39 T5 BASIC lp xitec II	**22185092**	10 pc(s).	760 pc(s).	0.232 kg
PCA 1x49 T5 BASIC lp xitec II	**22185082**	10 pc(s).	760 pc(s).	0.240 kg
PCA 1x54 T5 BASIC lp xitec II	**22185088**	10 pc(s).	760 pc(s).	0.240 kg
PCA 1x80 T5 BASIC lp xitec II	**22185084**	10 pc(s).	760 pc(s).	0.240 kg
For luminaires with 2 lamps				
PCA 2x14 T5 BASIC lp xitec II	**22185077**	10 pc(s).	760 pc(s).	0.266 kg
PCA 2x21 T5 BASIC lp xitec II	**22185091**	10 pc(s).	760 pc(s).	0.267 kg
PCA 2x24 T5 BASIC lp xitec II	**22185079**	10 pc(s).	760 pc(s).	0.267 kg
PCA 2x28 T5 BASIC lp xitec II	**22185087**	10 pc(s).	640 pc(s).	0.330 kg
PCA 2x35 T5 BASIC lp xitec II	**22185081**	10 pc(s).	760 pc(s).	0.260 kg
PCA 2x39 T5 BASIC lp xitec II	**22185093**	10 pc(s).	760 pc(s).	0.270 kg
PCA 2x49 T5 BASIC lp xitec II	**22185083**	10 pc(s).	760 pc(s).	0.260 kg
PCA 2x54 T5 BASIC lp xitec II	**22185089**	10 pc(s).	640 pc(s).	0.328 kg
PCA 2x80 T5 BASIC lp xitec II	**22185085**	10 pc(s).	640 pc(s).	0.332 kg

Specific technical data

Lamp wattage	Lamp type	**Type**	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp												
1 x 14 W	T5	**PCA 1x14 T5 BASIC lp xitec II**	22185076	360 x 30 x 21 mm	350 mm	14 W	16.0 W	A1 BAT	0.08 A	0.95	80 °C	-25 ... +70 °C
1 x 21 W	T5	**PCA 1x21 T5 BASIC lp xitec II**	22185090	360 x 30 x 21 mm	350 mm	21 W	23.0 W	A1 BAT	0.11 A	0.95	80 °C	-25 ... +70 °C
1 x 24 W	T5	**PCA 1x24 T5 BASIC lp xitec II**	22185078	360 x 30 x 21 mm	350 mm	23 W	25.5 W	A1 BAT	0.12 A	0.97	80 °C	-25 ... +70 °C
1 x 28 W	T5	**PCA 1x28 T5 BASIC lp xitec II**	22185086	360 x 30 x 21 mm	350 mm	28 W	30.5 W	A1 BAT	0.14 A	0.95	80 °C	-25 ... +75 °C
1 x 35 W	T5	**PCA 1x35 T5 BASIC lp xitec II**	22185080	360 x 30 x 21 mm	350 mm	35 W	39.0 W	A1 BAT	0.18 A	0.95	85 °C	-25 ... +75 °C
1 x 39 W	T5	**PCA 1x39 T5 BASIC lp xitec II**	22185092	360 x 30 x 21 mm	350 mm	38 W	41.5 W	A1 BAT	0.19 A	0.97	80 °C	-25 ... +65 °C
1 x 36 W	TC-L	**PCA 1x39 T5 BASIC lp xitec II**	22185092	360 x 30 x 21 mm	350 mm	32 W	35.5 W	A1 BAT	0.16 A	0.96	80 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PCA 1x39 T5 BASIC lp xitec II**	22185092	360 x 30 x 21 mm	350 mm	40 W	43.0 W	A1 BAT	0.20 A	0.98	80 °C	-25 ... +65 °C
1 x 49 W	T5	**PCA 1x49 T5 BASIC lp xitec II**	22185082	360 x 30 x 21 mm	350 mm	49 W	53.0 W	A1 BAT	0.25 A	0.97	80 °C	-25 ... +70 °C
1 x 54 W	T5	**PCA 1x54 T5 BASIC lp xitec II**	22185088	360 x 30 x 21 mm	350 mm	54 W	58.0 W	A1 BAT	0.26 A	0.98	80 °C	-25 ... +70 °C
1 x 80 W	T5	**PCA 1x80 T5 BASIC lp xitec II**	22185084	360 x 30 x 21 mm	350 mm	80 W	85.5 W	A1 BAT	0.40 A	0.99	80 °C	-25 ... +60 °C
1 x 55 W	TC-L	**PCA 1x80 T5 BASIC lp xitec II**	22185084	360 x 30 x 21 mm	350 mm	55 W	60.0 W	A1 BAT	0.28 A	0.97	80 °C	-25 ... +60 °C
1 x 80 W	TC-L	**PCA 1x80 T5 BASIC lp xitec II**	22185084	360 x 30 x 21 mm	350 mm	80 W	85.5 W	A1 BAT	0.36 A	0.98	80 °C	-25 ... +60 °C
For luminaires with 2 lamps												
2 x 14 W	T5	**PCA 2x14 T5 BASIC lp xitec II**	22185077	360 x 30 x 21 mm	350 mm	28 W	30.5 W	A1 BAT	0.14 A	0.96	80 °C	-25 ... +70 °C
2 x 21 W	T5	**PCA 2x21 T5 BASIC lp xitec II**	22185091	360 x 30 x 21 mm	350 mm	41 W	45.5 W	A1 BAT	0.21 A	0.96	85 °C	-25 ... +70 °C
2 x 24 W	T5	**PCA 2x24 T5 BASIC lp xitec II**	22185079	360 x 30 x 21 mm	350 mm	45 W	49.5 W	A1 BAT	0.22 A	0.98	80 °C	-25 ... +65 °C
2 x 18 W	TC-L	**PCA 2x24 T5 BASIC lp xitec II**	22185079	360 x 30 x 21 mm	350 mm	32 W	38.0 W	A1 BAT	0.15 A	0.96	80 °C	-25 ... +65 °C
2 x 24 W	TC-L	**PCA 2x24 T5 BASIC lp xitec II**	22185079	360 x 30 x 21 mm	350 mm	44 W	49.0 W	A1 BAT	0.21 A	0.98	80 °C	-25 ... +65 °C
2 x 28 W	T5	**PCA 2x28 T5 BASIC lp xitec II**	22185087	425 x 30 x 21 mm	415 mm	56 W	60.5 W	A1 BAT	0.28 A	0.96	80 °C	-25 ... +70 °C
2 x 35 W	T5	**PCA 2x35 T5 BASIC lp xitec II**	22185081	360 x 30 x 21 mm	350 mm	70 W	74.5 W	A1 BAT	0.34 A	0.97	80 °C	-25 ... +65 °C
2 x 39 W	T5	**PCA 2x39 T5 BASIC lp xitec II**	22185093	360 x 30 x 21 mm	350 mm	76 W	82.0 W	A1 BAT	0.37 A	0.98	85 °C	-25 ... +65 °C
2 x 36 W	TC-L	**PCA 2x39 T5 BASIC lp xitec II**	22185093	360 x 30 x 21 mm	350 mm	64 W	71.0 W	A1 BAT	0.31 A	0.98	85 °C	-25 ... +65 °C
2 x 40 W	TC-L	**PCA 2x39 T5 BASIC lp xitec II**	22185093	360 x 30 x 21 mm	350 mm	80 W	86.0 W	A1 BAT	0.40 A	0.99	85 °C	-25 ... +65 °C
2 x 49 W	T5	**PCA 2x49 T5 BASIC lp xitec II**	22185083	360 x 30 x 21 mm	350 mm	98 W	105.5 W	A1 BAT	0.49 A	0.98	80 °C	-25 ... +60 °C
2 x 54 W	T5	**PCA 2x54 T5 BASIC lp xitec II**	22185089	425 x 30 x 21 mm	415 mm	108 W	116.5 W	A1 BAT	0.51 A	0.99	85 °C	-25 ... +55 °C
2 x 80 W	T5	**PCA 2x80 T5 BASIC lp xitec II**	22185085	425 x 30 x 21 mm	415 mm	160 W	167.0 W	A1 BAT	0.74 A	0.99	80 °C	-25 ... +55 °C
2 x 55 W	TC-L	**PCA 2x80 T5 BASIC lp xitec II**	22185085	425 x 30 x 21 mm	415 mm	110 W	117.0 W	A1 BAT	0.52 A	0.99	80 °C	-25 ... +55 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

PCA T8 BASIC lp x:tec II, 18 – 58 W

BASIC T8

Product description

- Processor-controlled ballast with x:tec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee

Interfaces

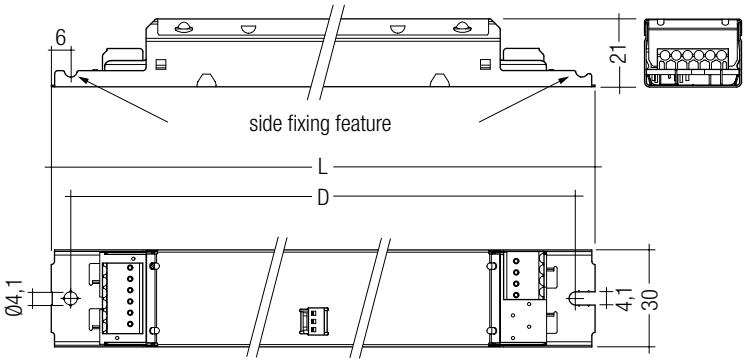
- DSI
- switchDIM (with memory function)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART interface for function with SMART Sensor 5D 19f and corridorFUNCTION plugs

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode, 15 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	10 – 100 %
Lamp start possible from	10 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

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Standards – Product / function matrix, page 280

Lamp matrix, page 286

Wiring diagrams and installation examples, page 326

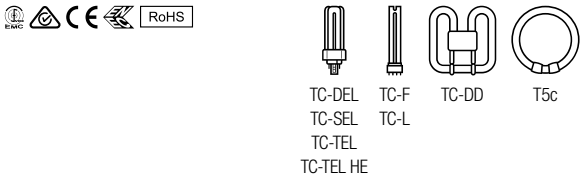
Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x18 T8 BASIC lp xitec II	**22185241**	10 pc(s).	760 pc(s).	0.222 kg
PCA 1x36 T8 BASIC lp xitec II	**28000042**	10 pc(s).	760 pc(s).	0.219 kg
PCA 1x58 T8 BASIC lp xitec II	**28000043**	10 pc(s).	760 pc(s).	0.231 kg
For luminaires with 2 lamps				
PCA 2x18 T8 BASIC lp xitec II	**22185244**	10 pc(s).	760 pc(s).	0.253 kg
PCA 2x36 T8 BASIC lp xitec II	**28000044**	10 pc(s).	760 pc(s).	0.253 kg
PCA 2x58 T8 BASIC lp xitec II	**28000045**	10 pc(s).	640 pc(s).	0.334 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp												
1 x 18 W	T8	**PCA 1x18 T8 BASIC lp xitec II**	22185241	360 x 30 x 21 mm	350 mm	16 W	18.5 W	A1 BAT	0.08 A	0.96	80 °C	-25 ... +70 °C
1 x 36 W	T8	**PCA 1x36 T8 BASIC lp xitec II**	28000042	360 x 30 x 21 mm	350 mm	32 W	35.0 W	A1 BAT	0.16 A	0.98	85 °C	-25 ... +70 °C
1 x 58 W	T8	**PCA 1x58 T8 BASIC lp xitec II**	28000043	360 x 30 x 21 mm	350 mm	50 W	54.0 W	A1 BAT	0.24 A	0.98	85 °C	-25 ... +70 °C
For luminaires with 2 lamps												
2 x 18 W	T8	**PCA 2x18 T8 BASIC lp xitec II**	22185244	360 x 30 x 21 mm	350 mm	32 W	37.5 W	A1 BAT	0.16 A	0.98	75 °C	-25 ... +60 °C
2 x 36 W	T8	**PCA 2x36 T8 BASIC lp xitec II**	28000044	360 x 30 x 21 mm	350 mm	64 W	70.0 W	A1 BAT	0.31 A	0.97	80 °C	-25 ... +60 °C
2 x 58 W	T8	**PCA 2x58 T8 BASIC lp xitec II**	28000045	425 x 30 x 21 mm	415 mm	100 W	107.5 W	A1 BAT	0.48 A	0.99	80 °C	-25 ... +55 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.



PCA TC BASIC xıtec II, 11 – 57 W

BASIC compact

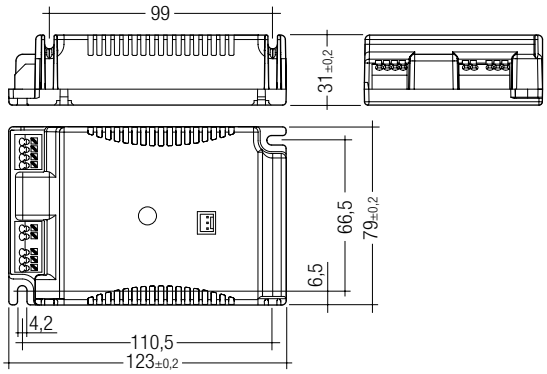
Product description

- Processor-controlled ballast with xıtec II inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- Nominal life time up to 100,000 h (at ta 50 °C with a failure rate max. 0.2 % per 1,000 h)
- 5-year guarantee



Interfaces

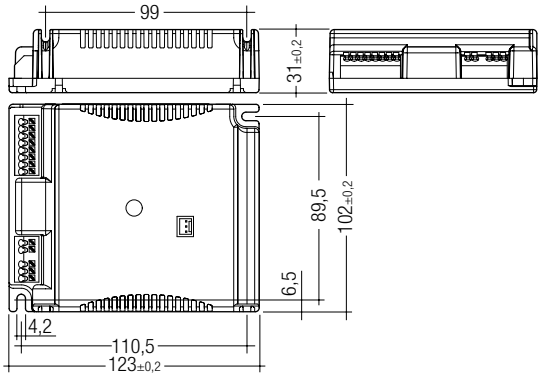
- DSI
- switchDIM (with memory function)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART interface for function with SMART Sensor 5D 19f and corridorFUNCTION plugs



Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- corridorFUNCTION with ambient light control
- Automatically triggered emergency lighting value in DC mode, 15 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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



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Standards – Product / function matrix, page 280

Lamp matrix, page 286

Wiring diagrams and installation examples, page 326

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.2 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range	10 – 100 %
Lamp start possible from	10 %
Operating frequency	~ 40 – 130 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 1 lamp				
PCA 1x11/13 TC BASIC xtec II	**22185118**	10 pc(s).	500 pc(s).	0.145 kg
PCA 1x18 TC BASIC xtec II	**22185114**	10 pc(s).	500 pc(s).	0.146 kg
PCA 1x18/24 TCL BASIC c xtec II	**22185253**	10 pc(s).	500 pc(s).	0.147 kg
PCA 1x26-57 TC BASIC xtec II	**22185112**	10 pc(s).	500 pc(s).	0.162 kg
PCA 1x28 TC-DD BASIC xtec II	**22185256**	10 pc(s).	500 pc(s).	0.146 kg
PCA 1x55 T5c BASIC xtec II	**22185116**	10 pc(s).	500 pc(s).	0.162 kg
For luminaires with 2 lamps				
PCA 2x11/13 TC BASIC xtec II	**22185119**	10 pc(s).	500 pc(s).	0.200 kg
PCA 2x18 TC BASIC xtec II	**22185115**	10 pc(s).	500 pc(s).	0.200 kg
PCA 2x18/24 TCL BASIC c xtec II	**22185259**	10 pc(s).	500 pc(s).	0.202 kg
PCA 2x26/32/42 TC BASIC xtec II	**22185113**	10 pc(s).	500 pc(s).	0.205 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 1 lamp											
1 x 13 W	TC-DEL	**PCA 1x11/13 TC BASIC xtec II**	22185118	123 x 79 x 31 mm	12.5 W	13.5 W	A1 BAT	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 11 W	TC-SEL	**PCA 1x11/13 TC BASIC xtec II**	22185118	123 x 79 x 31 mm	11.0 W	12.5 W	A1	0.06 A	0.96	75 °C	-25 ... +70 °C
1 x 13 W	TC-TEL	**PCA 1x11/13 TC BASIC xtec II**	22185118	123 x 79 x 31 mm	12.5 W	14.0 W	A1 BAT	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 11 W	TC-TEL HE	**PCA 1x11/13 TC BASIC xtec II**	22185118	123 x 79 x 31 mm	11.5 W	13.0 W	A1	0.07 A	0.96	75 °C	-25 ... +70 °C
1 x 14 W	TC-TEL HE	**PCA 1x11/13 TC BASIC xtec II**	22185118	123 x 79 x 31 mm	14.5 W	16.0 W	A1 BAT	0.08 A	0.97	75 °C	-25 ... +70 °C
1 x 17 W	TC-TEL HE	**PCA 1x11/13 TC BASIC xtec II**	22185118	123 x 79 x 31 mm	17.5 W	19.0 W	A1 BAT	0.09 A	0.98	75 °C	-25 ... +70 °C
1 x 18 W	TC-DEL	**PCA 1x18 TC BASIC xtec II**	22185114	123 x 79 x 31 mm	16.5 W	19.0 W	A1 BAT	0.09 A	0.95	80 °C	-25 ... +70 °C
1 x 18 W	TC-TEL	**PCA 1x18 TC BASIC xtec II**	22185114	123 x 79 x 31 mm	16.5 W	18.5 W	A1 BAT	0.09 A	0.95	80 °C	-25 ... +70 °C
1 x 22 W	T5c	**PCA 1x18/24 TCL BASIC c xtec II**	22185253	123 x 79 x 31 mm	22.0 W	25.0 W	A1 BAT	0.11 A	0.98	75 °C	-25 ... +65 °C
1 x 18 W	TC-F	**PCA 1x18/24 TCL BASIC c xtec II**	22185253	123 x 79 x 31 mm	15.0 W	18.5 W	A1 BAT	0.08 A	0.96	75 °C	-25 ... +65 °C
1 x 24 W	TC-F	**PCA 1x18/24 TCL BASIC c xtec II**	22185253	123 x 79 x 31 mm	20.0 W	24.5 W	A1 BAT	0.11 A	0.98	75 °C	-25 ... +65 °C
1 x 24 W	TC-L	**PCA 1x18/24 TCL BASIC c xtec II**	22185253	123 x 79 x 31 mm	16.0 W	24.5 W	A1 BAT	0.12 A	0.98	75 °C	-25 ... +65 °C
1 x 18 W	TC-L	**PCA 1x18/24 TCL BASIC c xtec II**	22185253	123 x 79 x 31 mm	16.0 W	18.5 W	A1 BAT	0.08 A	0.96	75 °C	-25 ... +65 °C
1 x 40 W	T5c	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	40.0 W	43.0 W	A1 BAT	0.16 A	0.97	75 °C	-25 ... +65 °C
1 x 26 W	TC-DEL	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	24.0 W	26.5 W	A1 BAT	0.13 A	0.95	75 °C	-25 ... +65 °C
1 x 40 W	TC-L	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	40.0 W	43.0 W	A1 BAT	0.18 A	0.97	75 °C	-25 ... +65 °C
1 x 26 W	TC-TEL	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	24.0 W	27.0 W	A1 BAT	0.13 A	0.95	75 °C	-25 ... +65 °C
1 x 32 W	TC-TEL	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	32.0 W	35.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +65 °C
1 x 42 W	TC-TEL	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	42.0 W	44.0 W	A1 BAT	0.20 A	0.98	75 °C	-25 ... +65 °C
1 x 57 W	TC-TEL	**PCA 1x26-57 TC BASIC xtec II**	22185112	123 x 79 x 31 mm	57.0 W	61.0 W	A1 BAT	0.24 A	0.98	75 °C	-25 ... +65 °C
1 x 28 W	TC-DD	**PCA 1x28 TC-DD BASIC xtec II**	22185256	123 x 79 x 31 mm	26.5 W	27.5 W	A1 BAT	0.13 A	0.98	75 °C	-25 ... +65 °C
1 x 55 W	T5c	**PCA 1x55 T5c BASIC xtec II**	22185116	123 x 79 x 31 mm	55.0 W	59.0 W	A1 BAT	0.26 A	0.98	70 °C	-25 ... +55 °C
For luminaires with 2 lamps											
2 x 13 W	TC-DEL	**PCA 2x11/13 TC BASIC xtec II**	22185119	123 x 102 x 31 mm	25.0 W	27.0 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 11 W	TC-SEL	**PCA 2x11/13 TC BASIC xtec II**	22185119	123 x 102 x 31 mm	22.0 W	24.5 W	A1 BAT	0.11 A	0.96	70 °C	-25 ... +60 °C
2 x 13 W	TC-TEL	**PCA 2x11/13 TC BASIC xtec II**	22185119	123 x 102 x 31 mm	25.0 W	27.5 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 11 W	TC-TEL HE	**PCA 2x11/13 TC BASIC xtec II**	22185119	123 x 102 x 31 mm	23.5 W	26.0 W	A1 BAT	0.12 A	0.96	70 °C	-25 ... +60 °C
2 x 14 W	TC-TEL HE	**PCA 2x11/13 TC BASIC xtec II**	22185119	123 x 102 x 31 mm	29.0 W	31.0 W	A1 BAT	0.15 A	0.97	70 °C	-25 ... +60 °C
2 x 17 W	TC-TEL HE	**PCA 2x11/13 TC BASIC xtec II**	22185119	123 x 102 x 31 mm	35.0 W	37.5 W	A1 BAT	0.17 A	0.98	70 °C	-25 ... +60 °C
2 x 18 W	TC-DEL	**PCA 2x18 TC BASIC xtec II**	22185115	123 x 102 x 31 mm	33.0 W	36.0 W	A1 BAT	0.17 A	0.97	75 °C	-25 ... +70 °C
2 x 18 W	TC-TEL	**PCA 2x18 TC BASIC xtec II**	22185115	123 x 102 x 31 mm	33.0 W	36.0 W	A1 BAT	0.17 A	0.97	75 °C	-25 ... +70 °C
2 x 18 W	TC-F	**PCA 2x18/24 TCL BASIC c xtec II**	22185259	123 x 102 x 31 mm	15.0 W	37.0 W	A1 BAT	0.15 A	0.96	75 °C	-25 ... +60 °C
2 x 24 W	TC-F	**PCA 2x18/24 TCL BASIC c xtec II**	22185259	123 x 102 x 31 mm	20.0 W	48.0 W	A1 BAT	0.21 A	0.98	75 °C	-25 ... +60 °C
2 x 18 W	TC-L	**PCA 2x18/24 TCL BASIC c xtec II**	22185259	123 x 102 x 31 mm	16.0 W	37.0 W	A1 BAT	0.16 A	0.97	75 °C	-25 ... +60 °C
2 x 24 W	TC-L	**PCA 2x18/24 TCL BASIC c xtec II**	22185259	123 x 102 x 31 mm	22.0 W	48.0 W	A1 BAT	0.22 A	0.98	75 °C	-25 ... +60 °C
2 x 26 W	TC-DEL	**PCA 2x26/32/42 TC BASIC xtec II**	22185113	123 x 102 x 31 mm	48.0 W	52.0 W	A1 BAT	0.24 A	0.96	75 °C	-25 ... +60 °C
2 x 26 W	TC-TEL	**PCA 2x26/32/42 TC BASIC xtec II**	22185113	123 x 102 x 31 mm	48.0 W	52.0 W	A1 BAT	0.24 A	0.96	75 °C	-25 ... +60 °C
2 x 32 W	TC-TEL	**PCA 2x26/32/42 TC BASIC xtec II**	22185113	123 x 102 x 31 mm	64.0 W	68.0 W	A1 BAT	0.29 A	0.97	75 °C	-25 ... +60 °C
2 x 42 W	TC-TEL	**PCA 2x26/32/42 TC BASIC xtec II**	22185113	123 x 102 x 31 mm	84.0 W	88.5 W	A1 BAT	0.39 A	0.98	75 °C	-25 ... +60 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T5

PCA T5 EXCITE lp x!tec, 3x14/24 W and 4x14/24 W

EXCITE T5

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life of 50,000 h (at ta max. with a failure rate ≤ 0.2 % per 1,000 h)
- Multilamp management
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee

Interfaces

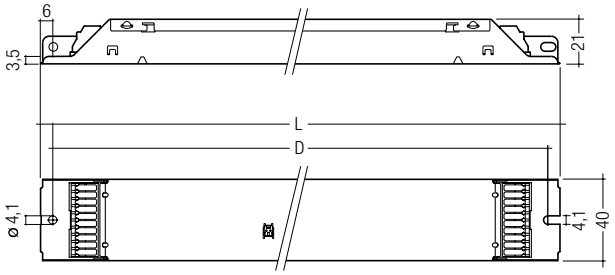
- DALI
- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 50 ms and 90 s (min. – max.)
- Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range, 3 lamps	5 – 100 %
Dimming range, 4 lamps	1 – 100 %
Lamp start possible from	5 % (3 lamps), 1 % (4 lamps)
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 3 lamps				
PCA 3x14/24 T5 EXCITE lp	**28000307**	20 pc(s).	600 pc(s).	0.298 kg
For luminaires with 4 lamps				
PCA 4x14/24 T5 EXCITE lp	**28000308**	20 pc(s).	600 pc(s).	0.340 kg

→

Standards – Product / function matrix, page 280

Lamp matrix, page 288

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	**Type**	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 3 lamps												
3 x 14 W	T5	**PCA 3x14/24 T5 EXCITE lp**	28000307	360 x 40 x 21 mm	350 mm	42 W	46.5 W	A1 BAT	0.21 A	0.97	75 °C	-25 ... +60 °C
3 x 24 W	T5	**PCA 3x14/24 T5 EXCITE lp**	28000307	360 x 40 x 21 mm	350 mm	72 W	73.0 W	A1 BAT	0.32 A	0.97	75 °C	-25 ... +55 °C
For luminaires with 4 lamps												
4 x 14 W	T5	**PCA 4x14/24 T5 EXCITE lp**	28000308	360 x 40 x 21 mm	350 mm	56 W	60.5 W	A1 BAT	0.27 A	0.97	75 °C	-25 ... +60 °C
4 x 24 W	T5	**PCA 4x14/24 T5 EXCITE lp**	28000308	360 x 40 x 21 mm	350 mm	96 W	97.5 W	A1 BAT	0.43 A	0.97	75 °C	-25 ... +50 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

T8

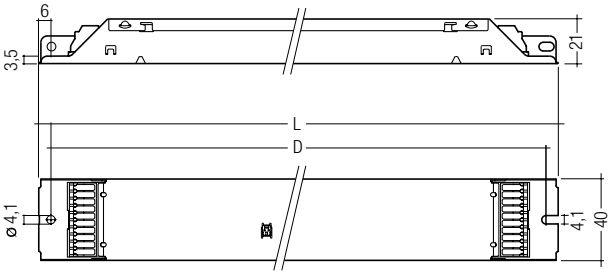
PCA T8 EXCITE lp x!tec, 3x18 W and 4x18 W

EXCITE T8

Product description

- Processor-controlled ballast with x!tec inside
- Highest possible energy class CELMA EEI = A1 BAT ①
- Noise-free precise control via DALI or DSI signal, switchDIM or corridorFUNCTION
- Nominal life of 50,000 h (at ta max. with a failure rate ≤ 0.2 % per 1,000 h)
- OEM-specific reserved memory areas
- Extended DALI commands
- 5-year guarantee





Interfaces

- DALI, DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION

Functions

- Intelligent Temperature Guard (overtemperature protection)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating concept)
- Fade rates between 50 ms and 90 s (min. – max.)
- Automatically triggered emergency lighting value in DC mode, can be set between 1 and 100 %
- For emergency lighting systems as per EN 50172
- Automatic start after replacement of defective lamps
- Automatic shutdown if the lamp is faulty

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start ≥ 198 V DC)
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Typ. power input on stand-by	< 0.5 W
Protective hot restart	0.5 s for AC / 0.2 s for DC
Dimming range, 3 lamps	5 – 100 %
Dimming range, 4 lamps	1 – 100 %
Lamp start possible from	5 % (3 lamps), 1 % (4 lamps)
Operating frequency	~ 40 – 100 kHz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
For luminaires with 3 lamps				
PCA 3x18 T8 EXCITE lp	**28000309**	20 pc(s).	600 pc(s).	0.303 kg
For luminaires with 4 lamps				
PCA 4x18 T8 EXCITE lp	**28000310**	20 pc(s).	600 pc(s).	0.340 kg

→

Standards – Product / function matrix, page 280

Lamp matrix, page 288

Wiring diagrams and installation examples, page 326

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power ②	Circuit power ②	EEI	Current at 230 V, 50 Hz ②	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta ③
For luminaires with 3 lamps												
3 x 18 W	T8	**PCA 3x18 T8 EXCITE lp**	28000309	360 x 40 x 21 mm	350 mm	48.5 W	51 W	A1 BAT	0.23 A	0.97	75 °C	-25 ... +60 °C
For luminaires with 4 lamps												
4 x 18 W	T8	**PCA 4x18 T8 EXCITE lp**	28000310	360 x 40 x 21 mm	350 mm	65.0 W	69 W	A1 BAT	0.31 A	0.98	80 °C	-25 ... +60 °C

① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.
② Valid at 100 % dimming level.
③ +10 °C to ta max: unrestricted dimming. -25 to +10 °C: unrestricted dimming from 100 to 30 %.
-25 to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

RoHS

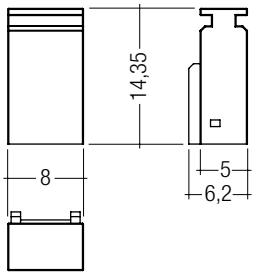
SMART Plug cF
Accessories

Product description

- Accessories for ballasts PCA EXCEL one4all, PCA ECO and PCA BASIC of the xtec II generation
- Enables simple profile setting for the corridorFUNCTION
- Quick and simple installation possible (check installation instructions)
- No additional software required

→ 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	-25 ... +70 °C
Storage temperature ts	-25 ... +85 °C
Type of protection	IP20
Max. casing temperature tc	85 °C

Ordering data

Type ①	Article number	Packaging, bag	Packaging, carton
SMART Plug cF n.o.	**86459316**	10 pc(s).	100 pc(s).
SMART Plug cF 01	**86459314**	10 pc(s).	100 pc(s).
SMART Plug cF 30	**86459315**	10 pc(s).	100 pc(s).

Specific technical data

Type ①	Labelling	corridorFUNCTION profile
SMART Plug cF n.o.	cF n.o.	never off
SMART Plug cF 01	cF01	switch off 1 minute
SMART Plug cF 30	cF30	switch off 30 minutes

① For devices with xtec II processors only.

RoHS

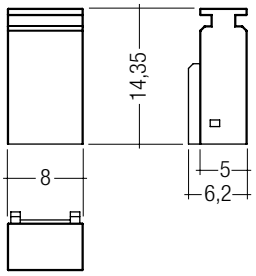
SMART Plug Gr
Accessories

Product description

- Accessories for ballasts PCA EXCEL one4all of the x:tec II generation
- Enables simple DALI group addressing
- Quick and simple installation possible (check installation instructions)
- No additional software required

→ 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	-25 ... +70 °C
Storage temperature ts	-25 ... +85 °C
Type of protection	IP20
Max. casing temperature tc	85 °C

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Plug Gr A	**86459317**	10 pc(s).	100 pc(s).
SMART Plug Gr B	**86459318**	10 pc(s).	100 pc(s).
SMART Plug Gr C	**86459319**	10 pc(s).	100 pc(s).
SMART Plug Gr D	**86459320**	10 pc(s).	100 pc(s).

Specific technical data

Type	Labelling	DALI group
SMART Plug Gr A	Gr A	1
SMART Plug Gr B	Gr B	2
SMART Plug Gr C	Gr C	3
SMART Plug Gr D	Gr D	4

RoHS

SMART Plug Ma
Accessories

Product description

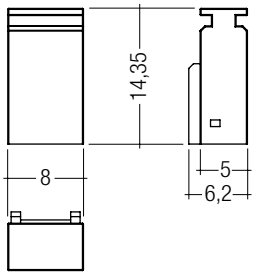
- Accessories for ballasts PCA EXCEL one4all of the xᵗtec II generation
- Enables simple replacement in illumination systems
- Quick and simple installation possible (check installation instructions)
- No additional software required

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



Technical data

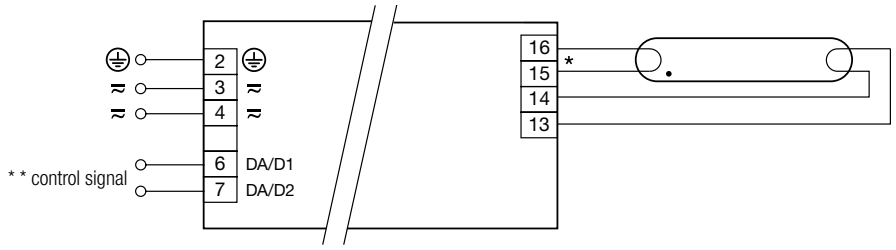
Supply via	SMART interface
Current draw	< 1 mA from SMART interface
Operating temperature	-25 ... +70 °C
Storage temperature ts	-25 ... +85 °C
Type of protection	IP20
Max. casing temperature tc	85 °C



Ordering data

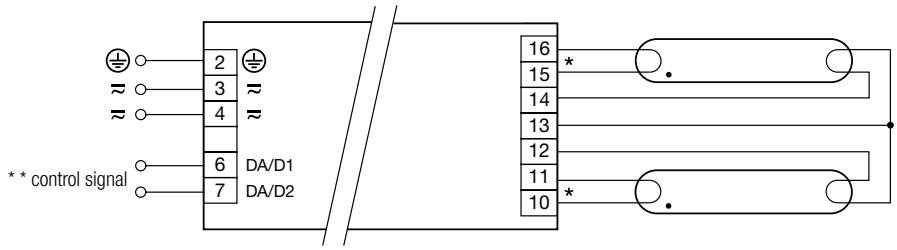
Type	Article number	Packaging, bag	Packaging, carton
SMART Plug Ma	**86459321**	10 pc(s).	100 pc(s).

PCA T5/T8 EXCEL one4all lp x!tec II 1x14–80 W



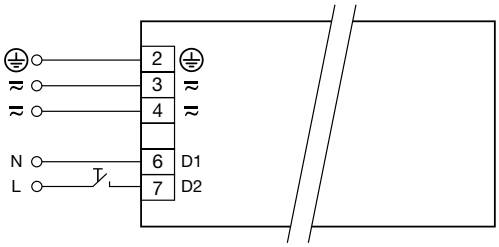
* leads 15, 16: keep wires short, max. 1.0 m
leads 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal (DSI), DALI or switchDIM

PCA T5/T8 EXCEL one4all lp x!tec II 2x14–80 W

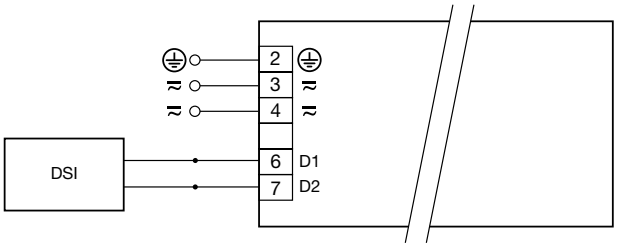


* leads 10, 11, 15, 16: keep wires short, max. 1.0 m
leads 12, 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal (DSI), DALI or switchDIM

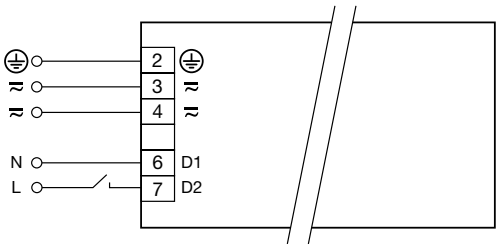
switchDIM PCA T5/T8 EXCEL one4all lp x!tec II



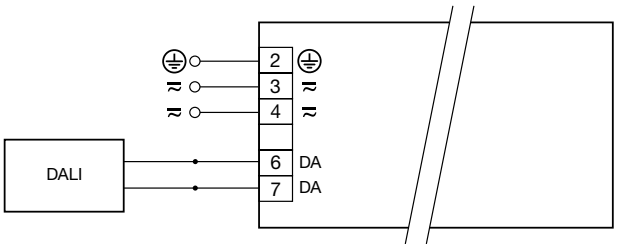
DSI PCA T5/T8 EXCEL one4all lp x!tec II



corridorFUNCTION PCA T5/T8 EXCEL one4all lp x!tec II

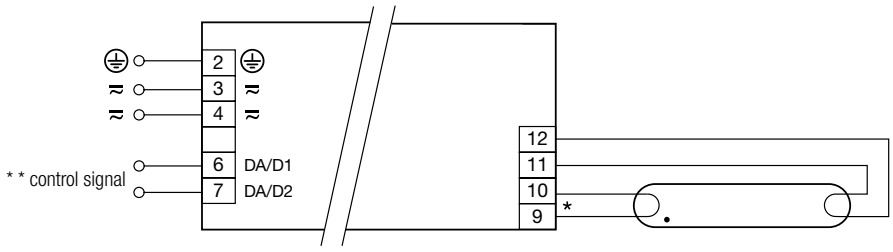


DALI PCA T5/T8 EXCEL one4all lp x!tec II



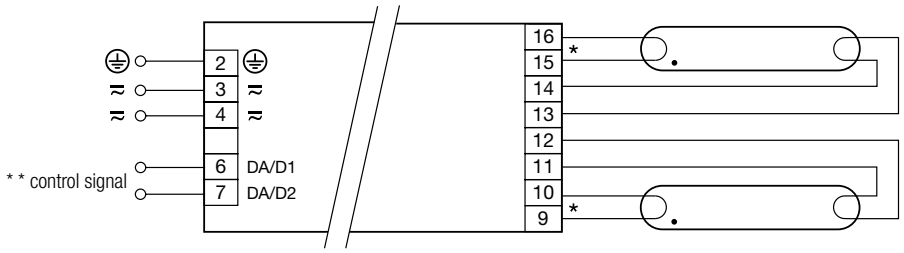
Please note: dimmable ballasts from Tridonic must be earthed.

PCA T8 EXCEL one4all lp x:tec 1x36–58 W



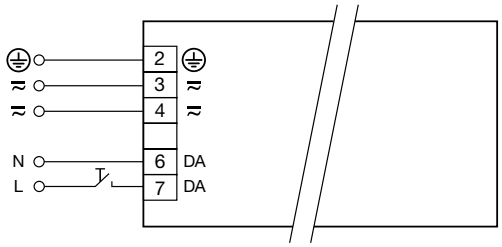
* leads 9, 10: keep wires short, max. 1.0 m
leads 11, 12: max. 2.0 m; ballast must be earthed
* * digital signal (DSI), DALI or switchDIM

PCA T8 EXCEL one4all lp x:tec 2x36–58 W

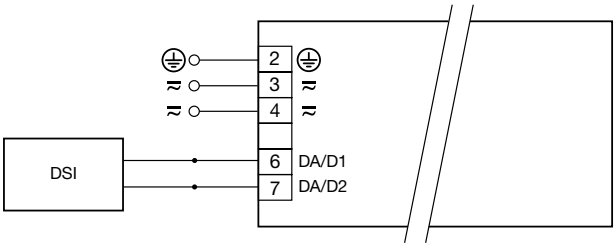


* leads 9, 10, 15, 16: keep wires short, max. 1.0 m
leads 11, 12, 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal (DSI), DALI or switchDIM

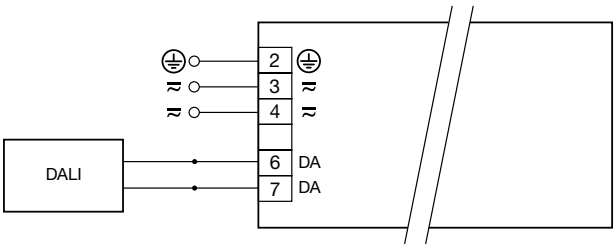
switchDIM PCA T8 EXCEL one4all lp x:tec



DSI PCA T8 EXCEL one4all lp x:tec

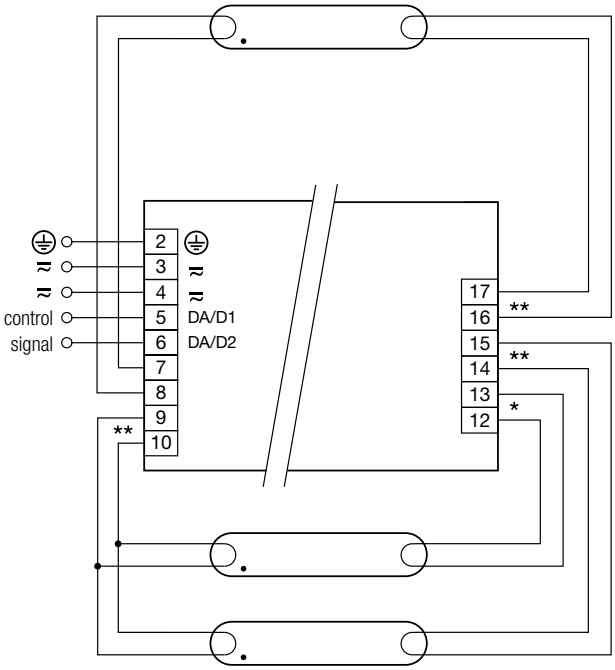


DALI PCA T8 EXCEL one4all lp x:tec



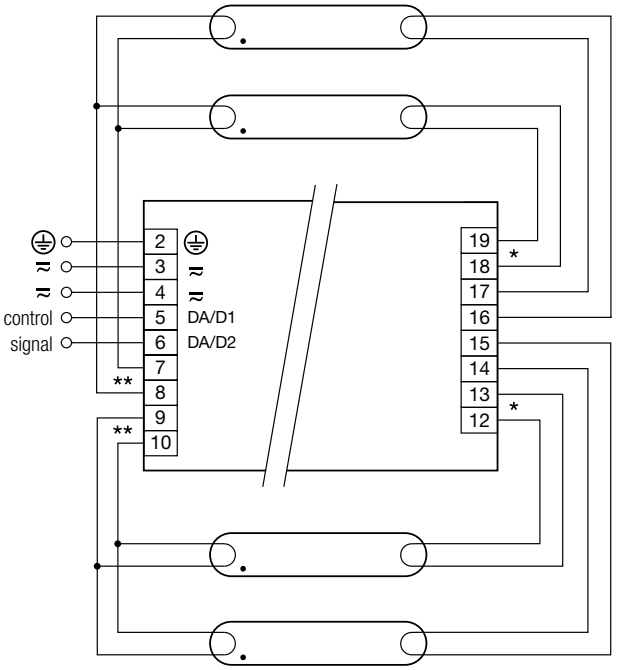
Please note: dimmable ballasts from Tridonic must be earthed.

PCA 3x14, 3x18 EXCEL lp xıtec



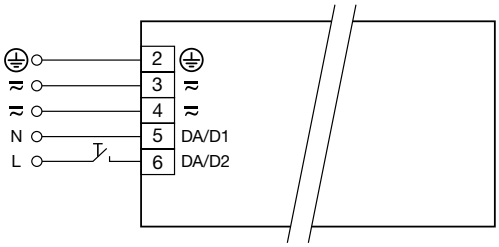
* leads 12, 13: keep wires short, max. 1.0 m
** leads 9, 10, 14, 15, 16, 17: keep wires short, max. 0.5 m
leads 7, 8: max. 2.0 m

PCA 4x14, 4x18 EXCEL lp xıtec



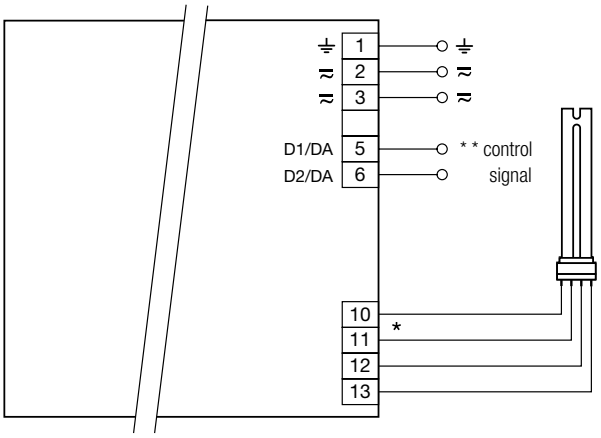
* leads 12, 13, 18, 19: keep wires short, max. 1.0 m
** leads 7, 8, 9, 10: keep wires short, max. 0.5 m
leads 14, 15, 16, 17: max. 2.0 m

switchDIM PCA EXCEL one4all 3x14, 3x18, 4x14, 4x18



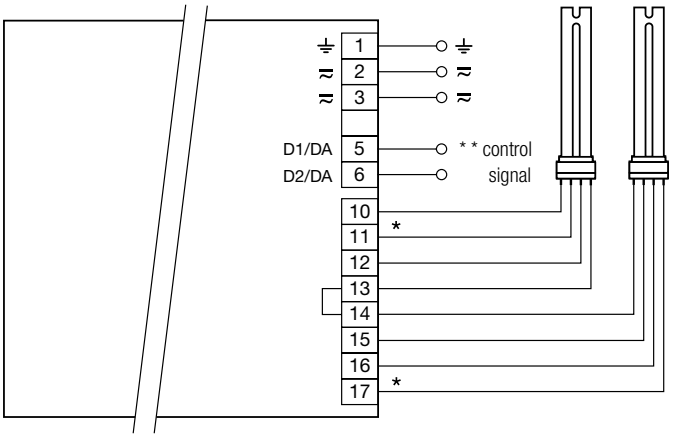
Please note: dimmable ballasts from Tridonic must be earthed.

PCA TC EXCEL one4all xıtec II 1x18–57 W



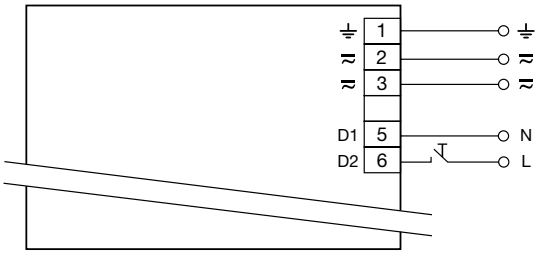
* leads 10, 11: keep wires short, max. 1.0 m
leads 12, 13: max. 2.0 m; ballast must be earthed
** digital signal DALI, DSI or switchDIM

PCA TC EXCEL one4all xıtec II 2x18–42 W

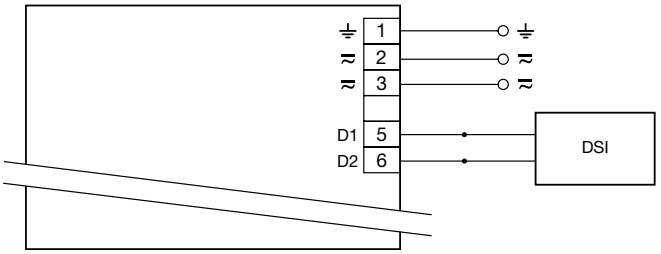


* leads 10, 11, 16, 17: keep wires short, max. 1.0 m
leads 12, 13, 14, 15: max. 2.0 m; ballast must be earthed
** digital signal DALI, DSI or switchDIM

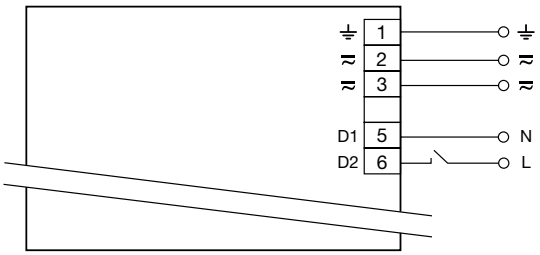
switchDIM PCA TC EXCEL one4all lp xıtec II



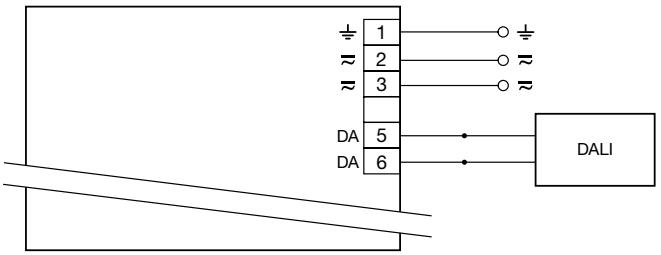
DSI PCA TC EXCEL one4all lp xıtec II



corridorFUNCTION PCA TC EXCEL one4all lp xıtec IIa

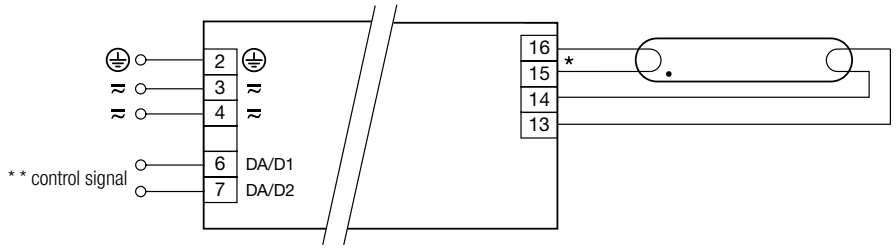


DALI PCA TC EXCEL one4all lp xıtec II



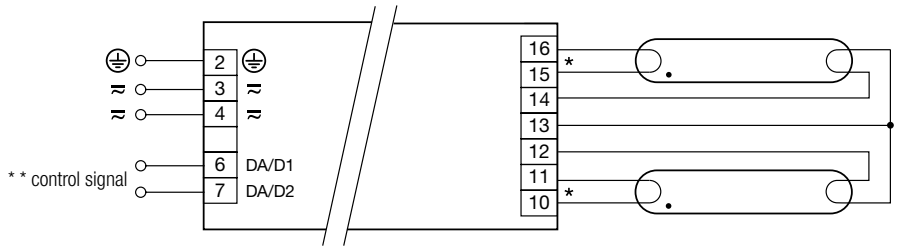
Please note: dimmable ballasts from Tridonic must be earthed.

PCA T5/T8 ECO lp x!tec II 1x14–80 W



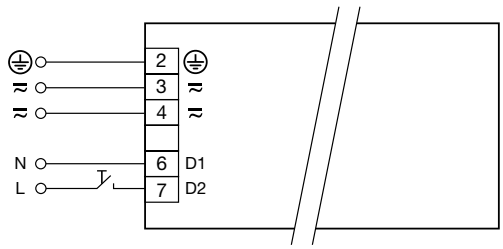
* leads 15, 16: keep wires short, max. 1.0 m
leads 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal (DSI), DALI or switchDIM

PCA T5/T8 ECO lp x!tec II 2x14–80 W

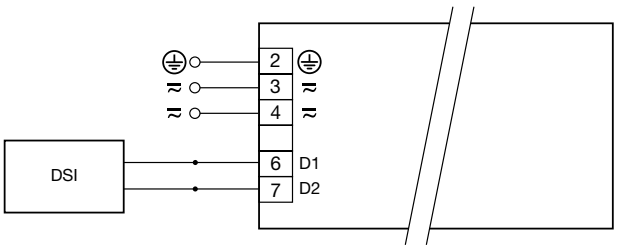


* leads 10, 11, 15, 16: keep wires short, max. 1.0 m
leads 12, 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal (DSI), DALI or switchDIM

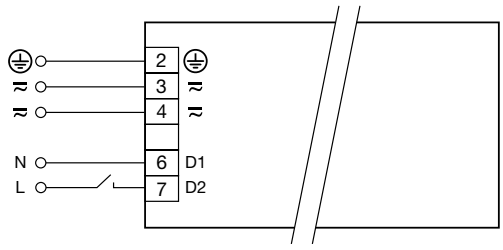
switchDIM PCA T5/T8 ECO x!tec II



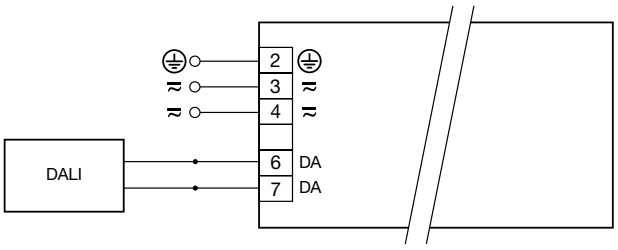
DSI PCA PCA T5/T8 ECO x!tec II



corridorFUNCTION PCA T5/T8 ECO x!tec II

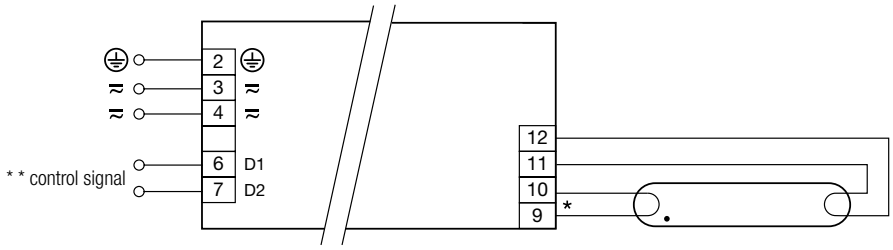


DALI PCA T5/T8 ECO x!tec II



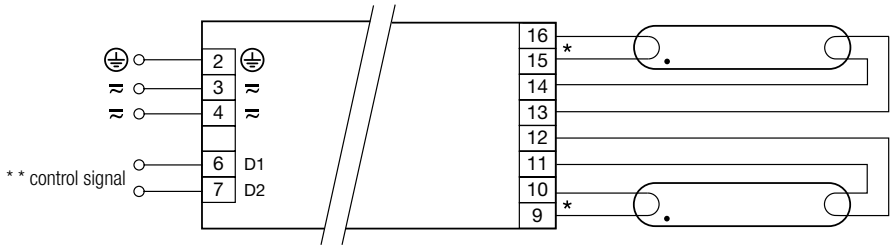
Please note: dimmable ballasts from Tridonic must be earthed.

PCA T8 ECO lp x!tec 1x36–58 W



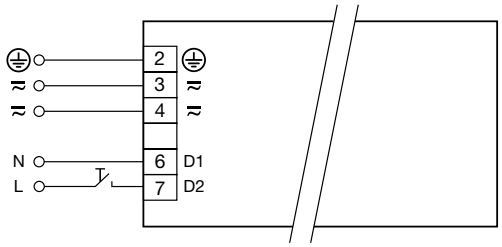
* leads 9, 10: keep wires short, max. 1.0 m
leads 11, 12: max. 2.0 m; ballast must be earthed
* * digital signal DSI or switchDIM

PCA T8 ECO lp x!tec 2x36–58 W

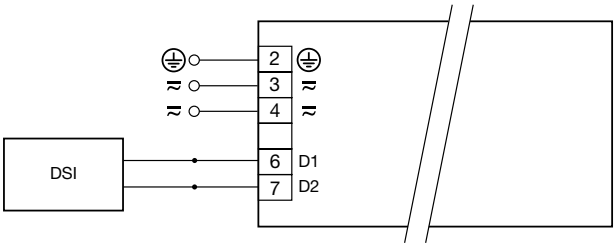


* leads 9, 10, 15, 16: keep wires short, max. 1.0 m
leads 11, 12, 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal DSI or switchDIM

switchDIM PCA T8 ECO lp x!tec

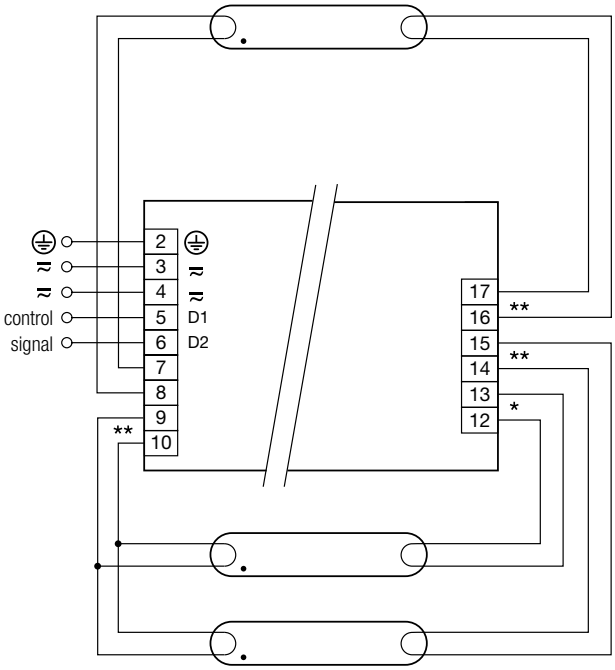


DSI PCA T8 ECO lp x!tec



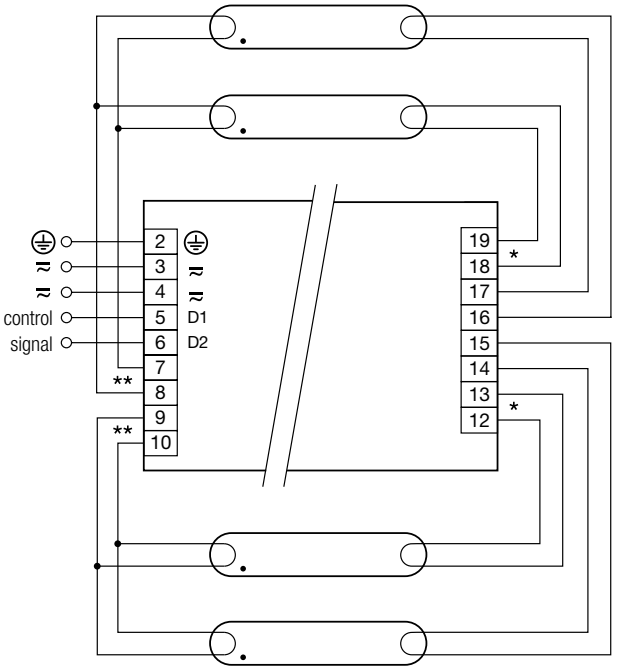
Please note: dimmable ballasts from Tridonic must be earthed.

PCA 3x14, 3x18 ECO lp xıtec



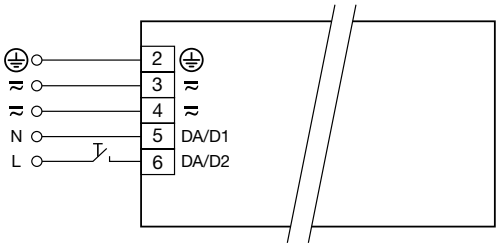
* leads 12, 13: keep wires short, max. 1.0 m
** leads 9, 10, 14, 15, 16, 17: keep wires short, max. 0.5 m
leads 7, 8: max. 2.0 m

PCA 4x14, 4x18 ECO lp xıtec



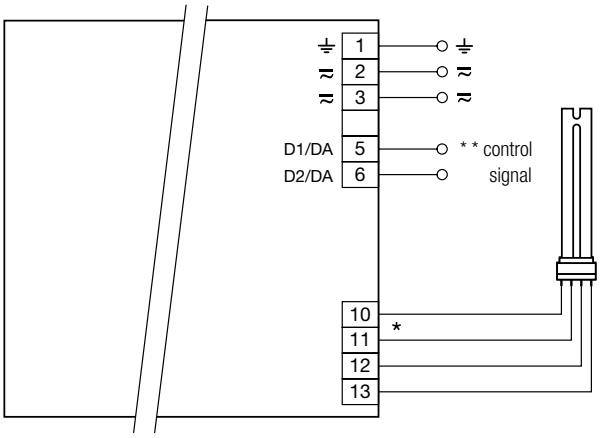
* leads 12, 13, 18, 19: keep wires short, max. 1.0 m
** leads 7, 8, 9, 10: keep wires short, max. 0.5 m
leads 14, 15, 16, 17: max. 2.0 m

switchDIM PCA ECO 3x14, 3x18, 4x14, 4x18



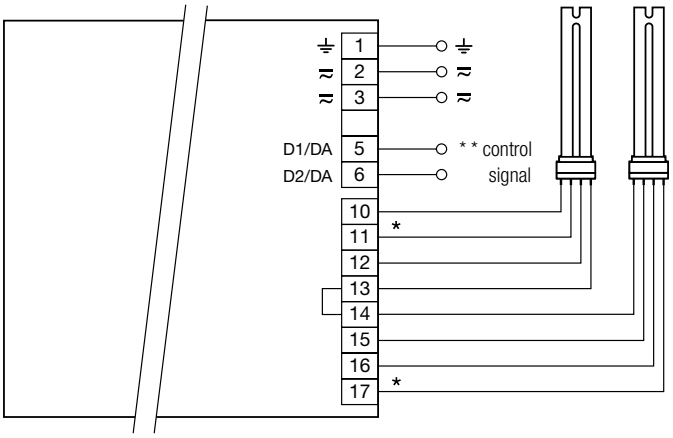
Please note: dimmable ballasts from Tridonic must be earthed.

PCA TC ECO xıtec II 1x18–57 W



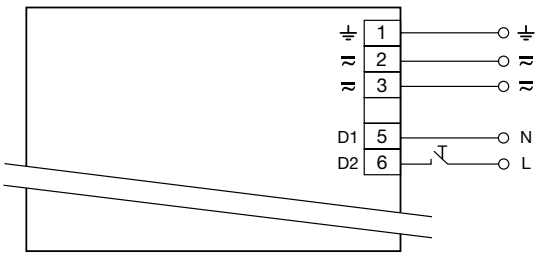
* leads 10, 11: keep wires short, max. 1.0 m
leads 12, 13: max. 2.0 m; ballast must be earthed
** digital signal DALI, DSI or switchDIM

PCA TC ECO xıtec II 2x18–42 W

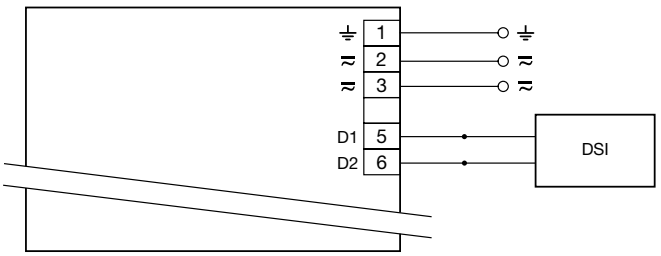


* leads 10, 11, 16, 17: keep wires short, max. 1.0 m
leads 12, 13, 14, 15: max. 2.0 m; EVG erden
** digital signal DALI, DSI or switchDIM

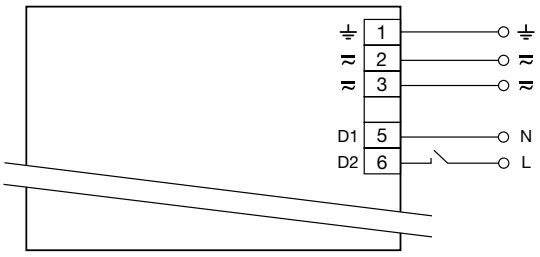
switchDIM PCA TC EXCEL one4all lp xıtec II



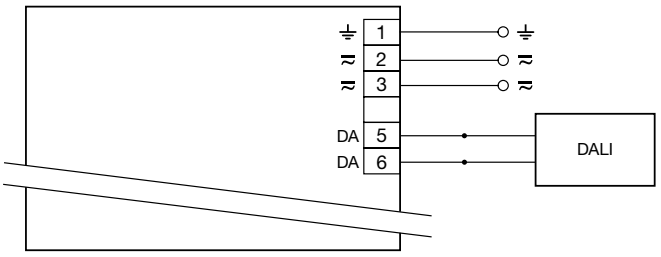
DSI PCA TC EXCEL one4all lp xıtec II



corridorFUNCTION PCA TC EXCEL one4all lp xıtec IIa

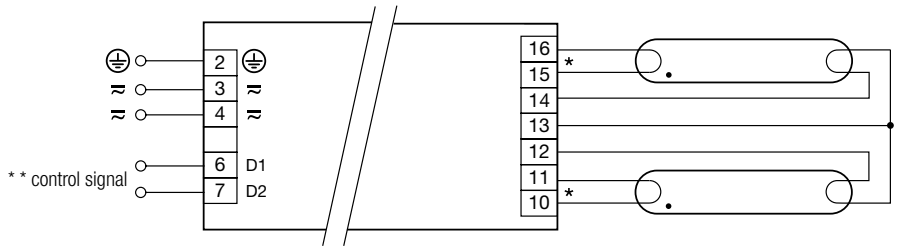


DALI PCA TC EXCEL one4all lp xıtec II



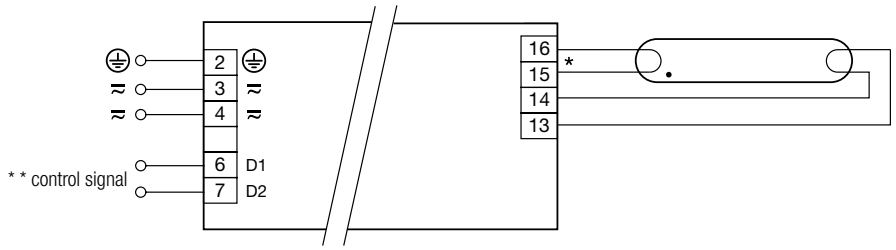
Please note: dimmable ballasts from Tridonic must be earthed.

PCA T5/T8 BASIC lp xıtec II 1x14–80 W



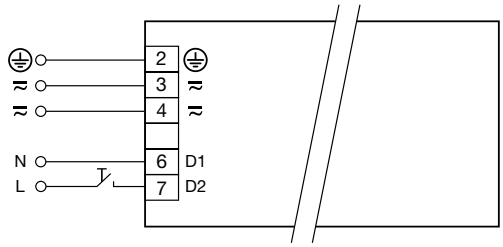
* leads 10, 11, 15, 16: keep wires short, max. 1.0 m
leads 12, 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal DSI or switchDIM

PCA T5/T8 BASIC lp xıtec II 2x14–80 W

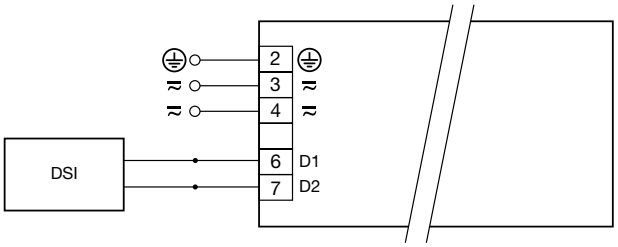


* leads 15, 16: keep wires short, max. 1.0 m
leads 13, 14: max. 2.0 m; ballast must be earthed
* * digital signal DSI-Signal or switchDIM

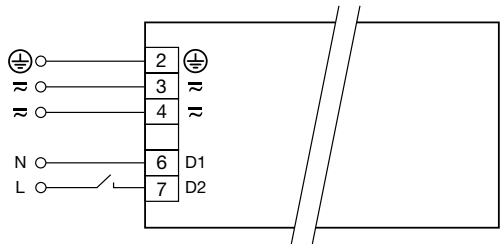
switchDIM PCA T5/T8 BASIC lp xıtec II



DSI PCA PCA T5/T8 BASIC lp xıtec II

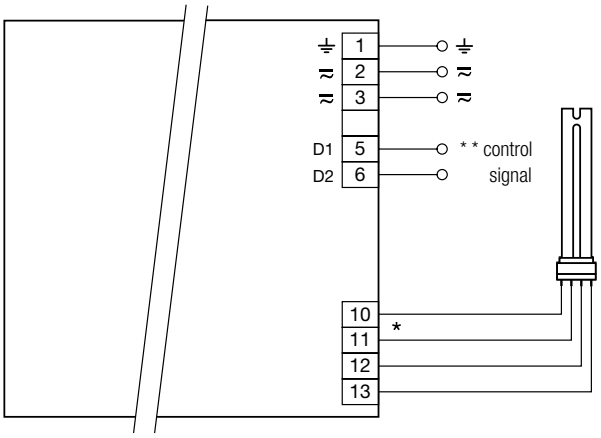


corridorFUNCTION PCA T5/T8 BASIC lp xıtec II



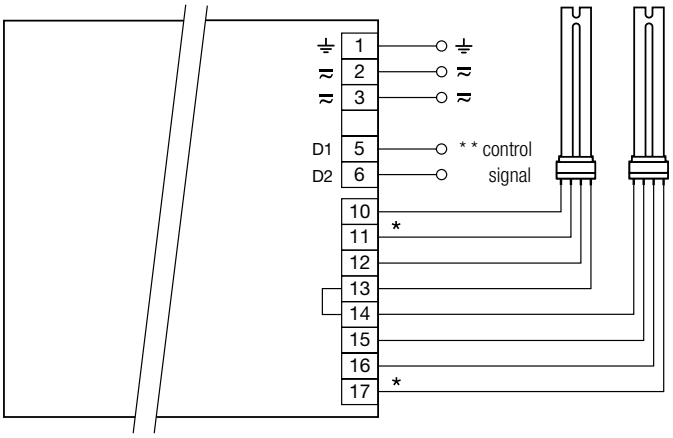
Please note: dimmable ballasts from Tridonic must be earthed.

PCA TC BASIC x!tec II 1x18–57 W



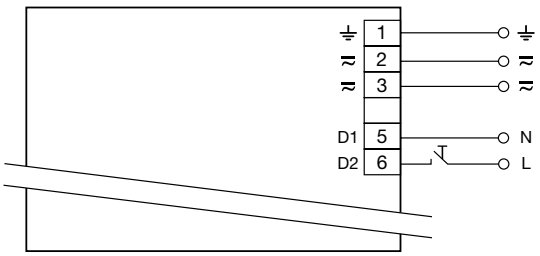
* leads 10, 11: keep wires short, max. 1.0 m
leads 12, 13: max. 2.0 m; ballast must be earthed
** digital signal DSI or switchDIM

PCA TC BASIC x!tec II 2x26–42 W

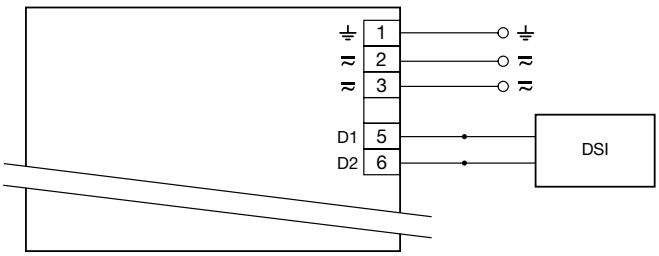


* leads 10, 11, 16, 17: keep wires short, max. 1.0 m
leads 12, 13, 14, 15: max. 2.0 m; ballast must be earthed
** digital signal DSI or switchDIM

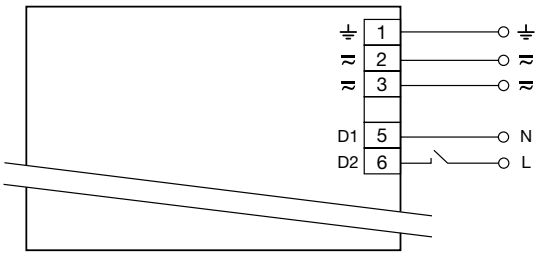
switchDIM PCA TC BASIC x!tec II



DSI PCA TC BASIC x!tec II



corridorFUNCTION PCA TC BASIC x!tec II



Please note: dimmable ballasts from Tridonic must be earthed.

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Lamp matrix – High-pressure sodium lamps Page 345

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HID control gear Page 347

Indoor HI
PCI PRO, built-in applications
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PCI B011 Single Page 352
PCI B011 Twin Page 353
PCI FOX B011 Page 354
PCI PRO, remote applications
PCI PRO C021 Single Page 356
PCI PRO C521 Single ST Page 357
PCI TOP, built-in and remote applications
PCI TOP C011 Page 358
PCI TOP C011PKL Page 359
PCI TOP C021 Page 360
PCI TEC, built-in applications
PCI TEC C011 Page 361

Outdoor HI / HS
Built-in applications
PCIS, PCI, PCS outdoor FOX B011 Page 362
PCIS, PCI, PCS outdoor DIM B011 Page 363

Wiring diagrams and installation examples Page 364

Product overview



PCI PRO
Built-in and remote applications
Light sources and wattages: HI, 20 – 150 W



Built-in: Unbeatably flexible, durable and convenient
- Outstanding thermal behaviour
- Multi-lamp management: two wattages on one device
- Successful compact design
- The widest portfolio of wattages and versions

Remote: Maximum ease of installation and very long life time
- Simple mains through-wiring
- No tools required for installing the cable clamps and terminal cover
- Up to 5 m lamp cable length
- Versions with ready-made ST or GST lamp cables



PCI TOP
Built-in and remote applications
Light sources and wattages: HI, 35 – 70 W

Optimised to get essential tasks done
- Long life
- Wide operating temperature range
- Reliable lamp operation
- Excellent quality of light



PCI TEC
Built-in applications
Light sources and wattages: HI, 35 + 70 W

Efficient electronics made simple
- Operation of ceramic and quartz metal halide lamps
- Flicker-free light
- Constant lamp output
- Safe shutdown of faulty lamps



PCIS, PCI, PCS outdoor FOX + DIM
Light sources and wattages: HI + HS, 45 – 150 W

For outdoor applications: Robust, durable and energy-efficient
- Special filling compound protects against moisture, dust and vibration
- Greater protection against mains transients
- Energy savings by reducing the level of light during the quieter times of night
- Can be controlled via the mains control line (stepDIM) or via digital DALI/DSI signals

Product / function matrix

Portfolio		Indoor				
		PCI PRO			PCI TOP	PCI TEC [2]
		PCI C	PCI B	PCI FOX		
High efficiency	CELMA energy efficiency class	A2	A2	A2	A2	A2
High level of safety	Over-temperature protection, safety shutdown of faulty lamps and shortcircuit detection	yes	yes	yes	yes	yes
Optimum in lamp operation	Compatible lamp types	yes	yes	yes	yes	yes
	Wattages	20 – 150 W	35 W	20 – 150 W	35 – 70 W	35 + 70 W
	Dependable ignition and highly reduced re-start time	yes	yes	yes	yes	yes
	Flicker-free light	yes	yes	yes	yes	yes
	Colour stability thanks to constant, mains-independent lamp output	yes	yes	yes	yes	yes
High degree of flexibility	Suitable for mobile luminaires fitted with a plug	yes	yes	yes	yes	yes
	2 wattages can be operated with one device	yes				
	Terminal blocks colour-coded	yes	yes	yes	yes	yes
	No-tool strain relief for independent mounting	PCI PRO C021	PCI B021		PCI TOP C021	
	Optional mains-side through-wiring	PCI PRO C021	PCI B021			
	Lamp wire length	up to 5 m	up to 3 m	1.5 m	1.5 m	1.5 m
	Connecting wire cross section	up to 2.5 mm²	up to 2.5 mm²	up to 2.5 mm²	up to 2.5 mm²	1.5 mm²
	Optional DALI / DSI control			yes		
High quality	Typical service life	50,000 h	50,000 h	50,000 h	up to 40,000 h [1]	20,000 h
	Ambient temperature range	-25 up to +70 °C [1]	-20 up to +50 °C [1]	-25 up to +55 °C [1]	-20 up to +60 °C [1]	-10 up to +55 °C [1]
	Marks of conformity					
	Guarantee	5 years	5 years	5 years	5 years	3 years

[1] depending on the model
[2] only in Asia available

Lamp matrix – Metal halide lamps

Ballasts for high intensity discharge lamps Metal halide lamps (HI)						PCI PRO				PCI TOP	PCI TEC	Outdoor		
						PCI PRO C	PCI MINI	PCI B	PCI FOX			PCIS	PCI	PCS
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]									
20 W	GE	CMH 20W T	G12	0.23		●	●		●					
		CMH 20W MR16	GX10	0.23		●	●		●					
		CMH 20W SuperMini	GU6.5	0.23		●	●		●					
		CMH 20W TC	G8.5	0.23		●			●					
		CMH 20W PAR30	E27	0.23		●	●		●					
	Osram	HCI-TC 20W	G8.5	0.23		●	●		●					
		HCI-TF 20W	GU6.5	0.23		●	●		●					
		HCI-R111 20W	GX8.5	0.23		●	●		●					
	Sylvania	Britespot ES50 20W	GX10	0.23		●			●					
		CMI-TC 20W Superball	G8.5	0.20		●			●					
		CMI-T Mini 20W	GU6.5	0.21		●			●					
	Philips	CDM-T 20W	G12	0.22		●			●					
		CDM-T 20W EVOLUTION	G12	0.22		●	●							
		CDM-TC 20W	G8.5	0.22		●			●					
		CDM-R111 20W	GX8.5	0.22		●			●					
		CDM-R Mini 20W	GX10	0.20		●			●					
		CDM-TM 20W	GU6.5	0.22		●	●		●					
22 W	Philips	CDM-TM 20W	PGJ5	0.22		●								
35 W	BLV	HIT-35 W	G8.5	0.43		●		●	●	●	●			
	GE	CMH 35W MR16	GX10	0.50		●		●	●	●	●			
		CMH 35W PAR	E27	0.50		●		●	●	●	●			
		CMH 35W T	G12	0.50		●		●	●	●	●			
		CMH 35W SuperMini	GU6.5	0.45		●		●	●	●	●			
		CMH 35W TC	G8.5	0.50		●		●	●	●	●			
	Iwasaki	MT35CE-W	G12	0.46		●		●	●	●	●			
		CM35P20	E27	0.46		●		●	●	●	●			
	Osram	HCI-E/P 35W	E27	0.53		●		●	●	●	●			
		HCI-PAR... 35W	E27	0.53		●		●	●	●	●			
		HCI-R111 35W	GX8.5	0.53		●		●	●	●	●			
		HCI-T 35W	G12	0.53		●		●	●	●	●			
		HCI-TC 35W	G8.5	0.53		●		●	●	●	●			
		HCI-TF 35W	GU6.5	0.53		●		●	●	●	●			
	Philips	CDM-R 35W	E27	0.53		●		●	●	●	●			
		CDM-R111 35W	GX8.5	0.53		●		●	●	●	●			
		CDM-R Mini 35W	GX10	0.53		●		●	●	●	●			
		CDM-T 35W	G12	0.53		●		●	●	●	●			
		CDM-T 35W ELITE	G12	0.47		●		●	●	●	●			
		CDM-T 35W EVOLUTION	G12	0.47		●		●	●	●	●			
		CDM-TC 35W	G8.5	0.53		●		●	●	●	●			
		CDM-TC 35W ELITE	G8.5	0.47		●		●	●	●	●			
		CDM-TM 35W	GU6.5	0.44		●		●	●	●	●			
	Radium	RCC-T 35W	G12	0.53		●		●	●	●	●			

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

Lamp matrix – Metal halide lamps

Ballasts for high intensity discharge lamps **Metal halide lamps (HI)**						PCI PRO				PCI TOP	PCI TEC	Outdoor		
						PCI PRO C	PCI MINI	PCI B	PCI FOX			PCIS	PCI	PCS
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]									
35 W	Sylvania	BriteSpot ES50 35W	GX10	0.53		●		●	●	●	●			
		BriteSpot ES111 35W	GX10	0.53		●		●	●	●	●			
		CMI-T 35W	G12	0.53										
		CMI-TC 35W	G8.5	0.53		●		●	●	●	●			
		CMI-T 35W Superball	G12	0.53		●		●	●	●	●			
		CMI-TC 35W Superball	G8.5	0.53		●		●	●	●	●			
		HSI-TD 35W	Rx7s	0.53		●			●					
	Venture	HIE 35/x/x	E27	0.53		●		●	●	●	●			
	Yaming	CPS 35 4K	G12	0.53		●		●	●	●	●			
	Koizumi	CMT35/LW/G12	G12	0.46		●		●	●	●	●			
45 W	Philips	CPO-TW 45	PGZ12	0.65	● (85)			●	●					
	Sylvania	CMO-TW 45	PGZ12	0.65	● (85)			●	●					
50 W	GE	CMH 50 TT streetwise	E27	0.59	● (65)	●				●			●	
	Philips	CDM-T 50W ELITE	G12	0.59		●				●				
		CDM-TC 50W ELITE	G8.5	0.59		●				●				
		CDM-Rm 50W ELITE Mini	GX10	0.58		●				●				
60 W	Philips	CPO-TW 60W	PGZ12	0.65	● (75)								●	
	Sylvania	CMO-TW 60W	PGZ12	0.65	● (75)								●	
70 W	Aura	Crystal 70W	E27	0.98		●		●	●	●	●		●	
	BLV	C-HIT 70W	G12	1.00		●		●	●	●	●		●	
		HIE… 70W	Rx7s	1.00		●		●	●	●	●		●	
		HIE… 70W	E27	1.00		●		●	●	●	●		●	
		HIE… 70W	G12	1.00		●		●	●	●	●		●	
	GE	ARC 70W	Rx7s	1.00		●		●	●	●	●		●	
		CMH 70W E	E27	0.98		●		●	●	●	●		●	
		CMH 70W PAR	E27	1.00		●		●	●	●	●		●	
		CMH 70W T …	G12	1.00		●		●	●	●	●		●	
		CMH 70W T Mini	G8.5	1.00		●		●	●	●	●		●	
		CMH 70W TC	G8.5	1.00		●		●	●	●	●		●	
		CMH 70W TD …	Rx7s	1.00		●		●	●	●	●		●	
		CMH 70W TT streetwise	E27	0.95	● (65)									●
		CMH 70W TU	G12	1.00		●		●	●	●	●		●	
		CMH 70W Ultra Mini	G8.5	1.00		●		●	●	●	●		●	
		CMH 70W Ultra	G12	1.00		●		●	●	●	●		●	
	Iwasaki	MHT 70W Color Arc	G12	1.00		●		●	●	●	●		●	
	Osram	HCI-E/P 70W	E27	1.00		●		●	●	●	●		●	
		HCI-PAR30 70W	E27	1.00		●		●	●	●	●		●	
		HCI-R111 70W	GX8.5	1.00		●		●	●	●	●		●	
		HCI-T 70W	G12	1.00		●		●	●	●	●		●	
		HCI-T 70W Shoplight	G12	1.00		●		●	●	●	●		●	
		HCI-TC 70W	G8.5	1.00		●		●	●	●	●		●	
		HCI-TS 70W	Rx7s	1.00		●		●	●	●	●		●	

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

Lamp matrix – Metal halide lamps

Ballasts for high intensity discharge lamps Metal halide lamps (HI)						PCI PRO				PCI TOP	PCI TEC	Outdoor		
						PCI PRO C	PCI MINI	PCI B	PCI FOX			PCIS	PCI	PCS
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]									
70 W	Osram	HCI-TT 70W	E27	0.85		●		●	●	●	●		●	
		HQI-E 70W	E27	1.00		●		●	●	●	●		●	
		HQI-T 70W	G12	1.00		●		●	●	●	●		●	
		HQI-TS 70W	Rx7s	1.00		●		●	●	●	●		●	
	Philips	CDM-R 70W	E27	1.00		●		●	●	●	●		●	
		CDM-R111 70W	GX8.5	1.00		●		●	●	●	●		●	
		CDM-T 70W	G12	1.00		●		●	●	●	●		●	
		CDM-T 70W ELITE	G12	1.00		●		●	●	●	●		●	
		CDM-TC 70W	G8.5	1.00		●		●	●	●	●		●	
		CDM-TC 70W ELITE	G8.5	1.00		●		●	●	●	●		●	
		CDM-TC 70W ELITE Light Boost	G8.5	1.00	● (50)	●		●	●	●	●		●	
		CDM-TD 70W	Rx7s	1.00		●		●	●	●	●		●	
		CDM-TP 70W	PG12-2	1.00		●		●	●	●	●		●	
		CDM-ET 70W	E27	1.00										●
		CDM-TT 70W	E27	1.00										●
		CDO-ET 70W	E27	1.00	● (60)									●
		CDO-TT 70W	E27	1.00	● (60)									●
		MHN-T 70W	PG12-2	1.00		●		●	●	●	●		●	
		MHN-TD 70W	Rx7s	1.00		●		●	●	●	●		●	
		MHW-TD 70W	Rx7s	1.00		●		●	●	●	●		●	
	Radium	HRI-E 70W	E27	1.00		●		●	●	●	●		●	
		HRI-T 70W	G12	1.00		●		●	●	●	●		●	
		HRI-TS 70W	Rx7s	1.00		●		●	●	●	●		●	
		RCC-T 70W	G12	1.00		●		●	●	●	●		●	
		RCC-TS 70W	Rx7s	1.00		●		●	●	●	●		●	
	Sylvania	Britespot ESD111 70W	GX10	1.00		●		●	●	●	●		●	
		CMI-T 70W / WDL	G12	1.00		●		●	●	●	●		●	
		CMI-T 70W / NDL	G12	1.00		●		●	●	●	●		●	
		CMI-TD 70W Superball	Rx7s	1.00		●		●	●	●	●		●	
		CMI-T 70W Superball	G12	1.00		●		●	●	●	●		●	
		CMI-TC 70W Superball	G8.5	1.00		●		●	●	●	●		●	
		HSI-T 70W	G12	1.00		●		●	●	●	●		●	
		HSI-TD 70W	Rx7s	1.00		●		●	●	●	●		●	
	Venture	HIE 70W/C/U/LU/4K	E27	1.00		●		●	●	●	●		●	●
		HIE 70W/U/LU/4K	E27	1.00		●		●	●	●	●		●	●
		HIE 70/x/x	E27	1.00	● (50)	●		●	●	●	●		●	●
		CM-PLUS T 70W	G12	0.98		●		●	●	●	●	●		
90 W	Philips	CPO-TW 90W	PGZ12	0.97	● (60)								●	
	Sylvania	CMO-TW 90W	PGZ12	0.97	● (60)								●	

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

Lamp matrix – Metal halide lamps

Ballasts for high intensity discharge lamps Metal halide lamps (HI)						PCI PRO				PCI TOP	PCI TEC	Outdoor		
						PCI PRO C	PCI MINI	PCI B	PCI FOX			PCIS	PCI	PCS
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]									
100 W	BLV	MHR 100W	E27	1.20		●						●		
	GE	CMH 100W PAR	E27	1.20		●						●		
		CMH 100/C/U/830	E27	1.20		●						●		
		CMH 100W TT streetwise	E40	1.16	● (65)							●		
		MXR 100W	E27	1.20		●						●		
	Osram	HCI-E/P 100W	E27	1.20		●						●		
		HQI-E 100W	E27	1.20		●						●		
	Philips	CDO-ET 100W	E27	1.20	● (60)	●						●		
		CDO-TT 100W	E27	1.20	● (60)	●						●		
		CDM-T 100W ELITE	G12	1.20		●						●		
	Radium	HRI-E 100W …	E27	1.20		●						●		
	Sylvania	HSI-MP 100W	E27	1.20		●						●		
		HSI-TD 100W	Rx7s	1.20		●						●		
		MP 100W/CL	E27	1.20		●						●		
	Venture	HIE 100W/C/U/LU/4K	E27	1.20		●						●		
		HIE 100/U/LU/4K	E27	1.20		●						●		
		HIE 100W/C/U/LU/3K	E27	1.20		●						●		
140 W	Philips	CPO-TW 140W	PGZ12	1.49	● (60)								●	
150 W	BLV	C-HIT 150W	G12	1.80		●			●			●		
		HIE 150W	G12	1.80		●			●			●		
		MHR 150W	plug	1.80		●			●			●		
	GE	ARC 150W	G12	1.80		●			●			●		
		ARC 150W	Rx7s-24	1.80		●			●			●		
		CMH 150W E UVC O	E27	1.85	● (65)	●			●			●		
		CMH 150W TT streetwise	E40	1.80	● (65)							●		
		CMH-T 150W	G12	1.80	● (65)	●			●			●		
		CMH-TD 150W	Rx7s-24	1.80	● (65)	●			●			●		
	Iwasaki	MT 150W CEH-W/BU	E27	1.80								●		
		MT 150W D	G12	1.90		●			●			●		
	Osram	HCI-E/P 150W	E27	1.80		●			●			●		
		HCI-T 150W	G12	1.80		●			●			●		
		HCI-TS 150W	Rx7s-24	1.80		●			●			●		
		HCI-TT 150W	E40	1.80	● (60)	●			●			●		
		HQI-E 150W	E27	1.80		●			●			●		
		HQI-R 150W	plug	1.80		●			●			●		
		HQI-T 150W	G12	1.80		●			●			●		
		HQI-TS 150W	Rx7s-24	1.80		●			●			●		
		HTI 150W	plug	1.80		●			●			●		

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

Lamp matrix – Metal halide lamps

Ballasts for high intensity discharge lamps **Metal halide lamps (HI)**						PCI PRO				PCI TOP	PCI TEC	Outdoor		
						PCI PRO C	PCI MINI	PCI B	PCI FOX			PCIS	PCI	PCS
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]									
150 W	Philips	CDM-T 150W	G12	1.80		●			●			●		
		CDM-T 150W ELITE	G12	1.80		●			●			●		
		CDM-ET 150W	E40	1.80		●			●			●		
		CDM-SA/T 150W	G12	1.80		●			●			●		
		CDM-TD 150W	Rx7s-24	1.80		●			●			●		
		CDM-TP 150W	PGX12-2	1.80		●								
		CDM-TT 150W	E40	1.80		●			●			●		
		CDO-ET 150W	E40	1.80	● (60)	●			●			●		
		CDO-TT 150W	E40	1.80	● (60)	●			●			●		
		CDO-TT PLUS 150W	E40	1.80	● (60)	●			●			●		
		MHN-T 150W	RGX12-2	1.80		●			●			●		
		MHN-TD 150W	Rx7s-24	1.80		●			●			●		
		MHT-T 150W	RGX12-2	1.80		●			●			●		
		MHW-TD 150W	Rx7s-24	1.80		●			●			●		
	Radium	HRI-T 150W	G12	1.80		●			●			●		
		HRI-E 150W	E27	1.80		●			●			●		
		HRI-TS 150W	Rx7s	1.80		●			●			●		
		RCC-TS 150W	Rx7s-24	1.80		●			●			●		
		RCC-T 150W	G12	1.80		●			●			●		
	Sylvania	CMI-T 150W / WDL	G12	1.80		●			●			●		
		CMI-T 150W Superball	G12	1.80		●			●			●		
		CMI-TD 150W Superball	Rx7s-24	1.80		●			●			●		
		HSI-MP 150W	E27	1.80		●			●			●		
		HSI-T 150W…	G12	1.80		●			●			●		
		HSI-TD 150W…	Rx7s-24	1.80		●			●			●		
	Venture	HIE 150W/C/U/LU/4K	E27	1.80		●			●			●		
		HIE 150W/U/LU/T38/4K	E27	1.80		●			●			●		

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

Lamp matrix – High-pressure sodium lamps

Ballasts for high intensity discharge lamps **High-pressure sodium lamps (HS)**						Outdoor		
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]	PCIS	PCI	PCS
50 W	Osram	NAV-T Super 50W	E27	0.75	● (50)			●
	Philips	SON-T PIA Plus 50W	E27	0.80	● (50)			●
70 W	Aura	Sodinette ST 70W	E27	1.00	● (50)			●
	BLV	NAH - E 70W	E27	1.00	● (50)			●
		NAH - TR 70W	Rx7s	1.00	● (50)			●
	GE	LU 70/90W	E27	1.00	● (50)			●
		LU 70W/RFL	E27	1.00	● (50)			●
	Iwasaki	NH 70W ./HV/…	E27	1.00	● (50)			●
	Osram	NAV E 70W	E27	1.00	● (50)			●
		NAV T 70W	E27	1.00	● (50)			●
		NAV TS 70W Super 4Y	Rx7s	1.00	● (50)			●
	Philips	SON 70 W…	E27	1.00	● (50)			●
		SON 70 W-E	E27	1.00	● (50)			●
		SON Hg free 70 W…	E27	1.00	● (50)			●
		SON-T 70 W…	E27	1.00	● (50)			●
		SON-T Hg free 70 W…	E27	1.00	● (50)			●
		SON-T plus 70 W…	E27	1.00	● (50)			●
	Radium	RNP-E 70 W	E27	1.00	● (50)			●
		RNP-T 70 W	E27	1.00	● (50)			●
		RNP-TS 70 W	Rx7s	1.00	● (50)			●
	Sylvania	SHP - S 70W …	E27	1.00	● (50)			●
		SHP 70 W/CO-E	E27	1.00	● (50)			●
		SHP 70 W….	E27	1.00	● (50)			●
		SHP-T 70W	E27	1.00	● (50)			●
		SHP-TD 70W	E27	1.00	● (50)			●
		SHP-TS 70W	E27	1.00	● (50)			●
100 W	GE	LU 100W	E40	1.20	● (50)	●		
		LU 100W	E27	1.20	● (50)	●		
		TCF 100W	E40	1.20	● (50)	●		
	Osram	NAV E 100W	E40	1.20	● (50)	●		
		NAV T 100W	E40	1.20	● (50)	●		
	Philips	SON plus 100W	E40	1.20	● (50)	●		
		SON … 100W	E40	1.20	● (50)	●		
		SON-T Hg free 100 W…	E40	1.20	● (50)	●		
		SON-T plus 100 W	E40	1.20	● (50)	●		
		SON-T … 100W	E40	1.20	● (50)	●		
	Sylvania	SHP-S 100 W	E40	1.20	● (50)	●		
		SHP-T 100W	E40	1.20	● (50)	●		
		SHP-TS 100W	E40	1.20	● (50)	●		
	Iwasaki	NH 100W F	E40	1.20	● (50)	●		
		NHT 100W	E40	1.20	● (50)	●		

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

Lamp matrix – High-pressure sodium lamps

Ballasts for high intensity discharge lamps **High-pressure sodium lamps (HS)**						Outdoor		
Wattage	Manufacturer	Description	Cap	Current A	Dimmability (in %)[1]	PCIS	PCI	PCS
150 W	Aura	Sodinette ST 150W	E40	1.80	● (50)	●		
	BLV	HST-DE 150W	Fc2	1.80	● (50)	●		
		HST-DE 150W	Rx7s-24	1.80	● (50)	●		
		NAH-T 150W	E40	1.80	● (50)	●		
	GE	CMH150/UVC/T/U/842	E40	1.80	● (50)	●		
		LU 150W	E40	1.80	● (50)	●		
		LU 150W	E27	1.80	● (50)	●		
		TCF 150W	E40	1.80	● (50)	●		
	Iwasaki	NH 150W (100 V/1.8 A)	E40	1.80	● (50)	●		
		NHT 150W (100 V/1.8 A)	E40	1.80	● (50)	●		
	Osram	NAV E 150W	E40	1.80	● (50)	●		
		NAV T 150W	E40	1.80	● (50)	●		
		NAV TS 150W SUPER 4Y	Rx7s-24	1.80	● (50)	●		
	Philips	SON 150-E	E40	1.80	● (50)	●		
		SON Comfort 150W	E40	1.80	● (50)	●		
		SON Hg free 150W	E40	1.80	● (50)	●		
		SON plus 150W	E40	1.80	● (50)	●		
		SON … 150W	E40	1.80	● (50)	●		
		SON-T Comfort 150W	E40	1.80	● (50)	●		
		SON-T Hg free 150W	E40	1.80	● (50)	●		
		SON-T PIA plus 150W	E40	1.80	● (50)	●		
		SON-T plus 150W	E40	1.80	● (50)	●		
		SON-T … 150W	E40	1.80	● (50)	●		
	Radium	RNP-E 150W	E40	1.80	● (50)	●		
		RNT-T 150W	E40	1.80	● (50)	●		
		RNT-TS 150W	Rx7s-24	1.80	● (50)	●		
	Sylvania	SHP-S 150W…	E40	1.80	● (50)	●		
		SHP-T 150W…	E40	1.80	● (50)	●		
		SHP-TS 150W…	E40	1.80	● (50)	●		
	Venture	HPST 150W	E40	1.80	● (50)	●		

The latest lamp matrix can be downloaded from internet at: www.tridonic.com, menu “Technical data”, submenu “Lamp matrix”

[1] Dimmability and minimum dimming value as a percentage of the lamp output according to the manufacturer.

HID control gear

There are many market requirements. There are major differences even in the case of lighting systems with high-intensity discharge lamps. With a three-level product portfolio for indoor applications and a dedicated product range for outdoor applications, Tridonic offer the right devices for every lighting task, enabling you to reliably satisfy your customers' individual needs.

PCI PRO



PCI TOP



PCI TEC



PCIS, PCI, PCS outdoor FOX + DIM

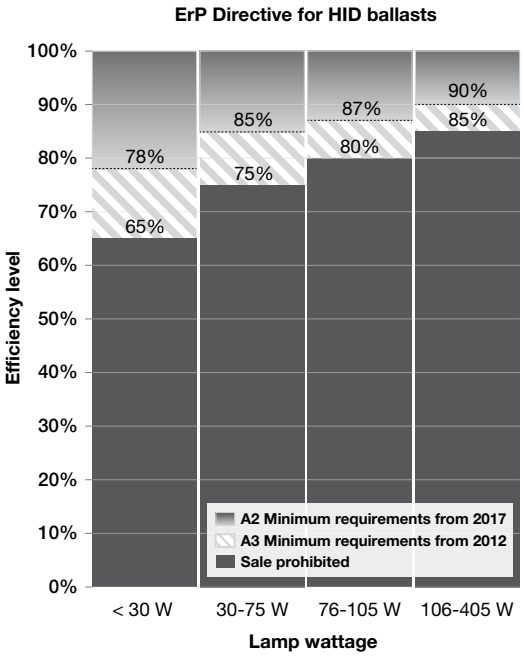


Good energy efficiency, high reliability and the right range of functionalities: we can supply the right ballast for every high-intensity discharge lamp for use in indoor and outdoor areas. PCI units from Tridonic operate extremely gently, compensate for fluctuations in mains voltage and shut-down the lamps safely when they reach the end of their lives.

Impressive economy and efficiency
The PCI devices offer constant power control, square-wave operation and a particularly low current ripple to ensure that lamps are operated in accordance with manufacturers' specifications and therefore continue operating properly throughout their long lives.

Thanks to x‌ı‌tec, Tridonic ballasts have a low component count but nevertheless offer greater benefits and more functions than other ballasts, because this intelligent chip handles a large number of tasks. Automatic shutdown at the end of the lamp's life enhances the reliability of the entire lighting system, for instance.

All Tridonic control gear for high-intensity discharge lamps already meets the 2017 requirements of the Energy Efficiency Index (EEI).



EEI classification and a declaration became mandatory for ballasts at the start of 2012. Only ballasts that meet at least the requirements of energy efficiency class A3 have been permitted since then. Only ballasts that achieve A2 classification will be permitted from 2017 onwards. These future minimum energy efficiency index requirements will be accompanied by a ban on devices that fall in energy efficiency class A3. It will therefore not be possible to market inefficient magnetic ballasts.

Lighting comfort and quality
An operating frequency between 130 and 160 Hz ensures that the light is flicker-free and prevents acoustic resonance. The electronically controlled constant and precise output ensures that the colour stability and luminous flux of high-intensity discharge lamps with either quartz or ceramic burners remain at their specified levels throughout the life of the lamps. The result is extremely small deviations in colour temperatures and excellent luminous efficacy in lighting systems.

The digital control technology of PCI reduces the restart time by as much as 50 %. EMC interference during ignition is therefore reduced by up to 95 % compared with magnetic solutions. The basis for ideal ignition is the successful pulse-pause technology from Tridonic.

Constant high quality
The consistently high reliability of the PCI ballasts from Tridonic is also due to the optimized production processes certified to ISO 9001. Fully automatic manufacture also ensures constant reproducible quality of the highest level. All the ballasts are subjected to 100 % final testing and safety testing.

Innovations for luminaire installation
PCI electronic ballasts in the C011 and B011 series are designed for luminaire installation. The PCI PRO C011 series in particular has impressive thermal behaviour. This enables them to be used reliably even in temperature-critical luminaires. In making the lifetime values for different operating temperatures fully transparent, Tridonic is acting as a pioneer and offering greater freedom for luminaire designers. Multi-watt devices are another highlight. In their successful compact design PCI PRO C011 units now combine two wattages in the same device, which increases flexibility in warehouse management and saves on costs for luminaire certification. The wattage is selected via connection of the appropriate supply terminal.

Specialist in surface-mounted applications
PCI PRO C021 ballasts have set a new standard in ease of installation. With duplicated power terminals, through-wiring of cables with crosssections of up to 2.5 mm^2 is child's play. The three separate strain relief channels hold the cables safely and reliably. A unique feature is that the entire installation process can be completed without the need for a screwdriver – plug'n play in its purest form! The PCI PRO C521 devices are surface-mount devices with ready-made ST cables to make it even easier to connect luminaires in suspended ceilings. Two-lamp surface-mount devices are available on the successful B021 platform with fitted lamp cables as B521.

Do you speak DALI?
If you do, the PCI FOX B011 devices from Tridonic will speak your language. FOX stands for **F**ixed **O**utput e**X**tended – with "extended" referring to the digital DALI/DSI interface. This enables individual addressing, powerless switching and retrieval of status information. High-intensity discharge lamps can therefore be easily integrated in lighting control systems. For example, there is no need any more to open-up the luminaire to see whether the problem is a lamp fault or an overtemperature cutout.

New product ranges in the PCI portfolio
The PCI TOP product range concentrates on delivering top-class operation of mid-range metal halide lamps that are affordable and meet requisite quality requirements. PCI TOP ballasts really shine with their dependable ignition and flicker-free operation in built-in as well as surface-mounting applications. The ballast automatically switches off in the event of overheating and faulty or missing lamps, thereby improving the safety of your lighting system. The lamp cable can be up to 1.5 m long; this gives luminaire manufacturers plenty of leeway in most applications.

High safety standards and good efficiency: even in its entry-level segment, Tridonic offers the same qualities and characteristics that have helped its electronic gear for high-intensity discharge lamps achieve such triumphant success. The PCI TEC range makes it easy to say goodbye to magnetic ballasts. These electronic devices which are also based on our tried-and-tested xıtec topology operate quartz and ceramic metal halide lamps in perfect conformity with applicable standards. They provide added value in the form of better energy efficiency and highly reliable lighting. Various safety devices provide protection against excessive heat, voltage and short-circuits.

Robust and durable: PCIS outdoor for outdoor applications

Lighting for streets, tunnels, buildings and squares places special demands on the luminaires. Wind, weather and long operating times make small differences very noticeable. With a life of 60,000 hours and more, PCIS outdoor B011 is one of the most durable electronic components on the market. An important factor here is the special filling compound that perfectly meets the requirements of the electronic components and provides effective protection against moisture, dust and vibrations. Enhanced protection against mains transients and automatic shutdown of lamps at their end of life increase the reliability and safety of HI and HS lighting systems. The dimmable PCIS outdoor DIM B011 versions enable the level of light to be reduced at the quieter times of night, which means that enormous amounts of energy can be saved. These devices are controlled either via a mains control line (stepDIM) or via a digital DALI/DSI signal.

Lamp matrix

Which control gear for which lamp?
The latest lamp matrix is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “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”

HI

PCI PRO C011 Single

PCI PRO, built-in applications



Product description

- For metal halide lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- With patented circuit elements
- Flicker-free light
- Colour stability thanks to constant power
- Guaranteed long life
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Multi-lamp management: two lamp wattages with one device (choice of power via selection of the terminal)
- Casing: aluminium (PCI 20/22 PRO steel)
- Push-in terminals up to 2.5 mm²
- Excellent thermal behaviour

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

Technical data

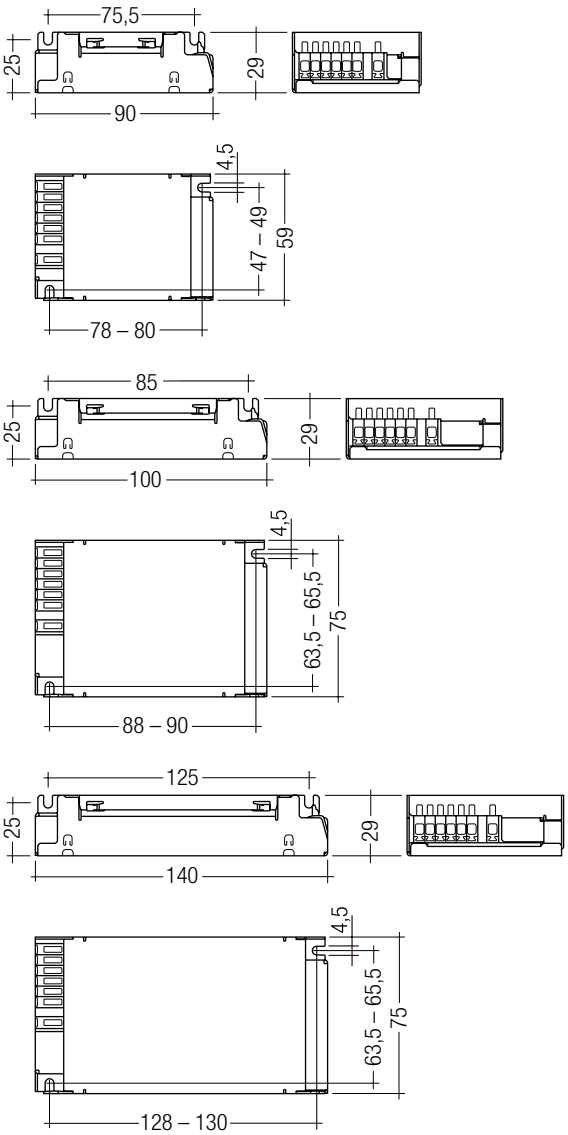
Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	198 – 320 V (at 22, 50, 70, 150 W)
Mains frequency	50 / 60 Hz
Max. ignition voltage	5 kVp (2 kVp at 22 W)
Operating frequency	145 Hz
Type of protection	IP20

→

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Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 20/22 PRO C011	**86458600**	15 pc(s).	1,350 pc(s).	0.151 kg
PCI 35/50 PRO C011	**86459307**	15 pc(s).	900 pc(s).	0.204 kg
PCI 35/70 PRO C011	**86458601**	15 pc(s).	900 pc(s).	0.204 kg
PCI 100/150 PRO C011	**86458602**	15 pc(s).	900 pc(s).	0.315 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 1 lamp														
1 x 20 W	HI	**PCI 20/22 PRO C011**	86458600	90 x 59 x 29 mm	20 W	23.0 W	A2	> 88 %	0.10 A	0.95	2 m / 160 pF	75 °C	-25 ... +60 °C	70/55 °C
1 x 22 W	HI	**PCI 20/22 PRO C011**	86458600	90 x 59 x 29 mm	22 W	25.5 W	A2	> 88 %	0.10 A	0.95	2 m / 160 pF	75 °C	-25 ... +60 °C	70/55 °C
1 x 35 W	HI	**PCI 35/50 PRO C011**	86459307	100 x 75 x 29 mm	39 W	43.5 W	A2	> 89 %	0.20 A	0.96	5 m / 400 pF	80 °C	-25 ... +70 °C	70/60 °C
1 x 50 W	HI	**PCI 35/50 PRO C011**	86459307	100 x 75 x 29 mm	50 W	55.0 W	A2	> 90 %	0.25 A	0.96	5 m / 400 pF	80 °C	-25 ... +65 °C	70/55 °C
1 x 35 W	HI	**PCI 35/70 PRO C011**	86458601	100 x 75 x 29 mm	39 W	43.5 W	A2	> 89 %	0.20 A	0.97	5 m / 400 pF	80 °C	-25 ... +70 °C	70/60 °C
1 x 70 W	HI	**PCI 35/70 PRO C011**	86458601	100 x 75 x 29 mm	73 W	79.0 W	A2	> 90 %	0.35 A	0.97	5 m / 400 pF	80 °C	-25 ... +60 °C	70/50 °C
1 x 100 W	HI	**PCI 100/150 PRO C011**	86458602	140 x 75 x 29 mm	100 W	108.0 W	A2	> 91 %	0.50 A	0.97	5 m / 400 pF	85 °C	-25 ... +65 °C	80/60 °C
1 x 150 W	HI	**PCI 100/150 PRO C011**	86458602	140 x 75 x 29 mm	147 W	158.5 W	A2	> 91 %	0.70 A	0.97	5 m / 400 pF	80 °C	-25 ... +55 °C	75/50 °C

① At ta = 25 °C.

HI

PCI B011 Single

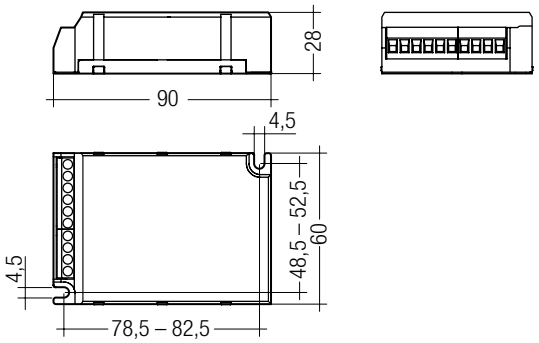
PCI PRO, built-in applications

Product description

- For metal halide lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- With patented circuit elements
- Flicker-free light
- Colour stability thanks to constant power
- Guaranteed long life
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Lower section of casing made of steel
- Upper section of casing made of Makrolon, V0 material, black
- Screw terminals: ≤ 1.5 mm² for stranded wire, ≤ 2.5 mm² for solid wire

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	153 – 320 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	145 Hz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 0035 B011	**86457897**	15 pc(s).	1,080 pc(s).	0.161 kg

→

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Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 1 lamp														
1 x 35 W	HI	**PCI 0035 B011**	86457897	90 x 60 x 28 mm	39 W	44.5 W	A2	> 87 %	0.2 A	0.97	1.5 m / 120 pF	75 °C	-25 ... +50 °C	75/50 °C

① At ta = 25 °C.

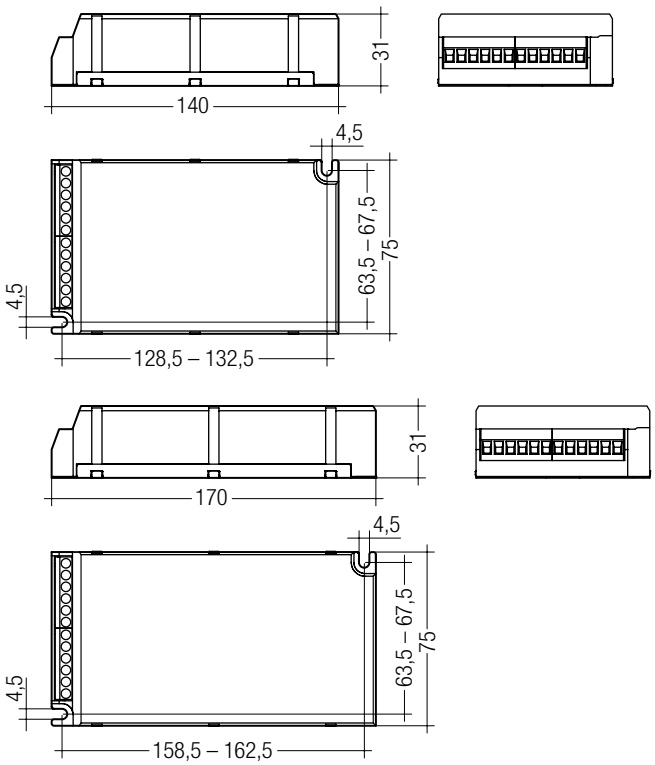
RoHS

HI

PCI B011 Twin

PCI PRO, built-in applications





Product description

- For metal halide lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- With patented circuit elements
- Flicker-free light
- Colour stability thanks to constant power
- Guaranteed long life
- No acoustic resonance
- Two independent lamp output circuits
- Safety shutdown of an affected lamp circuit if a lamp is missing or faulty
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Lower section of casing made of steel
- Upper section of casing made of Makrolon, VO material, black
- Screw terminals: ≤ 1.5 mm² for stranded wire, ≤ 2.5 mm² for solid wire

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	153 – 320 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	145 Hz
Type of protection	IP20

→

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Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 2 lamps				
PCI 2/35 B011	**86458207**	15 pc(s).	900 pc(s).	0.318 kg
PCI 2/70 B011	**86458209**	15 pc(s).	600 pc(s).	0.400 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 2 lamps														
2 x 35 W	HI	**PCI 2/35 B011**	86458207	140 x 75 x 31 mm	2 x 39 W	87 W	A2	> 89 %	0.38 A	0.97	per 1.5 m / 120 pF	65 °C	-25 ... +50 °C	65/50 °C
2 x 70 W	HI	**PCI 2/70 B011**	86458209	170 x 75 x 31 mm	2 x 72 W	158 W	A2	> 91 %	0.70 A	0.97	per 1.5 m / 120 pF	70 °C	-25 ... +40 °C	70/40 °C

① At ta = 25 °C.

HI

PCI FOX B011

PCI PRO, built-in applications



Product description

- For metal halide lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Switching possible via mains or powerless via the digital interface
- Noise-free precise control via DALI or DSI signal
- On/off switching via DALI/DSI signal
- Fault reporting in DALI mode
- With patented circuit elements
- Flicker-free light
- Colour stability thanks to constant power
- Guaranteed long life
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Screw terminals: ≤ 1.5 mm² for stranded wire, ≤ 2.5 mm² for solid wire
- Lower section of casing made of steel
- Upper section of casing made of Makrolon, V0 material, black

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

Technical data

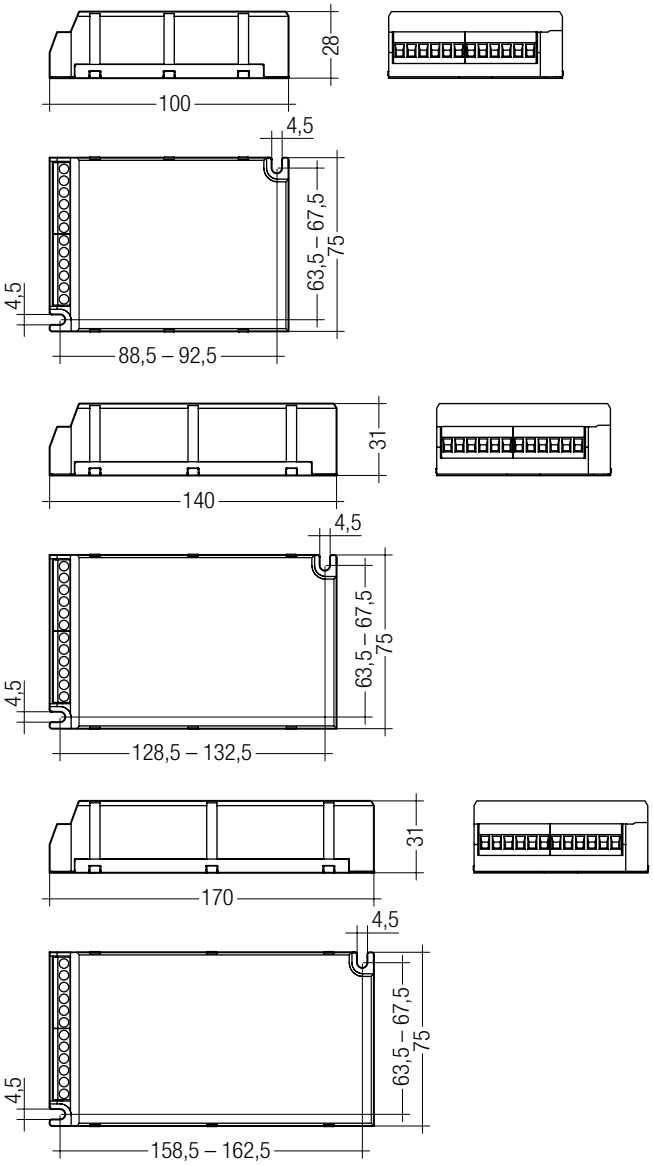
Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	153 – 320 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	145 Hz
Type of protection	IP20

→

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Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 0020 FOX B011	**86458340**	15 pc(s).	1,080 pc(s).	0.194 kg
PCI 0035 FOX B011	**86458341**	15 pc(s).	600 pc(s).	0.193 kg
PCI 0070 FOX B011	**86458342**	15 pc(s).	600 pc(s).	0.256 kg
PCI 0150 FOX B011	**86458343**	15 pc(s).	600 pc(s).	0.372 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 1 lamp														
1 x 20 W	HI	**PCI 0020 FOX B011**	86458340	100 x 75 x 28 mm	20 W	24.5 W	A2	> 84 %	0.10 A	0.95	1.5 m / 120 pF	80 °C	-25 ... +55 °C	80/55 °C
1 x 35 W	HI	**PCI 0035 FOX B011**	86458341	100 x 75 x 28 mm	39 W	45.0 W	A2	> 87 %	0.20 A	0.97	1.5 m / 120 pF	80 °C	-25 ... +50 °C	80/50 °C
1 x 70 W	HI	**PCI 0070 FOX B011**	86458342	140 x 75 x 31 mm	72 W	80.0 W	A2	> 89 %	0.35 A	0.97	1.5 m / 120 pF	80 °C	-25 ... +50 °C	80/50 °C
1 x 150 W	HI	**PCI 0150 FOX B011**	86458343	170 x 75 x 31 mm	147 W	160.0 W	A2	> 91 %	0.70 A	0.97	1.5 m / 120 pF	80 °C	-25 ... +50 °C	80/50 °C

① At ta = 25 °C.

RoHS

HI

PCI PRO C021 Single

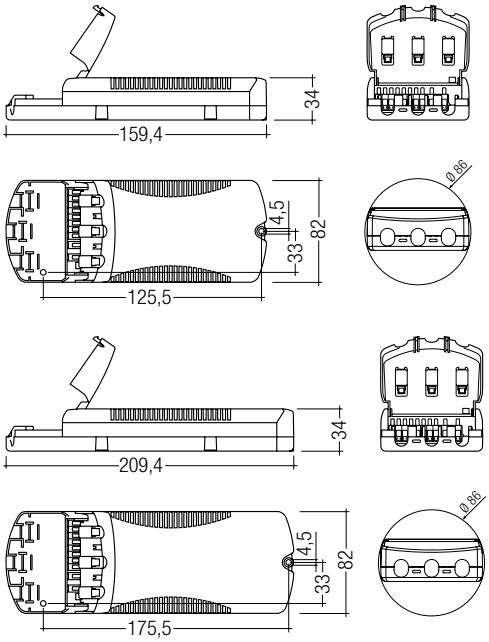
PCI PRO, independent

Product description

- For metal halide lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- With patented circuit elements
- Flicker-free light
- Colour stability thanks to constant power
- Guaranteed long life
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Through wiring possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Push-in terminals up to 2.5 mm²
- 3 separate strain reliefs
- Casing: polycarbonate, black

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	198 – 320 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp (2 kVp at 22 W)
Operating frequency	145 Hz
Type of protection	IP20

→

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Wiring diagrams and installation examples, page 364

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 20 PRO C021	**86459018**	15 pc(s).	720 pc(s).	0.25 kg
PCI 22 PRO C021	**86459021**	15 pc(s).	720 pc(s).	0.25 kg
PCI 35 PRO C021	**86458606**	15 pc(s).	720 pc(s).	0.25 kg
PCI 50 PRO C021	**86459308**	15 pc(s).	720 pc(s).	0.26 kg
PCI 70 PRO C021	**86458607**	15 pc(s).	720 pc(s).	0.26 kg
PCI 150 PRO C021	**86458608**	15 pc(s).	720 pc(s).	0.48 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 1 lamp														
1 x 20 W	HI	**PCI 20 PRO C021**	86459018	159.4 x 82 x 34 mm	20 W	23.0 W	A2	> 88 %	0.10 A	0.95	2 m / 160 pF	70 °C	-25 ... +65 °C	70/65 °C
1 x 22 W	HI	**PCI 22 PRO C021**	86459021	159.4 x 82 x 34 mm	22 W	25.5 W	A2	> 88 %	0.11 A	0.95	2 m / 160 pF	70 °C	-25 ... +65 °C	70/65 °C
1 x 35 W	HI	**PCI 35 PRO C021**	86458606	159.4 x 82 x 34 mm	39 W	43.5 W	A2	> 89 %	0.20 A	0.97	5 m / 400 pF	80 °C	-25 ... +65 °C	80/65 °C
1 x 50 W	HI	**PCI 50 PRO C021**	86459308	159.4 x 82 x 34 mm	50 W	55.0 W	A2	> 90 %	0.25 A	0.96	5 m / 400 pF	75 °C	-25 ... +60 °C	75/60 °C
1 x 70 W	HI	**PCI 70 PRO C021**	86458607	159.4 x 82 x 34 mm	73 W	79.0 W	A2	> 90 %	0.35 A	0.97	5 m / 400 pF	75 °C	-25 ... +50 °C	75/50 °C
1 x 150 W	HI	**PCI 150 PRO C021**	86458608	209.4 x 82 x 34 mm	147 W	158.5 W	A2	> 91 %	0.70 A	0.97	5 m / 400 pF	80 °C	-25 ... +45 °C	80/45 °C

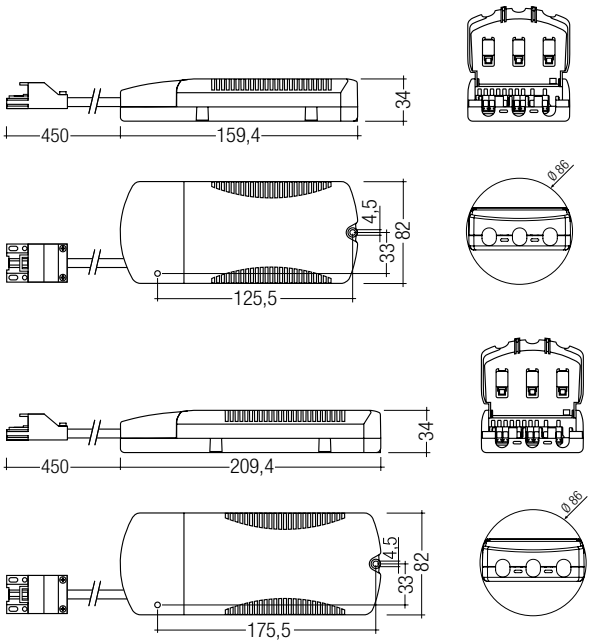
① At ta = 25 °C.

HI

PCI C521 Single ST

PCI PRO, independent





Product description

- For metal halide lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- With patented circuit elements
- Halogen-free lamp cable with ST18 socket and interlock lug
- Flicker-free light
- Colour stability thanks to constant power
- Guaranteed long life
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Through wiring possible
- Rapid installation of cable clamp and terminal cover, no tool required
- Push-in terminals up to 2.5 mm²
- 3 separate strain reliefs
- Casing: polycarbonate, black

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

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	198 – 320 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp (2 kVp at 22 W)
Operating frequency	145 Hz
Type of protection	IP20

→

Product / function matrix, page 339

Lamp matrix, page 340

Wiring diagrams and installation examples, page 364

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 20 PRO C521 ST	**86459019**	12 pc(s).	288 pc(s).	0.30 kg
PCI 22 PRO C521 ST	**86459022**	12 pc(s).	288 pc(s).	0.30 kg
PCI 35 PRO C521 ST	**86458609**	12 pc(s).	288 pc(s).	0.30 kg
PCI 50 PRO C521 ST	**86459309**	12 pc(s).	288 pc(s).	0.31 kg
PCI 70 PRO C521 ST	**86458610**	12 pc(s).	288 pc(s).	0.31 kg
PCI 150 PRO C521 ST	**86458611**	12 pc(s).	288 pc(s).	0.53 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 50,000 h
For luminaires with 1 lamp														
1 x 20 W	HI	**PCI 20 PRO C521 ST**	86459019	159.4 x 82 x 34 mm	20 W	23.0 W	A2	> 88 %	0.10 A	0.95	2 m / 160 pF	70 °C	-25 ... +65 °C	70/65 °C
1 x 22 W	HI	**PCI 22 PRO C521 ST**	86459022	159.5 x 82 x 34 mm	22 W	25.5 W	A2	> 88 %	0.11 A	0.95	2 m / 160 pF	70 °C	-25 ... +65 °C	70/65 °C
1 x 35 W	HI	**PCI 35 PRO C521 ST**	86458609	159.4 x 82 x 34 mm	39 W	43.5 W	A2	> 89 %	0.20 A	0.97	5 m / 400 pF	80 °C	-25 ... +65 °C	80/65 °C
1 x 50 W	HI	**PCI 50 PRO C521 ST**	86459309	159.4 x 82 x 34 mm	50 W	55.0 W	A2	> 90 %	0.25 A	0.96	5 m / 400 pF	75 °C	-25 ... +60 °C	75/60 °C
1 x 70 W	HI	**PCI 70 PRO C521 ST**	86458610	159.4 x 82 x 34 mm	73 W	79.0 W	A2	> 90 %	0.35 A	0.97	5 m / 400 pF	75 °C	-25 ... +50 °C	75/50 °C
1 x 150 W	HI	**PCI 150 PRO C521 ST**	86458611	209.4 x 82 x 34 mm	147 W	158.5 W	A2	> 91 %	0.70 A	0.97	5 m / 400 pF	80 °C	-25 ... +45 °C	80/45 °C

① At ta = 25 °C.

HI

PCI TOP C011 Single

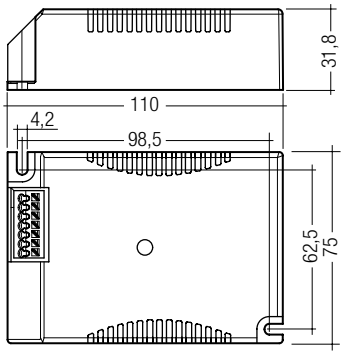
PCI TOP, built-in applications

Product description

- For quartz and ceramic lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Flicker-free light
- Colour stability thanks to constant power
- Low power loss
- Low weight
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Casing: PBT-RG151 acc. to UL94-V0, white; steel base plate
- Push-in terminals up to 1.5 mm²

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	140 Hz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PCI 35 TOP C011	**28000014**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.205 kg
PCI 50 TOP C011	**28000015**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.210 kg
PCI 70 TOP C011	**28000016**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.208 kg

→

Product / function matrix, page 339

Lamp matrix, page 340

Wiring diagrams and installation examples, page 364

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 40,000 h
For luminaires with 1 lamp														
1 x 35 W	HI	**PCI 35 TOP C011**	28000014	110 x 75 x 32 mm	39 W	44.0 W	A2	> 87 %	0.20 A	0.97	1.5 m / 120 pF	80 °C	-20 ... +60 °C	80/60 °C
1 x 50 W	HI	**PCI 50 TOP C011**	28000015	110 x 75 x 32 mm	50 W	55.0 W	A2	> 89 %	0.25 A	0.96	1.5 m / 120 pF	75 °C	-20 ... +55 °C	75/55 °C
1 x 70 W	HI	**PCI 70 TOP C011**	28000016	110 x 75 x 32 mm	73 W	80.5 W	A2	> 90 %	0.35 A	0.97	1.5 m / 120 pF	75 °C	-20 ... +50 °C	75/50 °C

① At ta = 25 °C.

CE RoHS

HI

NEW

PCI TOP C011 PKL Single

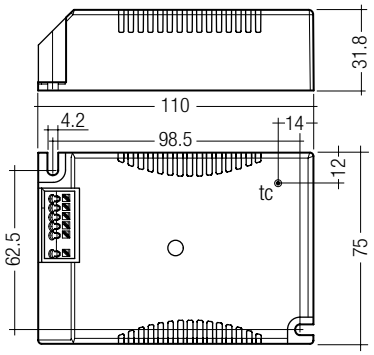
PCI TOP, built-in applications

Product description

- For quartz and ceramic lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Flicker-free light
- Colour stability thanks to constant power
- Low power loss
- Low weight
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Casing: polycarbonate, white, non-flammable acc. to UL94-V0; steel base plate
- Push-in terminals up to 2.5 mm²

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
Mains frequency	50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	140 Hz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PCI 35 TOP C011 PKL	**87500252**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.208 kg
PCI 50 TOP C011 PKL	**87500253**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.209 kg
PCI 70 TOP C011 PKL	**87500254**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.210 kg

→

Product / function matrix, page 339

Lamp matrix, page 340

Wiring diagrams and installation examples, page 364

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 40,000 h
For luminaires with 1 lamp														
1 x 35 W	HI	**PCI 35 TOP C011 PKL**	87500252	110 x 75 x 32 mm	39 W	44.0 W	A2	> 87 %	0.20 A	0.97	1.5 m / 120 pF	80 °C	-20 ... +60 °C	80/60 °C
1 x 50 W	HI	**PCI 50 TOP C011 PKL**	87500253	110 x 75 x 32 mm	50 W	55.0 W	A2	> 89 %	0.25 A	0.96	1.5 m / 120 pF	75 °C	-20 ... +55 °C	75/55 °C
1 x 70 W	HI	**PCI 70 TOP C011 PKL**	87500254	110 x 75 x 32 mm	73 W	80.5 W	A2	> 90 %	0.35 A	0.97	1.5 m / 120 pF	75 °C	-20 ... +50 °C	75/50 °C

① At ta = 25 °C.

HI

PCI TOP C021 Single

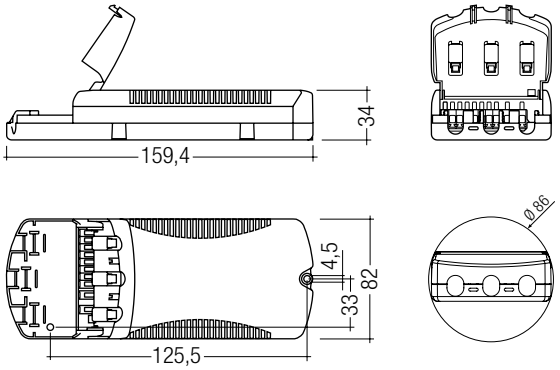
PCI TOP, independent

Product description

- For quartz and ceramic lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Flicker-free light
- Colour stability thanks to constant power
- Low power loss
- Low weight
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- With integrated cable clamp and terminal cover
- Rapid installation of cable clamp and terminal cover, no tool required
- Push-in terminals up to 2.5 mm²
- Casing: polycarbonate, white

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	198 – 320 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	145 Hz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PCI 35 TOP C021	**87500208**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.260 kg
PCI 50 TOP C021	**87500210**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.264 kg
PCI 70 TOP C021	**87500209**	20 pc(s).	280 pc(s).	1,120 pc(s).	0.265 kg

→

Product / function matrix, page 339

Lamp matrix, page 340

Wiring diagrams and installation examples, page 364

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 30,000 h
For luminaires with 1 lamp														
1 x 35 W	HI	**PCI 35 TOP C021**	87500208	159.4 x 82 x 34 mm	39 W	44 W	A2	> 88 %	0.20 A	0.97	1.5 m / 120 pF	70 °C	-20 ... +55 °C	70/55 °C
1 x 50 W	HI	**PCI 50 TOP C021**	87500210	159.4 x 82 x 34 mm	50 W	56 W	A2	> 89 %	0.25 A	0.96	1.5 m / 120 pF	65 °C	-20 ... +50 °C	65/50 °C
1 x 70 W	HI	**PCI 70 TOP C021**	87500209	159.4 x 82 x 34 mm	73 W	80 W	A2	> 90 %	0.35 A	0.97	1.5 m / 120 pF	75 °C	-20 ... +45 °C	75/45 °C

① At ta = 25 °C.

RoHS

HI

NEW

PCI TEC C011 Single

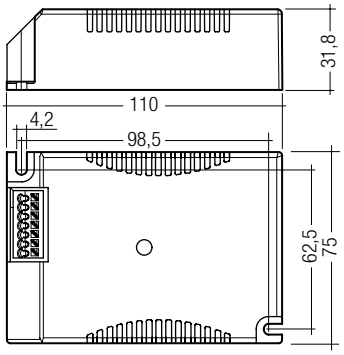
PCI TEC, built-in applications

Product description

- For quartz and ceramic lamps
- Also for mobile luminaires with connectors
- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Flicker-free light
- Colour stability thanks to constant power
- Low power loss
- Low weight
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Automatic shutdown on overheating
- Casing: PBT-RG151 acc. to UL94-V0, cyan; steel base plate
- Push-in terminals up to 1.5 mm²

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Max. ignition voltage	5 kVp
Operating frequency	140 Hz
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
For luminaires with 1 lamp					
PCI 35 TEC C011	**87500118**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.209 kg
PCI 70 TEC C011	**87500119**	20 pc(s).	440 pc(s).	2,200 pc(s).	0.210 kg

→

Product / function matrix, page 339

Lamp matrix, page 340

Wiring diagrams and installation examples, page 364

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 20,000 h
For luminaires with 1 lamp														
1 x 35 W	HI	**PCI 35 TEC C011**	87500118	110 x 75 x 32 mm	39 W	44.0 W	A2	> 87 %	0.20 A	0.97	1.5 m / 120 pF	75 °C	-10 ... +55 °C	75/55 °C
1 x 70 W	HI	**PCI 70 TEC C011**	87500119	110 x 75 x 32 mm	73 W	80.5 W	A2	> 90 %	0.35 A	0.97	1.5 m / 120 pF	80 °C	-10 ... +50 °C	80/50 °C

① At ta = 25 °C.

HS HI

PCIS, PCI, PCS outdoor FOX B011

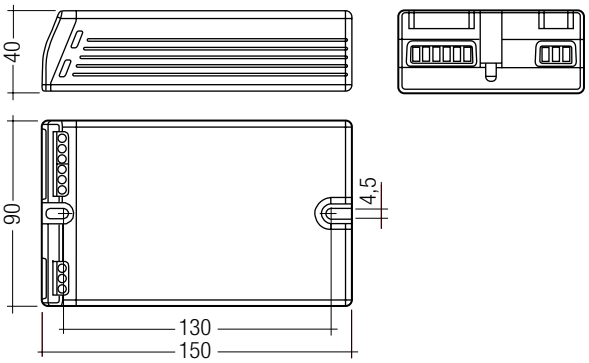
Built-in applications

Product description

- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Flicker-free light
- Colour stability thanks to constant power
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Screw terminals: ≤ 1.5 mm² for stranded wire, ≤ 2.5 mm² for solid wire
- Switching possible via mains or powerless via the digital interface
- Noise-free precise control via DALI or DSI signal
- Fault reporting in DALI mode
- Enhanced protection against mains transients
- Enhanced insulation
- Unit fully encased to protect against dust, moisture and vibration
- Casing: polycarbonate, black

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
Mains frequency	50 / 60 Hz
Max. ignition voltage PCI, PCIS	5 kVp
Max. ignition voltage PCS	2.5 kVp
Operating frequency	145 Hz
Type of protection	IP20

→

Lamp matrix, page 340

Wiring diagrams and installation examples, page 364

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 45 outdoor FOX B011	**86459331**	16 pc(s).	480 pc(s).	0.700 kg
PCI 50 outdoor FOX B011	**86459334**	16 pc(s).	480 pc(s).	0.700 kg
PCS 50 outdoor FOX B011	**86459333**	16 pc(s).	480 pc(s).	0.700 kg
PCI 60 outdoor FOX B011	**86459155**	16 pc(s).	480 pc(s).	0.712 kg
PCI 70 outdoor FOX B011	**86458590**	16 pc(s).	480 pc(s).	0.714 kg
PCS 70 outdoor FOX B011	**86458591**	16 pc(s).	480 pc(s).	0.703 kg
PCI 90 outdoor FOX B011	**86459156**	16 pc(s).	480 pc(s).	0.749 kg
PCIS 100 outdoor FOX B011	**86458592**	16 pc(s).	480 pc(s).	0.748 kg
PCI 140 outdoor FOX B011	**86459157**	16 pc(s).	480 pc(s).	0.743 kg
PCIS 150 outdoor FOX B011	**86458593**	16 pc(s).	480 pc(s).	0.764 kg

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power ①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 60,000 h
For luminaires with 1 lamp														
1 x 45 W	HI	**PCI 45 outdoor FOX B011**	86459331	150 x 90 x 40 mm	45 W	52 W	A2	> 88 %	0.23 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 50 W	HI	**PCI 50 outdoor FOX B011**	86459334	150 x 90 x 40 mm	50 W	57 W	A2	> 88 %	0.25 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 50 W	HS	**PCS 50 outdoor FOX B011**	86459333	150 x 90 x 40 mm	50 W	57 W	A2	> 88 %	0.25 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 60 W	HI	**PCI 60 outdoor FOX B011**	86459155	150 x 90 x 40 mm	60 W	68 W	A2	> 88 %	0.30 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 70 W	HI	**PCI 70 outdoor FOX B011**	86458590	150 x 90 x 40 mm	73 W	81 W	A2	> 88 %	0.35 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 70 W	HS	**PCS 70 outdoor FOX B011**	86458591	150 x 90 x 40 mm	73 W	81 W	A2	> 88 %	0.35 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 90 W	HI	**PCI 90 outdoor FOX B011**	86459156	150 x 90 x 40 mm	90 W	99 W	A2	> 91 %	0.45 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 100 W	HI/HS	**PCIS 100 outdoor FOX B011**	86458592	150 x 90 x 40 mm	100 W	109 W	A2	> 91 %	0.50 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 140 W	HI	**PCI 140 outdoor FOX B011**	86459157	150 x 90 x 40 mm	140 W	155 W	A2	> 91 %	0.65 A	0.97	5 m / 400 pF	75 °C	-25 ... +55 °C	75/55 °C
1 x 150 W	HI/HS	**PCIS 150 outdoor FOX B011**	86458593	150 x 90 x 40 mm	147 W	161 W	A2	> 91 %	0.70 A	0.97	5 m / 400 pF	75 °C	-25 ... +55 °C	75/55 °C

① At ta = 25 °C.

HS HI

PCIS, PCI, PCS outdoor DIM B011

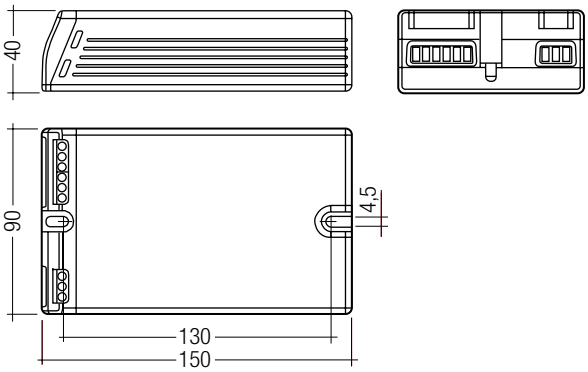
Built-in applications

Product description

- Pulse packets for increased ignition energy (pulseCONTROL technology)
- Flicker-free light
- Colour stability thanks to constant power
- No acoustic resonance
- Safety shutdown if a lamp is faulty or missing
- Greatly reduced reignition time
- Hardly any EMC interference in the ignition phase
- Screw terminals: ≤ 1.5 mm² for stranded wire, ≤ 2.5 mm² for solid wire
- Dimming via digital interface
- Noise-free precise control via DALI, DSI or stepDIM
- Fault reporting in DALI mode
- Unit fully encased to protect against dust, moisture and vibration
- Enhanced protection against mains transients
- Enhanced insulation
- Casing: polycarbonate, black

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





Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 254 V
Mains frequency	50 / 60 Hz
Max. ignition voltage PCI, PCIS	5 kVp
Max. ignition voltage PCS	2.5 kVp
Operating frequency	145 Hz
Type of protection	IP20

→ **Lamp matrix**, page 340

Wiring diagrams and installation examples, page 364

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
For luminaires with 1 lamp				
PCI 45 outdoor DIM B011	**86459332**	16 pc(s).	480 pc(s).	0.700 kg
PCI 50 outdoor DIM B011	**86459336**	16 pc(s).	480 pc(s).	0.700 kg
PCS 50 outdoor DIM B011	**86459335**	16 pc(s).	480 pc(s).	0.700 kg
PCI 60 outdoor DIM B011	**86459159**	16 pc(s).	480 pc(s).	0.722 kg
PCI 70 outdoor DIM B011	**86459337**	16 pc(s).	480 pc(s).	0.700 kg
PCS 70 outdoor DIM B011	**86458595**	16 pc(s).	480 pc(s).	0.720 kg
PCI 90 outdoor DIM B011	**86459160**	16 pc(s).	480 pc(s).	0.749 kg
PCIS 100 outdoor DIM B011	**86458596**	16 pc(s).	480 pc(s).	0.760 kg
PCI 140 outdoor DIM B011	**86459161**	16 pc(s).	480 pc(s).	0.746 kg
PCIS 150 outdoor DIM B011	**86458597**	16 pc(s).	480 pc(s).	0.747 kg

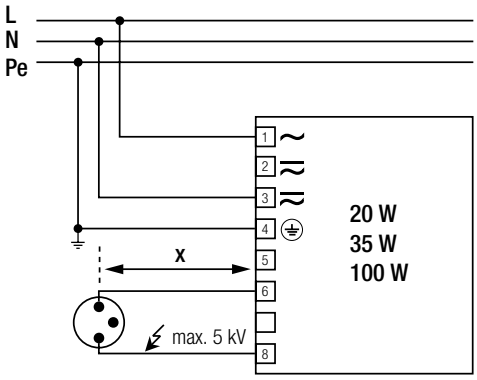
Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Lamp power	Circuit power①	EEI	Effi-ciency	Current at 230 V, 50 Hz	λ at 230 V, 50 Hz	Max. cable length to lamp	tc point max.	Ambient temperature ta	tc/ta for ≥ 60,000 h
For luminaires with 1 lamp														
1 x 45 W	HI	**PCI 45 outdoor DIM B011**	86459332	150 x 90 x 40 mm	45 W	52 W	A2	> 88 %	0.23 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 50 W	HI	**PCI 50 outdoor DIM B011**	86459336	150 x 90 x 40 mm	50 W	57 W	A2	> 88 %	0.25 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 50 W	HS	**PCS 50 outdoor DIM B011**	86459335	150 x 90 x 40 mm	50 W	57 W	A2	> 88 %	0.25 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 60 W	HI	**PCI 60 outdoor DIM B011**	86459159	150 x 90 x 40 mm	60 W	68 W	A2	> 88 %	0.30 A	0.97	5 m / 400 pF	70 °C	-25 ... +60 °C	70/60 °C
1 x 70 W	HI	**PCI 70 outdoor DIM B011**	86459337	150 x 90 x 40 mm	70 W	81 W	A2	> 88 %	0.35 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 70 W	HS	**PCS 70 outdoor DIM B011**	86458595	150 x 90 x 40 mm	73 W	81 W	A2	> 88 %	0.35 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 90 W	HI	**PCI 90 outdoor DIM B011**	86459160	150 x 90 x 40 mm	90 W	99 W	A2	> 91 %	0.45 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 100 W	HI/HS	**PCIS 100 outdoor DIM B011**	86458596	150 x 90 x 40 mm	100 W	109 W	A2	> 91 %	0.50 A	0.97	5 m / 400 pF	70 °C	-25 ... +55 °C	70/55 °C
1 x 140 W	HI	**PCI 140 outdoor DIM B011**	86459161	150 x 90 x 40 mm	140 W	155 W	A2	> 91 %	0.65 A	0.97	5 m / 400 pF	75 °C	-25 ... +55 °C	75/55 °C
1 x 150 W	HI/HS	**PCIS 150 outdoor DIM B011**	86458597	150 x 90 x 40 mm	147 W	161 W	A2	> 91 %	0.70 A	0.97	5 m / 400 pF	75 °C	-25 ... +55 °C	75/55 °C

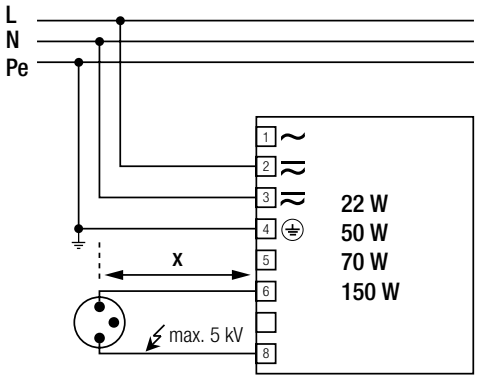
① At ta = 25 °C.

PCI PRO built-in applications

PCI PRO C011

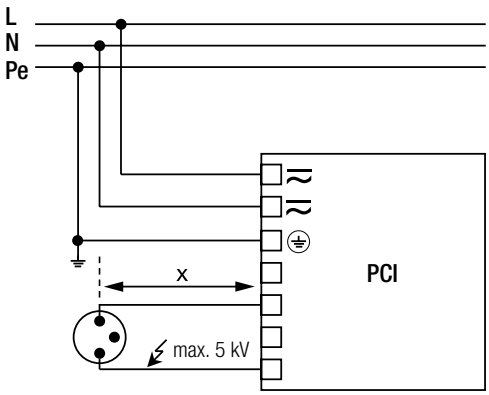


Multi-watt wiring diagram for 20, 35 and 100 W

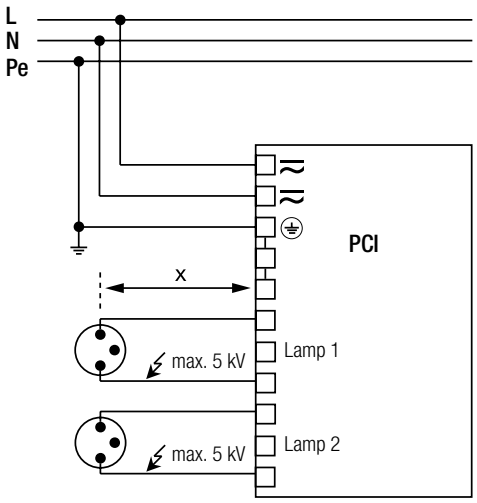


Multi-watt wiring diagram for 22, 50, 70 and 150 W

PCI B011 Single

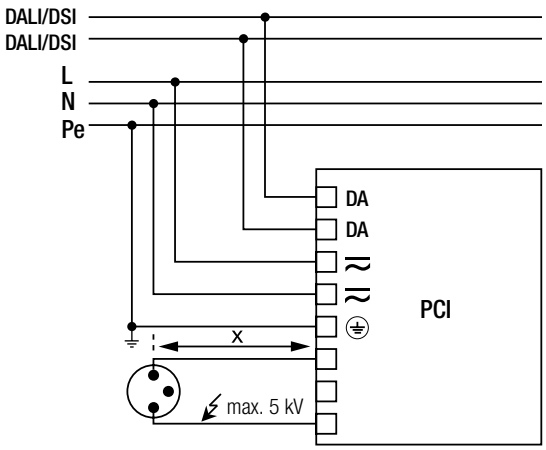


PCI B011 Twin + PCI B021/521 Twin

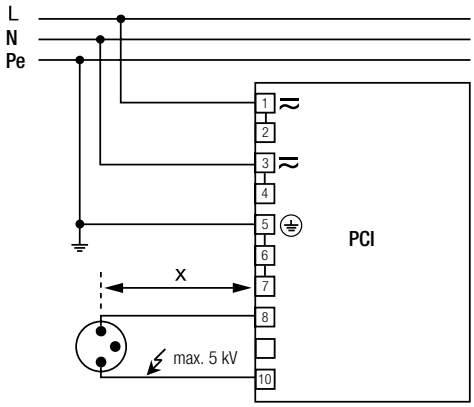


PCI PRO remote applications

PCI FOX B011

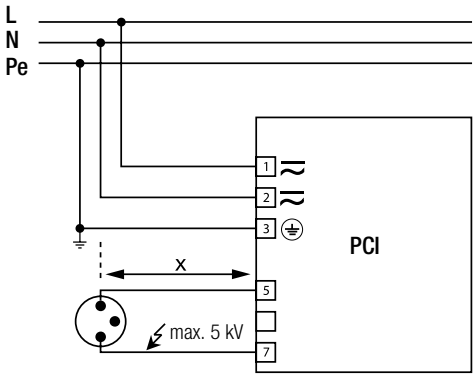


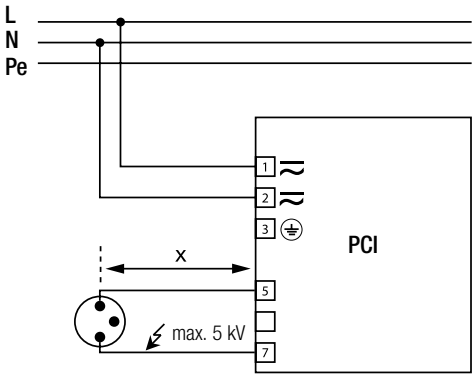
PCI PRO C021 + PCI PRO C521



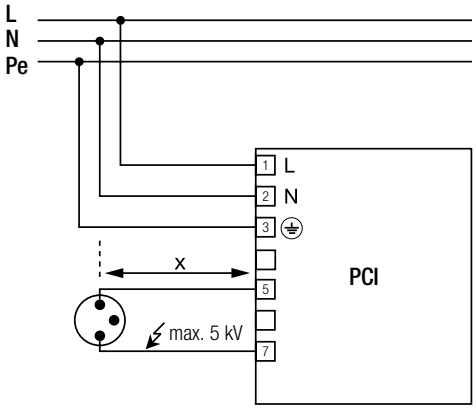
PCI TOP + TEC

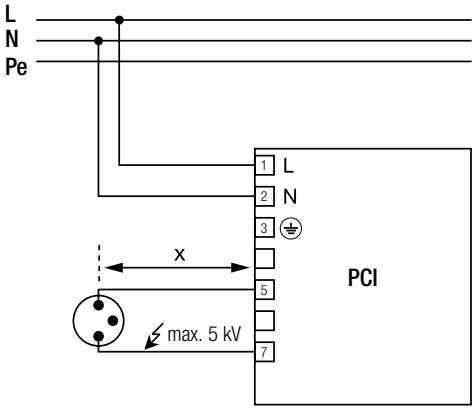
PCI TOP C011 + PCI TEC C011 – built-in applications



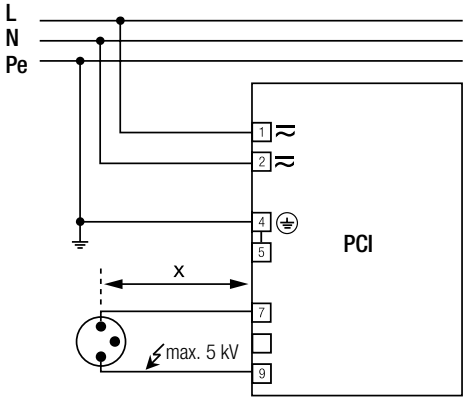


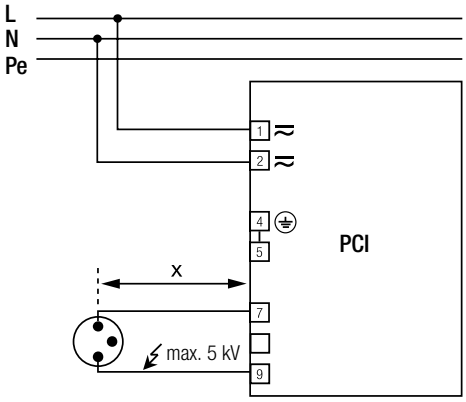
PCI TOP PKL





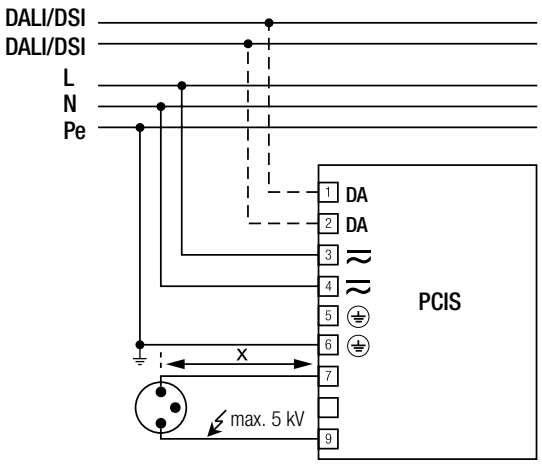
PCI TOP C021 – remote applications



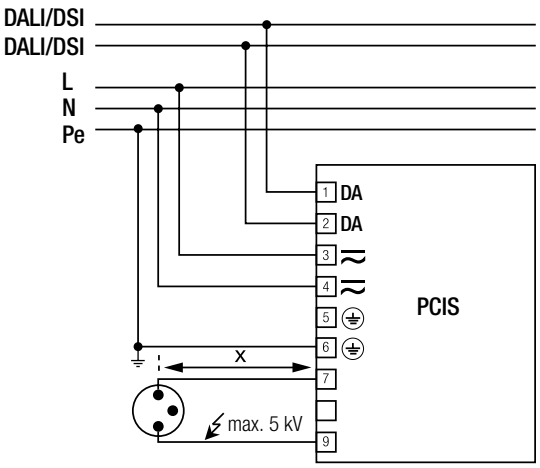


PCIS, PCI, PCS outdoor FOX + DIM

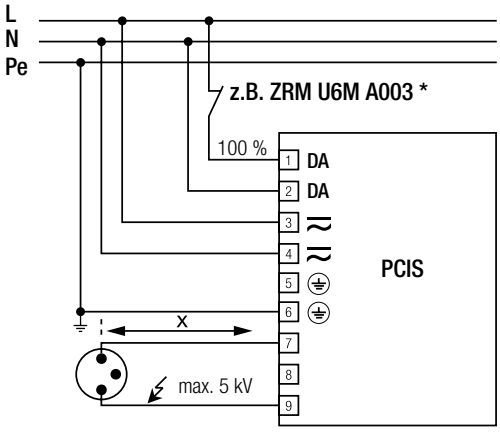
PCIS outdoor FOX B011



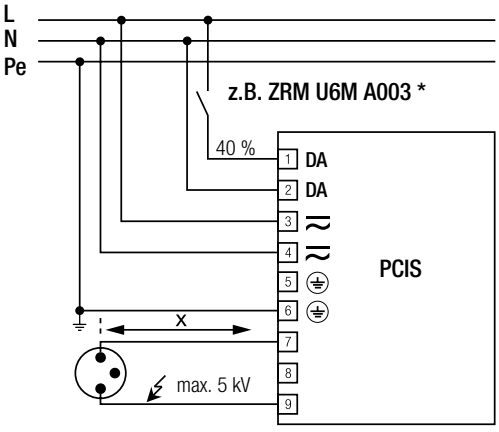
PCIS outdoor DIM B011 – DALI/DSI operation



PCIS outdoor DIM B011 – stepDIM operation, max. level



PCIS outdoor DIM B011 – stepDIM operation, min. level



* ZRM U6M A003 see data sheet

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Digital dimming
TE one4all sc Page 378
TE one4all cc Page 380

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Product / function matrix

Portfolio		TE speedy	TE VIPER	TE BASIC
High functionality	Wattage range	20 – 105 VA	20 – 105 VA	20 – 60 VA
	SELV	yes	yes	yes
	Mains voltage	230 – 240 V 50/60 Hz	230 – 240 V 50/60 Hz	220 – 240 V 50/60 Hz
	For use in emergency lighting systems (EN 50172)			
	Soft start	yes	yes	
	Constant output voltage			
High level of safety	Intelligent Voltage Guard for constantly checking the mains voltage			
	Short-circuit shutdown feature with automatic restart	yes	yes	yes
	Overtemperature protection	yes	yes	
	Overload protection	yes	yes	yes
	Protection class	II	II	II
	Type of protection	IP20	IP20	IP20
Efficient dimming	Leading-edge and trailing-edge phase dimmers	yes	yes	yes
	switchDIM			
	corridorFUNCTION			
	Digital interface DSI / DALI			
High degree of flexibility	Built-in version			yes
	Surface-mounted version	yes	yes	
	Double-sided terminals		yes	
	Single-sided terminals	yes		yes
High quality	Approval marks	CE	CE	CE cec
	Guarantee	5 years	3 years	3 years

Portfolio		TE 0105	TE one4all sc	TE one4all cc
High functionality	Wattage range	35 – 105 VA	20 – 150 VA	20 – 105 VA
	SELV	yes	yes	yes
	Mains voltage	230 – 240 V 0/50/60 Hz	230 – 240 V 0/50/60 Hz	230 – 240 V 0/50/60 Hz
	For use in emergency lighting systems (EN 50172)		yes	yes
	Soft start	yes	yes	yes
	Constant output voltage	yes	yes	yes
High level of safety	Intelligent Voltage Guard for constantly checking the mains voltage		yes	
	Short-circuit shutdown feature with automatic restart	yes	yes	yes
	Overtemperature protection	yes	yes	yes
	Overload protection	yes	yes	yes
	Protection class	II	II	II
	Type of protection	IP20	IP20	IP20
Efficient dimming	Leading-edge and trailing-edge phase dimmers	yes		
	switchDIM		yes	yes
	corridorFUNCTION		yes	yes
	Digital interface DSI / DALI		yes	yes
High degree of flexibility	Built-in version			yes
	Surface-mounted version	yes	yes	
	Double-sided terminals	yes	yes	yes
	Single-sided terminals			
High quality	Approval marks	EAC CE	EAC CE	EAC CE
	Guarantee	5 years	5 years	5 years

Halogen transformers



TE speedy

Tridonic electronic transformers are characterised above all by excellent economic efficiency, exceptional lighting comfort and high reliability. This diverse product range offers the best way of integrating low-voltage halogen lamps in lighting solutions easily. Task-specific control ranges from digital using a DALI or DSI interface, leading-edge and trailing-edge phase dimmers and momentary-action switch operation using switchDIM.

Optimal lamp operation
Electronic transformers operate lamps with high-frequency voltages in the range from 30 to 40 kHz. The innovative electronic system with switch-on current limiting, soft-starting and a constant non-load dependent output voltage over the entire output range ensures optimum lamp operation and hence long lamp service life.

In the case of the digital transformers, a unique circuit concept stabilises the output voltage regardless of the input voltage. The ASIC is the core of the patented circuitry and ensures optimised, low-loss control of the power circuitry and all protective and monitoring functions in the event of overloads, overtemperature and short circuits.

Thanks to high-quality components, intelligent circuit design and extensive inspection and test programs at rated operating conditions, Tridonic TE transformers achieve an average life of 50,000 hours with a failure probability of less than 10 %, i.e. an average failure rate of 0.2 % per 1,000 hours of operation.

These features ensure that lighting installations with low-voltage halogen lamps achieve a high level of economic efficiency.

Constantly high quality
The consistently high quality and reliability of the Tridonic TE transformers is guaranteed by the use of high-grade materials together with manufacturing processes certified to ISO 9001. Fully automatic manufacture ensures constant reproducible quality. All transformers are subjected to 100 % final testing and safety testing.

Standards and approval marks
Electronic transformers from Tridonic are ENEC certified, carry the CE mark and meet all the European as well as international standards relating to safety, operation and electro-magnetic compatibility (EMC).

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”

TE speedy

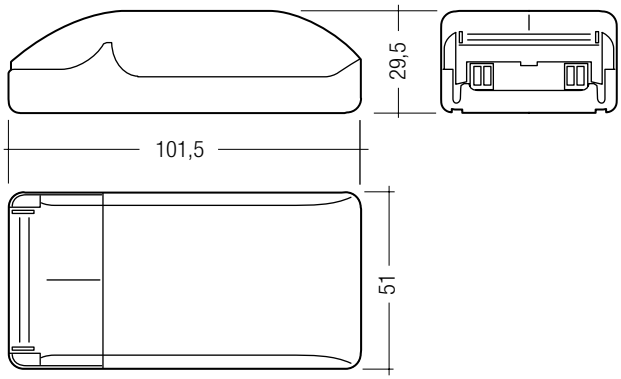
Dimming via leading-edge and trailing-edge phase dimmers

Product description

- Compact dimensions
- Short-circuit shutdown feature with automatic restart
- Overtemperature and overload protection with power regulation
- Large connection compartment
- Double assignment of the terminal possible
- Cage clamp terminals for rigid and flexible wires
- Double terminals on the secondary side
- Rapid installation of cable clamp and terminal cover, no tool required
- Casing: polycarbonate, dark blue/white
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	230 – 240 V
Mains frequency	50 / 60 Hz
Dimming	Leading-edge and trailing-edge phase control
Soft-start	< 1 s
λ	> 0.95
Efficiency	> 93 %
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

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Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
TE-0050 C101	**24034855**	20 pc(s).	1,000 pc(s).	0.101 kg
TE-0070 C101	**24034868**	20 pc(s).	1,000 pc(s).	0.100 kg
TE-0105 C101	**24034874**	20 pc(s).	1,000 pc(s).	0.122 kg

Specific technical data

Type	Article number	Dimensions L x W x H	Lamp power	Rated current (at 230 V, 50 Hz)	Secondary voltage 230 V	Secondary voltage 240 V	Operating frequency	Ambient temperature ta	tc point max.	Secondary terminal
TE-0050 C101	24034855	101.5 x 51 x 29.5 mm	20 – 50 VA	0.215 A	11.5 V	11.7 V	60 kHz	-20 ... +50 °C	85 °C	4-pin
TE-0070 C101	24034868	101.5 x 51 x 29.5 mm	20 – 70 VA	0.300 A	11.5 V	11.7 V	55 kHz	-20 ... +50 °C	85 °C	4-pin
TE-0105 C101	24034874	101.5 x 51 x 29.5 mm	35 – 105 VA	0.450 A	11.5 V	11.7 V	40 kHz	-20 ... +45 °C	85 °C	4-pin

TE VIPER

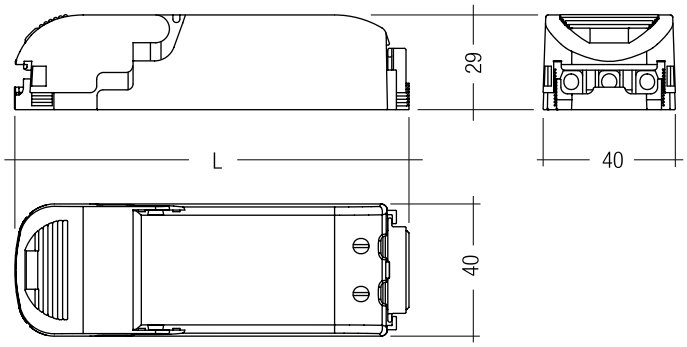
Dimming via leading-edge and trailing-edge phase dimmers

Product description

- Short-circuit shutdown feature with automatic restart
- Compact dimensions
- Overtemperature and overload protection
- Large connection compartment
- With soft start (< 1 s)
- Double assignment of the terminal possible
- Screw terminals for rigid and flexible wires
- Ground terminal for through-wiring
- Rapid installation of cable clamp and terminal cover, no tool required
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	230 – 240 V
Mains frequency	50 / 60 Hz
Dimming	Leading-edge and trailing-edge phase control
Soft-start	< 1 s
λ	> 0.95
Efficiency	> 93 %
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
TE VIPER 60 VA	**22176072**	20 pc(s).	280 pc(s).	3,920 pc(s).	0.102 kg
TE VIPER 105 VA	**22176074**	20 pc(s).	220 pc(s).	3,080 pc(s).	0.127 kg

→ **Product / function matrix**, page 370

→ **Wiring diagrams and installation examples**, page 381

Specific technical data

Type	Article number	Dimensions L x W x H	Lamp power	Rated current (at 230 V, 50 Hz)	Secondary voltage 230 V	Secondary voltage 240 V	Operating frequency	Ambient temperature ta	tc point max.	Secondary terminal	Max. torque terminal block	Terminal diameter on each pole	Stripping length (primary/secondary)	Output terminal
TE VIPER 60 VA	22176072	120 x 40 x 29 mm	20–60 VA	0.26 A	11.3 V	11.6 V	55 kHz	0 ... +50 °C	70 °C	2-pin	0.4 Nm	max. 2.5 mm² min. 1.5 mm²	8 mm	2-pin
TE VIPER 105 VA	22176074	141 x 40 x 29 mm	35–105 VA	0.45 A	11.0 V	11.5 V	45 kHz	0 ... +45 °C	85 °C	4-pin	0.4 Nm	max. 2.5 mm² min. 1.5 mm²	8 mm	4-pin

TE VIPER, with cable

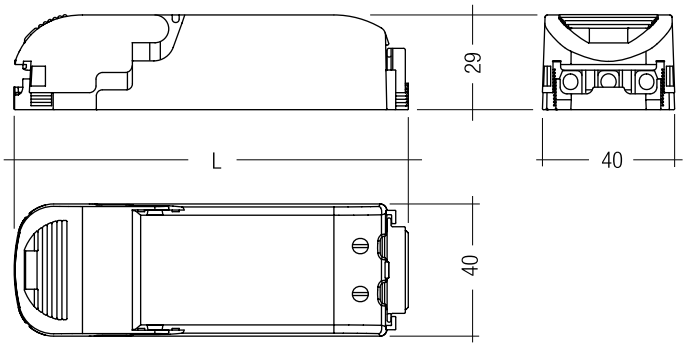
Dimming via leading-edge and trailing-edge phase dimmers

Product description

- Short-circuit shutdown feature with automatic restart
- Compact dimensions
- Overtemperature and overload protection
- Large connection compartment
- With soft start (< 1 s)
- Double assignment of the terminal possible
- Screw terminals for rigid and flexible wires
- Ground terminal for through-wiring
- Cable, secondary: silicon insulated 60 – 180 °C, 2 x 1.5 mm², 0.5 m
- Rapid installation of cable clamp and terminal cover, no tool required
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	230 – 240 V
Mains frequency	50 / 60 Hz
Dimming	Leading-edge and trailing-edge phase control
Soft-start	< 1 s
λ	> 0.95
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
VIPER 60 VA	**22176150**	20 pc(s).	220 pc(s).	2,860 pc(s).	0.122 kg
VIPER 105 VA	**22176181**	20 pc(s).	200 pc(s).	2,600 pc(s).	0.148 kg

→

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Specific technical data

Type	Article number	Dimensions L x W x H	Lamp power	Rated current (at 230 V, 50 Hz)	Secondary voltage 230 V	Secondary voltage 240 V	Operating frequency	Ambient temperature ta	tc point max.	Max. torque terminal block	Terminal diameter on each pole	Stripping length (primary/secondary)	Output terminal
VIPER 60 VA	22176150	120 x 40 x 29 mm	20 – 60 VA	0.26 A	11.3 V	11.6 V	55 kHz	0 ... +50 °C	70 °C	0.4 Nm	max. 2.5 mm² min. 1.5 mm²	8 mm	Cable 0.5 m
VIPER 105 VA	22176181	141 x 40 x 29 mm	35 – 105 VA	0.45 A	11.0 V	11.5 V	45 kHz	0 ... +45 °C	85 °C	0.4 Nm	max. 2.5 mm² min. 1.5 mm²	8 mm	Cable 0.5 m

SELVequivalent

TE BASIC

Dimming via leading-edge and trailing-edge phase dimmers

Product description

- Nominal life time of 30,000 h (at ta max. 50 °C with a failure rate ≤ 0.2 % per 1,000 h)
- Compact dimensions
- Screw terminals for rigid and flexible wires
- Inbuilt transformer
- Able to drive any low-voltage lamp on the market up to max. 60 W
- Coloured single packaging (optional)
- Short-circuit shutdown feature with automatic restart
- Overload protection

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

Technical data

Mains voltage range	220 – 240 V
Mains frequency	50 / 60 Hz
Dimming	Leading-edge and trailing-edge phase control
Soft-start	< 1 s
Life time	30,000 h
λ	> 0.95
Efficiency	> 92 %
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

→

Product / function matrix, page 370

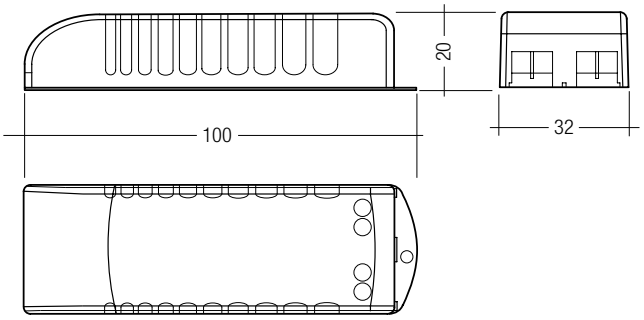
Wiring diagrams and installation examples, page 381



Fig. 1



Fig. 2



Ordering data

Type	Article number	Fig.	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
TE-0060 BASIC 101 fly lead	**22176494**	1	400 pc(s).	3,600 pc(s).	7,200 pc(s).	0.059 kg
TE-0060 BASIC 111 screw terminal	**22176495**	2	400 pc(s).	1,600 pc(s).	8,000 pc(s).	0.051 kg

Specific technical data

Type	Article number	Dimensions L x W x H	Lamp power	Rated current (at 230 V, 50 Hz)	Secondary voltage 230 V	Secondary voltage 240 V	Operating frequency	Ambient temperature ta	tc point max.	Max. torque primary / secondary terminal block	Primary connection	Secondary connection
TE-0060 BASIC 101	22176494	100 x 32 x 20 mm	20 – 60 VA	0.09 – 0.28 A	11.6 V	12 V	45 kHz	0 ... +50 °C	90 °C	–	2 leads AWG 20, length: 60 mm	2 leads AWG 18, length: 140 mm
TE-0060 BASIC 111	22176495	100 x 32 x 20 mm	20 – 60 VA	0.09 – 0.28 A	11.6 V	12 V	45 kHz	0 ... +50 °C	90 °C	0.5 Nm / M2.6	Max. cross section of 1 x 1.5 mm² stranded / solid wire	Max. cross section of 1 x 1.5 mm² stranded / solid wire

TE 0105

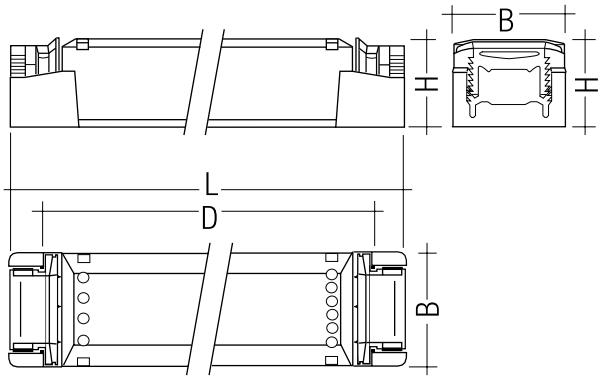
Dimming via leading-edge and trailing-edge phase dimmers

Product description

- Independent device with integrated cable clamp and terminal cover
- Constant output voltage
- Short-circuit shutdown feature with automatic restart
- 6 or 8-pole terminal on secondary side
- Primary-side through-wiring
- Practical individual packaging with assembly instructions
- Rapid installation of the cable clamp, no tools required
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	230 – 240 V
Mains frequency	0 / 50 / 60 Hz
Dimming	Leading-edge and trailing-edge phase control
Soft-start	< 1 s
λ	> 0.95
Efficiency	> 93 %
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

→

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Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
TE-0105 C201	**89899857**	20 pc(s).	1,000 pc(s).	0.158 kg

Specific technical data

Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Rated current (at 230 V, 50 Hz)	Secondary voltage 230 V	Secondary voltage 240 V	Operating frequency	Ambient temperature ta	tc point max.	Secondary terminal	Output terminal
TE-0105 C201	89899857	167 x 42 x 31 mm	143 – 148 mm	35 – 105 VA	0.45 A	11.5 V	11.7 V	40 kHz	-25 ... +45 °C	85 °C	6-pin screw terminal	6-pin screw terminal

TE 0105 one4all sc

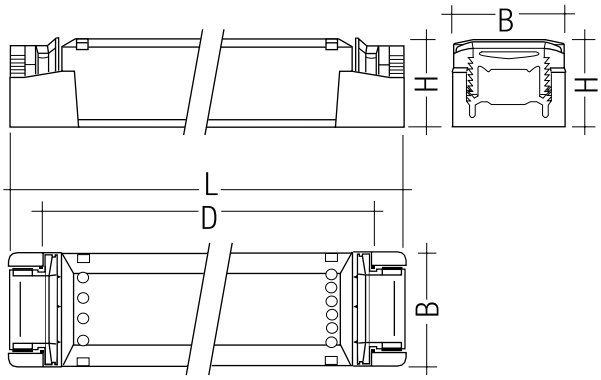
Digital dimmable

Product description

- Independent device with integrated cable clamp and terminal cover
- Dimming range 1 to 100 %
- For emergency lighting systems as per EN 50172
- Short-circuit shutdown feature with automatic restart
- With soft start
- Noise-free precise control via one4all-interface DALI, DSI, switchDIM or corridorFUNCTION
- Fault reporting and programmable operating parameters in DALI and DSI mode
- Intelligent Temperature Guard (overtemperature protection)
- Rapid installation of cable clamp and terminal cover, no tool required
- 6-pole terminal on secondary side
- Cage-type screw terminal
- Practical individual packaging with assembly instructions
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	220 – 240 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Dimming	DSI, DALI, switchDIM – single momentary-action switch
Soft-start	yes
λ	> 0.95
Efficiency	> 95 %
Stand-by power	< 0.5 W
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
TE-0105 one4all sc	**86459198**	20 pc(s).	800 pc(s).	0.184 kg

→

Product / function matrix, page 370

Wiring diagrams and installation examples, page 381

Specific technical data

Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	DC lamp output	Rated current (at 230 V, 50 Hz)	Secondary voltage ①	Operating frequency	Ambient temperature ta	tc point max.	Secondary terminal
TE-0105 one4all sc	86459198	167 x 42 x 31 mm	143 – 148 mm	20 – 105 VA	70 %	0.43 A	11.5 V	33 kHz	-25 ... +55 °C	90 °C	6-pin

① Constant output voltage.

TE 0150 one4all sc

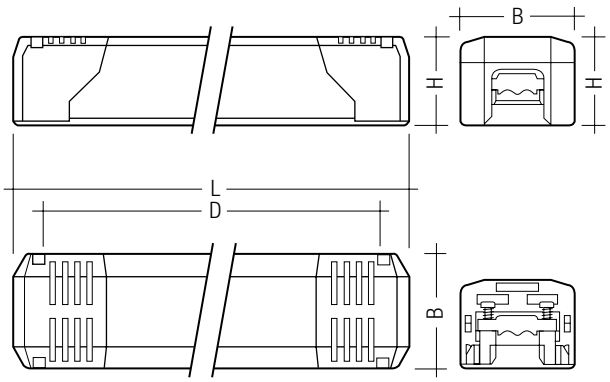
Digital dimmable

Product description

- Independent device with integrated cable clamp and terminal cover
- Dimming range 1 to 100 %
- For emergency lighting systems as per EN 50172
- Short-circuit shutdown feature with automatic restart
- With soft start
- Noise-free precise control via one4all-interface DALI, DSI, switchDIM or corridorFUNCTION
- Fault reporting and programmable operating parameters in DALI and DSI mode
- Overtemperature and overload protection by reducing power and automatic restart
- Load range 50 – 150 VA
- Primary-side through-wiring
- 8-pole terminal on secondary side
- Practical individual packaging with assembly instructions
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	230 – 240 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Dimming	DSI, DALI, switchDIM – single momentary-action switch
Soft-start	yes
λ	> 0.95
Efficiency	> 95 %
Stand-by power	< 1.2 W
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
TE-0150 one4all sc	**86457874**	10 pc(s).	600 pc(s).	0.293 kg

→

Product / function matrix, page 370

Wiring diagrams and installation examples, page 381

Specific technical data

Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	DC lamp output	Rated current (at 230 V, 50 Hz)	Secondary voltage ①	Operating frequency	Ambient temperature ta	tc point max.	Output terminal
TE-0150 one4all sc	86457874	207 x 46 x 40 mm	170 – 174 mm	50 – 150 VA	70 %	0.61 A	11.8 V	33 kHz	-25 ... +50 °C	90 °C	8-pin spring terminal

① Constant output voltage.

TE 0105 one4all cc

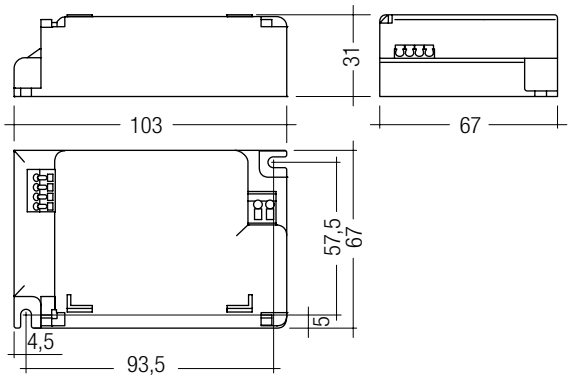
Digital dimmable

Product description

- Dimming range 1 to 100 %
- For emergency lighting systems as per EN 50172
- Compact design for luminaire installation
- Short-circuit shutdown feature with automatic restart
- With soft start
- Noise-free precise control via one4all-interface DALI, DSI, switchDIM or corridorFUNCTION
- Fault reporting and programmable operating parameters in DALI and DSI mode
- Overtemperature and overload protection by reducing power and automatic restart
- 2-pole output terminal
- Not suitable for operation with MR16 LED bulbs

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





Technical data

Mains voltage range	230 – 240 V
DC voltage range	176 – 280 V
Mains frequency	0 / 50 / 60 Hz
Dimming	DSI, DALI, switchDIM – single momentary-action switch
Soft-start	yes
λ	> 0.95
Efficiency	> 95 %
Max. cable length secondary	2 m
Protection class	II
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Weight per pc.
TE-0105 one4all cc	**86456435**	15 pc(s).	900 pc(s).	0.15 kg

Product / function matrix, page 370

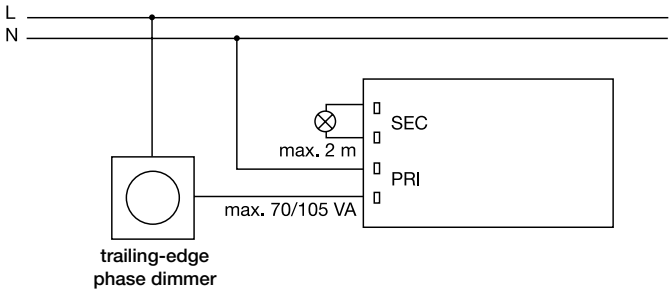
Wiring diagrams and installation examples, page 381

Specific technical data

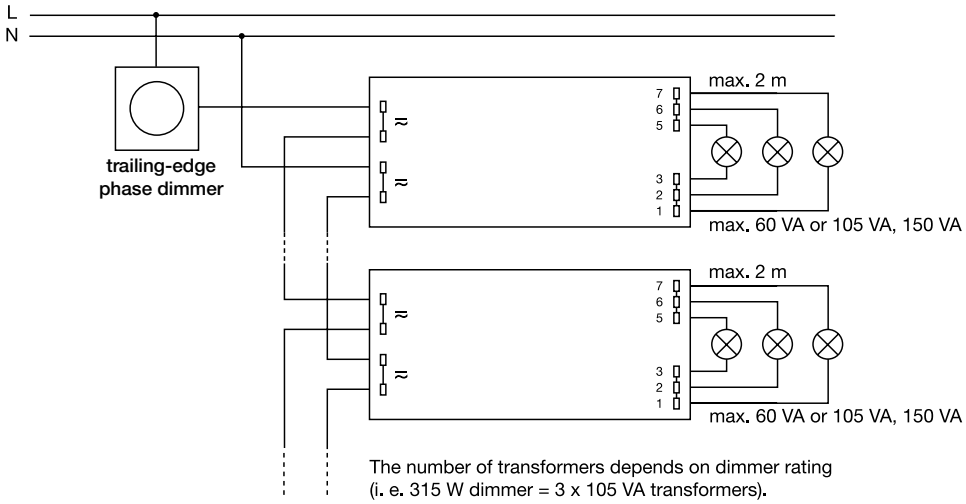
Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	DC lamp output	Rated current (at 230 V, 50 Hz)	Secondary voltage ①	Operating frequency	Ambient temperature ta	tc point max.	Output terminal
TE-0105 one4all cc	86456435	103 x 67 x 31 mm	91.5 – 95.5 mm	20 – 105 VA	70 %	0.4 A	11.8 V	33 kHz	-25 ... +60 °C	90 °C	2-pin

① Constant output voltage.

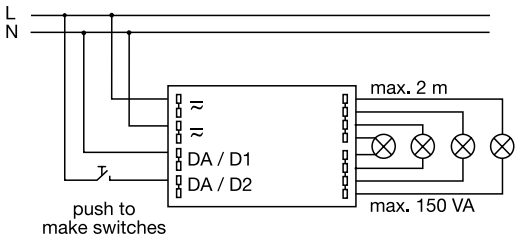
TE speedy / **TE VIPER** / **TE BASIC:** leading-edge and trailing-edge phase dimmer



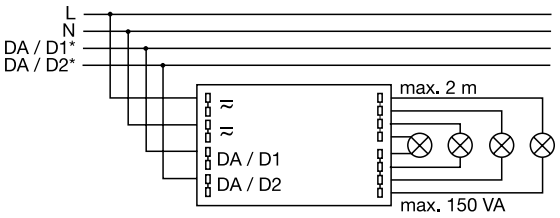
TE 0105: leading-edge and trailing-edge phase dimmer



TE one4all sc: wiring diagram switchDIM

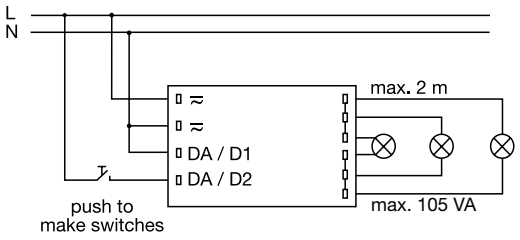


TE one4all sc: wiring diagram DALI / DSI

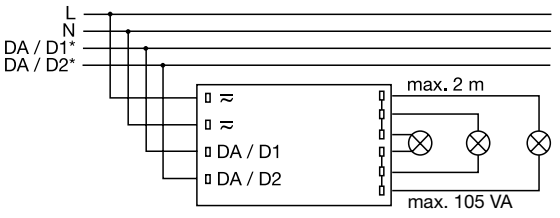


* digital signal DALI or DSI

TE one4all cc: wiring diagram switchDIM



TE one4all cc: wiring diagram DALI / DSI



* digital signal DALI or DSI

Overview
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Instructions for selecting devices and batteries in the BLF table Page 403

Emergency lighting units for fluorescent lamps
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BASIC version
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EM MINI BASIC, 220 – 240 V 50/60 Hz Page 411
EM T5 BASIC, 220 – 240 V 50/60 Hz Page 413
EM BASIC lp G2, 220 – 240 V 50/60 Hz Page 416
SELFTEST version
EM SELFTEST G2, 220 – 240 V 50/60 Hz Page 420
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PC COMBO
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PC T5 COMBO lp, 220 – 240 V 50/60 Hz Page 435
Compact fluorescent lamps
PC TC-L COMBO, 220 – 240 V 50/60 Hz Page 441
PC CFL COMBO, 220 – 240 V 50/60 Hz Page 444
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Emergency lighting units for LED
EM converterLED
EM converterLED BASIC 50 V Page 452
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EM powerLED

Combined emergency lighting units LED 1 – 4 W

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EM powerLED BASIC 4 W Page 482
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Combined emergency lighting units LED 15 – 50 W

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EM powerLED 50 W CPS 4x300/350 mA Page 491
EM powerLED BASIC 15 W CLE Page 492
EM powerLED 15 W CLE CPS Page 494

TALEXX emergency lighting modules

EM LED light sources

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TALEXXmodule EM-ER 004 Page 497
TALEXXmodule EM-ES 08/10/12 Page 498
TALEXXmodule EM-ES 08/10/12 Mk2 Page 500

EM Controls

Emergency lighting control systems

DALI x/e-touchPANEL 02 Page 502

Batteries

Nickel-Cadmium cells (NiCd)

NiCd Accus 1.6 – 4.5 Ah for 55 °C Page 503
NiCd Accus 4.0 Ah for 50 °C Page 505
NiCd Battery pack 1.6 – 4.5 Ah for 55 °C Page 506

Nickel-Metal Hydride cells (NiMH)

NiMH Accus 2.0 – 4.0 Ah for 45 – 55 °C Page 507

Product overview



EM BASIC

Lamp types: T5, T8, TC-DD, TC-L, TC-SEL, TC-DEL, TC-TEL

Emergency lighting unit for manual testing:
- For linear and compact fluorescent lamps
- 1 or 3 h rated operating time
- Small dimensions (28 x 39 mm cross-section)
- 5-pole technology
- NiCd batteries



EM MINI BASIC

Lamp types: TC-DD, TC-F, TC-DEL, TC-TEL, T5c

Emergency lighting unit for manual testing:
- For compact fluorescent lamps
- 3 h rated operating time
- Small dimensions (28 x 40 mm cross-section, 150 mm length)
- 5-pole technology
- NiCd and NiMH batteries



EM T5 BASIC

Lamp type: T5

Emergency lighting unit for manual testing:
- For T5 linear lamps
- 1 or 3 h rated operating time
- Low profile casing (21 x 30 mm cross-section)
- 5-pole technology
- NiCd and NiMH batteries



EM BASIC lp G2

Lamp types: T5, T8, TC-DD, TC-L, TC-F, TC-SEL, TC-DEL, TC-TEL, T5c

Emergency lighting unit for manual testing:
- For linear and compact fluorescent lamps
- 1 or 3 h rated operating time
- Low profile casing (21 x 30 mm cross-section)
- 5-pole technology
- NiCd and NiMH batteries



EM SELFTEST G2

Lamp types: T5, T8, TC-DD, TC-L, TC-F, TC-SEL, TC-DEL, TC-TEL, T5c

Emergency lighting supply unit with self-test function:
- For linear and compact fluorescent lamps
- 1 or 3 h rated operating time
- Low profile casing (21 x 30 mm cross-section)
- 5-pole technology
- Self-test: battery, lamp, charge status
- NiCd and NiMH batteries



EM PRO G2

Lamp types: T5, T8, TC-DD, TC-L, TC-F, TC-SEL, TC-DEL, TC-TEL, T5c

Emergency lighting supply unit with DALI interface and automatic test function:
- For linear and compact fluorescent lamps
- 1 or 3 h rated operating time
- Low profile casing (21 x 30 mm cross-section)
- 5-pole technology
- Tests: battery, lamp, charge status
- NiCd and NiMH batteries

Product overview



PC COMBO
Lamp types: T5, T8, TC-L

Combination of electronic ballast and emergency lighting unit:
- For manual testing of the emergency lighting function
- For T5/T8 fluorescent lamps and TC-L compact fluorescent lamps
- Simple wiring
- 1 or 3 h rated operating time
- NiCd and NiMH batteries



PC T5 COMBO lp
Lamp type: T5

Combination of electronic ballast and emergency lighting unit:
- For manual testing of the emergency lighting function
- For T5 fluorescent lamps
- Low profile casing (21 x 30 mm cross-section)
- Simple wiring
- 1 or 3 h rated operating time
- NiCd and NiMH batteries



PC CFL COMBO
Lamp types: TC-DD, TC-DEL, TC-TEL

Combination of electronic ballast and emergency lighting unit:
- For manual testing of the emergency lighting function
- For compact fluorescent lamps
- Simple wiring
- IDC (insulation displacement connection)
- 1 or 3 h rated operating time
- NiCd and NiMH batteries



PC CFL E COMBO
Lamp types: 28 W TC-DD

Combination of electronic ballast and emergency lighting unit:
- For manual testing of the emergency lighting function
- For 28 W TC-DD compact fluorescent lamps
- Simple wiring
- Plug-in terminal
- 3 h rated operating time
- NiCd batteries

Product overview



EM converterLED BASIC
Lamp types: LED

LED emergency lighting control gear 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 control gears
- NiCd or NiMH batteries



EM powerLED BASIC 1 – 4 W
Lamp types: LED

LED emergency lighting supply unit 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 control gear with selftest 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 control gears
- NiCd or NiMH batteries



EM powerLED SELFTEST 1 – 4 W
Lamp types: LED

LED emergency lighting supply unit 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 control gear 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 control gears
- NiCd or NiMH batteries



EM powerLED PRO EZ-3 1 – 4 W
Lamp types: LED

LED emergency lighting supply unit 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 supply unit 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 50 W 4x300/350 mA
Lamp types: LED

Control gear for LED for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting:
- Constant current LED control gear 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

Control gear for LED for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting:
- Constant current LED control gear with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated 1 W emergency lighting unit for stand-by operation
- 3 h rated duration selectable with plug (duration link)
- NiCd or NiMH batteries



EM powerLED 15 W CLE CPS
Lamp types: LED

Control gear for LED for mains operation with integrated Simple CORRIDOR FUNCTION (CF):
- Constant current LED control gear with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- For use in central battery systems

Product overview



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 units:
- 2 DALI circuits for 60 emergency lighting units 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 units:
- 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 units:
- 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 units:
- 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 units:
- 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 INVERTER	EM BASIC	●	●		●		●					●		●	●	●			
	EM MINI BASIC	●	●		●		●					●		●	●	●			
	EM T5 BASIC	●	●		●		●					●		●	●	●			
	EM BASIC Ip G2	●	●		●		●					●		●	●	●			
	EM SELFTEST G2	●	●		●		●				●	●		●	●	●			
	EM PRO G2	●	●		●		●				●	●		●	●	●		●	●
PC COMBO	PC COMBO	●	●	●	●		●					●		●	●	●			
	PC T5 COMBO Ip	●	●	●	●		●					●		●	●	●			
	PC TC-L COMBO	●	●	●	●		●					●		●	●	●			
	PC CFL COMBO	●	●	●	●		●					●		●	●	●			
	PC CFL E COMBO	●	●	●	●		●					●		●	●	●			
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 50 W 4x300/350 mA	●	●		●	●		●				●		●	●	●			
	EM powerLED 50 W CPS 4x300/350 mA	●	●			●		●				●		●	●	●			
	EM powerLED BASIC 15 W CLE	●	●		●	●		●				●		●	●	●			
	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		●																

Lamp matrix EM INVERTER

		BASIC				SELFTEST	PRO
Lamp	Wattage	EM BASIC	EM MINI BASIC	EM T5 BASIC	EM BASIC lp G2	EM SELFTEST G2	EM PRO G2
T5	4 W	●					
	6 W	●			●	●	●
	8 W	●			●	●	●
	13 W	●			●	●	●
	14 W	●		●	●	●	●
	21 W	●		●	●	●	●
	24 W	●		●	●	●	●
	28 W	●		●	●	●	●
	35 W			●	●	●	●
	39 W			●	●	●	●
	49 W			●	●	●	●
	54 W			●	●	●	●
	80 W			●	●	●	●
T8	15 W				●	●	●
	18 W	●			●	●	●
	30 W	●			●	●	●
	36 W	●			●	●	●
	38 W				●	●	●
	58 W	●			●	●	●
	70 W	●			●	●	●

The latest lamp matrix incl. additional approvals for other lamp types can be downloaded from the internet at:
www.tridonic.com, “Technical Data” menu, “Lamp Matrix” submenu

Lamp matrix EM INVERTER

		BASIC				SELFTEST	PRO
Lamp	Wattage	EM BASIC	EM MINI BASIC	EM T5 BASIC	EM BASIC lp G2	EM SELFTEST G2	EM PRO G2
TC-L 	18 W	●			●	●	●
	24 W	●			●	●	●
	34 W	●					
	36 W	●			●	●	●
	40 W	●			●	●	●
	55 W	●			●	●	●
TC-F 	18 W						
	24 W						
	36 W		●				
TC-SEL 	5 W	●					
	7 W	●			●	●	●
	9 W	●			●	●	●
	11 W	●			●	●	●
TC-DEL 	10 W	●			●	●	●
	13 W	●			●	●	●
	18 W	●	●		●	●	●
	26 W	●	●		●	●	●
TC-TEL 	13 W	●			●	●	●
	18 W	●	●		●	●	●
	26 W	●	●		●	●	●
	32 W	●			●	●	●
	42 W	●			●	●	●
	57 W				●	●	●
T5-Circline 	22 W		●		●	●	●
	40 W				●	●	●
	55 W				●	●	●
TC-DD 	10 W	●			●	●	●
	16 W	●			●	●	●
	21 W	●			●	●	●
	28 W	●	●		●	●	●
	38 W	●	●		●	●	●
	55 W	●			●	●	●

The latest lamp matrix incl. additional approvals for other lamp types can be downloaded from the internet at:
www.tridonic.com, “Technical Data” menu, “Lamp Matrix” submenu

Lamp matrix PC COMBO

		BASIC				
Lamp	Wattage	PC COMBO	PC T5 COMBO lp	PC TCL COMBO	PC CFL COMBO	PC CFL E COMBO
T5	14 W	●	●			
	21 W		●			
	24 W	●	●			
	28 W		●			
	35 W		●			
	39 W		●			
	49 W		●			
	54 W		●			
	80 W		●			
T8 	15 W					
	18 W	●				
	30 W					
	36 W	●				
	38 W					
	58 W	●				
	70 W					
TC-L 	36 W			●	●	
	40 W			●		
	55 W			●		
TC-DEL 	18 W				●	
	26 W				●	
TC-TEL 	13 W					
	18 W				●	
	26 W				●	
	32 W				●	
	42 W				●	
TC-DD 	10 W					
	16 W				●	
	21 W					
	28 W				●	●
	38 W				●	●
	55 W					

The latest lamp matrix incl. additional approvals for other lamp types can be downloaded from the internet at:
www.tridonic.com, “Technical Data” menu, “Lamp Matrix” submenu

Emergency lighting units 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 units 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.

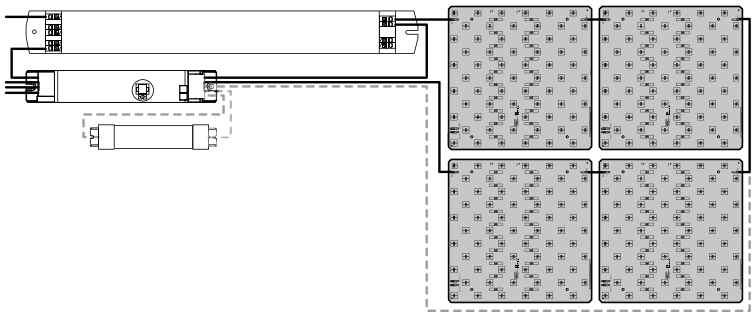
LED emergency lighting
LEDs are becoming more and more important as light sources in emergency lighting systems and also in a whole series of general illumination applications. Tridonic's expertise and powers of innovation in developing future-roof solutions are playing a major role here.

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:

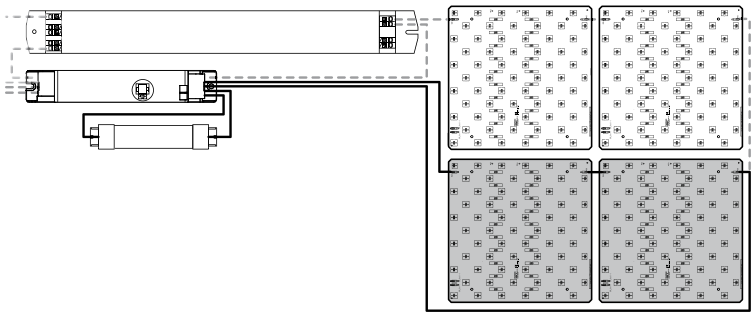
- **A lean and transparent product range for maximum flexibility**
  Thanks to power regulation in emergency mode, all the EM converterLED devices provide maximum light output within the required emergency mode period (1 or 3 hours).

  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 converters and LED light modules.

In normal operation all the connected modules are operated by the mains powered control gear.



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 light sources and converters.

- **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.

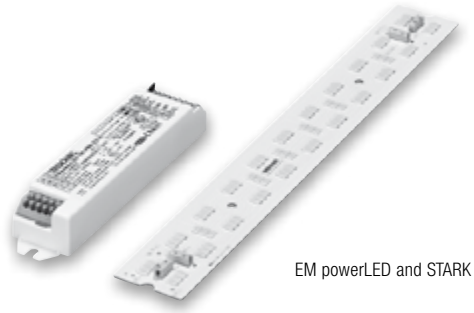
  Version EM converterLED SELFTEST: Has a decentralised self-test function in accordance with IEC 62034, the international standard for automatically tested emergency lighting. Typically the test results are displayed at the luminaire; the test results must be manually documented.

  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.

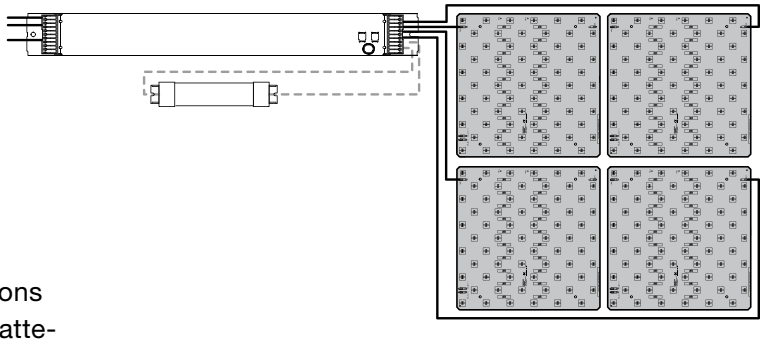
EM powerLED BASIC 50 W 4x300/4x350 mA

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.

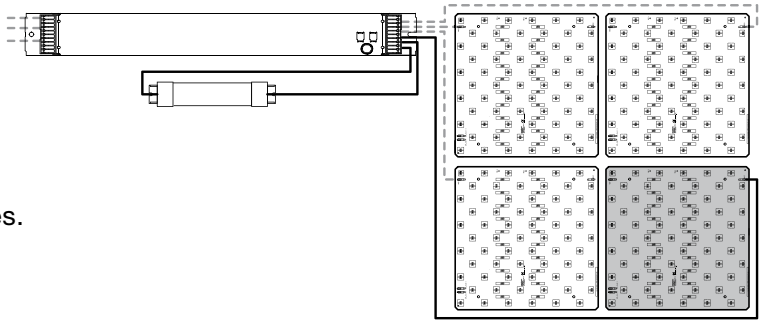
The combined 4-channel system makes it easy to wire the luminaires using four LLE or four QLE modules (as replacements for rectangular 4x18 W FL luminaires – with minimal space requirements and at an optimum price/performance ratio.

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 control gear.



In emergency mode a LED module is operated from the battery.

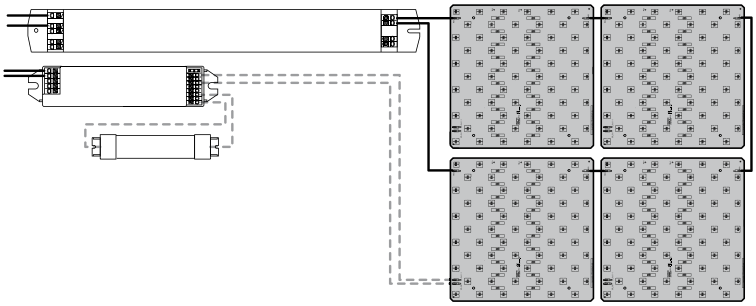


To offer the same functions for mixed lighting installations with or without batteries the EM powerLED 50 W CPS 4x300/4x350 mA device has been added to the portfolio as a converter for mains operation. The CPS version is compatible with standard central battery systems.

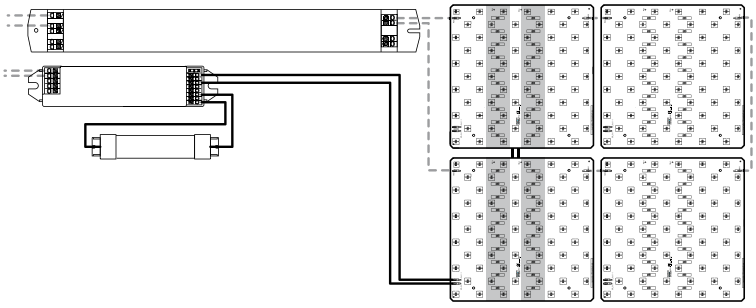
Emergency mode with separate integrated emergency LEDs

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 drivers. The LEDs for general illumination are operated from a standard converter.

In normal operation all the connected modules are operated by the mains powered control gear.



In emergency mode the separate integrated emergency lighting LEDs are operated by EM powerLED. Normal mode and emergency mode are provided as separate circuits.



Conventional emergency lighting
The range comprises EM BASIC, PC COMBO, EM SELFTEST, EM PRO and EM powerLED units, covering everything from the simple to the highly intelligent, and from low-cost units to high-end solutions.


EM PRO G2

Properties for greater safety
Electrode heating, “Boost Start” and an optimised ballast-lumen factor in the emergency lighting units from Tridonic ensure optimum lamp function in emergency lighting mode. In addition, five-pole technology ensures compatibility, safety and reliability with all standard control gears. Four relay poles switch the lamp, the fifth relay pole guarantees delayed re-connection of the control gear to the mains power supply when this returns.

This means the units are compatible with digital dimmable and non-dimmable electronic and conventional control gear.

The units can be used in permanent or stand-by mode. In other words, the emergency lighting units together with the ECG or CCG are either responsible for normal operation of the lamp or – if directly connected – just emergency lighting operation. The relevant versions guarantee emergency lighting for 1, 2 or 3 hours of rated output.

Long equipment life
Thanks to their high-quality components, intelligent circuit design and extensive testing under rated conditions, emergency lighting units from Tridonic achieve an average life of 50,000 hours – with an average failure rate of 0.2 % per 1,000 hours of operation.

Cost-effective emergency lighting
The EM BASIC units have been designed for cost-effective emergency lighting systems in which all the testing and monitoring algorithms are to be performed manually. This simple solution covers the entire range of T5, T8 and compact fluorescent lamps.

Combined emergency units
PC COMBO’s combine standard control gear and emergency lighting unit in one device. This greatly simplifies the wiring and installation of emergency luminaires. The one to four-lamp versions of PC COMBO for T8 and T5 fluorescent lamps provide a high degree of flexibility.

Simplified testing
The EM SELFTEST emergency lighting unit with its automatic testing algorithms offers intelligence in an extremely small format. At just 21 mm high, the unit is compatible with T5 control gear. The perfectly matched range of units is designed for tubular or compact fluorescent lamps from 4 to 80 W.

In self-test mode the module uses a light-emitting diode to signal its operating status. Green means that the emergency lighting system is operating correctly. A red flashing LED indicates faulty batteries and a permanent red light indicates a lamp fault.

The test functions supported by the EM SELFTEST emergency lighting unit are continual monitoring, a weekly function test and an annual service life test. In charging mode both the charging conditions and the static battery stats are monitored.

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 units

Individually addressable emergency lighting units have a certain level of “intelligence”. In these cases, the fault reporting function provides more information than simply that the lamp, control gear 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 units, 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 units 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 control gear for which lamp? The latest lamp matrix with approved lamps is available on the internet at: www.tridonic.com, menu “Technical data”, submenu “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”

Instructions for selecting devices and batteries

Ballast Lumen Factor (BLF) in %

EM SELFTEST for linear lamps, 3 or 1 h

	Duration	3 h			Standard 1 h ③			High Output 1 h		
	Cells	4 cells	5 cells	6 cells	4 cells	5 cells ⑤	6 cells	4 cells	5 cells	6 cells
	Type	EM 34 ST	EM 35 ST	EM 36 ST	EM 14 ST	EM 15 ST	EM 16 ST	EM 14 HO ST	EM 15 HO ST	EM 16 HO ST
	Article no.	89899680	89899681	89899682	89899683	89899684	89899685	89899686	89899687	89899688
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time								
T5	6 W	39			39			70		
	8 W	40			40		②	68		
	13 W	24			24			55		
T5 FH	14 W	24			24			47		
①	21 W		18			18			43	
	28 W			15			15			39
	35 W			11			11			30
T5 FQ	24 W	13.5			13.5			29		
	39 W			8.2			8.2			30
	49 W			6.7			6.7			20
	54 W			5.3			5.3			23
	80 W			4.6			4.6			14
T8	15 W	18			18			36		
	18 W	18			18			36		
	30 W	11			11			24		
	36 W	9.5			9.5			20		
	38 W		12			12				
	58 W		7.5			7.5			17	
	70 W			4.5			4.5			

Technology and capacity	Design	Number of cells	Type	Article number	Assignable batteries								
NiCd 1.6 Ah Cs-cells	Stick	4	Accu-NiCd C 4A	89899692				•					
	Side by side	4	Accu-NiCd C 4B	89899693				•					
	Stick + Stick	2 + 2	Accu-NiCd C 4C ⑤	89899694				•					
	Stick	5	Accu-NiCd C 5A	89899695					●	④			
	Side by side	5	Accu-NiCd C 5B	89899696					●				
	Stick + Stick	3 + 2	Accu-NiCd C 5C	89899697					●				
	Stick	6	Accu-NiCd C 6A	89899698						•			
	Stick + Stick	3 + 3	Accu-NiCd C 6C	89899699						•			
NiCd 4 Ah D-cells	Stick	4	Accu-NiCd 4A 55	89800089	•						•		
	Side by side	4	Accu-NiCd 4B	89895977	•						•		
	Stick + Stick	2 + 2	Accu-NiCd 4C	89895978	•						•		
	Stick	5	Accu-NiCd 5A	89895973		•						•	
	Stick + Stick	3 + 2	Accu-NiCd 5C 55	89800090		•						•	
	Stick + Stick	3 + 3	Accu-NiCd 6C	89895963			•						•
NiMH 2 Ah Cs-cells	Stick	4	Accu-NiMH C 4A ⑤	89899700				•					
	Stick	5	Accu-NiMH C 5A	89899703					●	④			
	Stick	6	Accu-NiMH C 6A	89899706						•			
	Stick + Stick	3 + 3	Accu-NiMH C 6C	89899707						•			
NiMH 4 Ah Cs-cells ①	Stick	4	Accu-NiMH 4 Ah C 4A	89899850	•						•		
	Stick	5	Accu-NiMH 4 Ah C 5A	89899851		•						•	
	Stick	6	Accu-NiMH 4 Ah C 6A	89899852			•						•
	Stick + Stick	3 + 3	Accu-NiMH 4 Ah C 6C	89899853			•						•

T5 T8 TC-DEL TC-TEL TC-L TC-DD

EM BASIC, 230 – 240 V 50/60 Hz

BASIC version

Product description

- Emergency lighting supply unit for manual testing
- For linear and compact fluorescent lamps
- Small dimensions (28 x 39 mm cross-section)

Properties

- 1 or 3 h rated duration
- Compatible with all electronic ballasts (dimmable and non-dimmable)
- Can also be used in combination with conventional magnetic ballasts
- 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- Optimised AC output voltage for TC-DD and TC-L lamps
- Optimised DC output voltage for T8 lamps
- Cathode heating adapted for compact lamps
- Switchover relay with high-current contacts
- IDC (insulation displacement connection)
- Green charge status display LED
- Checking the emergency lighting function by interrupting the unswitched phase
- Optional test switch
- Deep discharge protection
- Battery connection, short-circuit protected (not reversible)
- Polarity reversal protection for battery

Batteries

- High-temperature cells
- NiCd batteries
- D, Cs or 7/5 Cs cells
- Blade terminals for simple connection

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

→

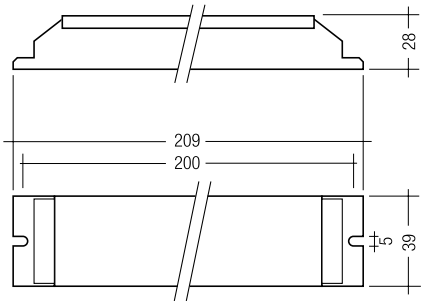
Standards, page 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet





Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Mains current	0.04 A
Rated power	7 W
Battery charging time	24 h
Discharge current 1 h Cs cells	1.1 A
Discharge current 1 h D cells	2.25 A
Discharge current 3 h	1.1 A
Charge current Cs cells	120 mA
Charge current D cells	210 mA
Leakage current (PE)	0.5 mA
Ambient temperature ta	0 ... +50 °C
Max. casing temperature tc	75 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20
Protection class	I

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 h					
EM 33A BASIC	**89818556**	3	25 pc(s).	750 pc(s).	0.337 kg
EM 33B BASIC	**89818655**	3	25 pc(s).	750 pc(s).	0.323 kg
EM 33C BASIC	**89800000**	3	25 pc(s).	750 pc(s).	0.337 kg
EM 34A BASIC	**89818557**	4	25 pc(s).	750 pc(s).	0.337 kg
EM 34B BASIC ①	**89818662**	4	25 pc(s).	750 pc(s).	0.318 kg
EM 34C BASIC	**89800107**	4	25 pc(s).	750 pc(s).	0.318 kg
EM34D BASIC	**89800175**	4	25 pc(s).	750 pc(s).	0.318 kg
EM 35A BASIC	**89818581**	5	25 pc(s).	750 pc(s).	0.337 kg
EM 35B BASIC	**89818667**	5	25 pc(s).	750 pc(s).	0.320 kg
EM 35C BASIC	**89800001**	5	25 pc(s).	750 pc(s).	0.322 kg
EM 35D BASIC	**89899621**	5	25 pc(s).	750 pc(s).	0.337 kg

① EM 34B BASIC also available in 110 V AC version.

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
EM 36A BASIC	**89818654**	6	25 pc(s).	750 pc(s).	0.337 kg
EM 36C BASIC	**89800108**	6	25 pc(s).	750 pc(s).	0.337 kg
EM 36C HO BASIC	**89800109**	6	25 pc(s).	750 pc(s).	0.337 kg
Rated operating time 1 h					
EM 13B BASIC	**89895971**	3	25 pc(s).	750 pc(s).	0.337 kg
EM 13E BASIC	**89899864**	3	25 pc(s).	750 pc(s).	0.337 kg
EM 14B BASIC	**89899611**	4	25 pc(s).	750 pc(s).	0.337 kg
EM 14C BASIC	**89800118**	4	25 pc(s).	750 pc(s).	0.318 kg
EM 16C BASIC	**89800119**	6	25 pc(s).	750 pc(s).	0.337 kg
EM 16C HO BASIC	**89800120**	6	25 pc(s).	750 pc(s).	0.337 kg

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 kg

RoHS

ACCES-SORIES

Status indication green LED CON



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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

EM BASIC for linear lamps, 1 h

	1 h	3 cells		4 cells		6 cells	
	Type	EM 13B BASIC	EM 13E BASIC [1]	EM 14B BASIC	EM 14C BASIC	EM 16C BASIC	EM 16C HO BASIC
	Article no.	89895971	89899864	89899611	89800118	89800119	89800120
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time					
T8	18 W	22.5		25			
	36 W	15.5		18.2			
	58 W		8.9	13.9			
T5	4 W						
	6 W						
	8 W						
	13 W						
	14 W				18.9		
	21 W					14.4	
	24 W				13.5		
	28 W					12.7	
	35 W					12	
	39 W						
	49 W					9.5	
	54 W						6.4
	80 W						4.5

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries					
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•	•				
	Side by side	3	**Accu-NiCd 3B**	**89895976**	•	•				
	Stick	4	**Accu-NiCd 4A 55**	**89800089**			•			
	Side by side	4	**Accu-NiCd 4B**	**89895977**			•			
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**			•			
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**						
NiCd 1.6 Ah Cs cells	Stick	4	**Accu-NiCd C4A**	**89899692**				•		
	Stick + Stick	2 + 2	**Accu-NiCd C4C**	**89899694**				•		
	Side by side	4	**Accu-NiCd C4B**	**89899693**				•		
	Stick	6	**Accu-NiCd C6A**	**89899698**					•	•
	Stick + Stick	3 + 3	**Accu-NiCd C6C**	**89899699**					•	•

Note: Not for use with compact amalgam lamps.
50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[1] For extended application of the lamp please see E 005en_EM BASIC_Extended Application_V1.pdf at www.tridonic.com.

Ballast-Lumen-Faktor (BLF) in %

EM BASIC for linear lamps, 3 h

	3 h	3 cells			4 cells		
	Type	EM 33A BASIC	EM 33B BASIC	EM 33C BASIC	EM 34A BASIC	EM 34B BASIC [1]	EM 34C BASIC
	Article no.	89818556	89818655	89800000	89818557	89818662	89800107
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time					
T5	4 W	25			30		
	6 W	26			32		
	8 W	27			32		
	13 W	25			30		
	14 W	16			21		18.9
	21 W						
	24 W						13.5
	28 W						
	35 W						
	39 W						
	49 W						
	54 W						
	80 W						
T8	18 W		10			12	
	30 W		8.2			11.5	
	36 W		7.4			8.5	
	58 W					7.2	
	70 W						

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries					
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•	•				
	Side by side	3	**Accu-NiCd 3B**	**89895976**	•	•				
	Stick	4	**Accu-NiCd 4A 55**	**89800089**				•	•	•
	Side by side	4	**Accu-NiCd 4B**	**89895977**				•	•	•
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**				•	•	•
	Stick	5	**Accu-NiCd 5A**	**89895973**						
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**						
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**						

Note: Not for use with compact amalgam lamps.
50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[1] For extended application of the lamp please see E 005en_EM BASIC_Extended Application_V1.pdf at www.tridonic.com.

Ballast-Lumen-Faktor (BLF) in %

EM BASIC for linear lamps, 3 h

	3 h	5 cells		6 cells		
	Type	**EM 35A BASIC**	**EM 35B BASIC**	**EM 36A BASIC**	**EM 36C BASIC**	**EM 36C HO BASIC**
	Article no.	**89818581**	**89818667**	**89818654**	**89800108**	**89800109**
Lamp type	Wattage	**BLF in emergency lighting mode in % for rated operating time**				
T5	4 W	37		44		
	6 W	40		48		
	8 W	40		48		
	13 W	37		44		
	14 W	28.5				
	21 W				14.4	
	24 W	19				
	28 W				12.7	
	35 W				12	
	39 W					
	49 W				9.5	
	54 W					6.4
	80 W					4.5
T8	18 W	18	13.2			
	30 W	12.5	12.5			
	36 W	15.3	10			
	58 W		7.3			
	70 W		7			

Technology and capacity	Design	Number of cells	**Type**	**Article no.**	**Assignable batteries**				
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**					
	Side by side	3	**Accu-NiCd 3B**	**89895976**					
	Stick	4	**Accu-NiCd 4A 55**	**89800089**					
	Side by side	4	**Accu-NiCd 4B**	**89895977**					
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**					
	Stick	5	**Accu-NiCd 5A**	**89895973**	•	•			
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**	•	•			
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•	•

Note: Not for use with compact amalgam lamps.
50 °C batteries also available (see seperate datasheet at www.tridonic.com).

Ballast-Lumen-Faktor (BLF) in %

EM BASIC for compact lamps, 3 h

	3 h	3 cells			4 cells		
	Type	EM 33A BASIC	EM 33B BASIC	EM 33C BASIC	EM 34A BASIC	EM 34B BASIC [1]	EM 34D BASIC
	Article no.	89818556	89818655	89800000	89818557	89818662	89800175
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time					
TC-DD	10 W	0.6			30		
	16 W	24			24		
	21 W				20		
	28 W				19		
	38 W						
	55 W						
TC-SEL	5 W			20			
	7 W			14			
	9 W			11			
	11 W			16			
TC-DEL	10 W			13			
	13 W			15.4			
	18 W						
	26 W		6.7			8.5	
TC-TEL	13 W			12.3			
	18 W						
	26 W		6.7			7.5	
	32 W						
	42 W						
TC-L	18 W	18			18		
	24 W				17		
	34 W					9 [2]	
	36 W					9 [2]	
	40 W						7.3
	55 W						6

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries					
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•	•	•			
	Side by side	3	**Accu-NiCd 3B**	**89895976**	•	•	•			
	Stick	4	**Accu-NiCd 4A 55**	**89800089**					•	•
	Side by side	4	**Accu-NiCd 4B**	**89895977**					•	•
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**					•	•
	Stick	5	**Accu-NiCd 5A**	**89895973**						
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**						
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**						

Note: Not for use with compact amalgam lamps.
50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[1] For extended application of the lamp please see E 005en_EM BASIC_Extended Application_V1.pdf at www.tridonic.com.

[2] Used only in maintained mode because mercury migration may occur during emergency operation.

Ballast-Lumen-Faktor (BLF) in %

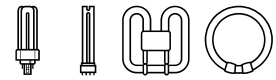
EM BASIC for compact lamps, 3 h

	3 h	5 cells			6 cells
	Type	EM 35A BASIC	EM 35C BASIC	EM 35D BASIC	EM 36A BASIC
	Article no.	89818581	89800001	89899621	89818654
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time			
TC-DD	10 W	39			46
	16 W	31			37
	21 W	25			30
	28 W	21			25
	38 W	15			18
	55 W				14
TC-SEL	5 W				
	7 W				
	9 W				
	11 W				
TC-DEL	10 W				
	13 W				
	18 W		13.4		
	26 W		11.8		
TC-TEL	13 W		15.5		
	18 W		11.8		
	26 W		11		
	32 W			6.7	
	42 W			5.4	
TC-L	18 W	19			22
	24 W	20			24
	34 W	19			22
	36 W	20			18.5
	40 W				
	55 W				

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries			
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**				
	Side by side	3	**Accu-NiCd 3B**	**89895976**				
	Stick	4	**Accu-NiCd 4A 55**	**89800089**				
	Side by side	4	**Accu-NiCd 4B**	**89895977**				
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**				
	Stick	5	**Accu-NiCd 5A**	**89895973**		•	•	
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**		•	•	
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•

Note: Not for use with compact amalgam lamps.
50 °C batteries also available (see seperate datasheet at www.tridonic.com).

RoHS



EM MINI BASIC, 220 – 240 V 50/60 Hz

BASIC version

Product description

- Emergency lighting supply unit for manual testing
- For compact fluorescent lamps
- Small dimensions (28 x 40 mm cross-section, 150 mm length)

Properties

- 3 h rated duration
- Compatible with all electronic ballasts (dimmable and non-dimmable)
- Can also be used in combination with conventional magnetic ballasts
- 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- Switchover relay with high-current contacts
- IDC (insulation displacement connection)
- Green charge status display LED
- Checking the emergency lighting function by interrupting the unswitched phase
- 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
- Blade terminals for simple connection

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

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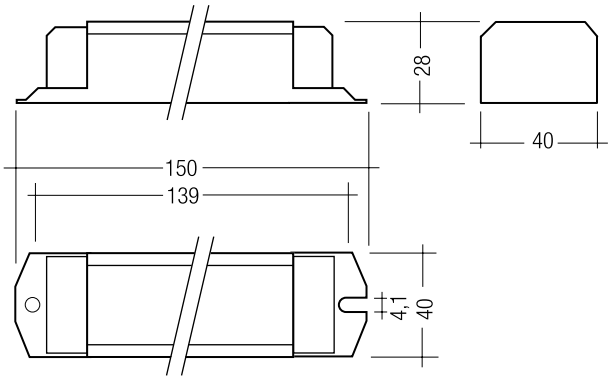
Standards, page 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	0.03 A
Rated power	3.9 W
Battery charging time	24 h
Discharge current	1.1 A
Charge current	210 mA
Leakage current (PE)	0.5 mA
Ambient temperature ta	0 ... +50 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20
Protection class	I

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 h					
EM 33A MINI BASIC	**89899951**	3	25 pc(s).	1,000 pc(s).	0.155 kg
EM 34A MINI BASIC	**89899950**	4	25 pc(s).	1,000 pc(s).	0.155 kg
EM 34C MINI BASIC	**89899952**	4	25 pc(s).	1,000 pc(s).	0.155 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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

EM MINI BASIC for compact lamps, 3 h

	3 h	3 cells	4 cells	
	Type	EM 33A MINI BASIC	EM 34A MINI BASIC	EM 34C MINI BASIC
	Article no.	89899951	89899950	89899952
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time		
TC-DD	28 W	9		
	38 W			6.5
TC-F	36 W		11.5	
TC-DEL	18 W		16.5	
	26 W		13	
TC-TEL	18 W		16.5	
	26 W		13	
T5c	22 W		16	

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries		
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•		
	Side by side	3	**Accu-NiCd 3B**	**89895976**	•		
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•	•
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•	•
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•	•
NiMH 4 Ah Cs cells [1]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**	•		
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**		•	•
Accupack NiCd (high temperature)	Accupack 4 Ah	3	**Pack-NiCd 3D**	**89899672**	•		
	Accupack 4 Ah	4	**Pack-NiCd 4D**	**89899673**		•	•

Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

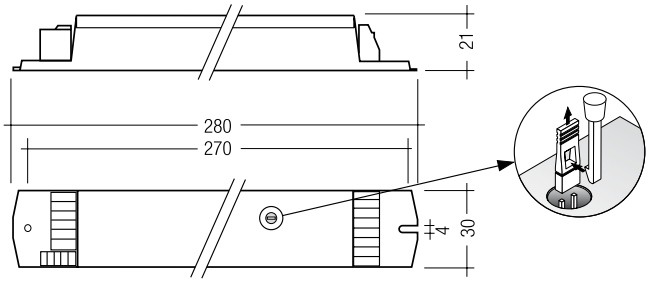
[1] Maximum battery housing temperature 45 °C.

T5

EM T5 BASIC, 220 – 240 V 50/60 Hz

BASIC version





Product description

- Emergency lighting supply unit for manual testing
- For T5 fluorescent lamps
- Low profile casing (21 x 30 mm cross-section)

Properties

- 1 or 3 h rated duration
- Selectable operating time (jumper)
- Compatible with all electronic ballasts (dimmable and non-dimmable)
- 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- High-frequency ac operation of the lamp
- Gentle on the lamp thanks to preheated lamp start
- "Rest mode" function
- Green charge status display LED
- Electronically controlled battery charging
- 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
- Blade terminals for simple connection

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

→

Standards, page 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current 1 h	25 mA
Mains current 3 h	35 mA
Rated power	< 7 W
Overvoltage protection	320 V (for 1 h)
Maximum operating voltage (U-OUT of the ECG)	460 V
Battery charging time	24 h
Discharge current	1.1 A
Charge current 1 h	100 mA
Charge current 3 h	200 mA
Leakage current (PE)	< 0.5 mA
Ambient temperature ta	5 ... +60 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	5 °C
Type of protection	IP20
Protection class	I
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 / 1 h ①					
EM 14/24-4 T5 BASIC	**89899822**	4	25 pc(s).	475 pc(s).	0.197 kg
EM 21/28/49-5 T5 BASIC	**89899823**	5	25 pc(s).	475 pc(s).	0.197 kg
EM 39-5 T5 BASIC	**89899824**	5	25 pc(s).	475 pc(s).	0.197 kg
EM 35-6 T5 BASIC	**89899825**	6	25 pc(s).	475 pc(s).	0.197 kg
EM 54/80-6 T5 BASIC	**89899826**	6	25 pc(s).	475 pc(s).	0.197 kg

① Remove short-circuit connector and select the correct battery to switch to 1-hour operation.

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

EM T5 BASIC for T5 fluorescent lamps, 3 or 1 h

	3 or 1 h	4 cells	5 cells		6 cells	
	Type	EM 14/24-4 T5 BASIC	EM 21/28/49-5 T5 BASIC	EM 39-5 T5 BASIC	EM 35-6 T5 BASIC	EM 54/80-6 T5 BASIC
	Article no.	89899822	89899823	89899824	89899825	89899826
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time				
T5 FH	14 W	21				
	21 W		12			
	28 W		12			
	35 W				13	
T5 FQ	24 W	14				
	39 W			7		
	49 W		7			
	54 W					6.5
	80 W					4.5

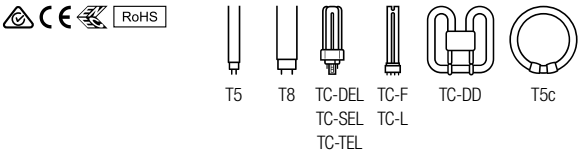
Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries				
NiCd 1.6 Ah Cs cells	Stick	4	**Accu-NiCd C 4A**	**89899692**	•				
	Side by side	4	**Accu-NiCd C 4B**	**89899693**	•				
	Stick + Stick	2 + 2	**Accu-NiCd C 4C**	**89899694**	•				
	Stick	5	**Accu-NiCd C 5A**	**89899695**		•	•		
	Side by side	5	**Accu-NiCd C 5B**	**89899696**		•	•		
	Stick + Stick	3 + 2	**Accu-NiCd C 5C**	**89899697**		•	•		
	Stick	6	**Accu-NiCd C 6A**	**89899698**				•	•
	Stick + Stick	3 + 3	**Accu-NiCd C 6C**	**89899699**				•	•
NiCd 4 Ah D cells	Stick	4	**Accu-NiCd 4A 55**	**89800089**	•				
	Side by side	4	**Accu-NiCd 4B**	**89895977**	•				
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**	•				
	Stick	5	**Accu-NiCd 5A**	**89895973**		•	•		
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**		•	•		
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•	•
NiMH 2 Ah Cs cells	Stick	4	**Accu-NiMH C 4A**	**89899700**	•				
	Stick	5	**Accu-NiMH C 5A**	**89899703**		•	•		
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•	•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•	•
NiMH 4 Ah Cs cells [1]	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**	•				
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**		•	•		
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**				•	•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**				•	•

Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

For 1-hour operation: 1.6 Ah Cs cells NiCd or 2 Ah Cs cells NiMH.

[1] Maximum battery housing temperature 45 °C.



EM BASIC lp G2, 220 – 240 V 50/60 Hz

BASIC version

Product description

- New generation with reduced housing length and integrated duration link
- Separate units for NiCd and NiMH batteries ensure optimum performance
- Emergency lighting supply unit for manual testing
- For linear and compact fluorescent lamps
- Low profile casing (21 x 30 mm cross-section)

Properties

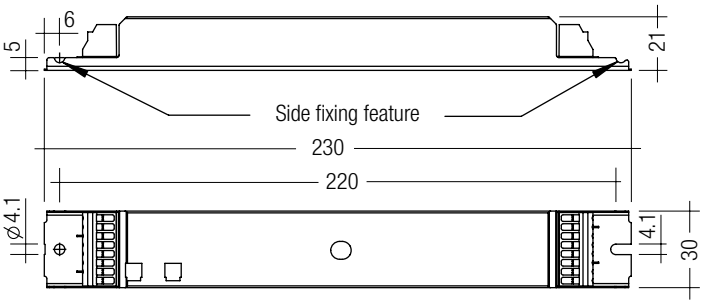
- Non maintained operation
- 1 or 3 h rated duration selectable with jumper
- Compatible with all electronic ballasts (dimmable and non-dimmable)
- 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- High-frequency ac operation of the lamp
- Gentle on the lamp thanks to preheated lamp start and permanent cathode heating in emergency mode
- 5.5 min. boost start for rapid heating of the lamp, more light in the startup phase and optimum lamp life
- Power control technology ensures maximum emergency ballast lumen factors (EBLF) for all lamps
- Green charge status display LED
- Electronic multi-level charge system
- “Rest mode” function
- Deep discharge protection
- Very low energy consumption from the battery after activation of the 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





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	60 mA
Rated power	< 10 W
Overvoltage protection	320 V (for 1 h)
Maximum operating voltage (U-OUT of the ECG)	460 V
Battery charging time 1 h	10 h
Battery charging time 3 h	15 h
Discharge current	1 A
Time to light	1.2 s from detection of emergency event
Leakage current (PE)	0.5 mA
Ambient temperature ta	-5 ... +60 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	-5 °C
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m

Ordering data

Type	Article number	Battery type	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 or 1 h, Standard BLF						
EM 03 BASIC lp G2	**89800199**	NiCd	3	10 pc(s).	700 pc(s).	0.156 kg
EM 04 BASIC lp G2	**89800202**	NiCd	4	10 pc(s).	700 pc(s).	0.156 kg
EM 05 BASIC lp G2	**89800205**	NiCd	5	10 pc(s).	700 pc(s).	0.156 kg
EM 06 BASIC lp G2	**89800208**	NiCd	6	10 pc(s).	700 pc(s).	0.156 kg

→

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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Charge current / Battery charging time		
	Initial charge / duration	Fast recharge / duration	Trickle charge, continuously
Rated operating time 1 h, Standard BLF			
EM 03 BASIC lp G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 04 BASIC lp G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 05 BASIC lp G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 06 BASIC lp G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 03 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 04 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 05 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 06 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
Rated operating time 3 h, Standard BLF			
EM 03 BASIC lp G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 04 BASIC lp G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 05 BASIC lp G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 06 BASIC lp G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 03 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
EM 04 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
EM 05 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
EM 06 BASIC lp NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.

RoHS

ACCES-SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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 CON



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 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

Ballast-Lumen-Faktor (BLF) in %

EM BASIC Ip G2 for linear lamps, 3 or 1 h

	Duration	1/3 h Standard BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 03 BASIC Ip G2	EM 04 BASIC Ip G2	EM 05 BASIC Ip G2	EM 06 BASIC Ip G2	EM 03 BASIC Ip NiMH G2	EM 04 BASIC Ip NiMH G2	EM 05 BASIC Ip NiMH G2	EM 06 BASIC Ip NiMH G2
	Article no.	89800199	89800202	89800205	89800208	89800344	89800345	89800346	89800347
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
T5	6 W								
	8 W	32.4	40.0			32.4	40.0		
	13 W								
ECO T5	13 W		22.0				22.0		
	20 W		15.4				15.4		
	25 W				16.8				16.8
	32 W				13.4				13.4
	45 W				8.1				8.1
	50 W				5.8				5.8
	73 W		15.4		4.1		15.4		4.1
T5 FH	14 W		24.0				24.0		
	21 W			18.0				18.0	
	28 W				15.0				15.0
	35 W				11.0				11.0
T5 FQ	24 W		15.6				15.6		
	39 W				10.0				10.0
	49 W				6.7				6.7
	54 W				5.3				5.3
	80 W				4.2				4.2
T8	15 W		17.0				17.0		
	18 W		18.0				18.0		
	30 W								
	36 W		11.0				11.0		
	38 W								
	58 W			7.5				7.5	
	70 W				4.5				4.5

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells ①②	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 2 Ah Cs cells ①	Stick	3	**Accu-NiMH C 3A**	**89899744**	•				•			
	Stick	4	**Accu-NiMH C 4A**	**89899700**		•				•		
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•				•	
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•				•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•				•
NiMH 4 Ah Cs cells ②	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

① Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

② Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

Ballast-Lumen-Faktor (BLF) in %

EM BASIC lp G2 for compact lamps, 3 or 1 h

	Duration	1/3 h Standard BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 03 BASIC lp G2	EM 04 BASIC lp G2	EM 05 BASIC lp G2	EM 06 BASIC lp G2	EM 03 BASIC lp NiMH G2	EM 04 BASIC lp NiMH G2	EM 05 BASIC lp NiMH G2	EM 06 BASIC lp NiMH G2
	Article no.	89800199	89800202	89800205	89800208	89800344	89800345	89800346	89800347
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
TC-DD	10 W								
	16 W		23.6				23.6		
	21 W		15.4				15.4		
	28 W		13.7				13.7		
	38 W				10.3				10.3
	55 W				5.9				5.9
TC-SEL	7 W								
	9 W	18.3	27.6			18.3	27.6		
	11 W	17.4	31.0			17.4	31.0		
TC-DEL	10 W								
	13 W	18.6	25.6			18.6	25.6		
	18 W		17.0				17.0		
	26 W		14.4				14.4		
TC-TEL [3]	13 W	17.0 / 10.9	25.2 / 17.1			17.0 / 10.9	25.2 / 17.1		
	18 W		17.5 / 14.1	17.8 / 21.0			17.5 / 14.1	17.8 / 21.0	
	26 W [4]		11.5 / 10.0	13.0	14.0		11.5 / 10.0	13.0	14.0
	32 W [4]			14.0 / 5.6	x / 8.0			14.0 / 5.6	x / 8.0
	42 W				7.4 / 7.3				7.4 / 7.3
	57 W								
T5c	22 W		16.9				16.9		
	40 W				7.4				7.4
	55 W				5.1				5.1
TC-F	18 W		18.0				18.0		
	24 W			21.0				21.0	
	36 W			13.0				13.0	
TC-L	18 W		17.4				17.4		
	24 W			17.0				17.0	
	36 W			12.0				12.0	
	40 W			8.8				8.8	
	55 W				5.4				5.4
TC-R	14 W		20.0				20.0		
	17 W		15.0				15.0		

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells [1] [2]	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 2 Ah Cs cells [1]	Stick	3	**Accu-NiMH C 3A**	**89899744**	•				•			
	Stick	4	**Accu-NiMH C 4A**	**89899700**		•				•		
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•				•	
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•				•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•				•
NiMH 4 Ah Cs cells [2]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

[1] Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[2] Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

[3] The first figure is related to non-amalgam lamps, the second figure is realted to amalgam lamps (e.g. 14 / 9.5).

[4] For best performance of 26 and 32 W TC lamps, and especially amalgam filled lamps, we recommend the use of EM 06 BASIC lp G2.

RoHS

T5 T8 TC-DEL TC-SEL TC-TEL TC-F TC-L TC-DD T5c

EM SELFTEST G2, 220 – 240 V 50/60 Hz

SELFTEST version

Product description

- New generation with reduced housing length and integrated duration link
- Separate units for NiCd and NiMH batteries ensure optimum performance
- Emergency lighting supply unit with selftest function
- For linear and compact fluorescent lamps
- Low profile casing (21 x 30 mm cross-section)

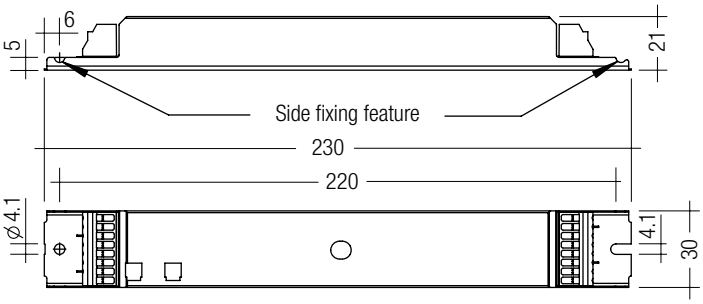
Properties

- Non maintained operation
- Selftest as per IEC 62034
- 1 or 3 h rated duration selectable with jumper
- Compatible with all electronic ballasts (dimmable and non-dimmable)
- 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- High-frequency ac operation of the lamp
- Power control technology ensures maximum emergency ballast lumen factors (EBLF) for all lamps
- Gentle on the lamp thanks to preheated lamp start and permanent cathode heating in emergency mode
- 5.5 min. boost start for rapid heating of the lamp, more light in the startup phase and optimum lamp life
- Standard and high ballast lumen factor for 1-hour types
- Electronic multi-level charge system
- “Rest mode” function
- Automatic commissioning
- Automatic function and duration test at a time of low risk
- Bi-colour status display LED
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Selftest:

- Status of the battery
- Status of the lamp
- Charge condition
- Function test
- Duration test





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	60 mA
Rated power	< 10 W
Overvoltage protection	320 V (for 1 h)
Maximum operating voltage (U-OUT of the ECG)	460 V
Battery charging time 1 h	10 h
Battery charging time 3 h	15 h
Discharge current, Standard BLF	1 A
Discharge current, High Output BLF	–
Time to light	1.2 s from detection of emergency event
Leakage current (PE)	0.5 mA
Ambient temperature ta	-5 ... +60 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	-5 °C
Type of protection	IP20
Rest mode max. number of emergency units	100
Rest mode max. wiring distance	1,000 m

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 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Battery type	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 or 1 h, Standard BLF						
EM 03 ST G2	**89800198**	NiCd	3	10 pc(s).	700 pc(s).	0.156 kg
EM 04 ST G2	**89800201**	NiCd	4	10 pc(s).	700 pc(s).	0.156 kg
EM 05 ST G2	**89800204**	NiCd	5	10 pc(s).	700 pc(s).	0.156 kg
EM 06 ST G2	**89800207**	NiCd	6	10 pc(s).	700 pc(s).	0.156 kg
EM 03 ST NiMH G2	**89800336**	NiMH	3	10 pc(s).	700 pc(s).	0.156 kg
EM 04 ST NiMH G2	**89800337**	NiMH	4	10 pc(s).	700 pc(s).	0.156 kg
EM 05 ST NiMH G2	**89800338**	NiMH	5	10 pc(s).	700 pc(s).	0.156 kg
EM 06 ST NiMH G2	**89800339**	NiMH	6	10 pc(s).	700 pc(s).	0.156 kg
Rated operating time 1 h, High Output						
EM 13 HO ST G2	**89800229**	NiCd	3	10 pc(s).	700 pc(s).	0.156 kg
EM 14 HO ST G2	**89800232**	NiCd	4	10 pc(s).	700 pc(s).	0.156 kg
EM 15 HO ST G2	**89800235**	NiCd	5	10 pc(s).	700 pc(s).	0.156 kg
EM 16 HO ST G2	**89800238**	NiCd	6	10 pc(s).	700 pc(s).	0.156 kg
EM 13 ST HO NiMH G2	**89800340**	NiMH	3	10 pc(s).	700 pc(s).	0.156 kg
EM 14 ST HO NiMH G2	**89800341**	NiMH	4	10 pc(s).	700 pc(s).	0.156 kg
EM 15 ST HO NiMH G2	**89800342**	NiMH	5	10 pc(s).	700 pc(s).	0.156 kg
EM 16 ST HO NiMH G2	**89800343**	NiMH	6	10 pc(s).	700 pc(s).	0.156 kg

Specific technical data

Type	Charge current / Battery charging time		
	Initial charge / duration	Fast recharge / duration	Trickle charge, continuously
Rated operating time 1 h, Standard BLF			
EM 03 ST G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 04 ST G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 05 ST G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 06 ST G2	130 mA / 20 h	210 mA / 10 h	50 mA
EM 03 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 04 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 05 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 06 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
Rated operating time 3 h, Standard BLF			
EM 03 ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 04 ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 05 ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 06 ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 03 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
EM 04 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
EM 05 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
EM 06 ST NiMH G2	130 mA / 20 h	210 mA / 10 h	200 mA / 4 min. – 0 mA / 16 min.
Rated operating time 1h, High Output			
EM 13 HO ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 14 HO ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 15 HO ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 16 HO ST G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 13 ST HO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.
EM 14 ST HO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.
EM 15 ST HO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.
EM 16 ST HO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.

RoHS

ACCES-SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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

Ballast-Lumen-Faktor (BLF) in %

EM SELFTEST G2 for linear lamps, 3 or 1 h

	Duration	1/3 h Standard BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 03 ST G2	EM 04 ST G2	EM 05 ST G2	EM 06 ST G2	EM 03 ST NiMH G2	EM 04 ST NiMH G2	EM 05 ST NiMH G2	EM 06 ST NiMH G2
	Article no.	89800198	89800201	89800204	89800207	89800336	89800337	89800338	89800339
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
T5	6 W								
	8 W	32.4	40.0			32.4	40.0		
	13 W								
ECO T5	13 W		22.0				22.0		
	20 W		15.4				15.4		
	25 W				16.8				16.8
	32 W				13.4				13.4
	45 W				8.1				8.1
	50 W				5.8				5.8
	73 W		15.4		4.1		15.4		4.1
T5 FH	14 W		24.0				24.0		
	21 W			18.0				18.0	
	28 W				15.0				15.0
	35 W				11.0				11.0
T5 FQ	24 W		15.6				15.6		
	39 W				10.0				10.0
	49 W				6.7				6.7
	54 W				5.3				5.3
	80 W				4.2				4.2
T8	15 W		17.0				17.0		
	18 W		18.0				18.0		
	30 W								
	36 W		11.0				11.0		
	38 W								
	58 W			7.5				7.5	
	70 W				4.5				4.5

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells ①②	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 2 Ah Cs cells ②	Stick	3	**Accu-NiMH C 3A**	**89899744**	•				•			
	Stick	4	**Accu-NiMH C 4A**	**89899700**		•				•		
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•				•	
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•				•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•				•
NiMH 4 Ah Cs cells ②	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

① Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

② Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

Ballast-Lumen-Faktor (BLF) in %

EM SELFTEST G2 for compact lamps, 3 or 1 h

	Duration	1/3 h Standard BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 03 ST G2	EM 04 ST G2	EM 05 ST G2	EM 06 ST G2	EM 03 ST NiMH G2	EM 04 ST NiMH G2	EM 05 ST NiMH G2	EM 06 ST NiMH G2
	Article no.	89800198	89800201	89800204	89800207	89800336	89800337	89800338	89800339
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
TC-DD	10 W								
	16 W		23.6				23.6		
	21 W		15.4				15.4		
	28 W		13.7				13.7		
	38 W				10.3				10.3
	55 W				5.9				5.9
TC-SEL	7 W								
	9 W	18.3	27.6			18.3	27.6		
	11 W	17.4	31.0			17.4	31.0		
TC-DEL	10 W								
	13 W	18.6	25.6			18.6	25.6		
	18 W		17.0				17.0		
	26 W		14.4				14.4		
TC-TEL [3]	13 W	17.0 / 10.9	25.2 / 17.1			17.0 / 10.9	25.2 / 17.1		
	18 W		17.5 / 14.1	17.8 / 21.0			17.5 / 14.1	17.8 / 21.0	
	26 W [4]		11.5 / 10.0	13.0	14.0		11.5 / 10.0	13.0	14.0
	32 W [4]			14.0 / 5.6	x / 8.0			14.0 / 5.6	x / 8.0
	42 W				7.4 / 7.3				7.4 / 7.3
	57 W								
T5c	22 W		16.9				16.9		
	40 W				7.4				7.4
	55 W				5.1				5.1
TC-F	18 W		18.0				18.0		
	24 W			21.0				21.0	
	36 W			13.0				13.0	
TC-L	18 W		17.4				17.4		
	24 W			17.0				17.0	
	36 W			12.0				12.0	
	40 W			8.8				8.8	
	55 W				5.4				5.4
TC-R	14 W		20.0				20.0		
	17 W		15.0				15.0		

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells [1] [2]	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 2 Ah Cs cells [2]	Stick	3	**Accu-NiMH C 3A**	**89899744**	•				•			
	Stick	4	**Accu-NiMH C 4A**	**89899700**		•				•		
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•				•	
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•				•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•				•
NiMH 4 Ah Cs cells [2]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

[1] Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[2] Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

[3] The first figure is related to non-amalgam lamps, the second figure is realted to amalgam lamps (e.g. 14 / 9.5).

[4] For best performance of 26 and 32 W TC lamps, and especially amalgam filled lamps, we recommend the use of EM 06 ST G2 or EM 16 ST G2.

Ballast-Lumen-Faktor (BLF) in %

EM SELFTEST G2 for linear lamps, 1 h High Output

	Duration	1 High Output BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 13 HO ST G2	EM 14 HO ST G2	EM 15 HO ST G2	EM 16 HO ST G2	EM 13 HO ST NiMH G2	EM 14 HO ST NiMH G2	EM 15 HO ST NiMH G2	EM 16 HO ST NiMH G2
	Article no.	89800229	89800232	89800235	89800238	89800340	89800341	89800342	89800343
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
T5	6 W								
	8 W	58.0	68.0			58.0	68.0		
	13 W								
ECO T5	13 W		47.0				47.0		
	20 W		33.0				33.0		
	25 W				41.0				41.0
	32 W				32.7				32.7
	45 W				31.6				31.6
	50 W				22.6				22.6
	73 W				16.0				16.0
T5 FH	14 W		46.0				46.0		
	21 W			41.0				41.0	
	28 W				39.0				39.0
	35 W				28.6				28.6
T5 FQ	24 W		33.4				33.4		
	39 W				34.3				34.3
	49 W				23.0				23.0
	54 W				18.2				18.2
	80 W				14.4				14.4
T8	15 W		37.6				37.6		
	18 W		39.8				39.8		
	30 W								
	36 W		21.0				21.0		
	38 W								
	58 W			18.0				18.0	
	70 W								

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells [1] [2]	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 4 Ah Cs cells [2]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

[1] Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[2] Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

Ballast-Lumen-Faktor (BLF) in %

EM SELFTEST G2 for compact lamps, 1 h High Output

	Duration	1h High Output BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 13 HO ST G2	EM 14 HO ST G2	EM 15 HO ST G2	EM 16 HO ST G2	EM 13 HO ST NiMH G2	EM 14 HO ST NiMH G2	EM 15 HO ST NiMH G2	EM 16 HO ST NiMH G2
	Article no.	89800229	89800232	89800235	89800238	89800340	89800341	89800342	89800343
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
TC-DD	10 W								
	16 W								
	21 W								
	28 W								
	38 W								
	55 W								
TC-SEL	7 W								
	9 W	46.3	42.8			46.3	42.8		
	11 W	44.0	48.0			44.0	48.0		
TC-DEL	10 W								
	13 W	43.0	53.0			43.0	53.0		
	18 W		39.3				39.3		
	26 W		29.8				29.8		
TC-TEL [3]	13 W	39.3 / 38.0	52.2 / 48.0			39.3 / 38.0	52.2 / 48.0		
	18 W		37.3 / 35.3				37.3 / 35.3		
	26 W [4]		28.0 / 25.0				28.0 / 25.0		
	32 W [4]			28.5 / 9.1				28.5 / 9.1	
	42 W			15.0 / 18.0				15.0 / 18.0	
	57 W								
T5c	22 W		36.2				36.2		
	40 W				25.4				25.4
	55 W				17.5				17.5
TC-F	18 W		31.0				31.0		
	24 W			40.3				40.3	
	36 W			25.0				25.0	
TC-L	18 W		33.0				33.0		
	24 W			37.4				37.4	
	36 W			30.6				30.6	
	40 W			22.5				22.5	
	55 W								
T5c	14 W		52.7				52.7		
	17 W		39.5				39.5		

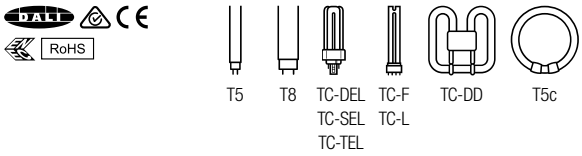
Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells [1] [2]	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 4 Ah Cs cells [2]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

[1] Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[2] Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

[3] The first figure is related to non-amalgam lamps, the second figure is realted to amalgam lamps (e.g. 14 / 9.5).

[4] For best performance of 26 and 32 W TC lamps, and especially amalgam filled lamps, we recommend the use of EM 06 ST G2 or EM 16 ST G2.



EM PRO G2, 220 – 240 V 50/60 Hz

PRO version

Product description

- New generation with reduced housing length and integrated duration link
- Separate units for NiCd and NiMH batteries ensure optimum performance
- Emergency lighting supply unit with DALI interface and automatic test function
- For linear and compact fluorescent lamps
- Low profile casing (21 x 30 mm cross-section)

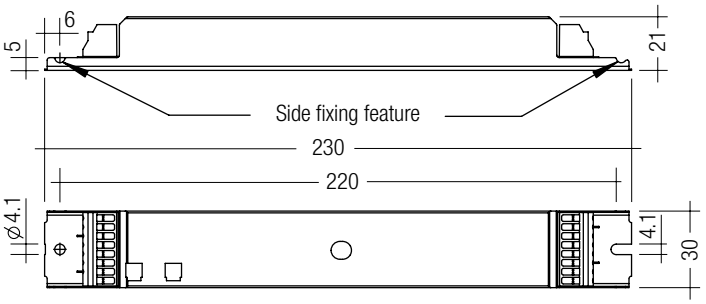


Properties

- Non maintained operation
- DALI interface for testing and monitoring
- 1 or 3 h rated duration selectable with jumper
- Compatible with all electronic ballasts (dimmable and non-dimmable)
- 5-pole technology: 4-pole lamp changeover and delayed power switching for the ballast
- High-frequency ac operation of the lamp
- Power control technology ensures maximum emergency ballast lumen factors (EBLF) for all lamps
- Gentle on the lamp thanks to preheated lamp start and permanent cathode heating in emergency mode
- 5.5 min. boost start for rapid heating of the lamp, more light in the startup phase and optimum lamp life
- Standard and high ballast lumen factor for 1-hour types
- Electronic multi-level charge system
- “Rest mode” function
- Addressing function, patented (“EZ easy addressing”)
- EZ addressing tool can be supplied
- Bi-colour status display LED
- Deep discharge protection
- Very low energy consumption from the battery after activation of the deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Tests:

- Status of the battery
- Status of the lamp
- Charge condition
- Function test
- Duration test



Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	60 mA
Rated power	< 10 W
Overvoltage protection	320 V (for 1 h)
Maximum operating voltage (U-OUT of the ECG)	460 V
Battery charging time 1 h	10 h
Battery charging time 3 h	15 h
Discharge current, Standard BLF	1 A
Discharge current, High Output BLF	–
Time to light	1.2 s from detection of emergency event
Leakage current (PE)	0.5 mA
Ambient temperature ta	-5 ... +60 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Min. lamp starting temperature (emergency mode)	-5 °C
Type of protection	IP20

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 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Battery type	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 or 1 h, Standard BLF						
EM 03 PRO G2	**89800197**	NiCd	3	10 pc(s).	700 pc(s).	0.156 kg
EM 04 PRO G2	**89800200**	NiCd	4	10 pc(s).	700 pc(s).	0.156 kg
EM 05 PRO G2	**89800203**	NiCd	5	10 pc(s).	700 pc(s).	0.156 kg
EM 06 PRO G2	**89800206**	NiCd	6	10 pc(s).	700 pc(s).	0.156 kg
EM 03 PRO NiMH G2	**89800332**	NiMH	3	1 pc(s).	1 pc(s).	0.156 kg
EM 04 PRO NiMH G2	**89800333**	NiMH	4	1 pc(s).	1 pc(s).	0.156 kg
EM 05 PRO NiMH G2	**89800334**	NiMH	5	1 pc(s).	1 pc(s).	0.156 kg
EM 06 PRO NiMH G2	**89800335**	NiMH	6	1 pc(s).	1 pc(s).	0.156 kg

Specific technical data

Type	Charge current / Battery charging time		
	Initial charge / duration	Fast recharge / duration	Trickle charge, continuously
Rated operating time 1 h, Standard BLF			
EM 03 PRO G2	130 mA / 20 h	210 mA / 10 h	50mA
EM 06 PRO G2	130 mA / 20 h	210 mA / 10 h	50mA
EM 04 PRO G2	130 mA / 20 h	210 mA / 10 h	50mA
EM 05 PRO G2	130 mA / 20 h	210 mA / 10 h	50mA
EM 03 PRO NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 04 PRO NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 05 PRO NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
EM 06 PRO NiMH G2	130 mA / 20 h	210 mA / 10 h	130 mA / 4 min. – 0 mA / 16 min.
Rated operating time 3 h, Standard BLF			
EM 03 PRO G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 06 PRO G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 04 PRO G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 05 PRO G2	300 mA / 20 h	330 mA / 15 h	130 mA
EM 03 PRO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.
EM 04 PRO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.
EM 05 PRO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.
EM 06 PRO NiMH G2	300 mA / 20 h	330 mA / 15 h	200 mA / 4 min. – 0 mA / 16 min.

RoHS

ACCES-SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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

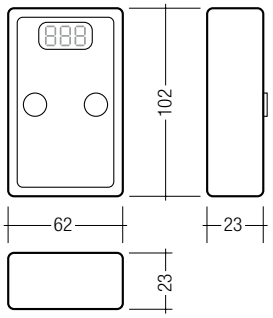
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 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

Ballast lumen factor (BLF) in %

EM PRO G2 for linear lamps, 3 or 1 h

	Duration	1/3 h Standard BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 03 PRO G2	EM 04 PRO G2	EM 05 PRO G2	EM 06 PRO G2	EM 03 PRO NiMH G2	EM 04 PRO NiMH G2	EM 05 PRO NiMH G2	EM 06 PRO NiMH G2
	Article no.	89800197	89800200	89800203	89800206	89800332	89800333	89800334	89800335
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
T5	6 W								
	8 W	32.4	40.0			32.4	40.0		
	13 W								
ECO T5	13 W		22.0				22.0		
	20 W		15.4				15.4		
	25 W				16.8				16.8
	32 W				13.4				13.4
	45 W				8.1				8.1
	50 W				5.8				5.8
	73 W		15.4		4.1		15.4		4.1
T5 FH	14 W		24.0				24.0		
	21 W			18.0				18.0	
	28 W				15.0				15.0
	35 W				11.0				11.0
T5 FQ	24 W		15.6				15.6		
	39 W				10.0				10.0
	49 W				6.7				6.7
	54 W				5.3				5.3
	80 W				4.2				4.2
T8	15 W		17.0				17.0		
	18 W		18.0				18.0		
	30 W								
	36 W		11.0				11.0		
	38 W								
	58 W			7.5				7.5	
	70 W				4.5				4.5

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells [1] [2]	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 2 Ah Cs cells [2]	Stick	3	**Accu-NiMH C 3A**	**89899744**	•				•			
	Stick	4	**Accu-NiMH C 4A**	**89899700**		•				•		
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•				•	
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•				•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•				•
NiMH 4 Ah Cs cells [2]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

[1] Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[2] Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

Ballast lumen factor (BLF) in %

EM PRO G2 for compact lamps, 3 or 1 h

	Duration	1/3 h Standard BLF							
	Cells	3 cells	4 cells	5 cells	6 cells	3 cells	4 cells	5 cells	6 cells
	Type	EM 03 PRO G2	EM 04 PRO G2	EM 05 PRO G2	EM 06 PRO G2	EM 03 PRO NiMH G2	EM 04 PRO NiMH G2	EM 05 PRO NiMH G2	EM 06 PRO NiMH G2
	Article no.	89800197	89800200	89800203	89800206	89800332	89800333	89800334	89800335
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
TC-DD	10 W								
	16 W		23.6				23.6		
	21 W		15.4				15.4		
	28 W		13.7				13.7		
	38 W				10.3				10.3
	55 W				5.9				5.9
TC-SEL	7 W								
	9 W	18.3	27.6			18.3	27.6		
	11 W	17.4	31.0			17.4	31.0		
TC-DEL	10 W								
	13 W	18.6	25.6			18.6	25.6		
	18 W		17.0				17.0		
	26 W		14.4				14.4		
TC-TEL [3]	13 W	17.0 / 10.9	25.2 / 17.1			17.0 / 10.9	25.2 / 17.1		
	18 W		17.5 / 14.1	17.8 / 21.0			17.5 / 14.1	17.8 / 21.0	
	26 W [4]		11.5 / 10.0	13.0	14.0		11.5 / 10.0	13.0	14.0
	32 W [4]			14.0 / 5.6	x / 8.0			14.0 / 5.6	x / 8.0
	42 W				7.4 / 7.3				7.4 / 7.3
	57 W								
T5c	22 W		16.9				16.9		
	40 W				7.4				7.4
	55 W				5.1				5.1
TC-F	18 W		18.0				18.0		
	24 W			21.0				21.0	
	36 W			13.0				13.0	
TC-L	18 W		17.4				17.4		
	24 W			17.0				17.0	
	36 W			12.0				12.0	
	40 W			8.8				8.8	
	55 W				5.4				5.4
TC-R	14 W		20.0				20.0		
	17 W		15.0				15.0		

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells [1] [2]	Stick	3	**Accu-NiCd 3A**	**89895960**	•							
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•						
	Side by side	4	**Accu-NiCd 4B**	**89895977**		•						
	Stick + Stick	2 + 2	**Accu-NiCd 4C**	**89895978**		•						
	Stick	5	**Accu-NiCd 5A**	**89895973**			•					
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•					
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**				•				
NiMH 2 Ah Cs cells [2]	Stick	3	**Accu-NiMH C 3A**	**89899744**	•				•			
	Stick	4	**Accu-NiMH C 4A**	**89899700**		•				•		
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•				•	
	Stick	6	**Accu-NiMH C 6A**	**89899706**				•				•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**				•				•
NiMH 4 Ah Cs cells [2]	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**						•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**								•

[1] Note: 50 °C batteries also available (see seperate datasheet at www.tridonic.com).

[2] Maximum battery housing temperature see page 503 up to page 507, technical data batteries.

[3] The first figure is related to non-amalgam lamps, the second figure is realted to amalgam lamps (e.g. 14 / 9.5).

[4] For best performance of 26 and 32 W TC lamps, and especially amalgam filled lamps, we recommend the use of EM 06 PRO G2.

RoHS

T5 T8

PC COMBO, 220 – 240 V 50/60 Hz

Linear fluorescent lamps

Product description

- Combination of electronic ballast and emergency lighting unit
- For T5 and T8 fluorescent lamps
- For manual testing of the emergency lighting function

Properties

- Lightweight one-part emergency lighting unit
- For 1, 2, 3 or 4-lamp luminaires
- Simple wiring
- No compatibility problems
- 1 or 3 h rated duration
- Lamp warm start in normal operation
- IDC (insulation displacement connection)
- Green charge status display LED
- Checking the emergency lighting function by interrupting the unswitched phase
- Optional test switch
- Electronically controlled battery charging
- 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
- Blade terminals for simple connection

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

→

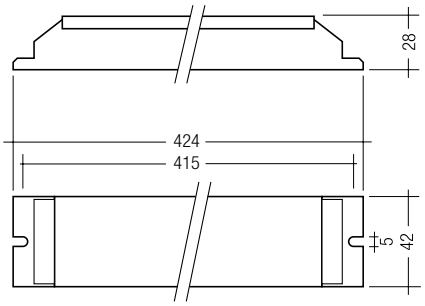
Standards, page 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains voltage changeover threshold	according to EN 60598-2-22
tc point max.	70 °C
Ambient temperature ta	0 ... +50 °C
Operating frequency	> 30 kHz
Battery charging time	24 h
Charge current	210 mA
Discharge current 1 h	2.4 A
Discharge current 3 h	1.1 A
Min. lamp starting temperature (normal operation)	-15 °C
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 h					
PC 1x36-33 COMBO	**89805250**	3	25 pc(s).	700 pc(s).	0.440 kg
PC 2x36-33 COMBO	**89805268**	3	25 pc(s).	700 pc(s).	0.440 kg
PC 1x58-34 COMBO	**89805270**	4	25 pc(s).	700 pc(s).	0.440 kg
PC 2 x 58-34 COMBO	**89805272**	4	25 pc(s).	700 pc(s).	0.440 kg
PC 3/4x18-33 COMBO	**89818236**	3	25 pc(s).	350 pc(s).	0.445 kg
PC 3/4x14-33 T5 COMBO	**89800002**	3	25 pc(s).	700 pc(s).	0.445 kg
PC 3/4x24-34 T5 COMBO	**89899878**	4	25 pc(s).	475 pc(s).	0.430 kg
Rated operating time 1 h					
PC 3/4x14-13 T5 COMBO	**89800003**	3	25 pc(s).	700 pc(s).	0.445 kg

Specific technical data

Lamp type	Lamp wattage	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	Mains current	λ	Normal operation BLF	Emergency operation BLF	Emergency operation EBF ①	Rated duration
Rated operating time 3 h													
T8	1 x 36 W	**PC 1x36-33 COMBO**	89805250	424 x 42 x 28 mm	415 mm	32.0 W	39 W	0.18 A	0.93	1	0.060	0.055	3 h
T8	2 x 36 W	**PC 2x36-33 COMBO**	89805268	424 x 42 x 28 mm	415 mm	64.0 W	75 W	0.35 A	0.96	1	0.060	0.055	3 h
T8	1 x 58 W	**PC 1x58-34 COMBO**	89805270	424 x 42 x 28 mm	415 mm	50.0 W	60 W	0.27 A	0.95	1	0.065	0.060	3 h
T8	2 x 58 W	**PC 2 x 58-34 COMBO**	89805272	424 x 42 x 28 mm	415 mm	100.0 W	115 W	0.51 A	0.96	1	0.065	0.060	3 h
T8	3 x 18 W	**PC 3/4x18-33 COMBO**	89818236	424 x 42 x 28 mm	415 mm	48.0 W	60 W	0.27 A	0.97	1	0.160	0.145	3 h
T8	4 x 18 W	**PC 3/4x18-33 COMBO**	89818236	424 x 42 x 28 mm	415 mm	72.0 W	79 W	0.35 A	0.97	1	0.160	0.145	3 h
T5	3 x 14 W	**PC 3/4x14-33 T5 COMBO**	89800002	424 x 42 x 28 mm	415 mm	42.0 W	52 W	0.23 A	0.97	1	0.170	0.160	3 h
T5	4 x 14 W	**PC 3/4x14-33 T5 COMBO**	89800002	424 x 42 x 28 mm	415 mm	56.0 W	67 W	0.30 A	0.98	1	0.170	0.160	3 h
T5	3 x 24 W	**PC 3/4x24-34 T5 COMBO**	89899878	424 x 42 x 28 mm	415 mm	67.5 W	75 W	0.34 A	0.97	1	0.160	0.140	3 h
T5	4 x 24 W	**PC 3/4x24-34 T5 COMBO**	89899878	424 x 42 x 28 mm	415 mm	90.0 W	100 W	0.45 A	0.97	1	0.160	0.140	3 h
Rated operating time 1 h													
T5	3 x 14 W	**PC 3/4x14-13 T5 COMBO**	89800003	424 x 42 x 28 mm	415 mm	42.0 W	52 W	0.23 A	0.97	1	0.280	0.250	1 h
T5	4 x 14 W	**PC 3/4x14-13 T5 COMBO**	89800003	424 x 42 x 28 mm	415 mm	56.0 W	67 W	0.30 A	0.98	1	0.280	0.250	1 h

① According to EN 61347-2-7: 2006.

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

PC COMBO for T5 and T8 fluorescent lamps, 3 or 1 h

	Duration	3 h							1 h
	Cells	3 cells	3 cells	4 cells	4 cells	3 cells	3 cells	4 cells	3 cells
	Type	PC 1x36-33 COMBO	PC 2x36-33 COMBO	PC 1x58-34 COMBO	PC 2x58-34 COMBO	PC 3/4x18-33 COMBO	PC 3/4x14-33 T5 COMBO	PC 3/4x24-34 T5 COMBO	PC 3/4x14-13 T5 COMBO
	Article no.	89805250	89805268	89805270	89805272	89818236	89800002	89899878	89800003
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
T8	18 W					16			
	36 W	6	6						
	58 W			6.5	6.5				
T5	14 W						17		28
	24 W							16	

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•	•			•	•		•
	Stick	4	**Accu-NiCd 4A 55**	**89800089**			•	•			•	
NiMH 4 Ah Cs cells ①	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**	•	•			•	•		•
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**			•	•			•	

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

① Maximum battery housing temperature 45 °C.

T5

PC T5 COMBO Ip, 220 – 240 V 50/60 Hz

Linear fluorescent lamps

Product description

- Combination of electronic ballast and emergency lighting unit
- For T5 fluorescent lamps
- Low profile casing (21 x 30 mm cross-section)
- For manual testing of the emergency lighting function

Properties

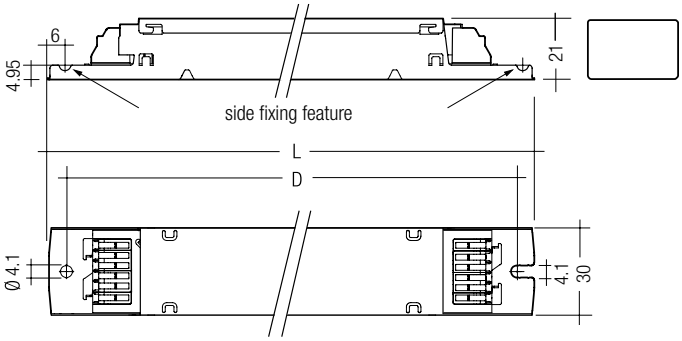
- Lightweight one-part emergency lighting unit
- Simple wiring
- No compatibility problems
- 1 or 3 h rated duration
- Selectable operating time (jumper)
- Lamp warm start in normal operation
- Cathode heating in emergency mode
- AC operation of all lamps
- Automatic restart after relamping in normal operation
- Green charge status display LED
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optional test switch
- Checking the emergency lighting function by interrupting the unswitched phase
- IDC (insulation displacement connection)
- Electronically controlled battery charging
- 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
- Blade terminals for simple connection

→ 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
Mains voltage changeover threshold	according to EN 60598-2-22
Start time	~ 1.6 s
tc point max.	70 °C
tc point (PC 2x54-6 T5 COMBO Ip)	75 °C
Ambient temperature ta	0 ... +55 °C
Operating frequency (normal operation)	40 – 50 kHz
Operating frequency (emergency mode)	20 – 30 kHz
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Charge current 1 h	105 mA
Charge current 3 h	210 mA
Discharge current	1.1 A
Leakage current (PE)	< 0.5 mA
Min. lamp starting temperature (normal operation)	-15 °C
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20

→

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For wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 / 1 h					
PC 1x14-3 T5 COMBO lp	**89899875**	3	25 pc(s).	475 pc(s).	0.229 kg
PC 2x14-3 T5 COMBO lp	**89899876**	3	25 pc(s).	475 pc(s).	0.229 kg
PC 1x21/28-5 T5 COMBO lp	**89899881**	5	25 pc(s).	475 pc(s).	0.229 kg
PC 2x21/28-5 T5 COMBO lp	**89899882**	5	25 pc(s).	475 pc(s).	0.229 kg
PC 1x24-4 T5 COMBO lp	**89899879**	4	25 pc(s).	475 pc(s).	0.229 kg
PC 2x24-4 T5 COMBO lp	**89899880**	4	25 pc(s).	475 pc(s).	0.229 kg
PC 1x35-6 T5 COMBO lp	**89899885**	6	25 pc(s).	475 pc(s).	0.229 kg
PC 2x35-6 T5 COMBO lp	**89899886**	6	25 pc(s).	475 pc(s).	0.229 kg
PC 1x39-5 T5 COMBO lp	**89899883**	5	25 pc(s).	475 pc(s).	0.229 kg
PC 2x39-5 T5 COMBO lp	**89899884**	5	25 pc(s).	475 pc(s).	0.229 kg
PC 1x49-5 T5 COMBO lp	**89899887**	5	25 pc(s).	475 pc(s).	0.229 kg
PC 2x49-5 T5 COMBO lp	**89899888**	5	25 pc(s).	475 pc(s).	0.340 kg
PC 1x54-6 T5 COMBO lp	**89899889**	6	25 pc(s).	475 pc(s).	0.229 kg
PC 2x54-6 T5 COMBO lp	**89899890**	6	25 pc(s).	475 pc(s).	0.229 kg
PC 1x80-6 T5 COMBO lp	**89899891**	6	25 pc(s).	475 pc(s).	0.229 kg

Specific technical data

Lamp type	Lamp wattage	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	Mains current	λ	Normal operation BLF	Emergency operation BLF	Emergency operation EBLF ①	Rated duration
Rated operating time 3 / 1 h													
T5	1 x 14 W	**PC 1x14-3 T5 COMBO lp**	89899875	425 x 30 x 21 mm	415 mm	14.4 W	19.4 W	0.090 A	0.96	1	0.170	0.170	3/1 h
T5	2 x 14 W	**PC 2x14-3 T5 COMBO lp**	89899876	425 x 30 x 21 mm	415 mm	28.8 W	35.0 W	0.160 A	0.95	1	0.170	0.170	3/1 h
T5	1 x 21 W	**PC 1x21/28-5 T5 COMBO lp**	89899881	425 x 30 x 21 mm	415 mm	20.5 W	28.8 W	0.130 A	0.95	1	0.120	0.115	3/1 h
T5	1 x 28 W	**PC 1x21/28-5 T5 COMBO lp**	89899881	425 x 30 x 21 mm	415 mm	27.9 W	35.9 W	0.160 A	0.97	1	0.120	0.095	3/1 h
T5	2 x 21 W	**PC 2x21/28-5 T5 COMBO lp**	89899882	425 x 30 x 21 mm	415 mm	40.9 W	50.0 W	0.225 A	0.97	1	0.120	0.110	3/1 h
T5	2 x 28 W	**PC 2x21/28-5 T5 COMBO lp**	89899882	425 x 30 x 21 mm	415 mm	55.8 W	66.5 W	0.295 A	0.98	1	0.120	0.095	3/1 h
T5	1 x 24 W	**PC 1x24-4 T5 COMBO lp**	89899879	425 x 30 x 21 mm	415 mm	22.2 W	29.9 W	0.135 A	0.95	1	0.130	0.127	3/1 h
T5	2 x 24 W	**PC 2x24-4 T5 COMBO lp**	89899880	425 x 30 x 21 mm	415 mm	43.0 W	54.7 W	0.245 A	0.97	1	0.130	0.127	3/1 h
T5	1 x 35 W	**PC 1x35-6 T5 COMBO lp**	89899885	425 x 30 x 21 mm	415 mm	35.7 W	44.5 W	0.200 A	0.98	1	0.130	0.075	3/1 h
T5	2 x 35 W	**PC 2x35-6 T5 COMBO lp**	89899886	425 x 30 x 21 mm	415 mm	71.4 W	84.4 W	0.370 A	0.98	1	0.130	0.075	3/1 h
T5	1 x 39 W	**PC 1x39-5 T5 COMBO lp**	89899883	425 x 30 x 21 mm	415 mm	40.0 W	47.0 W	0.210 A	0.97	1	0.070	0.065	3/1 h
T5	2 x 39 W	**PC 2x39-5 T5 COMBO lp**	89899884	425 x 30 x 21 mm	415 mm	77.0 W	88.0 W	0.390 A	0.98	1	0.070	0.065	3/1 h
T5	1 x 49 W	**PC 1x49-5 T5 COMBO lp**	89899887	425 x 30 x 21 mm	415 mm	50.0 W	58.2 W	0.260 A	0.98	1	0.060	0.050	3/1 h
T5	2 x 49 W	**PC 2x49-5 T5 COMBO lp**	89899888	425 x 30 x 21 mm	415 mm	101.4 W	112.0 W	0.500 A	0.99	1	0.070	0.050	3/1 h
T5	1 x 54 W	**PC 1x54-6 T5 COMBO lp**	89899889	425 x 30 x 21 mm	415 mm	54.8 W	66.9 W	0.300 A	0.97	1	0.060	0.040	3/1 h
T5	2 x 54 W	**PC 2x54-6 T5 COMBO lp**	89899890	425 x 30 x 21 mm	415 mm	105.0 W	120.3 W	0.530 A	0.99	1	0.060	0.040	3/1 h
T5	1 x 80 W	**PC 1x80-6 T5 COMBO lp**	89899891	425 x 30 x 21 mm	415 mm	79.5 W	87.3 W	0.385 A	0.98	1	0.048	0.043	3/1 h

① According to EN 61347-2-7: 2006.

RoHS

ACCES-SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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



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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

PC T5 COMBO lp for T5 fluorescent lamps, 3 or 1 h

	Duration	3 or 1 h					
	Cells	3 cells	3 cells	5 cells	5 cells	4 cells	4 cells
	Type	PC 1x14 – 3 T5 COMBO lp	PC 2x14 – 3 T5 COMBO lp	PC 1x21/28 – 5 T5 COMBO lp	PC 2x21/28 – 5 T5 COMBO lp	PC 1x24 – 4 T5 COMBO lp	PC 2x24 – 4 T5 COMBO lp
	Article no.	89899875	89899876	89899881	89899882	89899879	89899880
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time					
T5	14 W	17	17				
	21 W			12	12		
	24 W					13	13
	28 W			12	12		
	35 W						
	39 W						
	49 W						
	54 W						
	80 W						

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries					
NiCd 1.6 Ah Cs cells	Stick	3	Accu-NiCd C 3A	89899743	•	•				
	Stick	4	Accu-NiCd C 4A	89899692					•	•
	Stick	5	Accu-NiCd C 5A	89899695			•	•		
	Stick	6	Accu-NiCd C 6A	89899698						
	Stick + Stick	3 + 3	Accu-NiCd C 6C	89899699						
NiCd 4 Ah D cells	Stick	3	Accu-NiCd 3A	89895960	•	•				
	Stick	4	Accu-NiCd 4A 55	89800089					•	•
	Stick	5	Accu-NiCd 5A	89895973			•	•		
	Stick + Stick	3 + 2	Accu-NiCd 5C 55	89800090			•	•		
	Stick + Stick	3 + 3	Accu-NiCd 6C	89895963						
NiMH 2 Ah Cs cells	Stick	3	Accu-NiMH C 3A	89899744	•	•				
	Stick	4	Accu-NiMH C 4A	89899700					•	•
	Stick	5	Accu-NiMH C 5A	89899703			•	•		
	Stick	6	Accu-NiMH C 6A	89899706						
	Stick + Stick	3 + 3	Accu-NiMH C 6C	89899707						
NiMH 4 Ah Cs cells ①	Stick	3	Accu-NiMH 4 Ah C 3A	89899854	•	•				
	Stick	4	Accu-NiMH 4 Ah C 4A	89899850					•	•
	Stick	5	Accu-NiMH 4 Ah C 5A	89899851			•	•		
	Stick	6	Accu-NiMH 4 Ah C 6A	89899852						
	Stick + Stick	3 + 3	Accu-NiMH 4 Ah C 6C	89899853						

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

For 1-hour operation: 1.6 Ah Cs cells NiCd or 2 Ah Cs cells NiMH.

① Maximum battery housing temperature 45 °C.

Ballast-Lumen-Faktor (BLF) in %

PC T5 COMBO lp for T5 fluorescent lamps, 3 or 1 h

	Duration	3 or 1 h				
	Cells	6 cells	6 cells	5 cells	5 cells	5 cells
	Type	PC 1x35 – 6 T5 COMBO lp	PC 2x35 – 6 T5 COMBO lp	PC 1x39 – 5 T5 COMBO lp	PC 2x39 – 5 T5 COMBO lp	PC 1x49 – 5 T5 COMBO lp
	Article no.	89899885	89899886	89899883	89899884	89899887
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time				
T5	14 W					
	21 W					
	24 W					
	28 W					
	35 W	13	13			
	39 W			7	7	
	49 W					6
	54 W					
	80 W					

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries				
NiCd 1.6 Ah Cs cells	Stick	3	**Accu-NiCd C 3A**	**89899743**					
	Stick	4	**Accu-NiCd C 4A**	**89899692**					
	Stick	5	**Accu-NiCd C 5A**	**89899695**			•	•	•
	Stick	6	**Accu-NiCd C 6A**	**89899698**	•	•			
	Stick + Stick	3 + 3	**Accu-NiCd C 6C**	**89899699**	•	•			
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**					
	Stick	4	**Accu-NiCd 4A 55**	**89800089**					
	Stick	5	**Accu-NiCd 5A**	**89895973**			•	•	•
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**			•	•	•
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**	•	•			
NiMH 2 Ah Cs cells	Stick	3	**Accu-NiMH C 3A**	**89899744**					
	Stick	4	**Accu-NiMH C 4A**	**89899700**					
	Stick	5	**Accu-NiMH C 5A**	**89899703**			•	•	•
	Stick	6	**Accu-NiMH C 6A**	**89899706**	•	•			
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**	•	•			
NiMH 4 Ah Cs cells ①	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**					
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**					
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**			•	•	•
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**	•	•			
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**	•	•			

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

For 1-hour operation: 1.6 Ah Cs cells NiCd or 2 Ah Cs cells NiMH.

① Maximum battery housing temperature 45 °C.

Ballast-Lumen-Faktor (BLF) in %

PC T5 COMBO lp for T5 fluorescent lamps, 3 or 1 h

	Duration	3 or 1 h			
	Cells	5 cells	6 cells	6 cells	6 cells
	Type	PC 2x49 – 5 T5 COMBO lp	PC 1x54 – 6 T5 COMBO lp	PC 2x54 – 6 T5 COMBO lp	PC 1x80 – 6 T5 COMBO lp
	Article no.	89899888	89899889	89899890	89899891
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time			
T5	14 W				
	21 W				
	24 W				
	28 W				
	35 W				
	39 W				
	49 W	7			
	54 W		6	6	
	80 W				4.8

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries			
NiCd 1.6 Ah Cs cells	Stick	3	**Accu-NiCd C 3A**	**89899743**				
	Stick	4	**Accu-NiCd C 4A**	**89899692**				
	Stick	5	**Accu-NiCd C 5A**	**89899695**	•			
	Stick	6	**Accu-NiCd C 6A**	**89899698**		•	•	•
	Stick + Stick	3 + 3	**Accu-NiCd C 6C**	**89899699**		•	•	•
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**				
	Stick	4	**Accu-NiCd 4A 55**	**89800089**				
	Stick	5	**Accu-NiCd 5A**	**89895973**	•			
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	**89800090**	•			
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	**89895963**		•	•	•
NiMH 2 Ah Cs cells	Stick	3	**Accu-NiMH C 3A**	**89899744**				
	Stick	4	**Accu-NiMH C 4A**	**89899700**				
	Stick	5	**Accu-NiMH C 5A**	**89899703**	•			
	Stick	6	**Accu-NiMH C 6A**	**89899706**		•	•	•
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	**89899707**		•	•	•
NiMH 4 Ah Cs cells ①	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**				
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**				
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**	•			
	Stick	6	**Accu-NiMH 4 Ah C 6A**	**89899852**		•	•	•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	**89899853**		•	•	•

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

For 1-hour operation: 1.6 Ah Cs cells NiCd or 2 Ah Cs cells NiMH.

① Maximum battery housing temperature 45 °C.

TC-L

PC TC-L COMBO, 220 – 240 V 50/60 Hz

Compact fluorescent lamps

Product description

- Combination of electronic ballast and emergency lighting unit
- For TC-L compact fluorescent lamps
- For manual testing of the emergency lighting function

Properties

- Lightweight one-part emergency lighting unit
- Simple wiring
- No compatibility problems
- 3 h rated duration
- Lamp warm start in normal operation
- Automatic restart after relamping in normal operation
- Green charge status display LED
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Checking the emergency lighting function by interrupting the unswitched phase
- IDC terminals for automatic and manual wiring
- Optional test switch
- Electronically controlled battery charging
- 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
- Blade terminals for simple connection

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

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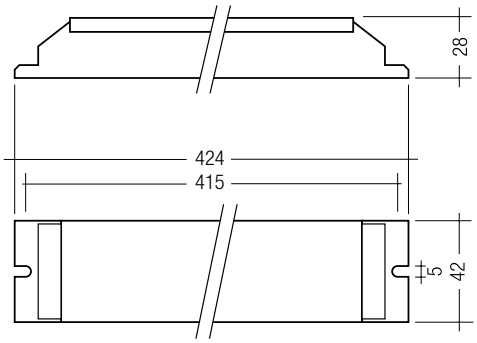
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For wiring diagrams and installation examples see data sheet





Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains voltage changeover threshold	according to EN 60598-2-22
Lamp starting time (normal operation)	< 1.5 s
tc point max.	70 °C
Ambient temperature ta	0 ... +50 °C
Operating frequency (normal operation)	40 – 50 kHz
Operating frequency (emergency mode)	20 – 30 kHz
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Charge current 3 h	210 mA
Discharge current 3 h	1.1 A
Leakage current (PE)	< 0.5 mA
Min. lamp starting temperature (normal operation)	-15 °C
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 h					
PC 1x36-33 TC-L COMBO	**89899920**	3	25 pc(s).	475 pc(s).	0.42 kg
PC 2x36-33 TC-L COMBO	**89899921**	3	25 pc(s).	475 pc(s).	0.42 kg
PC 1x40-34 TC-L COMBO	**89899922**	4	25 pc(s).	475 pc(s).	0.42 kg
PC 2x40-34 TC-L COMBO	**89899923**	4	25 pc(s).	475 pc(s).	0.42 kg
PC 1x55-35 TC-L COMBO	**89899924**	5	25 pc(s).	475 pc(s).	0.42 kg
PC 2x55-35 TC-L COMBO	**89899925**	5	25 pc(s).	475 pc(s).	0.42 kg

Specific technical data

Lamp type	Lamp wattage	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	Mains current	λ	Normal operation BLF	Emergency operation BLF	Emergency operation EBLF ①
Rated operating time 3 h												
TC-L	1 x 36 W	**PC 1x36-33 TC-L COMBO**	89899920	424 x 42 x 28 mm	415 mm	32 W	38.5 W	0.17 A	0.97	1	0.051	0.040
TC-L	2 x 36 W	**PC 2x36-33 TC-L COMBO**	89899921	424 x 42 x 28 mm	415 mm	32 W	74.0 W	0.33 A	0.98	1	0.051	0.040
TC-L	1 x 40 W	**PC 1x40-34 TC-L COMBO**	89899922	424 x 42 x 28 mm	415 mm	40 W	46.0 W	0.20 A	0.97	1	0.061	0.040
TC-L	2 x 40 W	**PC 2x40-34 TC-L COMBO**	89899923	424 x 42 x 28 mm	415 mm	40 W	90.6 W	0.40 A	0.98	1	0.061	0.040
TC-L	1 x 55 W	**PC 1x55-35 TC-L COMBO**	89899924	424 x 42 x 28 mm	415 mm	55 W	65.0 W	0.29 A	0.97	1	0.085	0.075
TC-L	2 x 55 W	**PC 2x55-35 TC-L COMBO**	89899925	424 x 42 x 28 mm	415 mm	55 W	127.0 W	0.56 A	0.98	1	0.085	0.075

① According to EN 61347-2-7: 2006.

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

PC TC-L COMBO for compact lamps, 3 h

	Duration	**3 h**					
	Cells	**3 cells**	**3 cells**	**4 cells**	**4 cells**	**5 cells**	**5 cells**
	Type	**PC 1x36-33 TC-L COMBO**	**PC 2x36-33 TC-L COMBO**	**PC 1x40-34 TC-L COMBO**	**PC 2x40-34 TC-L COMBO**	**PC 1x55-35 TC-L COMBO**	**PC 2x55-35 TC-L COMBO**
	Article no.	**89899920**	**89899921**	**89899922**	**89899923**	**89899924**	**89899925**
Lamp type	Wattage	**BLF in emergency lighting mode in % for rated operating time**					
TC-L	36 W	5.1	5.1				
	40 W			6.1	6.1		
	55 W					8.5	8.5

Technology and capacity	Design	Number of cells	**Type**	**Article no.**	**Assignable batteries**					
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•	•				
	Stick	4	**Accu-NiCd 4A 55**	**89800089**			•	•		
	Stick	5	**Accu-NiCd 5A**	**89895973**					•	•
	Stick + Stick	3 + 2	**Accu-NiCd 5B**	**89895962**					•	•
NiMH 4 Ah Cs cells ①	Stick	3	**Accu-NiMH 4 Ah C 3A**	**89899854**	•	•				
	Stick	4	**Accu-NiMH 4 Ah C 4A**	**89899850**			•	•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	**89899851**					•	•

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

① Maximum battery housing temperature 45 °C.

TC-DEL
TC-TEL

TC-DD

PC CFL COMBO, 220 – 240 V 50/60 Hz

Compact fluorescent lamps

Product description

- Combination of electronic ballast and emergency lighting unit
- For compact fluorescent lamps
- For manual testing of the emergency lighting function

Properties

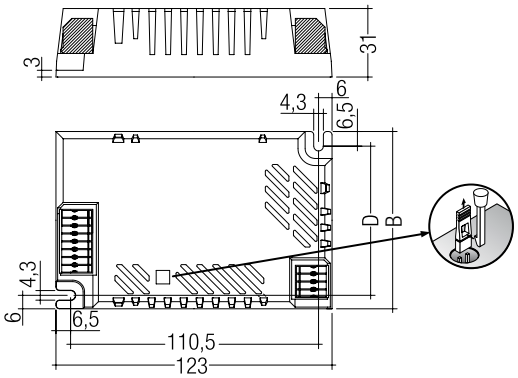
- Lightweight one-part emergency lighting unit
- Simple wiring
- No compatibility problems
- 3 h rated duration for TC-DD lamp variants
- 1 and 3 h rated duration for TC-D/T lamp variants
- Selectable operating time (jumper)
- Lamp warm start in normal operation
- Filament heating in emergency operation for TC-D/T lamps
- AC operation of all lamps
- Automatic restart after relamping in normal operation
- Green charge status display LED
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optional test switch
- Checking the emergency lighting function by interrupting the unswitched phase
- Small dimensions
- IDC (insulation displacement connection)
- Electronically controlled battery charging
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- Separate battery pack
- 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
Mains voltage changeover threshold	according to EN 60598-2-22
Lamp starting time (normal operation)	1.6 s
tc point max.	75 °C
Ambient temperature ta	0 ... +55 °C
Operating frequency (normal operation)	> 42 kHz
Operating frequency (emergency mode)	typ. 17 kHz
Overvoltage protection	320 V (for 1 h)
Battery charging time	24 h
Battery charging current 4 Ah / 4 Ah NiMH (3 h application)	200 mA
Battery charging current 1.6 Ah / 2 Ah NiMH (1 h application)	100 mA
Leakage current (PE)	< 0.5 mA
Min. lamp starting temperature (normal operation)	-15 °C
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 / 1 h					
PC 1x18-3 TC COMBO	**89899990**	3	25 pc(s).	700 pc(s).	0.220 kg
PC 1x18-4 TC COMBO	**89899927**	4	25 pc(s).	700 pc(s).	0.220 kg
PC 2x18-3 TC COMBO	**89899982**	3	25 pc(s).	450 pc(s).	0.245 kg
PC 2x18-4 TC COMBO	**89899928**	4	25 pc(s).	450 pc(s).	0.245 kg
PC 1x26-3 TC COMBO	**89899983**	3	25 pc(s).	700 pc(s).	0.220 kg
PC 1x26-4 TC COMBO	**89899976**	4	25 pc(s).	700 pc(s).	0.220 kg
PC 1x26/32-5 TC COMBO	**89899929**	5	25 pc(s).	700 pc(s).	0.220 kg
PC 1x26/32/42-6 TC COMBO	**89899931**	6	25 pc(s).	700 pc(s).	0.220 kg
PC 2x26-3 TC COMBO	**89899984**	3	25 pc(s).	450 pc(s).	0.245 kg
PC 2x26-4 TC COMBO	**89899930**	4	25 pc(s).	450 pc(s).	0.245 kg
PC 2x26/32-5 TC COMBO	**89899998**	5	25 pc(s).	450 pc(s).	0.245 kg
PC 2x26/32/42-6 TC COMBO	**89899989**	6	25 pc(s).	450 pc(s).	0.245 kg

→

Standards, page 392

Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 h, Low Output BLF					
PC 1x28-33 LO DD COMBO	**89899943**	3	25 pc(s).	700 pc(s).	0.220 kg
PC 1x28-34 LO DD COMBO	**89899955**	4	25 pc(s).	700 pc(s).	0.220 kg
PC 1x38-34 LO DD COMBO	**89899981**	4	25 pc(s).	700 pc(s).	0.220 kg
Rated operating time 3 h, High Output BLF					
PC 1x16-33 HO DD COMBO	**89899926**	3	25 pc(s).	700 pc(s).	0.220 kg
PC 1x28-33 HO DD COMBO	**89899957**	3	25 pc(s).	700 pc(s).	0.220 kg
PC 1x28-34 HO DD COMBO	**89899958**	4	25 pc(s).	700 pc(s).	0.220 kg
PC 1x38-34 HO DD COMBO	**89899933**	4	25 pc(s).	700 pc(s).	0.220 kg
PC 1x38-35 HO DD COMBO	**89899975**	5	25 pc(s).	700 pc(s).	0.220 kg

Specific technical data

Lamp type ①	Lamp wattage	**Type**	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	Mains current ②	λ ②	Normal operation BLF	Emergency operation BLF	Emergency operation EBLF ③	Rated duration
Rated operating time 3 / 1 h													
TC-DEL	1 x 18 W	**PC 1x18-3 TC COMBO**	89899990	123 x 79 x 31 mm	66.5 mm	16.5 W	22 W	0.100 A	0.96	1.00	0.110	0.090	3/1 h
TC-TEL	1 x 18 W	**PC 1x18-3 TC COMBO**	89899990	123 x 79 x 31 mm	66.5 mm	16.5 W	22 W	0.100 A	0.96	1.00	0.090	0.080	3/1 h
TC-DEL	1 x 18 W	**PC 1x18-4 TC COMBO**	89899927	123 x 79 x 31 mm	66.5 mm	16.5 W	24 W	0.110 A	0.96	1.00	0.190	0.175	3/1 h
TC-TEL	1 x 18 W	**PC 1x18-4 TC COMBO**	89899927	123 x 79 x 31 mm	66.5 mm	16.5 W	24 W	0.110 A	0.96	1.00	0.150	0.150	3/1 h
TC-DEL	2 x 18 W	**PC 2x18-3 TC COMBO**	89899982	123 x 102 x 31 mm	89.5 mm	34.0 W	40 W	0.180 A	0.97	1.00	0.110	0.090	3/1 h
TC-TEL	2 x 18 W	**PC 2x18-3 TC COMBO**	89899982	123 x 102 x 31 mm	89.5 mm	34.0 W	40 W	0.180 A	0.97	1.00	0.090	0.080	3/1 h
TC-DEL	2 x 18 W	**PC 2x18-4 TC COMBO**	89899928	123 x 102 x 31 mm	89.5 mm	33.0 W	43 W	0.190 A	0.97	1.00	0.190	0.175	3/1 h
TC-TEL	2 x 18 W	**PC 2x18-4 TC COMBO**	89899928	123 x 102 x 31 mm	89.5 mm	33.0 W	43 W	0.190 A	0.97	1.00	0.150	0.150	3/1 h
TC-DEL	1 x 26 W	**PC 1x26-3 TC COMBO**	89899983	123 x 79 x 31 mm	66.5 mm	24.0 W	28 W	0.130 A	0.95	1.00	0.095	0.080	3/1 h
TC-TEL	1 x 26 W	**PC 1x26-3 TC COMBO**	89899983	123 x 79 x 31 mm	66.5 mm	24.0 W	28 W	0.130 A	0.95	1.00	0.065	0.055	3/1 h
TC-DEL	1 x 26 W	**PC 1x26-4 TC COMBO**	89899976	123 x 79 x 31 mm	66.5 mm	24.0 W	30 W	0.140 A	0.95	1.00	0.085	0.095	3/1 h
TC-TEL	1 x 26 W	**PC 1x26-4 TC COMBO**	89899976	123 x 79 x 31 mm	66.5 mm	24.0 W	30 W	0.140 A	0.95	1.00	0.085	0.085	3/1 h
TC-DEL	1 x 26 W	**PC 1x26/32-5 TC COMBO**	89899929	123 x 79 x 31 mm	66.5 mm	24.0 W	30 W	0.140 A	0.95	1.00	0.140	0.105	3/1 h
TC-TEL	1 x 26 W	**PC 1x26/32-5 TC COMBO**	89899929	123 x 79 x 31 mm	66.5 mm	24.0 W	30 W	0.140 A	0.95	1.00	0.120	0.075	3/1 h
TC-TEL	1 x 32 W	**PC 1x26/32-5 TC COMBO**	89899929	123 x 79 x 31 mm	66.5 mm	32.0 W	38 W	0.170 A	0.97	1.00	0.070	0.035	3/1 h
TC-DEL	1 x 26 W	**PC 1x26/32/42-6 TC COMBO**	89899931	123 x 79 x 31 mm	66.5 mm	24.0 W	30 W	0.140 A	0.95	1.00	0.110	0.095	3/1 h
TC-TEL	1 x 26 W	**PC 1x26/32/42-6 TC COMBO**	89899931	123 x 79 x 31 mm	66.5 mm	24.0 W	30 W	0.140 A	0.95	1.00	0.080	0.080	3/1 h
TC-TEL	1 x 32 W	**PC 1x26/32/42-6 TC COMBO**	89899931	123 x 79 x 31 mm	66.5 mm	32.0 W	40 W	0.180 A	0.95	1.00	0.090	0.085	3/1 h
TC-TEL	1 x 42 W	**PC 1x26/32/42-6 TC COMBO**	89899931	123 x 79 x 31 mm	66.5 mm	42.0 W	52 W	0.230 A	0.95	1.00	0.065	0.060	3/1 h
TC-DEL	2 x 26 W	**PC 2x26-3 TC COMBO**	89899984	123 x 102 x 31 mm	89.5 mm	48.0 W	52 W	0.230 A	0.95	1.00	0.095	0.080	3/1 h
TC-TEL	2 x 26 W	**PC 2x26-3 TC COMBO**	89899984	123 x 102 x 31 mm	89.5 mm	48.0 W	52 W	0.230 A	0.95	1.00	0.065	0.055	3/1 h
TC-DEL	2 x 26 W	**PC 2x26-4 TC COMBO**	89899930	123 x 102 x 31 mm	89.5 mm	48.0 W	56 W	0.250 A	0.95	1.00	0.085	0.095	3/1 h
TC-TEL	2 x 26 W	**PC 2x26-4 TC COMBO**	89899930	123 x 102 x 31 mm	89.5 mm	48.0 W	56 W	0.250 A	0.95	1.00	0.085	0.085	3/1 h
TC-DEL	2 x 26 W	**PC 2x26/32-5 TC COMBO**	89899998	123 x 102 x 31 mm	89.5 mm	48.0 W	56 W	0.260 A	0.97	1.00	0.140	0.105	3/1 h
TC-TEL	2 x 26 W	**PC 2x26/32-5 TC COMBO**	89899998	123 x 102 x 31 mm	89.5 mm	50.0 W	57 W	0.260 A	0.97	1.00	0.120	0.100	3/1 h
TC-TEL	2 x 32 W	**PC 2x26/32-5 TC COMBO**	89899998	123 x 102 x 31 mm	89.5 mm	62.0 W	71 W	0.330 A	0.98	1.00	0.100	0.085	3/1 h
TC-DEL	2 x 26 W	**PC 2x26/32/42-6 TC COMBO**	89899989	123 x 102 x 31 mm	89.5 mm	49.0 W	58 W	0.260 A	0.98	1.00	0.110	0.095	3/1 h
TC-TEL	2 x 26 W	**PC 2x26/32/42-6 TC COMBO**	89899989	123 x 102 x 31 mm	89.5 mm	49.0 W	58 W	0.260 A	0.98	1.00	0.080	0.080	3/1 h
TC-TEL	2 x 32 W	**PC 2x26/32/42-6 TC COMBO**	89899989	123 x 102 x 31 mm	89.5 mm	62.0 W	75 W	0.330 A	0.98	1.00	0.090	0.085	3/1 h
TC-TEL	2 x 42 W	**PC 2x26/32/42-6 TC COMBO**	89899989	123 x 102 x 31 mm	89.5 mm	82.0 W	98 W	0.440 A	0.98	1.00	0.065	0.060	3/1 h
Rated operating time 3 h, Low Output BLF													
TC-DD	1 x 28 W	**PC 1x28-33 LO DD COMBO**	89899943	123 x 79 x 31 mm	66.5 mm	17.0 W	24 W	0.110 A	0.96	0.75	0.110	0.100	3 h
TC-DD	1 x 28 W	**PC 1x28-34 LO DD COMBO**	89899955	123 x 79 x 31 mm	66.5 mm	17.0 W	24 W	0.110 A	0.96	0.75	0.150	0.115	3 h
TC-DD	1 x 38 W	**PC 1x38-34 LO DD COMBO**	89899981	123 x 79 x 31 mm	66.5 mm	26.0 W	35 W	0.160 A	0.96	0.85	0.060	0.055	3 h
Rated operating time 3 h, High Output BLF													
TC-DD	1 x 16 W	**PC 1x16-33 HO DD COMBO**	89899926	123 x 79 x 31 mm	66.5 mm	13.0 W	18 W	0.084 A	0.95	1.00	0.090	0.085	3 h
TC-DD	1 x 28 W	**PC 1x28-33 HO DD COMBO**	89899957	123 x 79 x 31 mm	66.5 mm	25.0 W	31 W	0.140 A	0.96	1.00	0.110	0.100	3 h
TC-DD	1 x 28 W	**PC 1x28-34 HO DD COMBO**	89899958	123 x 79 x 31 mm	66.5 mm	25.0 W	31 W	0.140 A	0.96	1.00	0.150	0.115	3 h
TC-DD	1 x 38 W	**PC 1x38-34 HO DD COMBO**	89899933	123 x 79 x 31 mm	66.5 mm	34.0 W	41 W	0.180 A	0.96	1.00	0.060	0.055	3 h
TC-DD	1 x 38 W	**PC 1x38-35 HO DD COMBO**	89899975	123 x 79 x 31 mm	66.5 mm	34.0 W	41 W	0.180 A	0.96	1.00	0.100	0.085	3 h

① PC 1x28-33 HO DD COMBO, PC 1x38-34 HO DD COMBO, PC 1x28-33 LO DD COMBO and PC 1x38-34 LO DD COMBO only for Biax non-amalgam lamps.
② For 230 V, 50 Hz.
③ According to EN 61347-2-7: 2006.

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

PC CFL COMBO for TC-DEL and TC-TEL compact lamps, 3 or 1 h

	Duration	3 or 1 h							
	Cells	3 cells	3 cells	4 cells	4 cells	3 cells	4 cells	5 cells	6 cells
	Type	PC 1x18-3 TC COMBO	PC 2x18-3 TC COMBO	PC 1x18-4 TC COMBO	PC 2x18-4 TC COMBO	PC 1x26-3 TC COMBO	PC 1x26-4 T5 COMBO	PC 1x26/32-5 TC COMBO	PC 1x26/32/42-6 TC COMBO
	Article no.	89899990	89899982	89899927	89899928	89899983	89899976	89899929	89899931
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time							
TC-DEL	18 W	11 / 9	11 / 9	19 / 15	19 / 15				
	26 W					9.5 / 6.5	8.5	14 / 12	11 / 8
TC-TEL	18 W	11 / 9	11 / 9	19 / 15	19 / 15				
	26 W					9.5 / 6.5	8.5	14 / 12	11 / 8
	32 W							7	9
	42 W								6.5

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 1.6 Ah Cs cells	Stick	3	**Accu-NiCd C 3A**	89899743	•	•			•			
	Stick	4	**Accu-NiCd C 4A**	89899692			•	•		•		
	Stick	5	**Accu-NiCd C 5A**	89899695							•	
	Stick	6	**Accu-NiCd C 6A**	89899698								•
	Stick + Stick	3 + 3	**Accu-NiCd C 6C**	89899699								•
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	89895960	•	•			•			
	Stick	4	**Accu-NiCd 4A 55**	89800089			•	•		•		
	Stick	5	**Accu-NiCd 5A**	89895973							•	
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	89800090							•	
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	89895963								•
NiMH 2 Ah Cs cells	Stick	3	**Accu-NiMH C 3A**	89899744	•	•			•			
	Stick	4	**Accu-NiMH C 4A**	89899700			•	•		•		
	Stick	5	**Accu-NiMH C 5A**	89899703							•	
	Stick	6	**Accu-NiMH C 6A**	89899706								•
	Stick + Stick	2 + 2	**Accu-NiMH C 4C**	89899702			•	•		•		
	Stick + Stick	3 + 2	**Accu-NiMH C 5C**	89899705							•	
	Stick + Stick	3 + 3	**Accu-NiMH C 6C**	89899707								•
NiMH 4 Ah Cs cells ①	Stick	3	**Accu-NiMH 4 Ah C 3A**	89899854	•	•			•			
	Stick	4	**Accu-NiMH 4 Ah C 4A**	89899850			•	•		•		
	Stick	5	**Accu-NiMH 4 Ah C 5A**	89899851							•	
	Stick	6	**Accu-NiMH 4 Ah C 6A**	89899852								•
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	89899853								•
Accupack NiCd 1.6 Ah		3	**Pack-NiCd 3C**	89899676	•	•			•			
		4	**Pack-NiCd 4C**	89899677			•	•		•		
		5	**Pack-NiCd 5C**	89899678							•	
		6	**Pack-NiCd 6C**	89899679								•
Accupack NiCd 4 Ah		3	**Pack-NiCd 3D**	89899672	•	•			•			
		4	**Pack-NiCd 4D**	89899673			•	•		•		
		5	**Pack-NiCd 5D**	89899674							•	
		6	**Pack-NiCd 6D**	89899675								•

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

For 1-hour operation: 1.6 Ah Cs cells NiCd or 2 Ah Cs cells NiMH.

① Maximum battery housing temperature 45 °C.

Ballast-Lumen-Faktor (BLF) in %

PC CFL COMBO for TC-DEL and TC-TEL compact lamps, 3 or 1 h

	Duration	3 or 1 h			
	Cells	3 cells	4 cells	5 cells	6 cells
	Type	PC 2x26-3 TC COMBO	PC 2x26-4 TC COMBO	PC 2x26/32-5 TC COMBO	PC 2x26/32/42-6 TC COMBO
	Article no.	89899984	89899930	89899998	89899989
Lamp type	Wattage	BLF in emergency lighting mode in % for rated operating time			
TC-DEL	26 W	9.5 / 6.5	8.5	14 / 12	11 / 8
TC-TEL	26 W	9.5 / 6.5	8.5	14 / 12	11 / 8
	32 W			10	9
	42 W				6.5

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries			
NiCd 1.6 Ah Cs cells	Stick	3	Accu-NiCd C 3A	89899743	•			
	Stick	4	Accu-NiCd C 4A	89899692		•		
	Stick	5	Accu-NiCd C 5A	89899695			•	
	Stick	6	Accu-NiCd C 6A	89899698				•
	Stick + Stick	3 + 3	Accu-NiCd C 6C	89899699				•
NiCd 4 Ah D cells	Stick	3	Accu-NiCd 3A	89895960	•			
	Stick	4	Accu-NiCd 4A 55	89800089		•		
	Stick	5	Accu-NiCd 5A	89895973			•	
	Stick + Stick	3 + 2	Accu-NiCd 5C 55	89800090			•	
	Stick + Stick	3 + 3	Accu-NiCd 6C	89895963				•
NiMH 2 Ah Cs cells	Stick	3	Accu-NiMH C 3A	89899744	•			
	Stick	4	Accu-NiMH C 4A	89899700		•		
	Stick	5	Accu-NiMH C 5A	89899703			•	
	Stick	6	Accu-NiMH C 6A	89899706				•
	Stick + Stick	2 + 2	Accu-NiMH C 4C	89899702		•		
	Stick + Stick	3 + 2	Accu-NiMH C 5C	89899705			•	
	Stick + Stick	3 + 3	Accu-NiMH C 6C	89899707				•
NiMH 4 Ah Cs cells ①	Stick	3	Accu-NiMH 4 Ah C 3A	89899854	•			
	Stick	4	Accu-NiMH 4 Ah C 4A	89899850		•		
	Stick	5	Accu-NiMH 4 Ah C 5A	89899851			•	
	Stick	6	Accu-NiMH 4 Ah C 6A	89899852				•
	Stick + Stick	3 + 3	Accu-NiMH 4 Ah C 6C	89899853				•
Accupack NiCd 1.6 Ah		3	Pack-NiCd 3C	89899676	•			
		4	Pack-NiCd 4C	89899677		•		
		5	Pack-NiCd 5C	89899678			•	
		6	Pack-NiCd 6C	89899679				•
Accupack NiCd 4 Ah		3	Pack-NiCd 3D	89899672	•			
		4	Pack-NiCd 4D	89899673		•		
		5	Pack-NiCd 5D	89899674			•	
		6	Pack-NiCd 6D	89899675				•

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

For 1-hour operation: 1.6 Ah Cs cells NiCd or 2 Ah Cs cells NiMH.

① Maximum battery housing temperature 45 °C.

Ballast-Lumen-Faktor (BLF) in %

PC CFL COMBO for TC-DEL and TC-TEL compact lamps, 3 h

		Duration	3 h							
		Cells	3 cells	3 cells	4 cells	4 cells	5 cells	3 cells	4 cells	4 cells
		Type	PC 1x16-33 HO DD COMBO	PC 1x28-33 HO DD COMBO	PC 1x28-34 HO DD COMBO	PC 1x38-34 HO DD COMBO	PC 1x38-35 HO DD COMBO	PC 1x28-33 LO DD COMBO	PC 1x28-34 LO DD COMBO	PC 1x38-34 LO DD COMBO
		Article no.	89899926	89899957	89899958	89899933	89899975	89899943	89899955	89899981
	Lamp type	Wattage	High Output – BLF in emergency lighting mode in % for rated operating time					Low Output – BLF in emergency lighting mode in % for rated operating time		
	TC-DD	16 W	9							
		28 W		11	15			11	15	
		38 W				6	10			6

Technology and capacity	Design	Number of cells	Type	Article no.	Assignable batteries							
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	89895960	•	•				•		
	Stick	4	**Accu-NiCd 4A 55**	89800089			•	•			•	•
	Stick	5	**Accu-NiCd 5A**	89895973					•			
	Stick + Stick	3 + 2	**Accu-NiCd 5C 55**	89800090					•			
	Stick + Stick	3 + 3	**Accu-NiCd 6C**	89895963								
NiMH 4 Ah Cs cells ①	Stick	3	**Accu-NiMH 4 Ah C 3A**	89899854	•	•				•		
	Stick	4	**Accu-NiMH 4 Ah C 4A**	89899850			•	•			•	•
	Stick	5	**Accu-NiMH 4 Ah C 5A**	89899851					•			
	Stick	6	**Accu-NiMH 4 Ah C 6A**	89899852								
	Stick + Stick	3 + 3	**Accu-NiMH 4 Ah C 6C**	89899853								
Accupack NiCd 4 Ah		3	**Pack-NiCd 3D**	89899672	•	•				•		
		4	**Pack-NiCd 4D**	89899673			•	•			•	•
		5	**Pack-NiCd 5D**	89899674					•			
		6	**Pack-NiCd 6D**	89899675								

Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

For 3-hour operation: 4 Ah D cells NiCd or 4 Ah Cs cells NiMH.

① Maximum battery housing temperature 45 °C.

TC-DD

PC CFL E COMBO, 230 – 240 V 50/60 Hz

Compact fluorescent lamps

Product description

- Combination of electronic ballast and emergency lighting unit
- For TC-DD compact fluorescent lamps
- For manual testing of the emergency lighting function

Properties

- Lightweight one-part emergency lighting unit
- Simple wiring
- No compatibility problems
- 3 h rated duration
- AC operation of the lamp
- Automatic restart after relamping in normal operation
- Green charge status display LED
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Checking the emergency lighting function by interrupting the unswitched phase
- Small dimensions
- Push-in terminals
- Deep discharge protection
- Short-circuit-proof battery connection
- Polarity reversal protection for battery

Batteries

- Separate battery pack
- High-temperature cells
- NiCd batteries
- D cells

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

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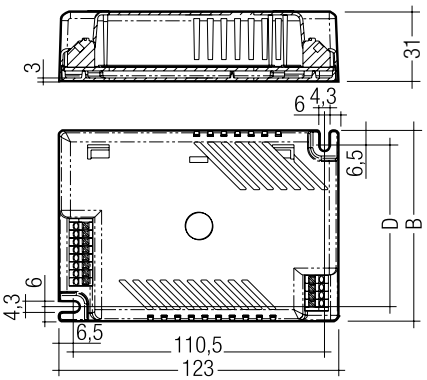
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Lamp matrix, page 393

Batteries, page 503

For wiring diagrams and installation examples see data sheet





Technical data

Rated supply voltage	230 – 240 V
Mains frequency	50 / 60 Hz
Mains voltage changeover threshold	according to EN 60598-2-22
tc point max.	75 °C
Ambient temperature ta	0 ... +55 °C
Operating frequency (normal operation)	> 42 kHz
Operating frequency (emergency mode)	typ. 17 kHz
Lamp warm start	1.6 s
Battery charging time	24 h
Charge current	200 mA
Discharge current	1.1 A
Leakage current (PE)	< 0.5 mA
Min. lamp starting temperature (normal operation)	-15 °C
Min. lamp starting temperature (emergency mode)	–
Type of protection	IP20

Ordering data

Type	Article number	Number of cells	Packaging, carton	Packaging, pallet	Weight per pc.
Rated operating time 3 h, Low Output BLF					
PC 1x28-33 LO E DD COMBO	**89899980**	3	25 pc(s).	700 pc(s).	0.220 kg
PC 1x28-34 LO E DD COMBO	**89800028**	4	25 pc(s).	700 pc(s).	0.245 kg

Specific technical data

Lamp type	Lamp wattage	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power	Circuit power	Mains current ①	λ ①	Normal operation BLF	Emergency operation BLF	Emergency operation EBLF ②	Rated duration
Rated operating time 3 h, Low Output BLF													
TC-DD	1 x 28 W	**PC 1x28-33 LO E DD COMBO**	89899980	123 x 79 x 31 mm	66.5 mm	16 W	23.4 W	0.16 A	0.63	0.7	0.105	0.090	3 h
TC-DD	1 x 28 W	**PC 1x28-34 LO E DD COMBO**	89800028	123 x 79 x 31 mm	66.5 mm	16 W	25.0 W	0.17 A	0.64	0.7	0.145	0.135	3 h

① For 230 V, 50 Hz.
② According to EN 61347-2-7: 2006.

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).	800 pc(s).	0.012 kg

Ballast-Lumen-Faktor (BLF) in %

PC CFL E COMBO for TC-DD compact lamps, 3 h

	Duration	**3 h**	
	Cells	**2 cells**	**4 cells**
	Type	**PC 1x28-33 LO E DD COMBO**	**PC 1x28-34 LO E DD COMBO**
	Article no.	**89899980**	**89800028**
Lamp type	Wattage	**BLF in emergency lighting mode in % for rated operating time**	
TC-DD	28 W	10.5	14.5

Technology and capacity	Design	Number of cells	**Type**	**Article no.**	**Assignable batteries**	
NiCd 4 Ah D cells	Stick	3	**Accu-NiCd 3A**	**89895960**	•	
	Stick	4	**Accu-NiCd 4A 55**	**89800089**		•
Accupack NiCd (high temperature)	Accupack 4 Ah	3	**Pack-NiCd 3D**	**89899672**	•	
	Accupack 4 Ah	4	**Pack-NiCd 4D**	**89899673**		•

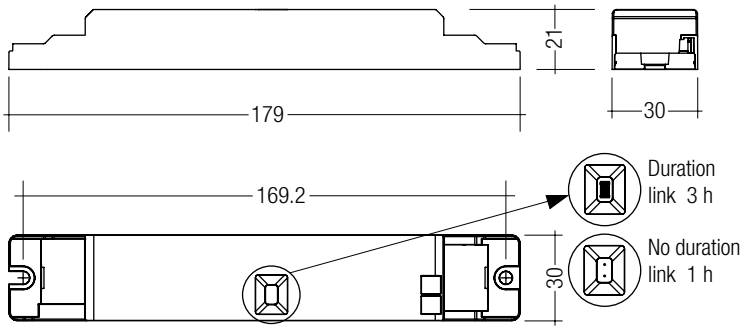
Note: 50 °C batteries are also available (see separate data sheet at www.tridonic.com).

SELV RoHS

EM converterLED BASIC 50 V

Emergency lighting units LED





Product description

- LED emergency lighting control gear 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 control gears (see data sheet, LED control gear compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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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For wiring diagrams and installation examples see data sheet

Note: Supply of control gear 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	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	Rated 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 unit
- 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
- Plug connection

Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green 1.0 m CON	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m CON	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m CON	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m CON	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

SELV RoHS

EM converterLED ST 50 V

Emergency lighting units LED

Product description

- LED emergency lighting control gear with selftest 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
- Selftest 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 control gears (see data sheet, LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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

Selftest:

- 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

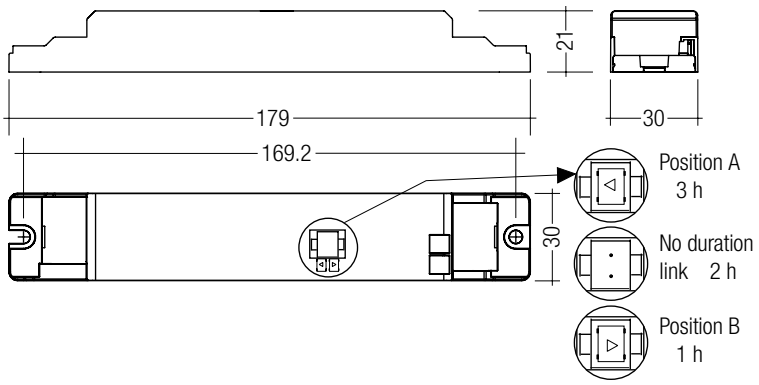
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For wiring diagrams and installation examples see data sheet





Note: Supply of control gear 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	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	70 °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 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
EM converterLED ST 103 50V	**89800181**	1/2/3 h	3	10 pc(s).	700 pc(s).
EM converterLED ST 104 50V	**89800182**	1/2/3 h	4	10 pc(s).	700 pc(s).
EM converterLED ST 134 NiCd 50V	**89800183**	3 h	4	10 pc(s).	700 pc(s).

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	1.1 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	25 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 unit
- 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 units LED

Product description

- LED emergency lighting control gear 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 control gears (see data sheet, LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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:

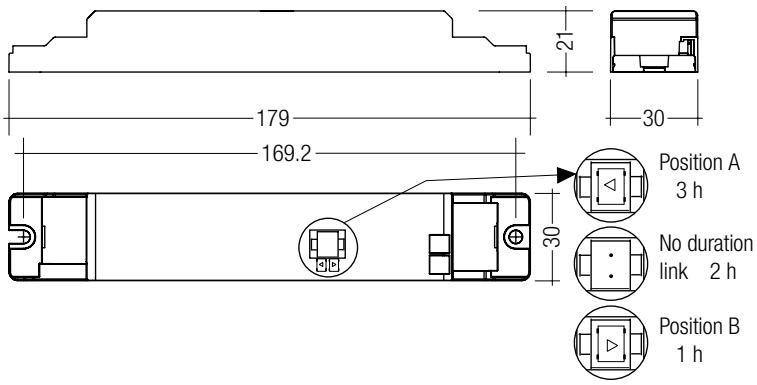
- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

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 control gear 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	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	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
EM converterLED PRO 103 50V	**89800184**	1/2/3 h	3	10 pc(s).	700 pc(s).
EM converterLED PRO 104 50V	**89800185**	1/2/3 h	4	10 pc(s).	700 pc(s).
EM converterLED PRO 134 NiCd 50V	**89800186**	3 h	4	10 pc(s).	700 pc(s).

→

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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 unit
- 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

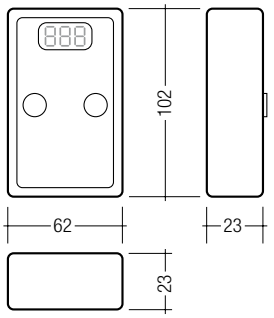
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 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 units LED

Product description

- LED emergency lighting control gear 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 control gears (see data sheet, LED control gear compatibility)
- 3-pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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

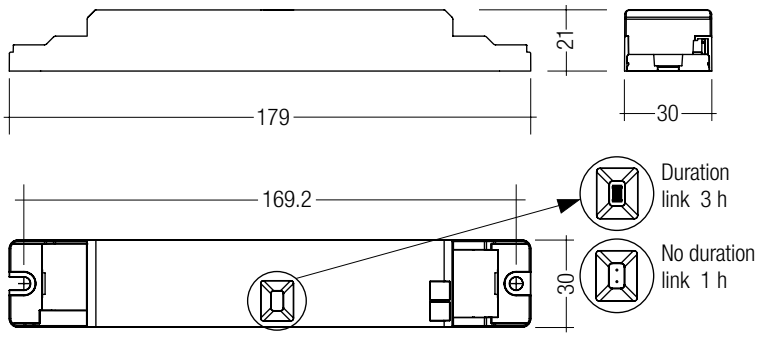
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Batteries, page 503

For wiring diagrams and installation examples see data sheet





Note: Supply of control gear 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).	0.077kg

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	Rated power in charging operation
EM converterLED BASIC 104 90V	1 h	4.0 W	27 mA	3.0 W
EM converterLED BASIC 104 90V	3 h	4.0 W	35 mA	4.0 W
EM converterLED BASIC 105 90V	1 h	5.0 W	27 mA	3.0 W
EM converterLED BASIC 105 90V	3 h	5.0 W	35 mA	4.5 W
EM converterLED BASIC 135 NiCd 90V	3 h	2.0 W	27 mA	3.0 W

RoHS

ACCES-SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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 CON



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 1.0 m CON	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m CON	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m CON	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m CON	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

SELV RoHS

EM converterLED ST 90 V

Emergency lighting units LED

Product description

- LED emergency lighting control gear with selftest 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
- Selftest 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 control gears (see data sheet, LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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

Selftest:

- 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

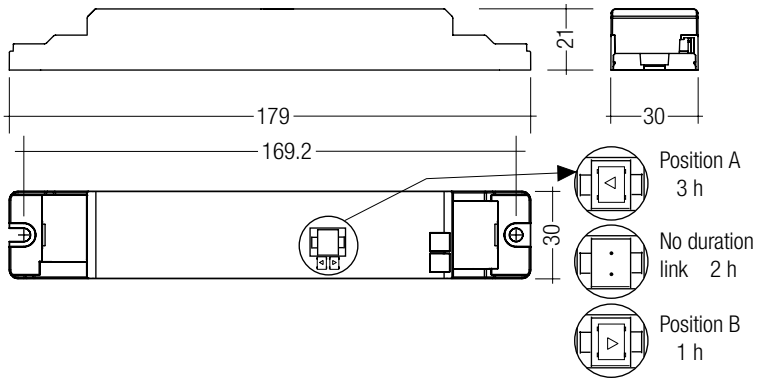
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For wiring diagrams and installation examples see data sheet





Note: Supply of control gear 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	70 °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 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
EM converterLED ST 104 90V	**89800190**	1/2/3 h	4	10 pc(s).	700 pc(s).
EM converterLED ST 105 90V	**89800191**	1/2/3 h	5	10 pc(s).	700 pc(s).
EM converterLED ST 135 NiCd 90V	**89800192**	3 h	5	10 pc(s).	700 pc(s).

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 unit
- 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 units LED

Product description

- LED emergency lighting control gear 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 control gears (see data sheet, LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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:

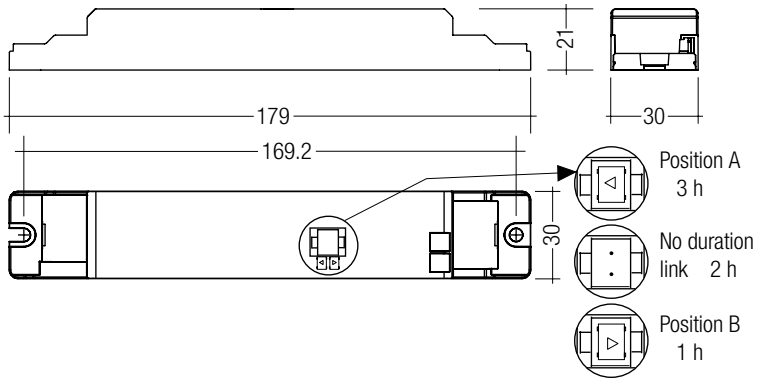
- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

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 control gear 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
EM converterLED PRO 104 90V	**89800193**	1/3 h	4	10 pc(s).	700 pc(s).
EM converterLED PRO 105 90V	**89800194**	1/3 h	5	10 pc(s).	700 pc(s).
EM converterLED PRO 135 NiCd 90V	**89800195**	3 h	5	10 pc(s).	700 pc(s).

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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 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 unit
- 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

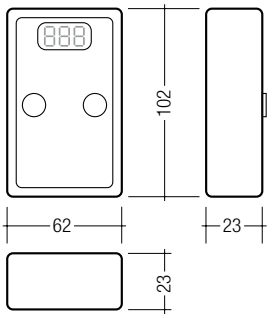
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 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

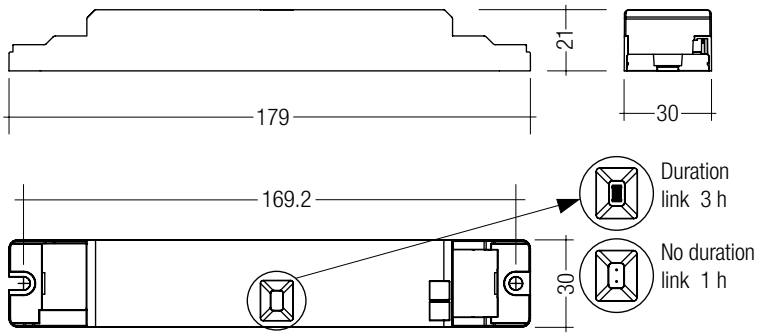
Ordering data

Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

EM converterLED BASIC 200 V

Emergency lighting units LED





Product description

- LED emergency lighting control gear 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 dimmable and non-dimmable constant current LED control gears (see data sheet: LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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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For wiring diagrams and installation examples see data sheet

Note: Control gear supplied with duration link in 3 hours position. Remove duration link for 1 hour duration. 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
LED module forward voltage range	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)
Maximum output voltage	250 V
Battery charging time ①	20 h
Ambient temperature range ta	-5 ... to +55 °C
Max. casing temperature tc	70 °C
Mains voltage changeover threshold	according to EN 60598-2-22
Type of protection	IP20

① 16 h battery charging time for 2 h emergency lighting function according to AS 2293.

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

Specific technical data

Type	Rated duration	Max. output power	Mains current in charging operation	Rated power in charging operation
EM converterLED BASIC 104 200V	1 h	4 W	27 mA	3.0 W
EM converterLED BASIC 104 200V	3 h	4 W	35 mA	4.0 W
EM converterLED BASIC 105 200V	1 h	5 W	27 mA	3.0 W
EM converterLED BASIC 105 200V	3 h	5 W	35 mA	4.5 W

RoHS

ACCES-SORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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
- Plug connection

Ordering data

Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM green 1.0 m CON	**89800269**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green, ultra high brightness 1.0 m CON	**89800271**	25 pc(s).	200 pc(s).	0.015 kg
LED EM green 0.3 m CON	**89800270**	25 pc(s).	200 pc(s).	0.005 kg
LED EM green, ultra high brightness 0.3 m CON	**89800272**	25 pc(s).	200 pc(s).	0.005 kg

RoHS

EM converterLED ST 200 V

Emergency lighting units LED

Product description

- LED emergency lighting control gear with selftest 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
- Selftest as per IEC 62034
- 1, 2 or 3 h rated duration
- Operating time selectable with plug (duration link)
- Compatible with dimmable and non-dimmable constant current LED control gears (see data sheet: LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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

Selftest:

- 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

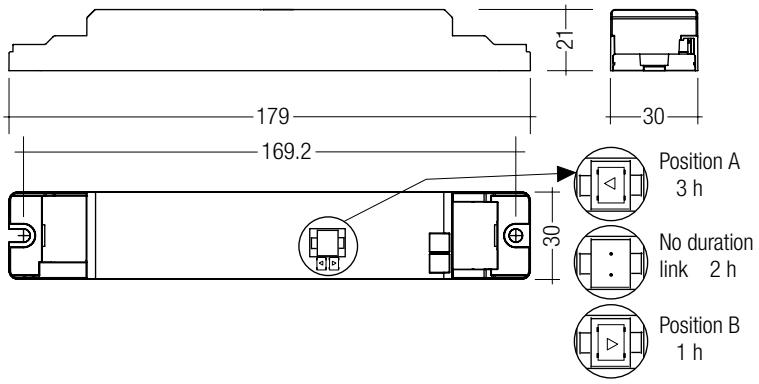
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For wiring diagrams and installation examples see data sheezt





Note: Control gear supplied 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
LED module forward voltage range	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)
Maximum output voltage	250 V
Ambient temperature range ta	-25 ... to +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 units	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 NiCd 200V	**89800310**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED ST 105 NiCd 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	Initial charge	Fast recharge	Trickle charge
EM converterLED ST 104 NiCd 200V	1 h	4 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 104 NiCd 200V	2 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 104 NiCd 200V	3 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED ST 105 NiCd 200V	1 h	5 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED ST 105 NiCd 200V	2 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED ST 105 NiCd 200V	3 h	5 W	30 mA	30 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 unit
- 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



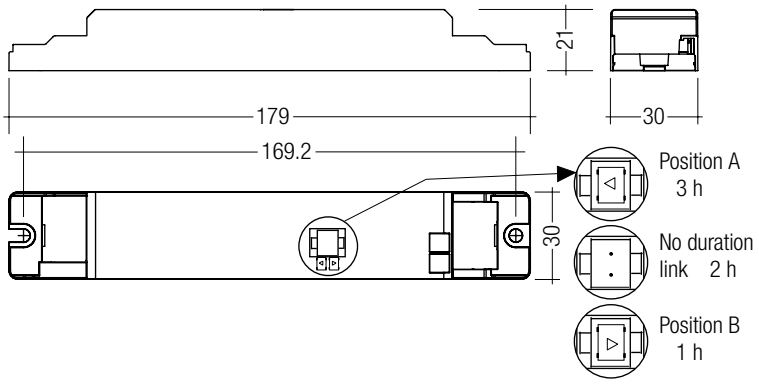
Ordering data

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 units LED





Note: Control gear supplied with duration link in 3 hours position.
Duration link must be set before battery and mains connection.

Product description

- LED emergency lighting control gear 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 dimmable and non-dimmable constant current LED control gears (see data sheet: LED control gear compatibility)
- 3 -pole technology: 2-pole LED module changeover and delayed power switching for the LED control gear
- 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
LED module forward voltage range	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)
Maximum output voltage	250 V
Ambient temperature range ta	-25 ... to +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 NiCd 200V	**89800312**	1/2/3 h	4	10 pc(s).	800 pc(s).	0.08 kg
EM converterLED PRO 105 NiCd 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	Initial charge	Fast recharge	Trickle charge
EM converterLED PRO 104 NiCd 200V	1 h	4 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 104 NiCd 200V	2 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 104 NiCd 200V	3 h	4 W	27 mA	30 mA	20 mA	4.0 W	4.3 W	2.2 W
EM converterLED PRO 105 NiCd 200V	1 h	5 W	20 mA	25 mA	17 mA	2.5 W	3.1 W	1.7 W
EM converterLED PRO 105 NiCd 200V	2 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W
EM converterLED PRO 105 NiCd 200V	3 h	5 W	30 mA	30 mA	20 mA	4.5 W	4.8 W	2.5 W

RoHS

ACCESSORIES

Test switch EM3



Product description

- For connection to the emergency lighting unit
- 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

ACCESSORIES

Status indication bi-colour LED EM CON



Product description

- Bi-colour status display LED
- Green: system OK, red: fault
- Plug connection

Ordering data

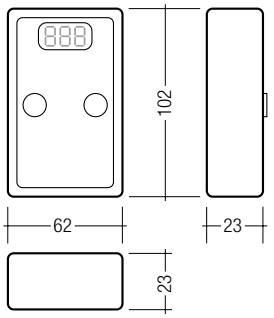
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour 1.0 m CON	**89800273**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour HO 1.0 m CON	**89800275**	25 pc(s).	200 pc(s).	0.015 kg
LED EM bi-colour 0.3 m CON	**89800274**	25 pc(s).	200 pc(s).	0.005 kg
LED EM bi-colour HO 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

EM powerLED BASIC 1 – 2 W

Combined emergency lighting units LED 1 – 4 W

Product description

- LED emergency lighting control gear for manual testing

Properties

- Mains and emergency operation
- Low profile casing (21 x 30 mm cross-section)
- 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
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Batteries

- High-temperature cells 2 Ah
- 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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Batteries, page 503

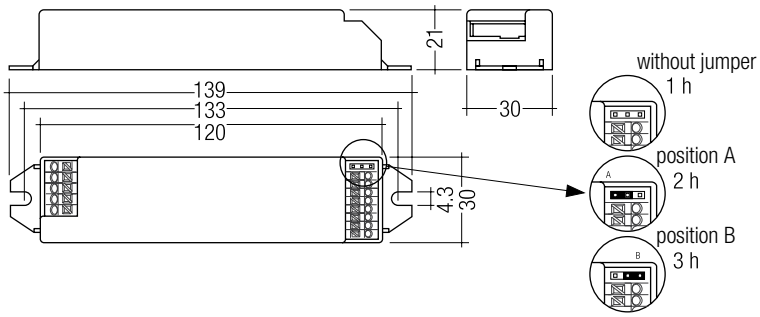
For wiring diagrams and installation examples see data sheet



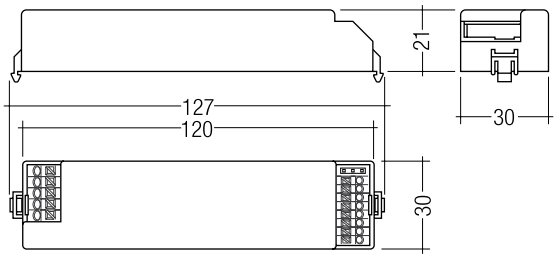
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current, 1 W device	30 mA
Mains current, 2 W device	42 mA
Power in mains operation, 1 W device	4 W
Power in mains operation, 2 W device	5 W
Overvoltage protection	320 V (for 1 h)
Battery charging time	12 h
Charge current, initial charge	125 mA
Charge current, fast charge	210 mA
Charge current, trickle charge	50 mA
Battery discharge current	see data sheet
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	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 1 W BASIC	**89899858**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W BASIC	**89899859**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W
Clip fastening version						
EM powerLED 1 W BASIC	**89899865**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W BASIC	**89899866**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W

Specific technical data

Type	Ambient temperature ta	LED current in emergency operation		LED current in mains operation		Number of cells / jumper		
		1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 h / removed	2 h / position A	3 h / position B
EM powerLED 1 W BASIC	-25 ... +50 °C	350 mA	–	350 mA	–	–	–	–
EM powerLED 2 W BASIC	-25 ... +50 °C	600 mA	350 mA	350 mA	350 mA	–	–	–

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

EM powerLED SELFTEST 1 – 2 W

Combined emergency lighting units LED 1 – 4 W

Product description

- LED emergency lighting control gear with selftest function

Properties

- Mains and emergency operation
- Selftest as per IEC 62034
- Low profile casing (21 x 30 mm)
- 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
- Bi-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
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Selftest:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells 2 Ah
- 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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Batteries, page 503

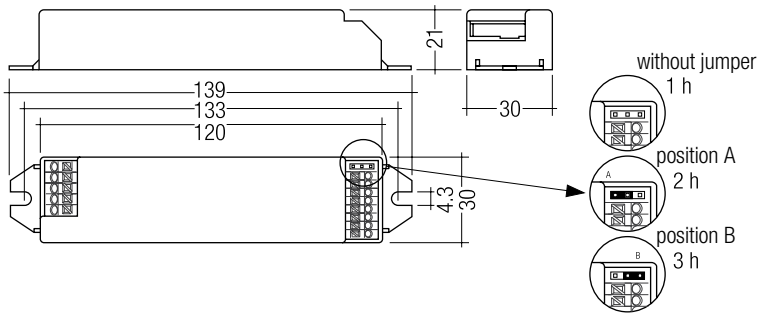
For wiring diagrams and installation examples see data sheet



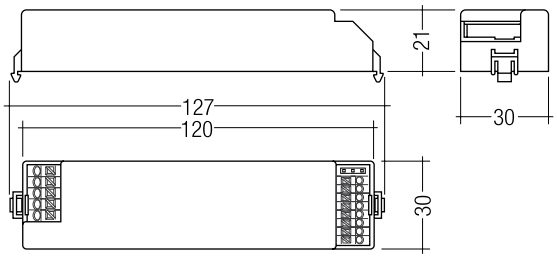
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current, 1 W device	30 mA
Mains current, 2 W device	42 mA
Power in mains operation, 1 W device	4 W
Power in mains operation, 2 W device	5 W
Overvoltage protection	320 V (for 1 h)
Battery charging time	12 h
Charge current, initial charge	125 mA
Charge current, fast charge	210 mA
Charge current, trickle charge	50 mA
Battery discharge current	see data sheet
Max. casing temperature tc	70 °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 5 s test
Service life test	Yearly 1 / 2 / 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 1 W ST	**89899860**	25 pc(s).	600 pc(s).	0.101 kg	1	1.2 W
EM powerLED 2 W ST	**89899861**	25 pc(s).	600 pc(s).	0.101 kg	2	2.0 W
Clip fastening version						
EM powerLED 1 W ST	**89899867**	25 pc(s).	600 pc(s).	0.101 kg	1	1.2 W
EM powerLED 2 W ST	**89899868**	25 pc(s).	600 pc(s).	0.101 kg	2	2.0 W

Specific technical data

Type	Ambient temperature ta	LED current in emergency operation		LED current in mains operation		Number of cells / jumper		
		1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 h / removed	2 h / position A	3 h / position B
EM powerLED 1 W ST	-25 ... +50 °C	350 mA	–	350 mA	–	–	–	–
EM powerLED 2 W ST	-25 ... +50 °C	600 mA	350 mA	350 mA	350 mA	–	–	–

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.013 kg

EM powerLED PRO EZ-3, 1 – 2 W

Combined emergency lighting units LED 1 – 4 W

Product description

- LED emergency lighting control gear with DALI interface nd automatic test function

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
- Low profile casing (21 x 30 mm cross-section)
- 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
- Bi-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
- 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
- Blade terminals for simple connection

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

→

Standards, page 392

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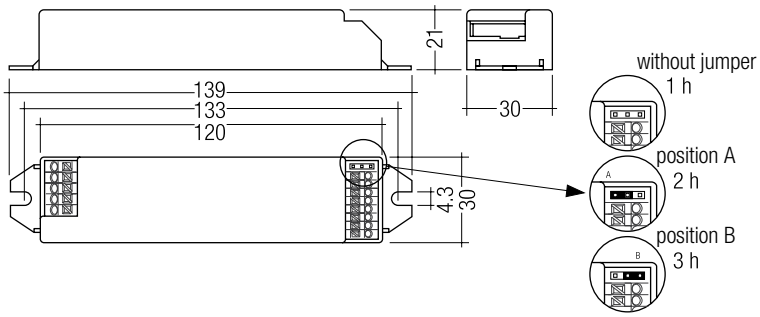
For wiring diagrams and installation examples see data sheet



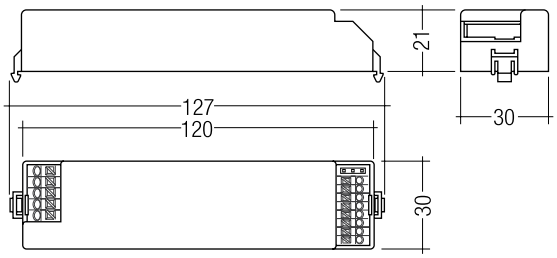
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current, 1 W device	30 mA
Mains current, 2 W device	42 mA
Power in mains operation, 1 W device	4 W
Power in mains operation, 2 W device	5 W
Overvoltage protection	320 V (for 1 h)
Battery charging time	12 h
Charge current, initial charge	125 mA
Charge current, fast charge	210 mA
Charge current, trickle charge	50 mA
Battery discharge current	see data sheet
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	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 1W PRO EZ-3	**89800029**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W PRO EZ-3	**89800030**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W
Clip fastening version						
EM powerLED 1 W PRO EZ-3	**89800031**	25 pc(s).	600 pc(s).	0.101 kg	1	1 W
EM powerLED 2 W PRO EZ-3	**89800032**	25 pc(s).	600 pc(s).	0.101 kg	2	2 W

Specific technical data

Type	Ambient temperature ta	LED current in emergency operation		LED current in mains operation		Number of cells / jumper		
		1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 h / removed	2 h / position A	3 h / position B
EM powerLED 1 W PRO EZ-3	-25 ... +50 °C	350 mA	–	350 mA	–	–	–	–
EM powerLED 2 W PRO EZ-3	-25 ... +50 °C	600 mA	350 mA	350 mA	350 mA	–	–	–

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 kg

RoHS

ACCES-SORIES

Status indication bi-colour LED EM



Product description

- Bi-colour status display LED
- Green: system OK, red: fault

Ordering data

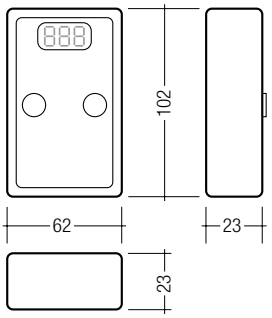
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	800 pc(s).	0.013 kg

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

RoHS

EM powerLED NM BASIC 1 W

Combined emergency lighting units LED 1 – 4 W

Product description

- LED emergency lighting control gear for manual testing

Properties

- Non maintained operation
- Low profile casing (21 x 30 mm cross-section)
- 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
- 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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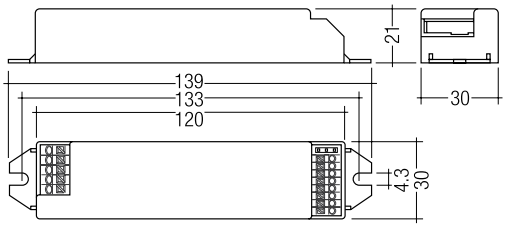
For wiring diagrams and installation examples see data sheet



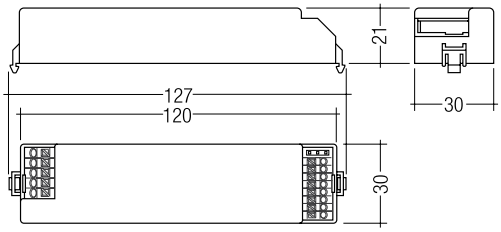
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	15 mA
Mains power in charging operation	1.3 W
LED current in emergency operation	320 mA
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
Ambient temperature ta	0 ... +60 °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	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 unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

EM powerLED BASIC 4 W

Combined emergency lighting units LED 1 – 4 W

Product description

- LED emergency lighting control gear for manual testing

Properties

- Non maintained operation
- Low profile casing (21 x 30 mm cross-section)
- 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
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Batteries

- High-temperature cells NiMH/NiCd
- 2 Ah NiMH for 1 h operating time
- 4 Ah NiMH or NiCd for 2 or 3 h operating time
- Blade terminals for simple connection

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

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Batteries, page 503

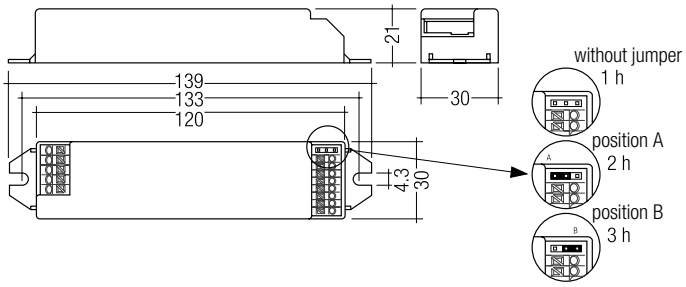
For wiring diagrams and installation examples see data sheet



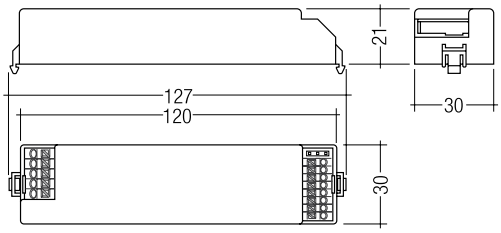
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	30 mA
Leistungsfaktor	0.34
Mains power in charging operation	4 W
Maximum LED forward bias Vf	3.4 V (1 x LED) / 6.8 V (2 x LED)
Overvoltage protection	320 V (for 1 h)
Initial charge 2 / 4 Ah	20 h
Battery charging time 2 Ah at fast charge ①	10 h
Charge current, initial charge – 2 Ah ①	130 mA
Charge current, fast charge – 2 Ah ①	250 mA
Charge current, trickle charge – 2 Ah ①	60 mA
Battery charging time 4 Ah at fast charge ②	15 h
Charge current, initial charge – 4 Ah ②	250 mA
Charge current, fast charge – 4 Ah ②	330 mA
Charge current, trickle charge – 4 Ah ②	130 mA
Battery discharge current	see data sheet
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	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 4 W BASIC	**89800122**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
Clip fastening version						
EM powerLED 4 W BASIC	**89800121**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W

Specific technical data

Type	Ambient temperature ta	LED current in emergency operation		Number of cells / jumper		
		1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 h / removed	2 h / position A	3 h / position B
EM powerLED 4 W BASIC	-25 ... +45 °C	1,000 mA	700 mA	5 cells / 2 Ah	5 cells / 4 Ah	5 cells / 4 Ah

① 1 h operating time.
② 2/3 h operating time.

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.012 kg

EM powerLED SELFTEST 4 W

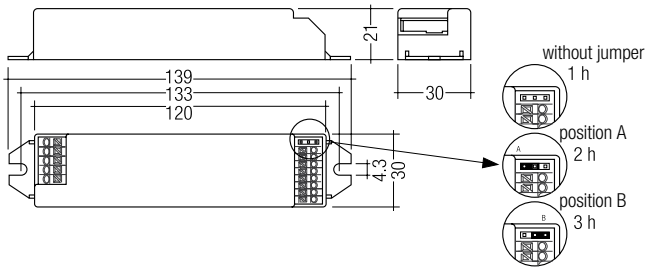
Combined emergency lighting units LED 1 – 4 W



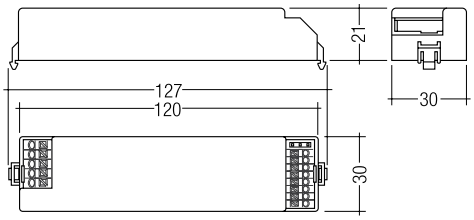
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Product description

- LED emergency lighting control gear with selftest function

Properties

- Non maintained operation
- Selftest as per IEC 62034
- Low profile casing (21 x 30 mm cross-section)
- 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
- Bi-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
- Short-circuit-proof battery connection
- Emergency lighting LEDs available

Selftest:

- Status of the battery
- Status of the LED
- Charge condition
- Function test
- Duration test

Batteries

- High-temperature cells NiMH/NiCd
- 2 Ah NiMH for 1 h operating time
- 4 Ah NiMH or NiCd for 2 or 3 h operating time
- Blade terminals for simple connection

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

→

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Batteries, page 503

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	30 mA
Leistungsfaktor	0.34
Mains power in charging operation	4 W
Maximum LED forward bias Vf	3.4 V (1 x LED) / 6.8 V (2 x LED)
Overvoltage protection	320 V (for 1 h)
Initial charge 2 / 4 Ah	20 h
Battery charging time 2 Ah at fast charge ①	10 h
Charge current, initial charge – 2 Ah ①	130 mA
Charge current, fast charge – 2 Ah ①	250 mA
Charge current, trickle charge – 2 Ah ①	60 mA
Battery charging time 4 Ah at fast charge ②	15 h
Charge current, initial charge – 4 Ah ②	250 mA
Charge current, fast charge – 4 Ah ②	330 mA
Charge current, trickle charge – 4 Ah ②	130 mA
Battery discharge current	see data sheet
Max. casing temperature tc	70 °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 5 s 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	**89800124**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
Clip fastening version						
EM powerLED 4 W ST	**89800123**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W

Specific technical data

Type	Ambient temperature ta	LED current in emergency operation		Number of cells / jumper		
		1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 h / removed	2 h / position A	3 h / position B
EM powerLED 4 W ST	-25 ... +45 °C	1,000 mA	700 mA	5 cells / 2 Ah	5 cells / 4 Ah	5 cells / 4 Ah

① 1 h operating time.
② 2/3 h operating time.

RoHS

ACCES-SORIES

Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 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).	800 pc(s).	0.013 kg

EM powerLED PRO EZ-3, 4 W

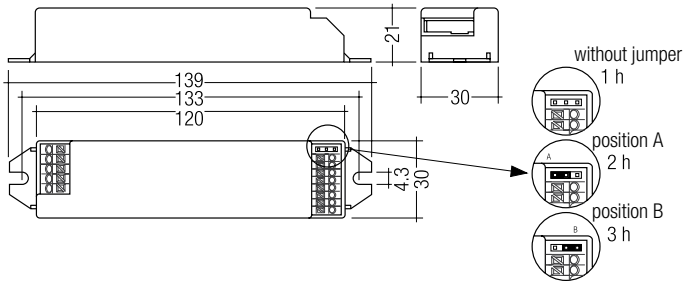
Combined emergency lighting units LED 1 – 4 W



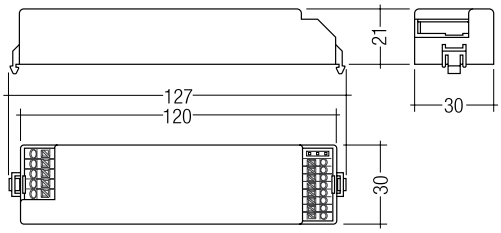
Screw-fix



Clip-fix



Screw-fix



Clip-fix

Product description

- LED emergency lighting control gear with DALI interface and automatic test function

Properties

- Non maintained operation
- DALI interface for controlled testing and monitoring
- Low profile casing (21 x 30 mm cross-section)
- 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
- Bi-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
- 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 NiMH/NiCd
- 2 Ah NiMH for 1 h operating time
- 4 Ah NiMH or NiCd for 2 or 3 h operating time
- Blade terminals for simple connection

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

→

Standards, page 392

Batteries, page 503

For wiring diagrams and installation examples see data sheet

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Mains current	30 mA
Leistungsfaktor	0.34
Mains power in charging operation	4 W
Maximum LED forward bias Vf	3.4 V (1 x LED) / 6.8 V (2 x LED)
Overvoltage protection	320 V (for 1 h)
Initial charge 2 / 4 Ah	20 h
Battery charging time 2 Ah at fast charge ①	10 h
Charge current, initial charge – 2 Ah ①	130 mA
Charge current, fast charge – 2 Ah ①	250 mA
Charge current, trickle charge – 2 Ah ①	60 mA
Battery charging time 4 Ah at fast charge ②	15 h
Charge current, initial charge – 4 Ah ②	250 mA
Charge current, fast charge – 4 Ah ②	330 mA
Charge current, trickle charge – 4 Ah ②	130 mA
Battery discharge current	see data sheet
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	Packaging, carton	Packaging, pallet	Weight per pc.	Max. number of LEDs	Wattage
Screw fastening version						
EM powerLED 4 W PRO EZ-3	**89800126**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W
Clip fastening version						
EM powerLED 4 W PRO EZ-3	**89800125**	25 pc(s).	600 pc(s).	0.101 kg	2	4 W

Specific technical data

Type	Ambient temperature ta	LED current in emergency operation		Number of cells / jumper		
		1 x LED (Vf = 3.4 V)	2 x LED (Vf = 6.8 V)	1 h / removed	2 h / position A	3 h / position B
EM powerLED 4 W PRO EZ-3	-25 ... +45 °C	1,000 mA	700 mA	5 cells / 2 Ah	5 cells / 4 Ah	5 cells / 4 Ah

① 1 h operating time.
② 2/3 h operating time.

RoHS

ACCESSORIES Test switch EM2



Product description

- For connection to the emergency lighting unit
- 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).	0.011 kg

RoHS

ACCESSORIES Status indication bi-colour LED EM



Product description

- Bi-colour status display LED
- Green: system OK, red: fault

Ordering data

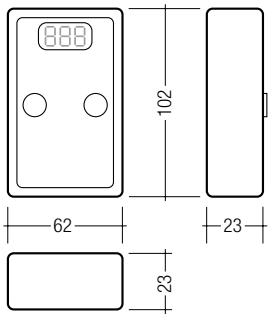
Type	Article number	Packaging, bag	Packaging, carton	Weight per pc.
LED EM bi-colour	**89899720**	25 pc(s).	200 pc(s).	0.017 kg
LED EM bi-colour, high brightness	**89899753**	25 pc(s).	800 pc(s).	0.013 kg

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

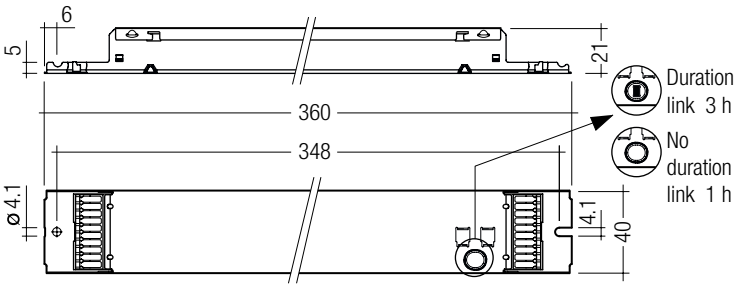
Type	Article number	Packaging, carton	Weight per pc.
EM PRO addressing tool	**89899836**	1 pc(s).	0.08 kg

SELV RoHS

EM powerLED BASIC 50 W 4x300/350 mA

Combined emergency lighting units LED 15 – 50 W





Note: Supply of control gear 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

- 4-channel control gear for LED for mains operation with integrated Simple CORRIDOR FUNCTION (CF) and emergency lighting funtion for manual testing
- SELV for output voltage < 60 V DC
- Depending on wiring also suitable for 2 x 600/700 mA
- For luminaire installation
- For the use with STARK QLE and LLE

Properties

- Constant current LED control gear 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 unit
- 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
- LED modules and sensors available

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 392

Batteries, page 503

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, 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	36 V
Min. forward voltage Vf LED module	29 V
Max. output voltage	60 V
Time to light	0.3 s from detection of emergency event
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
EM powerLED BASIC 4x300mA 103	**89800291**	1/3 h	3	10 pc(s).	600 pc(s).
EM powerLED BASIC 4x300mA 104	**89800292**	1/3 h	4	10 pc(s).	600 pc(s).
EM powerLED BASIC 4x300mA 134 NiCd	**89800293**	3 h	4	10 pc(s).	600 pc(s).
EM powerLED BASIC 4x350mA 103	**89800260**	1/3 h	3	10 pc(s).	600 pc(s).
EM powerLED BASIC 4x350mA 104	**89800261**	1/3 h	4	10 pc(s).	600 pc(s).
EM powerLED BASIC 4x350mA 134 NiCd	**89800262**	3 h	4	10 pc(s).	600 pc(s).

Specific technical data

Type	Article number	Number of cells	Rated duration	Mains power	Mains current	Typ. output power	Typ. output current
Normal operation							
EM powerLED BASIC 4x300mA 103	89800291	3	1/3 h	49 W	240 mA	40.0 W	300 mA
EM powerLED BASIC 4x300mA 104	89800292	4	1/3 h	49 W	240 mA	40.0 W	300 mA
EM powerLED BASIC 4x300mA 134 NiCd	89800293	4	3 h	48 W	235 mA	40.0 W	300 mA
EM powerLED BASIC 4x350mA 103	89800260	3	1/3 h	56 W	250 mA	46.0 W	350 mA
EM powerLED BASIC 4x350mA 104	89800261	4	1/3 h	56 W	250 mA	46.0 W	350 mA
EM powerLED BASIC 4x350mA 134 NiCd	89800262	4	3 h	55 W	245 mA	46.0 W	350 mA
CF operation							
EM powerLED BASIC 4x300mA 103	89800291	3	1/3 h	12 W	70 mA	4.6 W	42 mA
EM powerLED BASIC 4x300mA 104	89800292	4	1/3 h	12 W	70 mA	4.6 W	42 mA
EM powerLED BASIC 4x300mA 134 NiCd	89800293	4	3 h	12 W	70 mA	4.6 W	42 mA
EM powerLED BASIC 4x350mA 103	89800260	3	1/3 h	12 W	70 mA	4.6 W	42 mA
EM powerLED BASIC 4x350mA 104	89800261	4	1/3 h	12 W	70 mA	4.6 W	42 mA
EM powerLED BASIC 4x350mA 134 NiCd	89800262	4	3 h	12 W	70 mA	4.6 W	42 mA
Emergency operation							
EM powerLED BASIC 4x300mA 103	89800291	3	1/3 h	–	–	2.2 W	65 mA
EM powerLED BASIC 4x300mA 104	89800292	4	1/3 h	–	–	2.9 W	95 mA
EM powerLED BASIC 4x300mA 134 NiCd	89800293	4	3 h	–	–	1.2 W	36 mA
EM powerLED BASIC 4x350mA 103	89800260	3	1/3 h	–	–	2.2 W	65 mA
EM powerLED BASIC 4x350mA 104	89800261	4	1/3 h	–	–	2.9 W	95 mA
EM powerLED BASIC 4x350mA 134 NiCd	89800262	4	3 h	–	–	1.2 W	36 mA

SELV RoHS

EM powerLED 50 W CPS 4x300/350 mA

Combined emergency lighting units LED 15 – 50 W

Product description

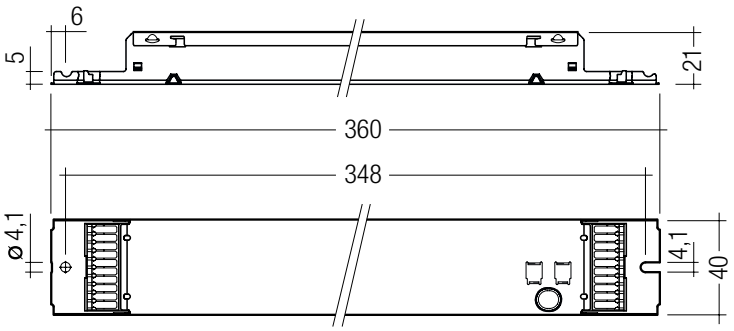
- 4-channel control gear for LED for mains operation with integrated Simple CORRIDOR FUNCTION (CF)
- For use in central battery systems
- SELV for output voltage < 60 V DC
- Depending on wiring also suitable for 2 x 600/700 mA
- For luminaire installation
- For the use with STARK QLE and LLE

Properties

- Constant current LED control gear 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
- LED modules and sensors available

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





Note: Supply of control gear 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
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)	0.95
Leakage current (PE)	< 0.5 mA
Overvoltage protection	320 V (for 1 h)
Max. forward voltage Vf LED module	36 V
Min. forward voltage Vf LED module	29 V
Max. output voltage	60 V
Time to light (at 230 V, 50 Hz, full load)	180 ms
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
EM powerLED CPS 4x300mA	**89800294**	10 pc(s).	600 pc(s).
EM powerLED CPS 4x350mA	**89800295**	10 pc(s).	600 pc(s).

→

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For wiring diagrams and installation examples see data sheet

Specific technical data

Type	Article number	Mains power	Mains current	Typ. output power	Typ. output current
Normal operation					
EM powerLED CPS 4x300mA	89800294	47.0 W	210 mA	39.0 W	300 mA
EM powerLED CPS 4x350mA	89800295	53.0 W	240 mA	45.0 W	350 mA
CF operation					
EM powerLED CPS 4x300mA	89800294	8.5 W	55 mA	4.6 W	42 mA
EM powerLED CPS 4x350mA	89800295	8.5 W	55 mA	4.6 W	42 mA

SELV

EM powerLED BASIC 15 W CLE

Combined emergency lighting units LED 15 – 50 W

Product description

- Control gear for LED 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 control gear with 470 mA output current
- Simple CORRIDOR FUNCTION (CF) with 10 % light level
- Integrated 1 W emergency lighting unit 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

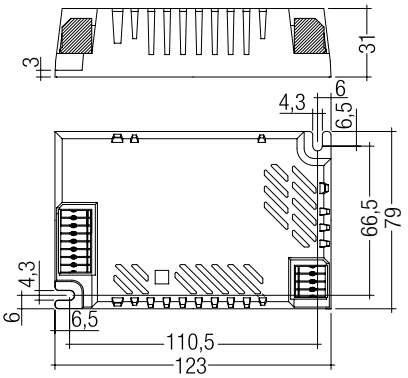
→ For product data sheet go to www.tridonic.com, or available on request

Standards, page 392

Batteries, page 503

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

① The use of the emergency LED with a higher forward voltage then 3.4 V reduces the operating time.

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

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).	800 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).	0.079 kg

SELV

EM powerLED 15 W CLE CPS

Combined emergency lighting units LED 15 – 50 W

Product description

- Control gear for LED 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 control gear 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

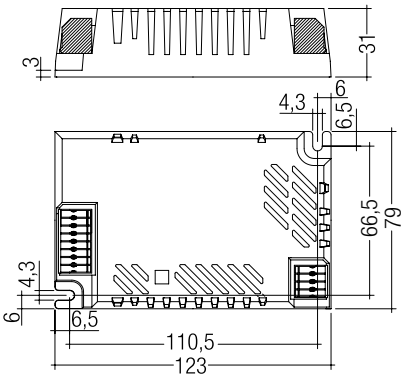
→ For product data sheet go to www.tridonic.com, or available on request

→

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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

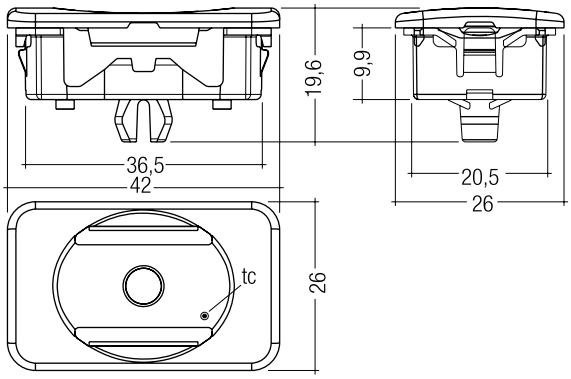
Type	Article number	Packaging, carton	Weight per pc.
SWITCH Sensor HF 5BP	**28000086**	4 pc(s).	0.079 kg

RoHS

TALEX(module 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 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 392

For specific technical data, 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	75 °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

① If the max. temperature limits are exceeded, the life time 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 colour rendering index CRI according to CIE 1931.

RoHS

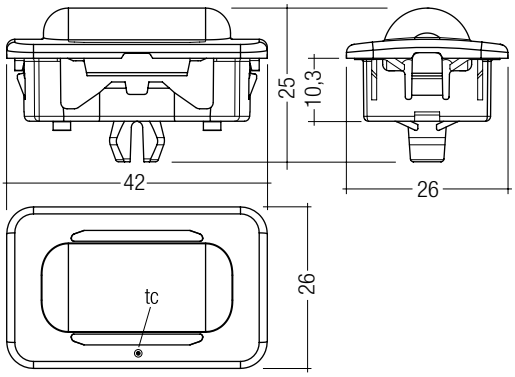
TALEXmodule EM-ER 004
EM LED light sources

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 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 specific technical data, 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	75 °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

① If the max. temperature limits are exceeded, the life time of the module will be reduced or the module may be damaged. The temperature of the umodule 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.

RoHS

TALEX(module EM-ES 08/10/12

EM LED light sources

Product description

- Lighting module with 8, 10 or 12 high-power LEDs (emergency lighting strip)
- For use in escape route signs
- Compatible with EM powerLED 1 W

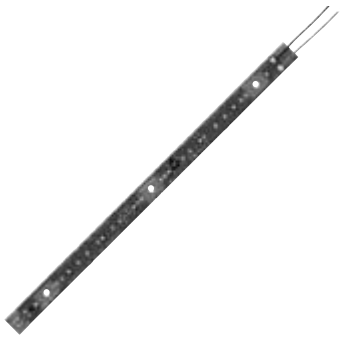
Properties

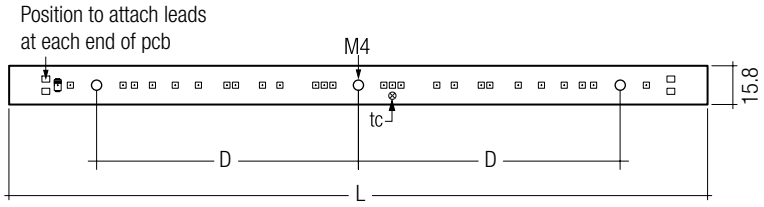
- Suitable for Tridonic EM powerLED emergency lighting units
- For permanent and stand-by operation
- Wide 120° distribution of light for uniform illumination
- Operation on a constant current source
- Replacement for 8 W T5 flourescent lamp
- Several options for uniform light distribution
- Can be interconnected to create longer strips
- Low energy consumption
- Long life thanks to low operating temperature
- Provides a maintenance-free escape sign system
- Polarity reversal protection for battery
- Simple mounting/installation
- Connecting cable 300 mm

Note

- Separate status LED required

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





Ordering data

Type	Article number	Colour	Colour temperature	Packaging, carton	Packaging, pallet	Weight per pc.
8 light points per module						
EM-ES 08 285	**89899947**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.016 kg
EM-ES 08 246	**89899954**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.014 kg
10 light points per module						
EM-ES 10 285	**89899948**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.017 kg
12 light points per module						
EM-ES 12 285	**89899949**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.018 kg

→

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For colour temperatures, tolerances, wiring diagrams and installation examples see data sheet

Specific technical data

Type	Typ. luminous flux ① ②	Max. current ③	Power ① ②	Ambient temperature ta ②	tc point ④	Total length	Hole spacing D
8 light points per module							
EM-ES 08 246	80 lm	350 mA	typ. 1.1 W	-20 ... +40 °C	60 °C	246 mm	97.9 mm
EM-ES 08 285	80 lm	350 mA	typ. 1.1 W	-20 ... +40 °C	60 °C	285 mm	106.8 mm
10 light points per module							
EM-ES 10 285	80 lm	350 mA	typ. 1.1 W	-20 ... +40 °C	60 °C	285 mm	106.8 mm
12 light points per module							
EM-ES 12 285	80 lm	350 mA	typ. 1.1 W	-20 ... +40 °C	60 °C	285 mm	106.8 mm

① Tolerance range for optical and electrical data: ±15 %.
② Data for operation with 350 mA.
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 If the max. temperature limits are exceeded, the life time 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.

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).	800 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).	800 pc(s).	0.013 kg

RoHS

TALEX(module 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 W

Properties

- Suitable for Tridonic EM powerLED emergency lighting units
- 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 thanks to low operating temperature
- Provides a maintenance-free escape sign system
- Simple mounting/installation
- Push-in terminals for simple and quick wiring

Note

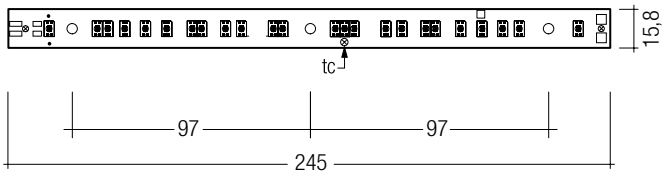
- Separate status LED required

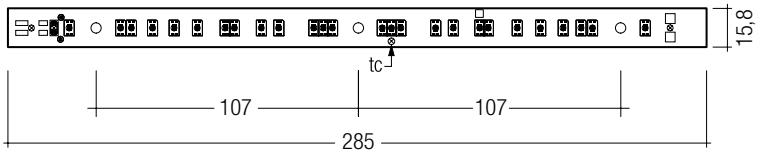
→ For product data sheet go to www.tridonic.com, or available on request

Technical data

Ambient temperature ta ①	-30 ... +55 °C
Typ. tc point ②	60 °C
Typ. luminous flux at 25 °C ① ③	100 lm
Max. forward current ④	350 mA
Typ. forward voltage at 25 °C	3.2 V
Max. forward voltage	3.4 V
Typ. power ① ③	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.
12 light points per module						
ES 12 285 Mk2	**89800248**	Daylight white	6,500 K	25 pc(s).	600 pc(s).	0.018 kg
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

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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 time 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 CON



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).	800 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

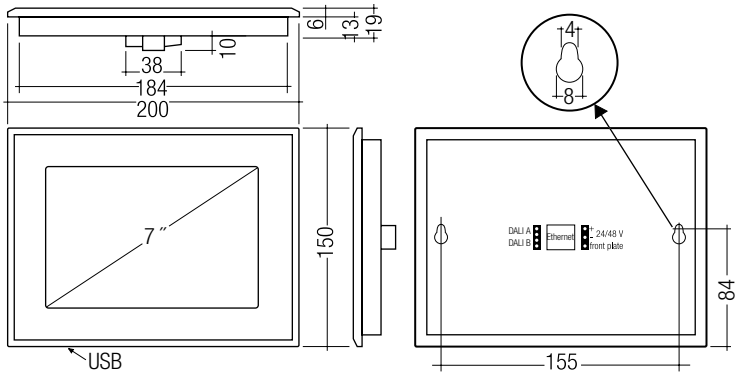
Ordering data

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).	800 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 units (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 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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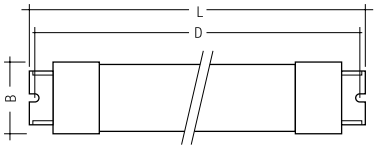
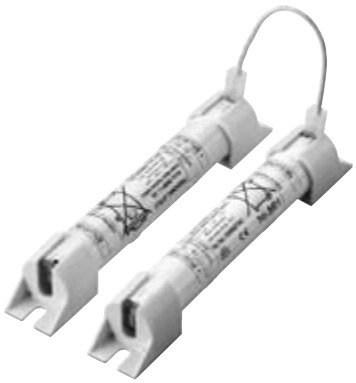


Fig. 1: stick



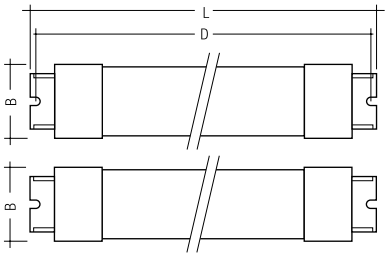


Fig. 2: stick + stick



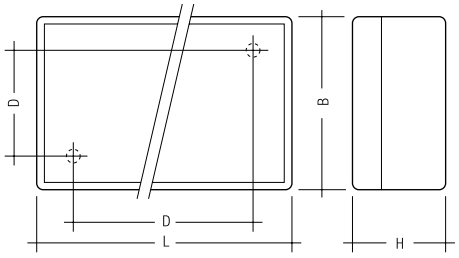


Fig. 3: side by side

Technical data

Battery voltage per cell	1.2 V
Battery case temperature (for a life time of 4 years)	0 ... +55 °C
Max. short term temperature (reduced life time)	70 °C

Ordering data

Type	Article number ①	Number of cells	Capacity	Packaging, carton	Packaging, outer box	Weight per pc.
NiCd D cells – stick						
Accu-NiCd 2A 55	**89800092**	1 x 2	4.5 Ah	5 pc(s).	25 pc(s).	0.255 kg
Accu-NiCd 3A	**89895960**	1 x 3	4.2 Ah	5 pc(s).	25 pc(s).	0.394 kg
Accu-NiCd 4A 55	**89800089**	1 x 4	4.5 Ah	5 pc(s).	25 pc(s).	0.500 kg
Accu-NiCd 5A	**89895973**	1 x 5	4.2 Ah	5 pc(s).	25 pc(s).	0.657 kg
NiCd D cells – stick + stick						
Accu-NiCd 4C	**89895978**	2 + 2	4.2 Ah	5 pc(s).	25 pc(s).	0.526 kg
Accu-NiCd 5C 55	**89800090**	2 + 3	4.5 Ah	5 pc(s).	25 pc(s).	0.620 kg
Accu-NiCd 6C	**89895963**	3 + 3	4.2 Ah	5 pc(s).	25 pc(s).	0.789 kg
NiCd D cells – side by side						
Accu-NiCd 3B	**89895976**	3 x 1	4.2 Ah	5 pc(s).	25 pc(s).	0.394 kg
Accu-NiCd 4B	**89895977**	4 x 1	4.2 Ah	5 pc(s).	25 pc(s).	0.526 kg
NiCd Cs cells – stick						
Accu-NiCd C 3A	**89899743**	3	1.6 Ah	5 pc(s).	25 pc(s).	0.135 kg
Accu-NiCd C 4A	**89899692**	1 x 4	1.6 Ah	5 pc(s).	25 pc(s).	0.180 kg
Accu-NiCd C 5A	**89899695**	1 x 5	1.6 Ah	5 pc(s).	25 pc(s).	0.225 kg
Accu-NiCd C 6A	**89899698**	1 x 6	1.6 Ah	5 pc(s).	25 pc(s).	0.270 kg
NiCd Cs cells – stick + stick						
Accu-NiCd C 4C	**89899694**	2 + 2	1.6 Ah	5 pc(s).	25 pc(s).	0.180 kg
Accu-NiCd C 5C	**89899697**	3 + 2	1.6 Ah	5 pc(s).	25 pc(s).	0.225 kg
Accu-NiCd C 6C	**89899699**	3 + 3	1.6 Ah	5 pc(s).	25 pc(s).	0.270 kg
NiCd Cs cells – side by side						
Accu-NiCd C 4B	**89899693**	4 x 1	1.6 Ah	5 pc(s).	25 pc(s).	0.180 kg
Accu-NiCd C 5B	**89899696**	5 x 1	1.6 Ah	5 pc(s).	25 pc(s).	0.225 kg

Specific technical data

Type	Number of cells	Capacity	Article number ①	Figure	Length L	Hole spacing D	Width B	Height H
NiCd D cells – stick								
Accu-NiCd 2A 55	2	4.5 Ah	89800092	1	152 mm	140 mm	36 mm	35 mm
Accu-NiCd 3A	3	4.2 Ah	89895960	1	210 mm	198 mm	36 mm	35 mm
Accu-NiCd 4A 55	4	4.5 Ah	89800089	1	269 mm	257 mm	36 mm	35 mm
Accu-NiCd 5A	5	4.2 Ah	89895973	1	328 mm	316 mm	36 mm	35 mm
NiCd D cells – stick + stick								
Accu-NiCd 4C	4	4.2 Ah	89895978	2	152 mm	140 mm	36 mm	35 mm
Accu-NiCd 5C 55	5	4.5 Ah	89800090	2	152 + 210 mm	140 + 198 mm	36 mm	35 mm
Accu-NiCd 6C	6	4.2 Ah	89895963	2	210 mm	198 mm	36 mm	35 mm
NiCd D cells – side by side								
Accu-NiCd 3B	3	4.2 Ah	89895976	3	98 mm	40 x 33 mm	65 mm	35 mm
Accu-NiCd 4B	4	4.2 Ah	89895977	3	130 mm	40 x 66 mm	65 mm	35 mm
NiCd Cs cells – stick								
Accu-NiCd C 3A	3	1.6 Ah	89899743	1	164 mm	152 mm	26 mm	26 mm
Accu-NiCd C 4A	4	1.6 Ah	89899692	1	206 mm	194 mm	26 mm	26 mm
Accu-NiCd C 5A	5	1.6 Ah	89899695	1	249 mm	237 mm	26 mm	26 mm
Accu-NiCd C 6A	6	1.6 Ah	89899698	1	292 mm	280 mm	26 mm	26 mm
NiCd Cs cells – stick + stick								
Accu-NiCd C 4C	4	1.6 Ah	89899694	2	121 mm	109 mm	26 mm	26 mm
Accu-NiCd C 5C	5	1.6 Ah	89899697	2	164 + 121 mm	152 + 109 mm	26 mm	26 mm
Accu-NiCd C 6C	6	1.6 Ah	89899699	2	164 mm	152 mm	26 mm	26 mm
NiCd Cs cells – side by side								
Accu-NiCd C 4B	4	1.6 Ah	89899693	3	148 mm	40 x 96 mm	54 mm	25 mm
Accu-NiCd C 5B	5	1.6 Ah	89899696	3	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 units

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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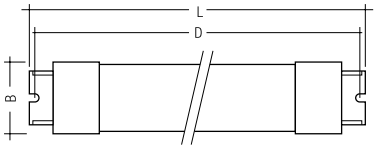
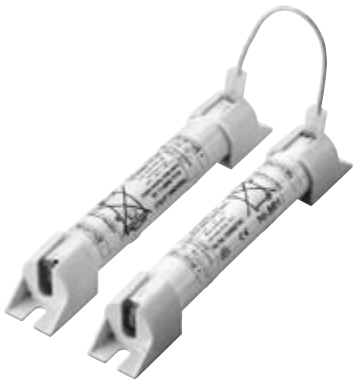


Fig. 1: stick



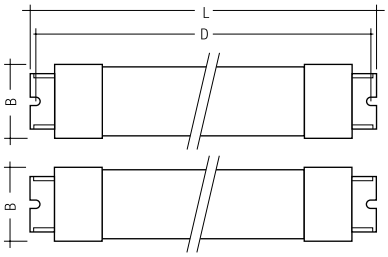


Fig. 2: stick + stick

Technical data

Battery voltage per cell	1.2 V
Battery case temperature (for a life time 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 for 55 °C

Nickel-Cadmium cells (NiCd)

Product description

- High-temperature NiCd battery pack for use with emergency lighting units

Properties

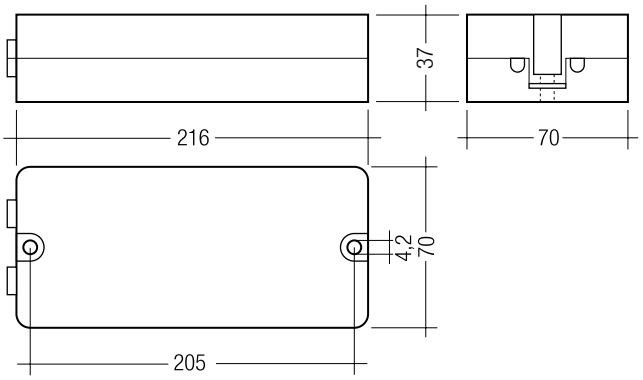
- Constant high-temperature operation at 55 °C
- Good charging properties at high temperature
- High energy maintenance of the charged battery
- 4 year life time in operation at max. temperature
- Certified quality manufacturer
- Casing material made of polycarbonate
- 1.0 m integrated double-insulated cable
- 1.0 mm² solid wire, pre-stripped
- 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

→

Standards, page 392





Technical data

Battery voltage per cell	1.2 V
Dimensions L x W x H	216 x 70 x 37 mm
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	Number of cells	Capacity	Packaging, carton	Packaging, outer box	Weight per pc.
1.6 Ah battery pack						
Pack-NiCd 3C	**89899676**	3	1.6 Ah	5 pc(s).	10 pc(s).	0.297 kg
Pack-NiCd 4C	**89899677**	4	1.6 Ah	5 pc(s).	10 pc(s).	0.342 kg
Pack-NiCd 5C	**89899678**	5	1.6 Ah	5 pc(s).	10 pc(s).	0.387 kg
Pack-NiCd 6C	**89899679**	6	1.6 Ah	5 pc(s).	10 pc(s).	0.432 kg
4 Ah battery pack						
Pack-NiCd 3D	**89899672**	3	4.2 Ah	5 pc(s).	10 pc(s).	0.534 kg
Pack-NiCd 4D	**89899673**	4	4.2 Ah	5 pc(s).	10 pc(s).	0.658 kg
Pack-NiCd 5D 55	**89800091**	5	4.5 Ah	5 pc(s).	25 pc(s).	0.840 kg
Pack-NiCd 6D	**89899675**	6	4.2 Ah	5 pc(s).	10 pc(s).	0.906 kg

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 units

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 unit 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

→

Standards, page 392



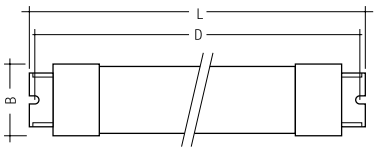
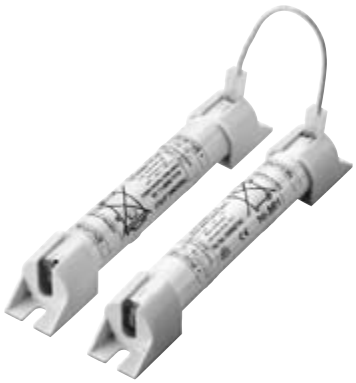


Fig. 1: stick



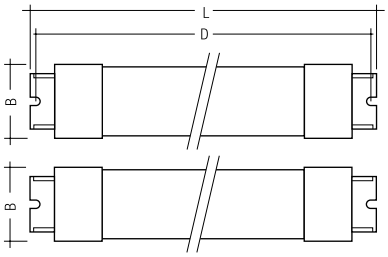


Fig. 2: stick + stick



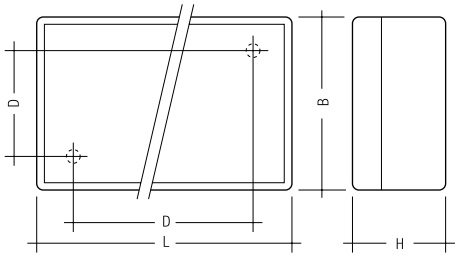


Fig. 3: side by side

Technical data

Battery voltage per cell	1.2 V
Battery casing temp. 2.0 Ah Cs (life time of 4 years)	0 ... +55 °C
Battery casing temp. 4.0 Ah Cs (life time of 4 years)	0 ... +45 / +50 °C depending on the emergency lighting unit 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

Overview
Product overview Page 516
Product / function matrix Page 517

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luxCONTROL lighting control systems Page 518

SMART sensors
Ambient light sensor for lighting control
SMART Sensor 5D 19f Page 520
Ambient light sensor and presence detector for lighting control
SMART Sensor 5DP 19f Page 522
SMART Sensor 5DPI 19fe Page 524
SMART Sensor 10DPI 19fe Page 527

SWITCH sensor
Automatic switching based on motion and light level
Smart SWITCH II Page 530
SWITCH Sensor HF 5BP Page 531

basicDIM
Control module for combination with ambient light sensor, momentary-action switch and presence sensor
basicDIM RCL Page 532
basicDIM RCL DBC Page 535
Compact control module with ambient light sensor and motion sensor
basicDIM ILD Page 538
Ambient light sensor and presence detector for constant lighting control
DSI-SMART PTM Page 541
Control module for combination with ambient light sensor, momentary-action switch or motion sensor
smartDIM SM Ip Page 543
Modular lighting control for 3 DSI channels
modularDIM Basic Page 545
Control module for amplifying DSI signals or switch input
DSI-V/T Page 548

comfortDIM
Multi-sensor for DALI system
DALI MSensor 02 Page 549
Control module for 2 DALI groups
DALI GC / DALI GC-A Page 551
Control module for 4 DALI lighting scenes
DALI SC / DALI SC-A Page 552
Control module with 4 freely programmable inputs
DALI MC Page 553
DALI XC Page 554
Operating and control unit
DALI TOUCHPANEL 02 Page 555
Lighting and emergency lighting control system
DALI x/e-touchPANEL 02 Page 556
Sequencer module for DALI systems
DALI SQM Page 557
DALI power supply for installation in switching cabinets
DALI PS Page 558
DALI PS2 Page 559
DALI power supply for installation in switching cabinets and stand-by function
DALI PS2 standby Page 560
DALI power supply for separate installation
DALI PS1 Page 561
PC interface module for DALI systems
DALI USB Page 562
DALI Interface RS232 PS/S Page 563
Converter for DALI into DSI signals
DALI-DSI Page 564
DALI-DSI II Page 565
Extension of DALI cable length
DALI Repeater Page 566
DALI control module for 3 relays
DALI 3-RM-C Page 567
DALI relay output with 4 independent 10 A switching contacts
DALI-RM/S 4x10 A Page 568
Leading-edge/trailing-edge phase dimmer
DALI PCD 300 one4all Page 569
DALI PCD/S Page 570

DSI actuator

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

DSI-A/D Page 571

DSI-AD/S Page 572

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

DSI-PCD/S Page 573

Relay module for switching ohmic loads

DSI-RK Page 574

Wiring diagrams and installation examples Page 575

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-Steuergeräte							
	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 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
Presets / scenes					yes	yes	
Motion detection	yes	yes	yes	yes	yes		
Daylight control / ambient light control	yes	yes	yes	yes	yes		yes
Remote control		yes	yes				
Type of mounting: built-in	yes	yes	yes	yes	yes	yes	yes
Type of mounting: surface-mount			yes			yes	
Switching contact (relay)				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, TALEXX converters for LED modules and EM PRO emergency lighting units.

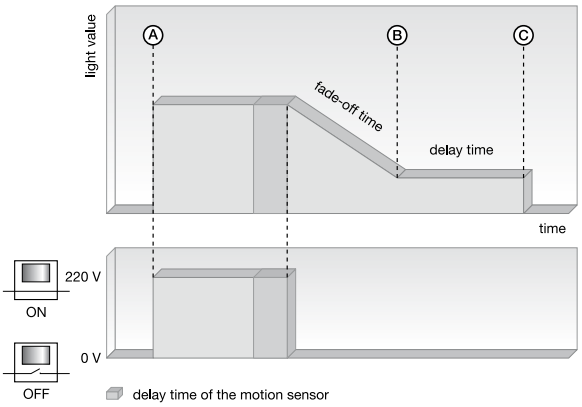
Task-specific lighting management
With luxCONTROL all the lighting tasks are performed with the versions that are ecologically, economically and functionally the most attractive. Integrated solutions enable manufacturers to produce cost-effective energy-saving luminaires. Lighting planners and installers 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 units 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

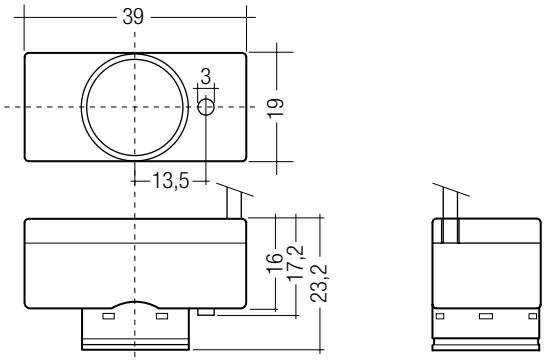
Ambient light sensor for lighting control

Product description

- Optional ambient light sensor for PCA EXCEL one4all, PCA ECO and PCA BASIC devices from the xıtec 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 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5D 19f	**86459169**	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

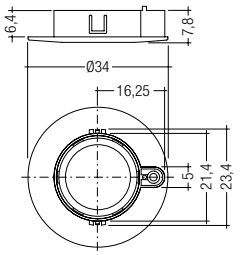
① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked 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)	86459427	50 pc(s).	200 pc(s).

ACCES-SORIES

SMART Sensor T5 / T8 Clip + Cap



T5 Clip + Cap



T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	86459499	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	86459500	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	86459501	50 pc(s).	500 pc(s).

SMART Sensor 5DP 19f

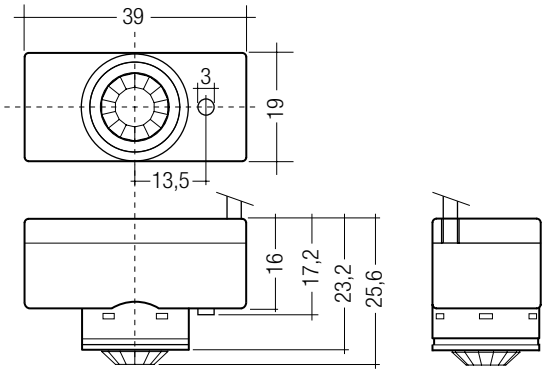
Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and motion detector for PCA EXCEL one4all devices from the x!tec 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 517

Wiring diagrams and installation examples, page 575

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

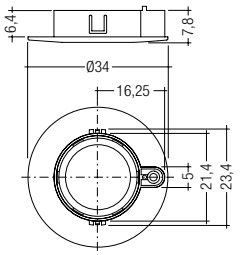
① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked 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)	86459427	50 pc(s).	200 pc(s).

ACCES-SORIES

SMART Sensor T5 / T8 Clip + Cap



T5 Clip + Cap



T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	86459499	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	86459500	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	86459501	50 pc(s).	500 pc(s).

CE RoHS

SMART Sensor 5DPI 19fe

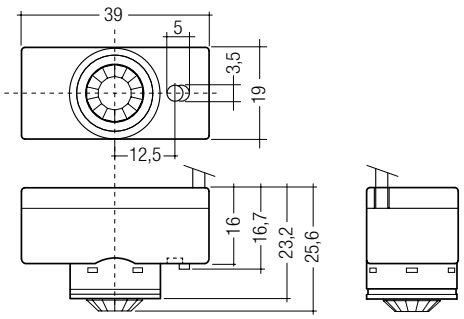
Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and presence detector for PCA EXCEL one4all devices from the x!tec 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 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 5DPI 19fe	**86459545**	20 pc(s).
SMART Sensor 5DPI 19fe cF n.o.	**86459552**	20 pc(s).
SMART Sensor 5DPI 19fe cF 01	**86459550**	20 pc(s).
SMART Sensor 5DPI 19fe cF 30	**86459551**	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

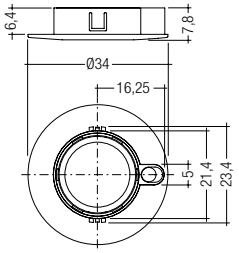
① The measured value at the sensor head corresponds to approx. 60 to 3,000 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked 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	**86459428**	50 pc(s).	200 pc(s).

ACCES-SORIES

SMART Sensor T5 / T8 Clip + Cap



T5 Clip + Cap



T8 Clip + Cap

Product description

- Clip for mounting the sensor directly to the lamp and cover to protect against indirect light

Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor T5 Clip + Cap	**86459499**	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	**86459500**	10 pc(s).	200 pc(s).

ACCES-SORIES

SMART Sensor Cap



Product description

- Cover to protect against indirect light

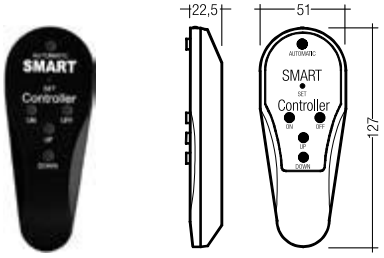
Ordering data

Type	Article number	Packaging, bag	Packaging, carton
SMART Sensor Cap	**86459501**	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)

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	Length	Packaging, carton
SMART Sensor Extension Cable	**86459176**	0.8 m	1,500 pc(s).

RoHS

SMART Sensor 10DPI 19fe

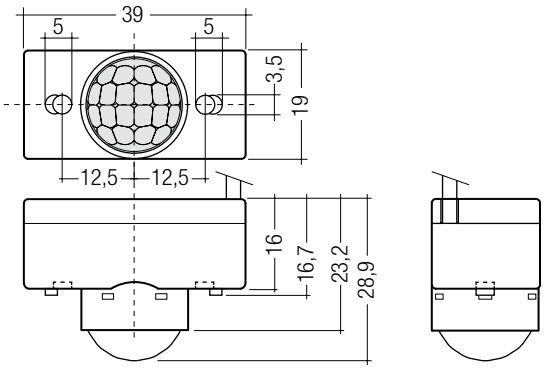
Ambient light sensor and presence detector for lighting control

Product description

- Optional ambient light sensor and motion detector for PCA EXCEL one4all devices from the xitec 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 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
SMART Sensor 10DPI 19fe	**86459546**	20 pc(s).
SMART Sensor 10DPI 19fe cF n.o.	**86459549**	20 pc(s).
SMART Sensor 10DPI 19fe cF 01	**86459547**	20 pc(s).
SMART Sensor 10DPI 19fe cF 30	**86459548**	20 pc(s).

Specific technical data

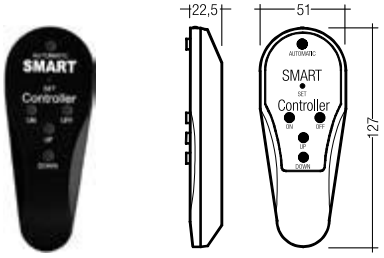
Type	Detection				Max. cable length	Control output (devices)	corridorFUNCTION profile
	Light detection angle symmetric	Light measurement at the sensor head ①	Illuminance (factory default) ②	Motion detection angle symmetric			
SMART Sensor 10DPI 19fe	38°	40 – 1,000 lx	500 lx	93°	0.8 m	2	–
SMART Sensor 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)

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	Length	Packaging, carton
SMART Sensor Extension Cable	**86459176**	0.8 m	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	**86459499**	10 pc(s).	200 pc(s).
SMART Sensor T8 Clip + Cap	**86459500**	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	**86459501**	50 pc(s).	500 pc(s).

RoHS

Smart SWITCH II

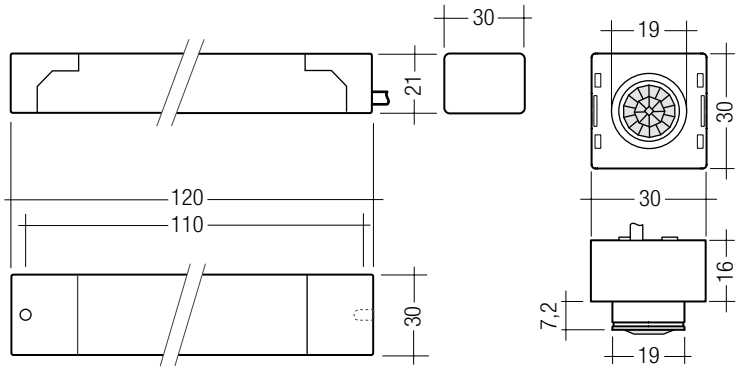
Automatic switching based on motion and light level

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 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
Smart SWITCH II	**86458452**	10 pc(s).	0.055 kg
Smart SWITCH strain relief	**86458246**	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. PCA)	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

NEW

SWITCH Sensor HF 5BP

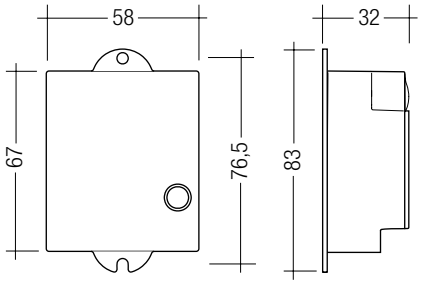
Automatic switching based on motion and light level

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
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).	0.079 kg

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

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 RCL

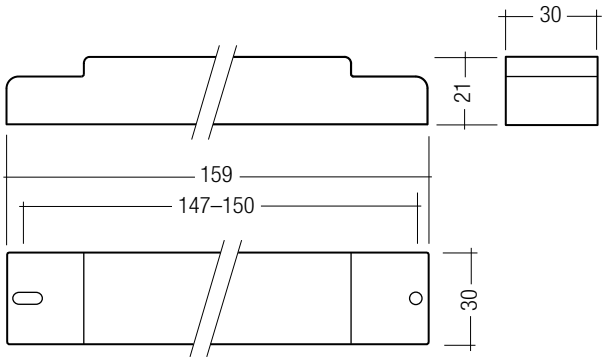
Control module for combination with ambient light sensor, momentary-action switch and presence sensor

Product description

- Digital control module with ambient light sensor, motion detector and momentary-action switch input
- Control module for controlling up to 25 DSI ballasts
- Dimming, switching and saving of the daylight set value via single momentary-action switch; multiple switches can be connected in parallel
- Saving of the daylight set value lockable
- With the Link Line it is possible to connect up to 20 basicDIM RCL's to one system (synchronisation of motion detection) ①
- Mode can be selected via rotary switch
- Input for a maximum of 4 basicDIM sensors
- 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	1.5 W
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
basicDIM RCL	**86458998**	10 pc(s).

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

Specific technical data

Type	Inputs			Outputs			Link Line	
	Dimming momentary-action switch	Max. basicDIM sensors	Max. sensor line length	Digital control line DSI	Control output per physical output DSI (devices)	Dimming range	Voltage DC at correct mains wiring ②	Number of combinable modules
basicDIM RCL	single	4	10 m	1	25	1 – 100 %	15 V	20

① To ensure the functionality of the Link Line the phase and the neutral wires have to be connected correctly.
② If reverse polarity is applied to mains, mains voltage is at the Link Line and the function of Link Line will be affected.

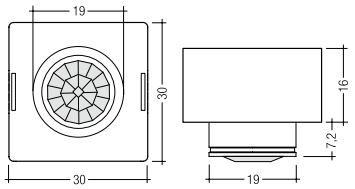
RoHS

ACCES-SORIES

basicDIM Sensor 5DP 19f

Ambient light sensor and motion detector





Product description

- Optional ambient light sensor and motion detector for basicDIM RCL and basicDIM RCL DBC
- Compact low profile dimensions for luminaire installation
- With push-in terminal
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM 5DP 19f	**86459173**	50 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

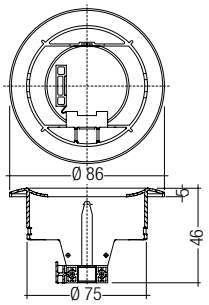
RoHS

ACCES-SORIES

basicDIM Sensor 5DP 41rc

Ambient light sensor and motion detector





Product description

- Optional ambient light sensor and motion detector for basicDIM RCL and basicDIM RCL DBC
- Ceiling installation
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM Sensor 5DP 41rc	**86459115**	20 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

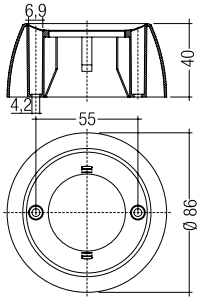
RoHS

ACCES-SORIES

basicDIM Sensor 5DP 41rs

Ambient light sensor and motion detector





Product description

- Optional ambient light sensor and motion detector for basicDIM RCL and basicDIM RCL DBC
- Surface mounting
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

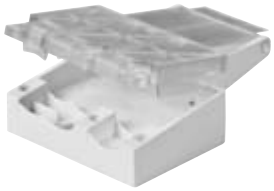
Type	Article number	Packaging, carton	Weight per pc.
basicDIM Sensor 5DP 41rs	**86459116**	20 pc(s).	0.06 kg

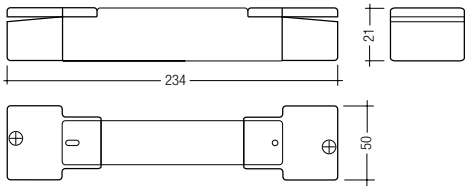
① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

RoHS

ACCES-SORIES

Strain-relief set





Product description

- 5-year guarantee

Ordering data

Type	Article number	Packaging, carton
Strain-relief set	**86458689**	10 pc(s).

RoHS

ACCES-SORIES

Accessories for basicDIM Sensor 5DP 19f



Product description

- Optional for increasing the detection range of the motion detector for basicDIM Sensor 5DP 19f
- 5-year guarantee

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
smartDIM mirror	**86454640**	50 pc(s).	0.002 kg

CE RoHS

basicDIM RCL DBC

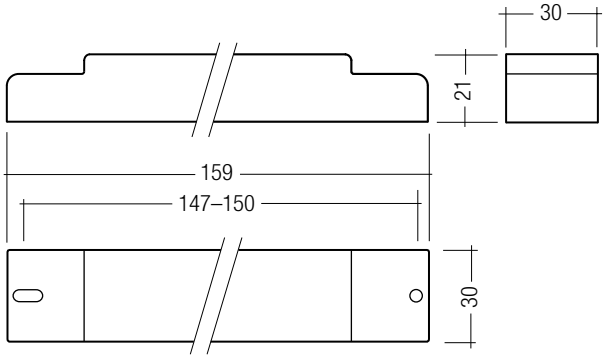
Control module for combination with ambient light sensor, momentary-action switch and presence sensor

Product description

- Digital control module with ambient light sensor, motion detector and momentary-action switch input
- DALI Broadcast control module for controlling up to 10 DALI ballasts
- Dimming, switching and saving of the daylight set value via single momentary-action switch; multiple switches can be connected in parallel
- Saving of the daylight set value lockable
- With the Link Line it is possible to connect up to 20 basicDIM RCL DBC's to one system (synchronisation of motion detection) ①
- Mode can be selected via rotary switch
- Input for a maximum of 4 basicDIM sensors
- 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	1.5 W
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +70 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
basicDIM RCL DBC	**86459306**	10 pc(s).

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

Specific technical data

Type	Inputs			Outputs			Link Line	
	Dimming momentary-action switch	Max. basicDIM sensors	Max. sensor line length	Digital control line DALI	Control output per physical output DALI (devices)	Dimming range	Voltage DC at correct mains wiring ②	Number of combinable modules
basicDIM RCL DBC	single	4	10 m	1	10	1 – 100 %	15 V	20

① To ensure the functionality of the Link Line the phase and the neutral wires have to be connected correctly.
② If reverse polarity is applied to mains, mains voltage is at the Link Line and the function of Link Line will be affected.

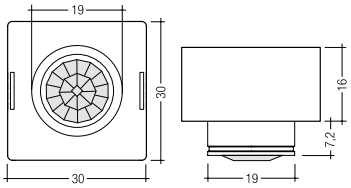
RoHS

ACCES-SORIES

basicDIM Sensor 5DP 19f

Ambient light sensor and motion detector





Product description

- Optional ambient light sensor and motion detector for basicDIM RCL and basicDIM RCL DBC
- Compact low profile dimensions for luminaire installation
- With push-in terminal
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM 5DP 19f	86459173	50 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

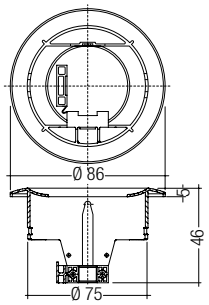
RoHS

ACCES-SORIES

basicDIM Sensor 5DP 41rc

Ambient light sensor and motion detector





Product description

- Optional ambient light sensor and motion detector for basicDIM RCL and basicDIM RCL DBC
- Ceiling installation
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM Sensor 5DP 41rc	86459115	20 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

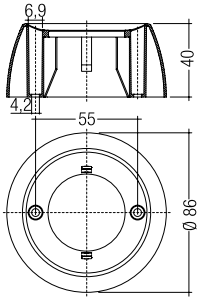
RoHS

ACCES-SORIES

basicDIM Sensor 5DP 41rs

Ambient light sensor and motion detector





Product description

- Optional ambient light sensor and motion detector for basicDIM RCL and basicDIM RCL DBC
- Surface mounting
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
basicDIM Sensor 5DP 41rs	86459116	20 pc(s).	0.06 kg

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

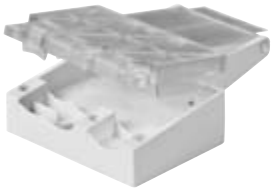
RoHS

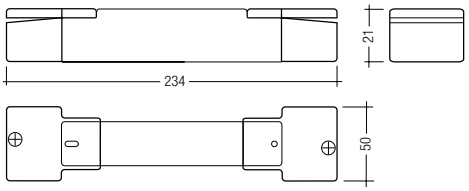
ACCES-
SORIES

Strain-relief set

Product description

- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton
Strain-relief set	**86458689**	10 pc(s).

RoHS

ACCES-
SORIES

Accessories for basicDIM Sensor 5DP 19f

Product description

- Optional for increasing the detection range of the motion detector for basicDIM Sensor 5DP 19f
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton	Weight per pc.
smartDIM mirror	**86454640**	50 pc(s).	0.002 kg

CE RoHS

NEW

basicDIM ILD

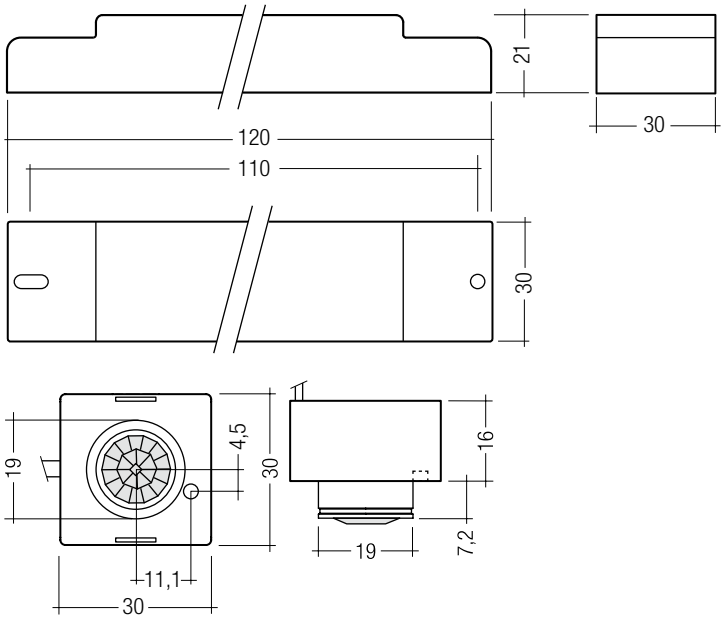
Compact control module with ambient light sensor and motion sensor

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	**86459377**	Luminaire installation	10 pc(s).

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

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

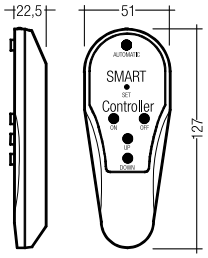
① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.
② The illuminance is set for a room defined by Tridonic. Depending on the actual room (reflectance) the measured illuminance may deviate from this value. The illuminance should therefore be checked 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

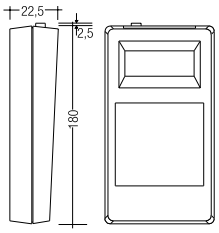
Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

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	Article number	Packaging, carton	Weight per pc.
DSI-SMART Programmer	**86447355**	1 pc(s).	0.35 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

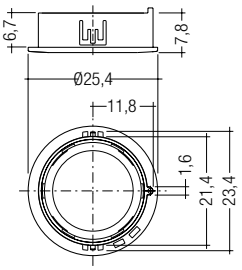
Type	Article number	Packaging, carton	Weight per pc.
basicDIM ILD Programmer	**28000257**	210 pc(s).	0.3 kg

RoHS

ACCES-SORIES

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	**86459426**	50 pc(s).	200 pc(s).	0.001 kg

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	**86454640**	50 pc(s).	0.002 kg

RoHS

DSI-SMART PTM

Ambient light sensor and presence 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 517

Wiring diagrams and installation examples, page 575

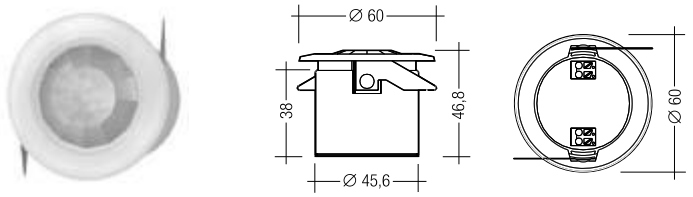


Fig. 1

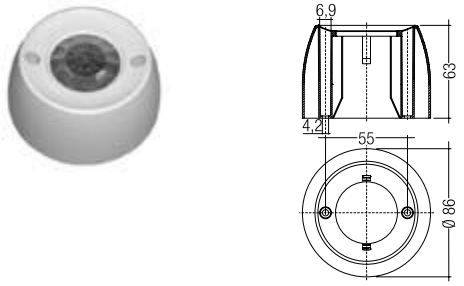


Fig. 2

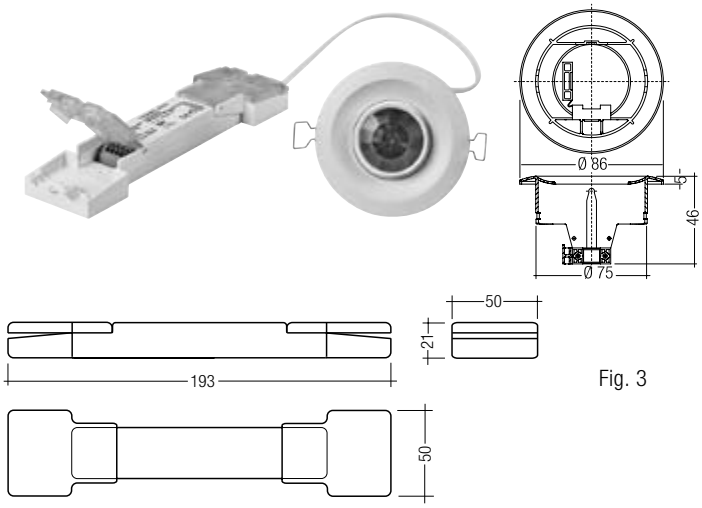


Fig. 3

Ordering data

Type	Article number	Figure	Packaging, carton
DSI-SMART PTM integrated Luminaire installation	**86458588**	1	10 pc(s).
DSI-SMART PTM remote surface Surface mounting	**86458589**	2	20 pc(s).
DSI-SMART PTM remote ceiling Ceiling installation	**86458587**	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	1.5 W	5 – 500 lx	single	1	25	250 m

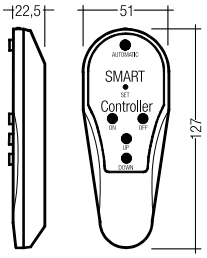
① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.
② DALI from DSI-SMART PTM V1.1. For parameterization the DSI-SMART Programmer from V2.01 is required.

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

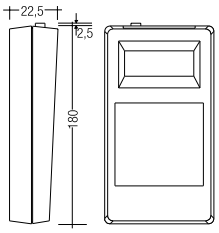
Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

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	Article number	Packaging, carton	Weight per pc.
DSI-SMART Programmer	**86447355**	1 pc(s).	0.35 kg

smartDIM SM lp

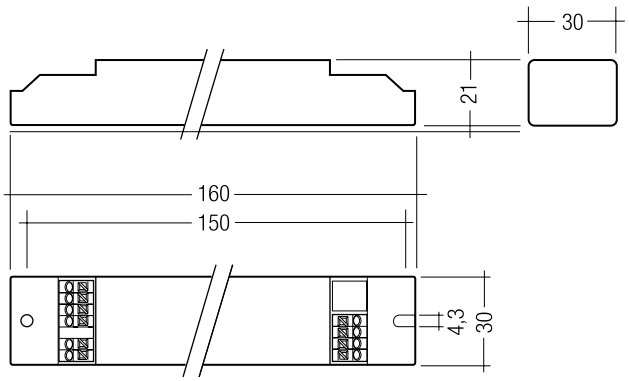
Control module for combination with ambient light sensor, momentary-action switch or motion sensor

Product description

- Digital DSI control module (luminaire installation unit) for daylight control, motion detector and momentary-action switch input
- For luminaire installation in a low profile casing
- Input for a maximum of 2 smartDIM sensors
- Dimming and switching via single momentary-action switch; multiple switches can be connected in parallel
- Mode can be selected via rotary switch
- The device can be disconnected from the power supply via a built-in relay (this reduce stand-by losses)
- 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	1.5 W
Operating temperature	0 ... +60 °C
Storage temperature ts	-25 ... +55 °C
Type of protection	IP20

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
smartDIM SM lp	**86458337**	12 pc(s).

Specific technical data

Type	Inputs			Outputs			Output, relay (L')		
	Dimming momentary-action switch	Max. smartDIM sensors	Max. sensor line length	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm²	Max. switching output (e.g. PCA)	Maximum apparent power	Max. switching output
smartDIM SM lp	single	2	10 m	1	25	250 m	2	200 VA	500 W

RoHS

ACCES-SORIES

smartDIM Sensor 1

Ambient light sensor and motion detector



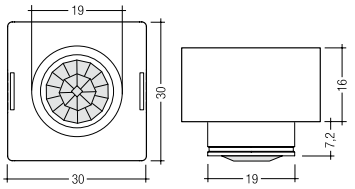


Fig. 1



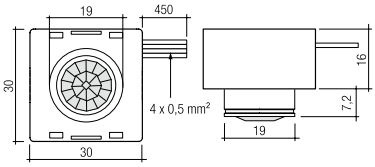


Fig. 2

Product description

- Optional ambient light sensor and motion detector for smartDIM SM lp
- Compact low profile dimensions for luminaire installation
- With push-in terminal or cable
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Figure	Packaging, carton	Weight per pc.
smartDIM Sensor 1 Cable	**86458462**	2	25 pc(s).	0.043 kg
smartDIM Sensor 1	**86454265**	1	50 pc(s).	0.043 kg

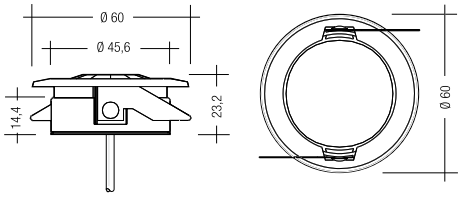
① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

RoHS

ACCES-SORIES

smartDIM Sensor 2





Product description

- Optional ambient light sensor and motion detector for smartDIM SM lp
- Compact low profile dimensions for luminaire installation
- 5-year guarantee

Technical data

Light measurement at the sensor head ①	5 – 500 lx

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
smartDIM Sensor 2	**86454523**	10 pc(s).	0.038 kg

① The measured value at the sensor head corresponds to approx. 10 to 1,500 lux on the surface measured.

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	**86454640**	50 pc(s).	0.002 kg

CE RoHS

modularDIM Basic

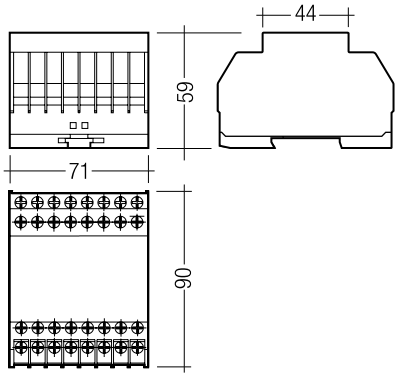
Modular lighting control for 3 DSI channels

Product description

- Basic module for manual dimming and switching of 3 independent DSI output groups
- SELV switch inputs for using conventional momentary-action switches
- Up to 100 DSI devices per output channel
- Floating motion detector inputs for switching each group
- Ready to start without programming
- 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	120 – 277 V
Mains frequency	50 / 60 Hz
Power	< 10 W
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
modularDIM BASIC	**86454539**	10 pc(s).

Specific technical data

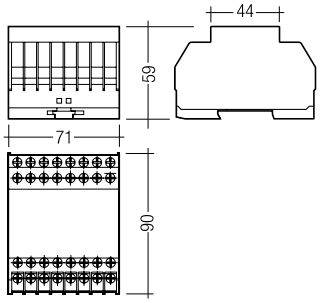
Type	Inputs		Outputs		
	Dimming momentary-action switch	Presence sensor	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm²
modularDIM BASIC	1-way / 2-way	3	3	100	250 m

CE RoHS

ACCES-SORIES

modularDIM SC





Product description

- Optional expansion module for scene control in the modularDIM system
- Retrieval and programming of up to 4 lighting scenes
- 4 SELV switch inputs for using conventional momentary-action switches
- 4 outputs for status LEDs
- 5-year guarantee

Technical data

Input, 4 momentary-action switches	single
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

Ordering data

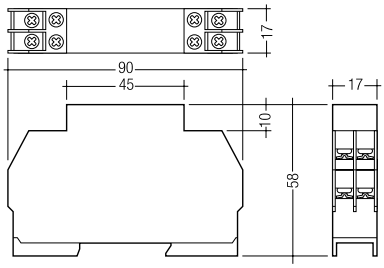
Type	Article number	Packaging, carton
modularDIM SC	**86454545**	1 pc(s).

CE RoHS

ACCES-SORIES

modularDIM DM





Product description

- Optional expansion module for daylight control in the modularDIM system
- Simple programming of independent daylight characteristics for each DSI group
- On/off switching of the daylight function by means of conventional switches
- 5-year guarantee

Technical data

Input, light sensor	1
Input, switch man. / auto	1
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

Ordering data

Type	Article number	Packaging, carton
modularDIM DM	**86454564**	30 pc(s).

CE RoHS

ACCES-SORIES

modularDIM LC

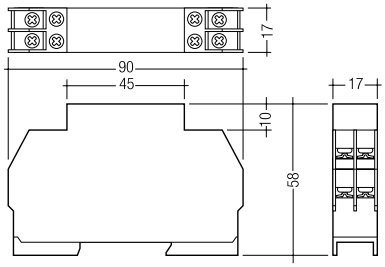
Product description

- Optional expansion module for non-floating motion detectors or momentary-action switches in the modularDIM system

Technical data

Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Max. output dielectric strength	30 V (SELV)
Input, with electrical isolation	4,000 V 2 min.; 6 mm (SELV)
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20





Ordering data

Type	Article number	Packaging, carton
modularDIM LC	**86457888**	30 Stk.

RoHS

ACCES-SORIES

Accessories for modularDIM DM

Product description

- Ceiling sensor for measuring daylight
- 5-year guarantee



Ordering data

Type	Article number	Packaging, carton
Sensor DAYLIGHT	**86454586**	136 pc(s).

RoHS

DSI-V/T

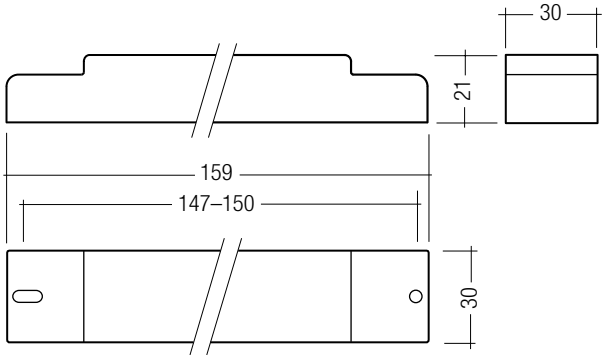
Control module for amplifying DSI signals or switch input

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 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
DSI-V/T	**86458690**	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 mm²②
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).

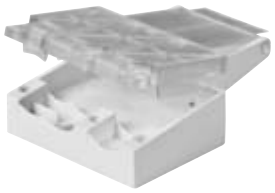
RoHS

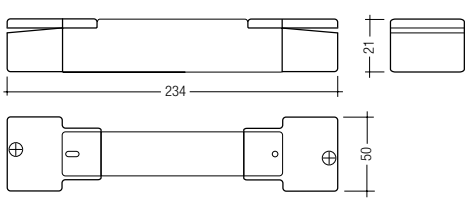
ACCES-SORIES

Strain-relief set

Product description

- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton
Strain-relief set	**86458689**	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 517

Wiring diagrams and installation examples, page 575



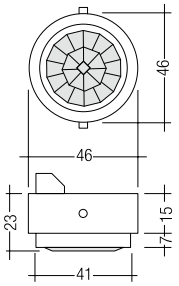


Fig. 1



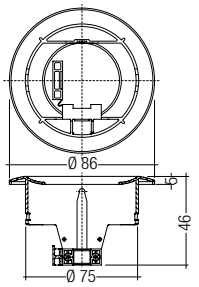
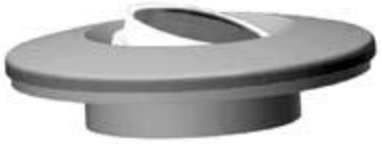


Fig. 2



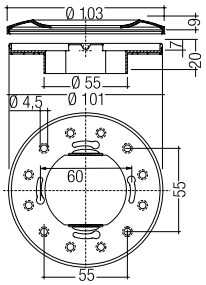


Fig. 3



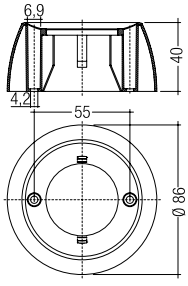


Fig. 4

Ordering data

Type	Article number	Figure	Packaging, carton
DALI-MSensor 02 5DPI 41f Luminaire installation	**86459305**	1	12 pc(s).
DALI-MSensor 02 5DPI 41rc Ceiling installation	**86459303**	2	20 pc(s).
DALI-MSensor 02 5DPI 41w Box installation	**86459304**	3	20 pc(s).
DALI-MSensor 02 5DPI 41rs Surface mounting	**86459302**	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 area ①	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

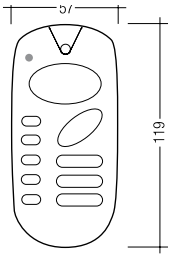
① If mounted at a height of 2.5 m and swivelled through 15°.
② The measured value at the sensor head corresponds to approx. 15 to 2,000 lux on the surface measured.

RoHS

ACCES-SORIES

DAL 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

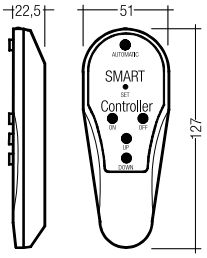
Type	Article number	Packaging, carton	Weight per pc.
DALI-RC	**86458263**	10 pc(s).	0.1 kg

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

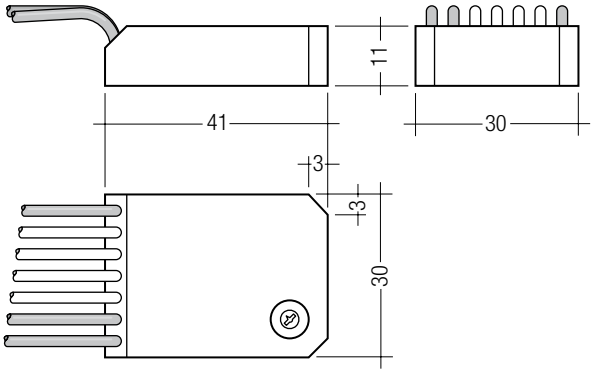
Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-SMART Controller	**86451922**	1 pc(s).	0.075 kg

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).

→

For standards see data sheet

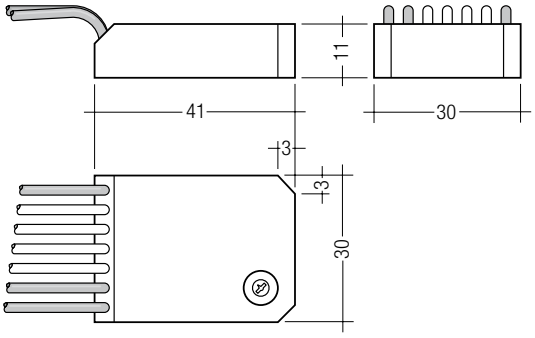
Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

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 517

Wiring diagrams and installation examples, page 575

DALI MC

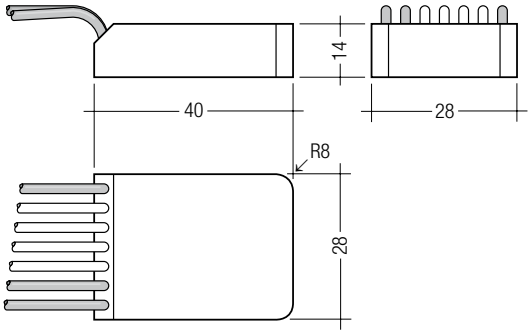
Control module with 4 freely programmable inputs

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).

→

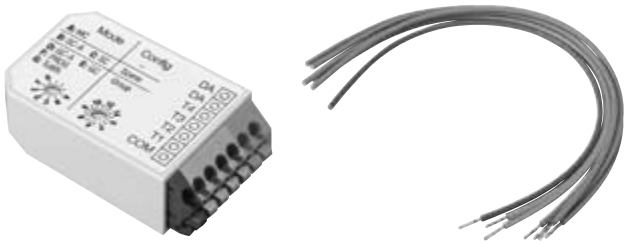
For standards see data sheet

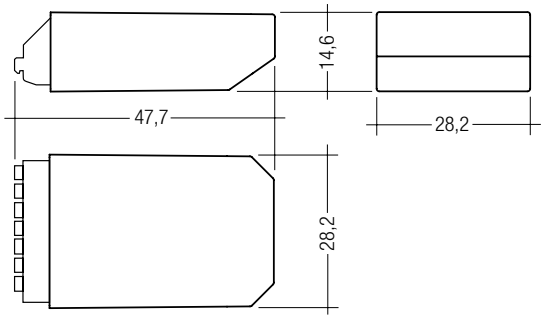
Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

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

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	-25 ... +80 °C
Humidity	20 ... 90 % (non-condensing)
Type of protection	IP20
Mounting	Mounting box 60 x 61 mm (ø x D)
Casing material	PC, halogen-free polycarbonate, non-flammable
Dimension 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**	1 pc(s).	0.012 kg

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

DALI TOUCHPANEL 02

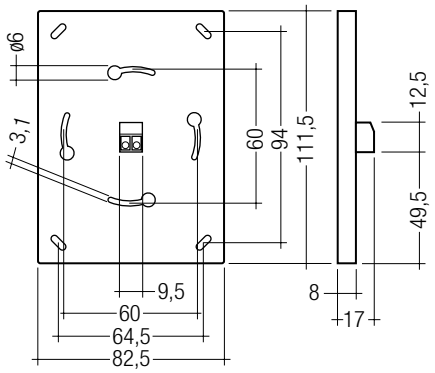
Operating and control unit

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).	0.08 kg

→

For standards see data sheet

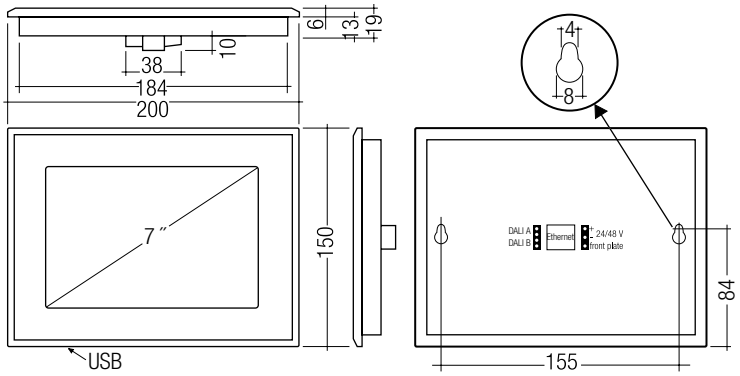
Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

DALI x/e-touchPANEL 02

Lighting and emergency lighting control system





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 units (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

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).

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

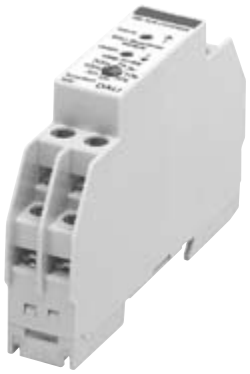
DALI SQM

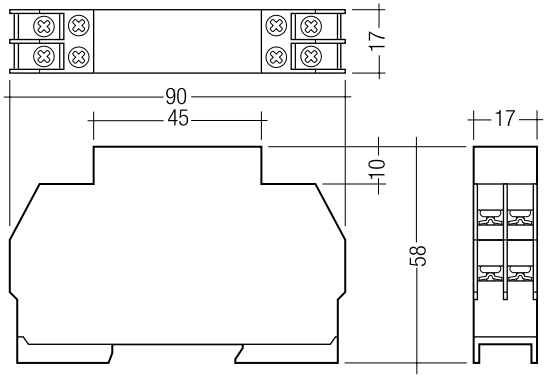
Sequencer module for DALI systems

Product description

- Sequencer module for DALI systems
- Continual transmission of DALI signals (step time)
- Calling up scenes 0 – 15
- End scene programmable
- Power supply via DALI line
- Rotary switch: 1 s to 30 min
- For installation in switching cabinets
- 5-year guarantee

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





Technical data

Supply via	DALI cable
Current draw	9 mA from DALI
Input	Rotary switch, 1 s – 30 min. Function switch: max. cable length 100 m
Output	DALI
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
DALI SQM	**86458211**	30 pc(s).

DALI PS

DALI power supply for installation in switching cabinets

Product description

- For supplying 200 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

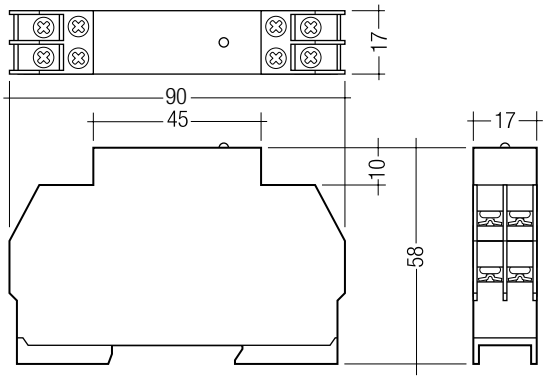
Rated supply voltage	120 – 240 V
Mains frequency	50 / 60 Hz
Power	4 W
Output	DALI
Max. output current, DALI	200 mA
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575





Ordering data

Type	Article number	Packaging, carton
DALI PS	**24033444**	1 pc(s).

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

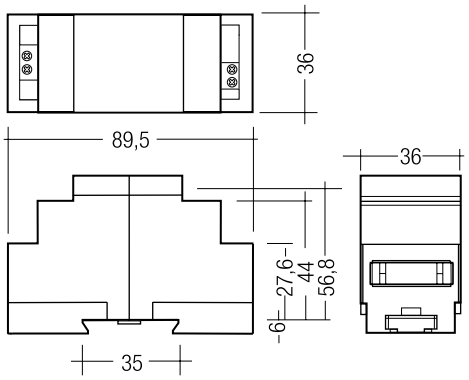
Rated supply voltage	220 – 240 V
Mains frequency	50 / 60 Hz
Power	5 W
Max. output current, DALI	240 mA
Operating temperature	0 ... +50 °C
Storage temperature ts	0 ... +70 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575





Ordering data

Type	Article number	Packaging, carton
DALI PS2	**86458559**	25 pc(s).

DALI PS2 standby

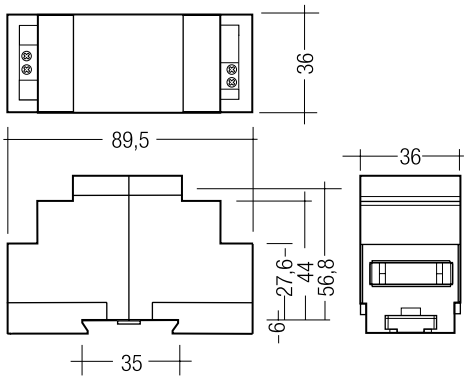
DALI power supply for installation in switching cabinets
and stand-by function

Product description

- For supplying 240 mA for DALI devices or control modules without their own power supplies
- For installation in switching cabinets
- Automatic monitoring of the connected luminaires
- The built-in relay isolates the connected equipment from the power supply via an external contactor if all the luminaires are switched off
- The ballasts are switched on and set to the required status via DALI commands

→ 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, page 575

Ordering data

Type	Article number	Packaging, carton
DALI PS2 standby	**86458560**	25 pc(s).

Specific technical data

Type	Output, relay				
	Max. switching voltage AC	Max. switching current AC	DC switching capability at 100 – 250 V DC	DC switching capability at 50 – 100 V DC	DC switching capability at 0 – 50 V DC
DALI PS2 standby	250 V	1 A	0.3 A	0.5 A	1 A

DALI PS1

DALI power supply for separate installation

Product description

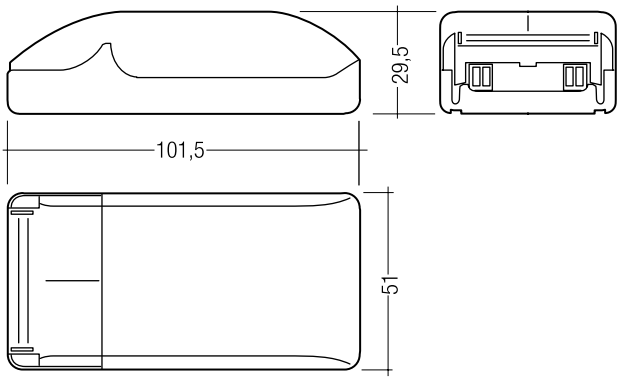
- For supplying 200 mA for DALI devices or control modules without their own power supplies
- Surface-mounted casing
- 5-year guarantee

→ 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





Ordering data

Type	Article number	Packaging, carton
DALI PS1	**24034323**	1 pc(s).

For standards see data sheet

Wiring diagrams and installation examples, page 575

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

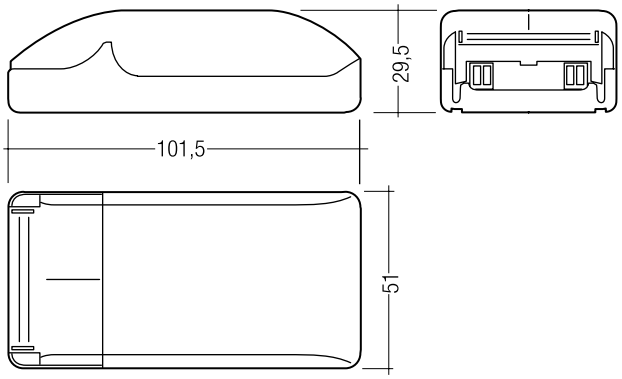
Supply via	DALI cable and USB interface
Current draw	6 mA from DALI
Input	1 USB (Personal Computer)
Output	DALI
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575





Ordering data

Type	Article number	Packaging, carton
DALI USB	**24138923**	50 pc(s).

DALI Interface RS232 PS/S

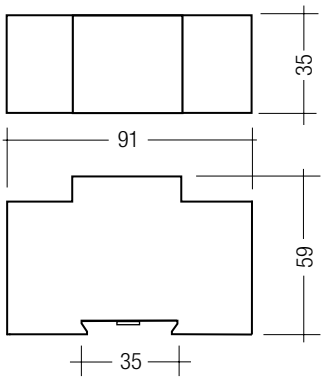
PC interface module for DALI systems

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, page 575

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	Weight per pcs.
DALI Interface RS232 cable	**28000087**	1 m	1 Stk.	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

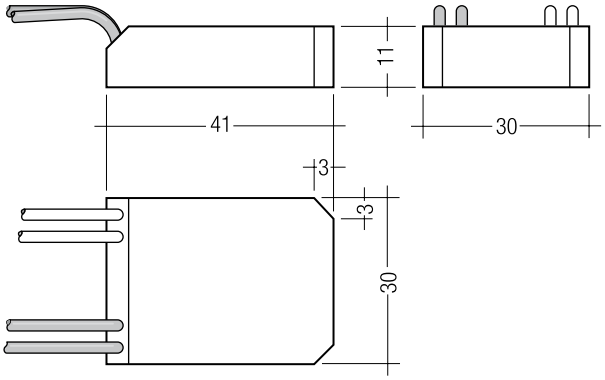
Supply via	DALI cable
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575





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 DSI II

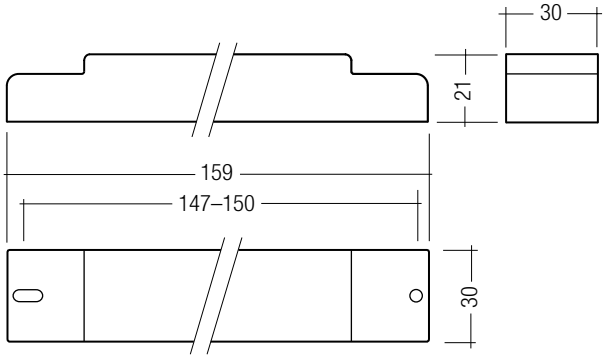
Converter for DALI into DSI signals

Product description

- Converter for converting DALI signals into DSI signals
- For integrating DSI-based devices in DALI lighting control systems
- 1 DALI input, 2 DSI outputs
- A DALI address can be assigned to each DSI output
- Rotary selector switch for assigning two group addresses for the two DSI outputs
- 25 DSI devices can be controlled per output
- Integrated power supply
- 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	0 ... +60 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
DALI-DSI II	**86458691**	10 pc(s).

Specific technical data

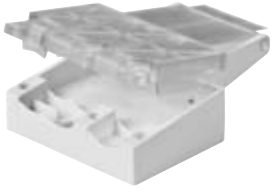
Type	Inputs			Outputs		
	DALI control input	Current draw	Number of DALI addresses	Digital control line DSI	Control output per physical output (devices)	Maximum DSI cable length at 1.5 mm²
DALI-DSI II	1	2 mA from DALI	2	2	25	250 m

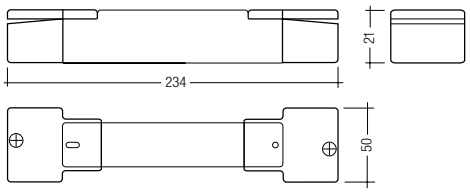
ACCES-SORIES

Strain-relief set

Product description

- 5-year guarantee





Ordering data

Type	Article number	Packaging, carton
Strain-relief set	**86458689**	10 pc(s).

DALI repeater

Extension of DALI cable length

Product description

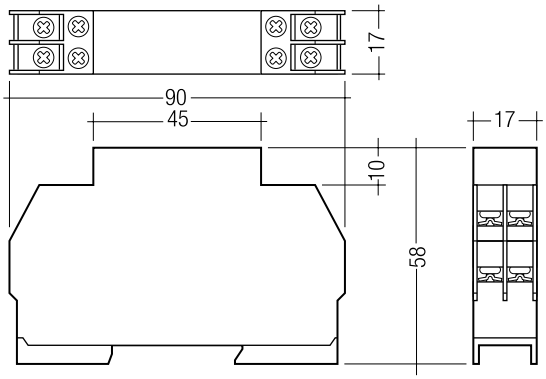
- For amplifying the DALI signal
- For extending the DALI line length from 300 to 600 m
- A star-type network with multiple DALI repeater‘s can be set up
- Power supply via DALI line
- For installation in switching cabinets
- 5-year guarantee

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, page 575

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

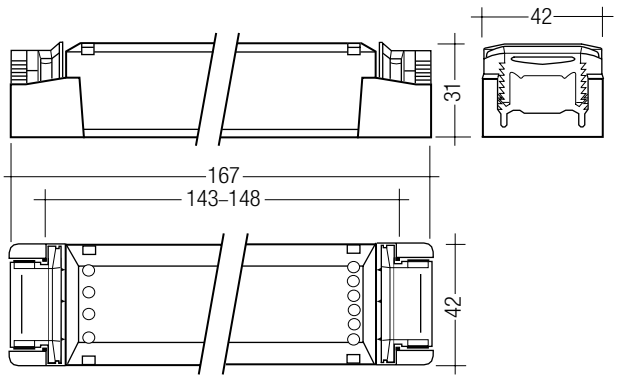
Input voltage, AC	198 – 254 V
Input voltage, DC	200 – 240 V
Mains frequency	0 / 50 / 60 Hz
Power	< 30 W
Ambient temperature ta	-25 ... +45 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575





Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI 3-RM-C	**86458247**	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 4x10A

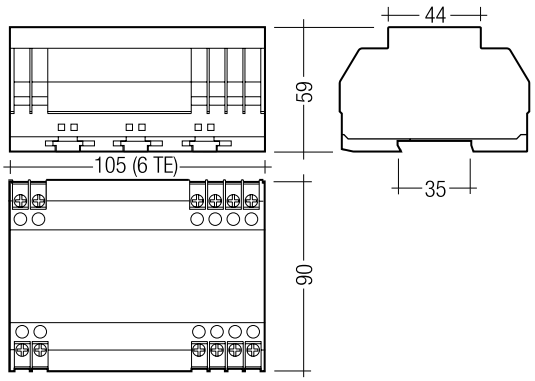
DALI relay output with 4 independent 10 A switching contacts

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, page 575

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 300 one4all

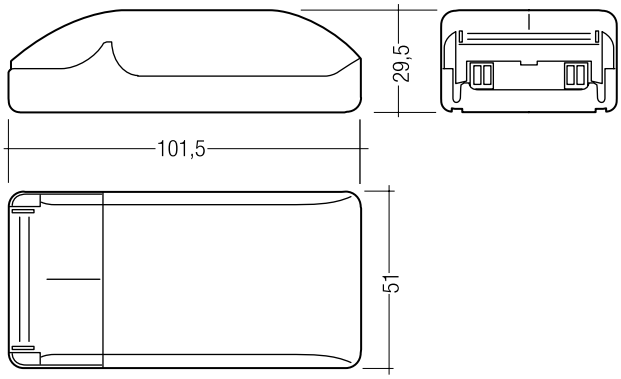
Leading-edge/trailing-edge phase dimmer

Product description

- Digital leading-edge and trailing-edge phase dimmer
- Total connected load: 30 – 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
- 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	30 – 300 VA
Power loss	0.75 W (1.8 W at full load)
Ambient temperature ta	0 ... +50 °C
Type of protection	IP20

→

For standards see data sheet

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DALI-PCD 300 one4all	**86458303**	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 300 one4all	1	2 mA from DALI	1	1	0; 1 – 100 %	0; 0.1 – 100 %	0.5 – 1.5 mm²

DALI PCD/S

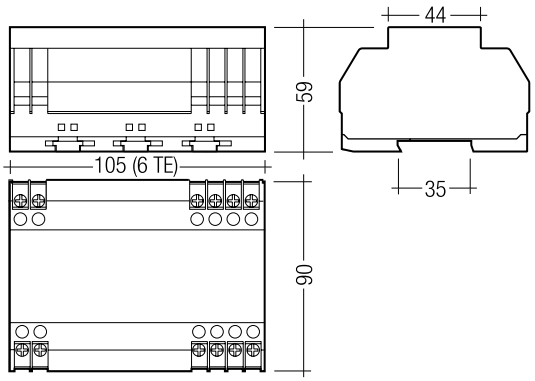
Leading-edge/trailing-edge phase dimmer

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, page 575

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

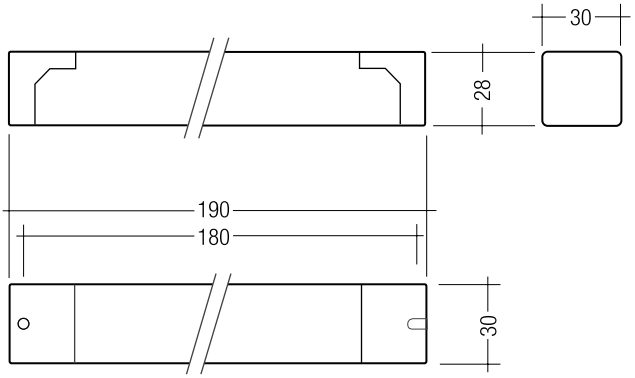
- Converter for converting analogue signals into DSI signals
- For connecting DSI devices in 1...10 V control systems
- For a maximum of 50 DSI devices
- Constant lighting control possible via terminal for SMART LS II
- On/off switching via separate switch input
- 5-year guarantee

→ 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 517

Wiring diagrams and installation examples, page 575

Ordering data

Type	Article number	Packaging, carton
DSI-A/D	**86453957**	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 switching cabinets

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

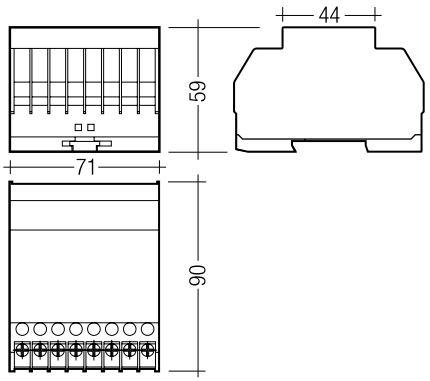
→

For standards see data sheet

Product / function matrix, page 517

Wiring diagrams and installation examples, page 575





Ordering data

Type	Article number	Packaging, carton
DSI-A/DS	**86456111**	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

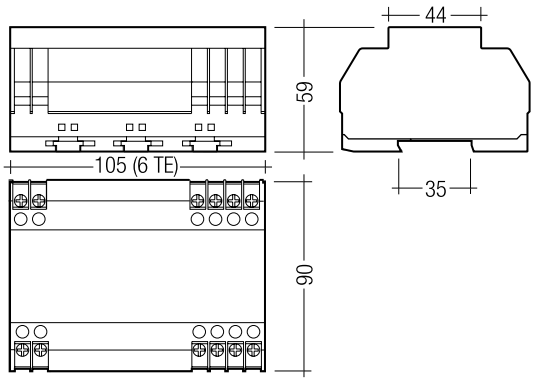
- Digital leading-edge and trailing-edge phase dimmer
- Control via DSI signal or momentary-action switch
- Preset function: storage and retrieval of any lighting value
- With automatic load detection
- For installation in switching cabinets
- Status LED for indicating the operating status
- Not suitable 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, page 575

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

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

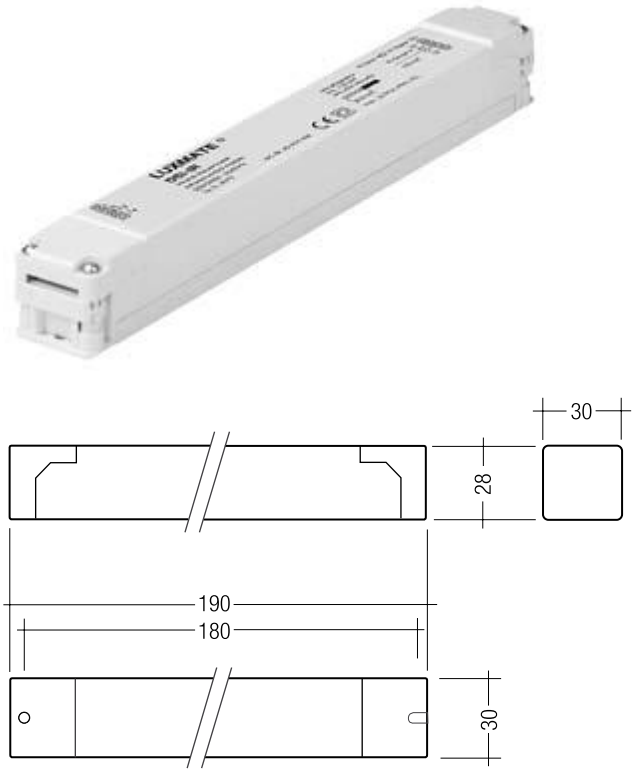
Technical data

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, page 575



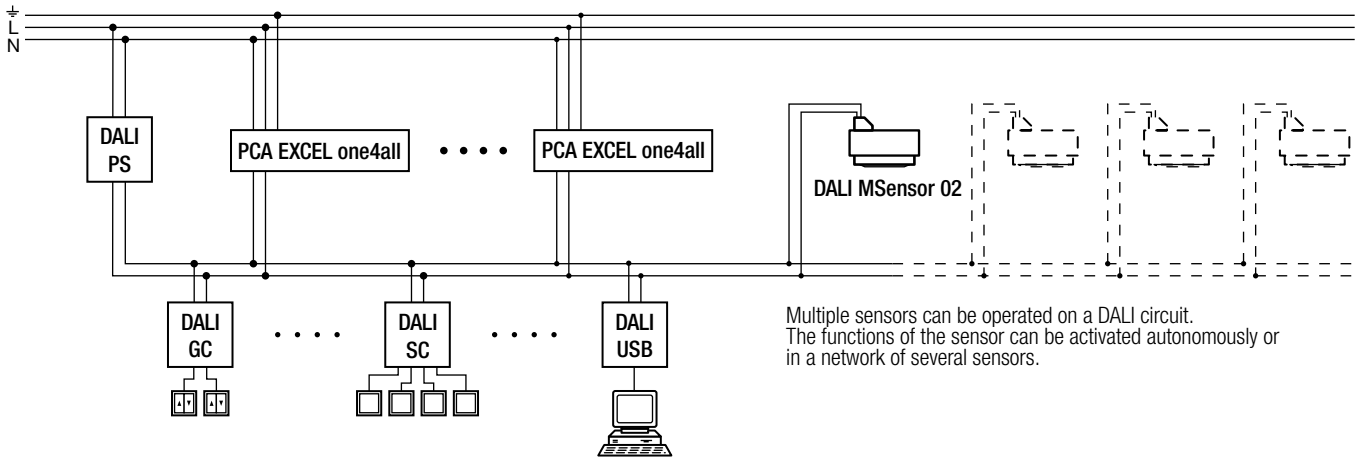
Ordering data

Type	Article number	Packaging, carton	Weight per pc.
DSI-RK	**86449304**	10 pc(s).	0.113 kg

Specific technical data

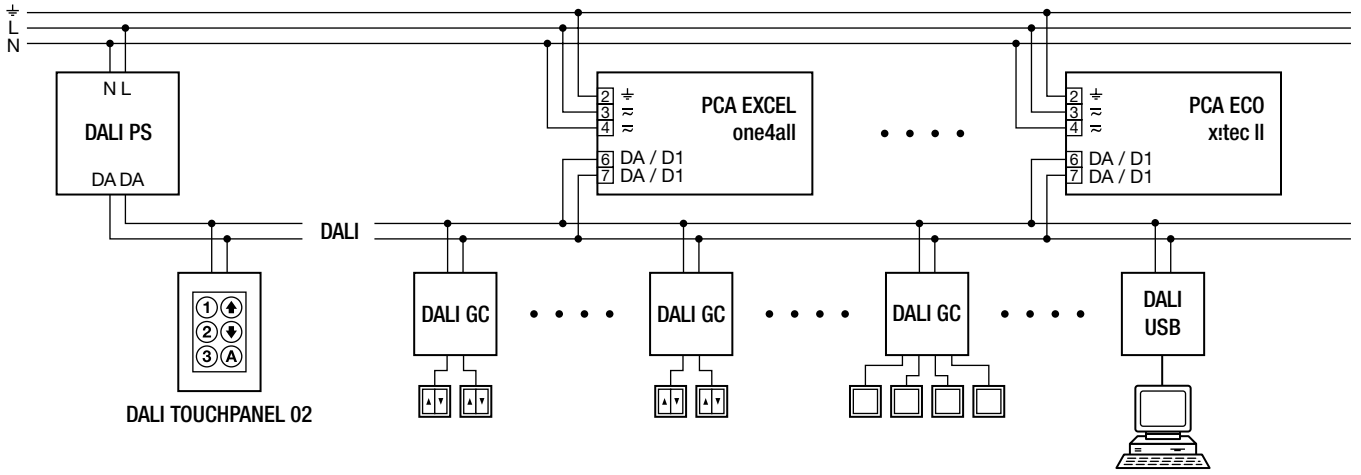
Type	Input	Output, relay		
		Relay, floating	Switching output (at 110 V DC max.)	Switching output (at 250 V AC max.)
DSI-RK	DSI / switchDIM	Make contact	110 W / 1 A	500 W / 2 A

DALI MSensor 02

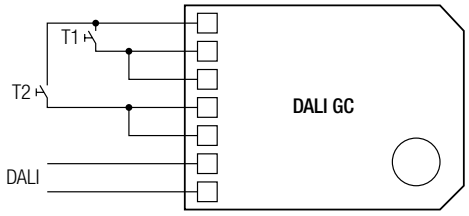


Multiple sensors can be operated on a DALI circuit.
The functions of the sensor can be activated autonomously or in a network of several sensors.

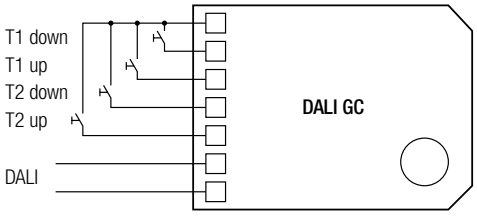
DALI modules in a network



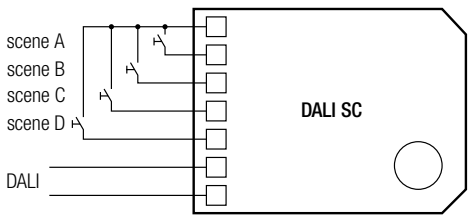
DALI GC, single push to make switches



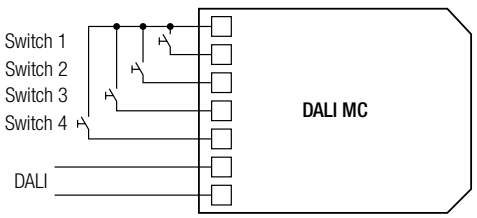
DALI GC, double push to make switches



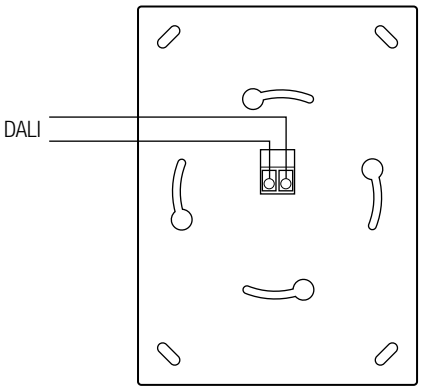
DALI SC



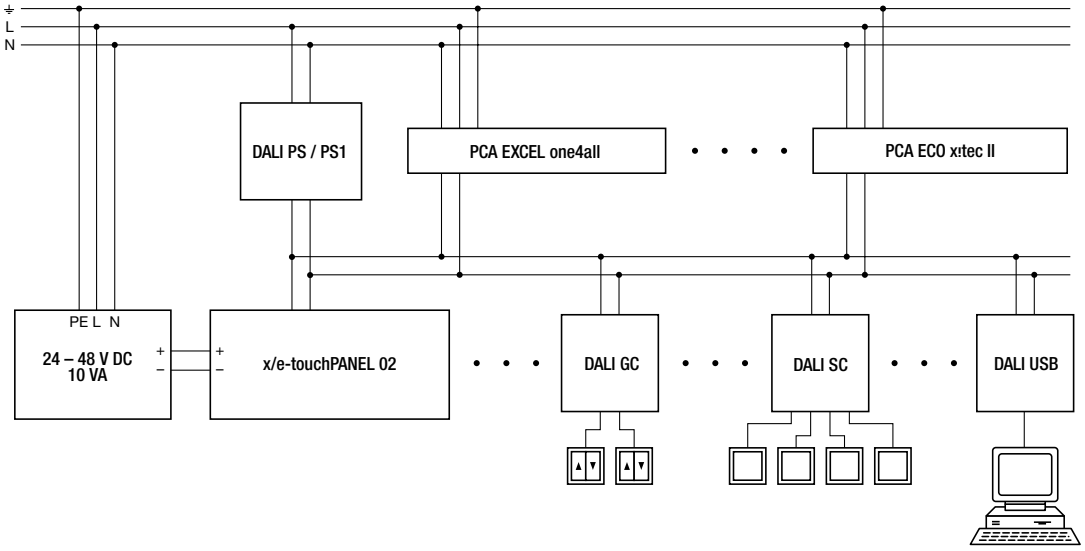
DALI MC



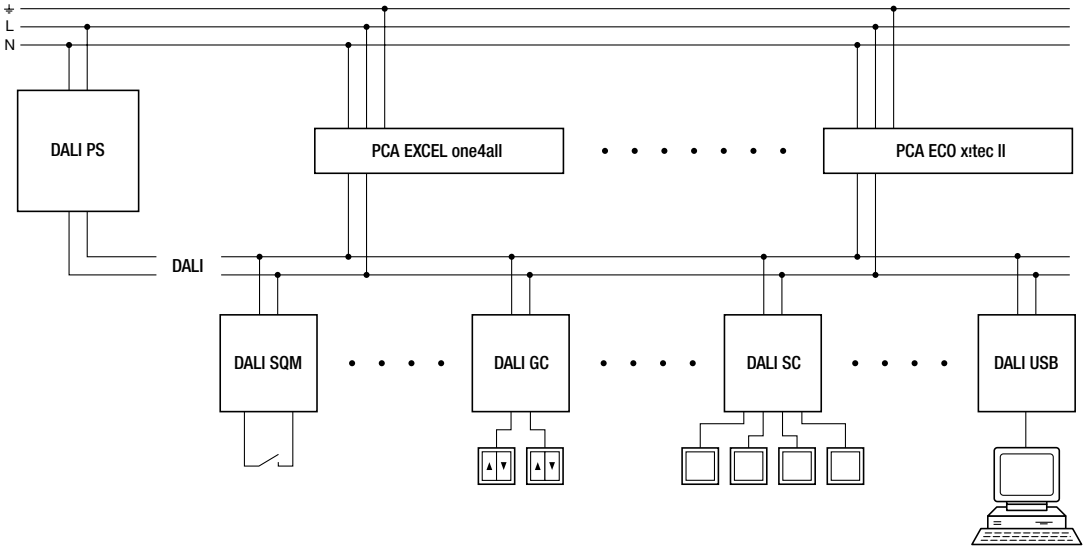
DALI TOUCHPANEL 02



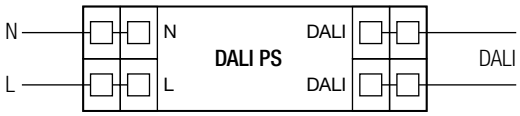
DALI x/e-touchPANEL 02



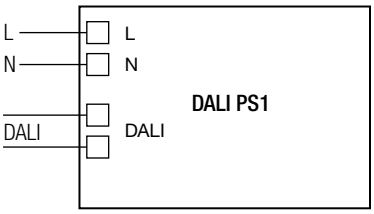
DALI SQM



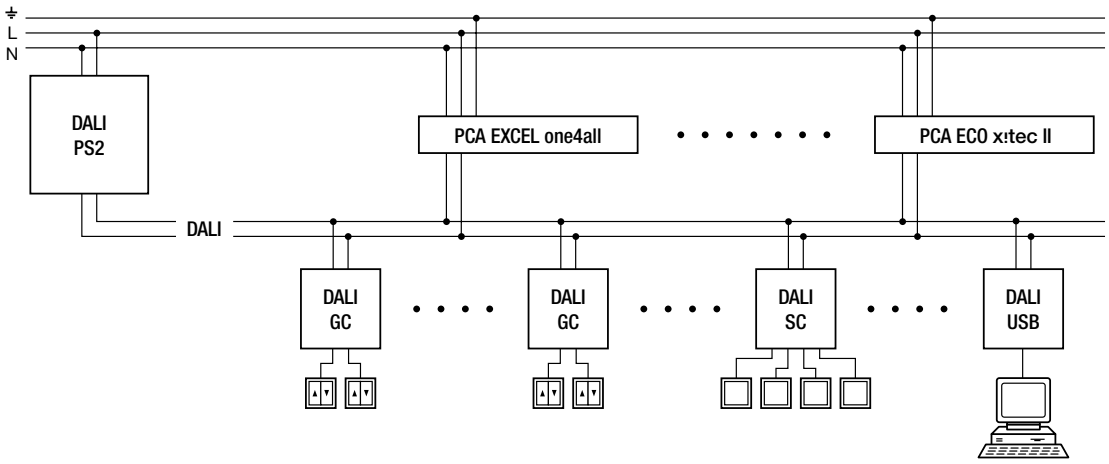
DALI PS



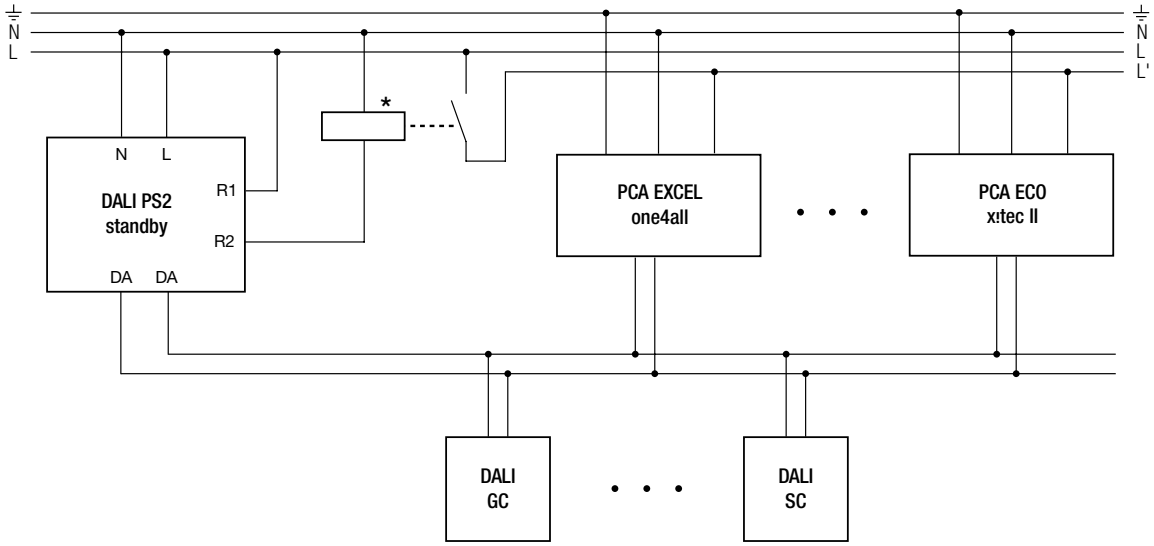
DALI PS1



DALI PS2

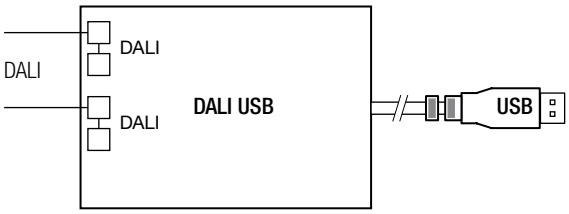


DALI PS2 standby

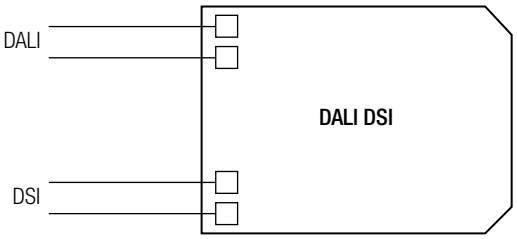


* The inrush currents of the ECG must be taken into account when dimensioning the contactor.

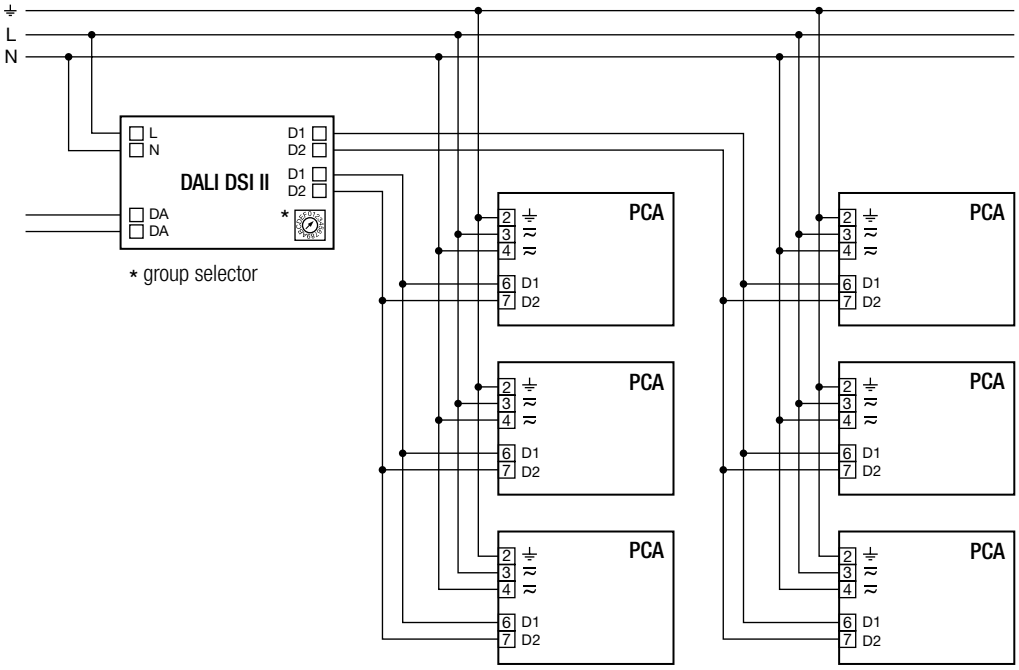
DALI USB



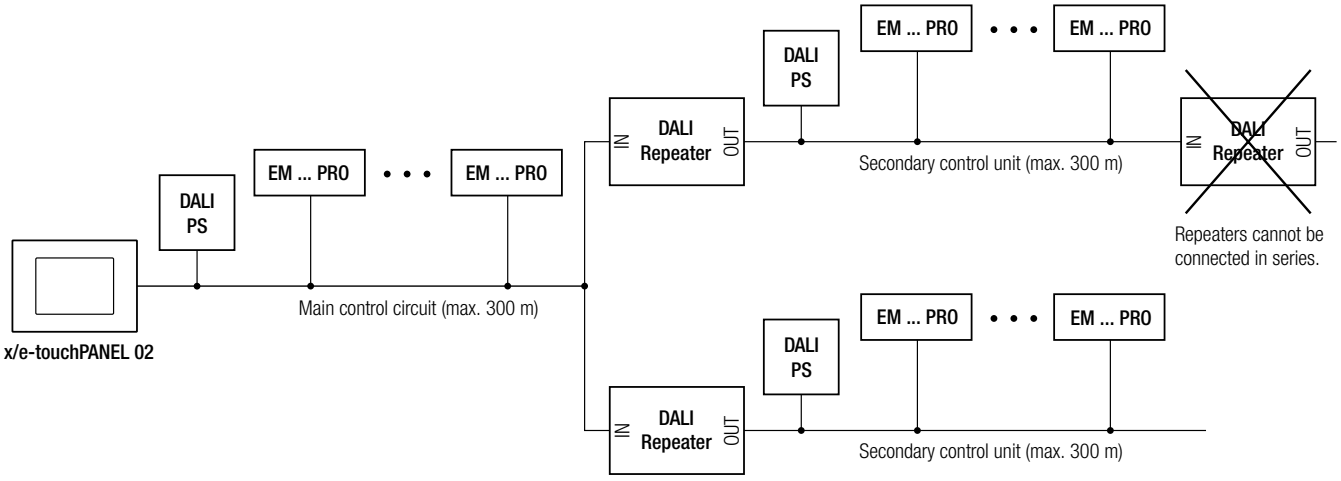
DALI DSI



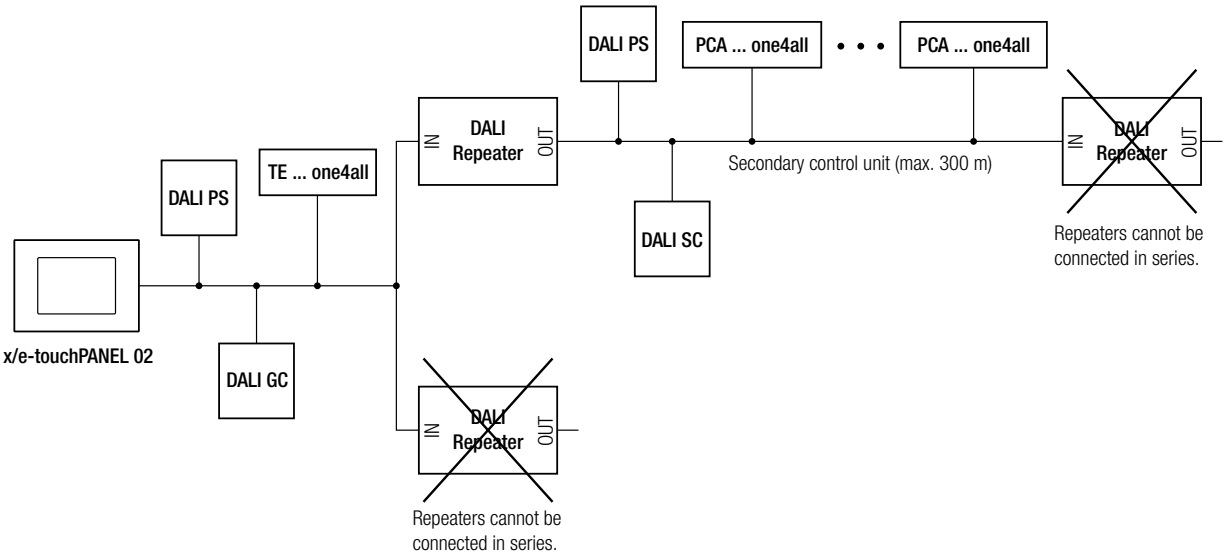
DALI DSI II



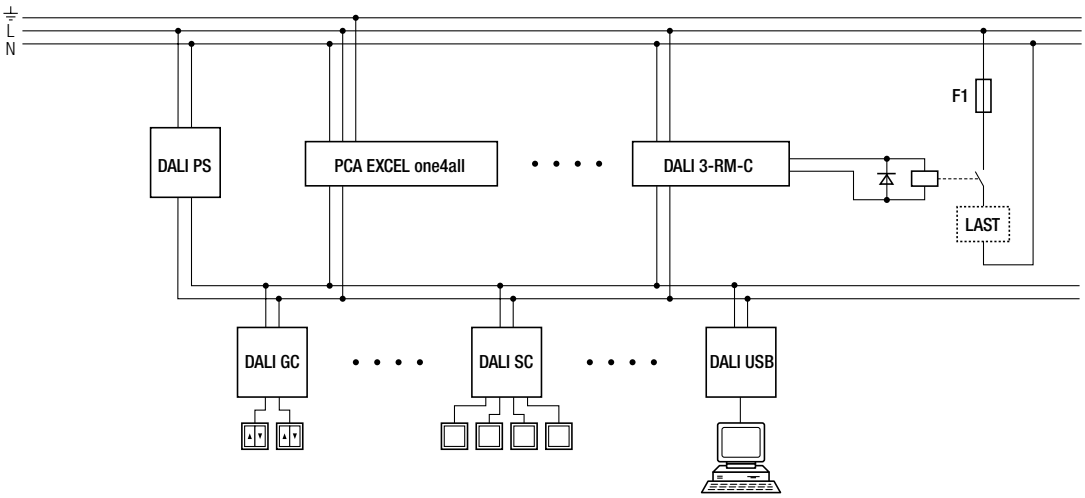
DALI Repeater – with one controller



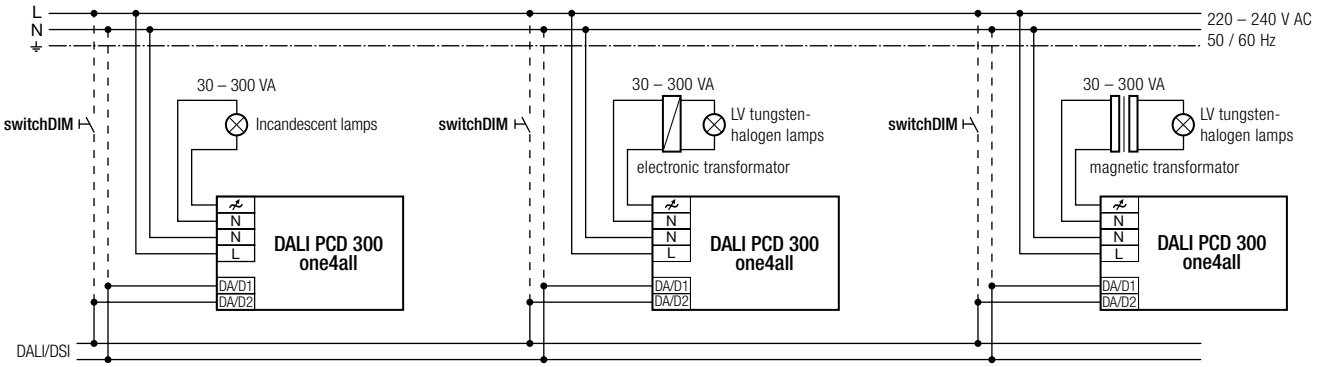
DALI Repeater – with multiple controllers



DALI 3-RM-C

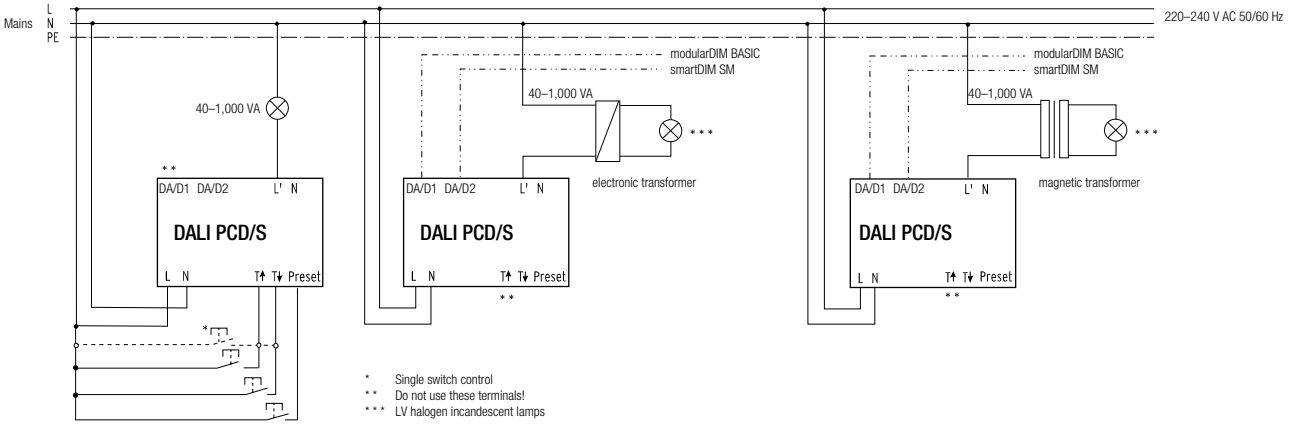


DALI PCD 300 one4all

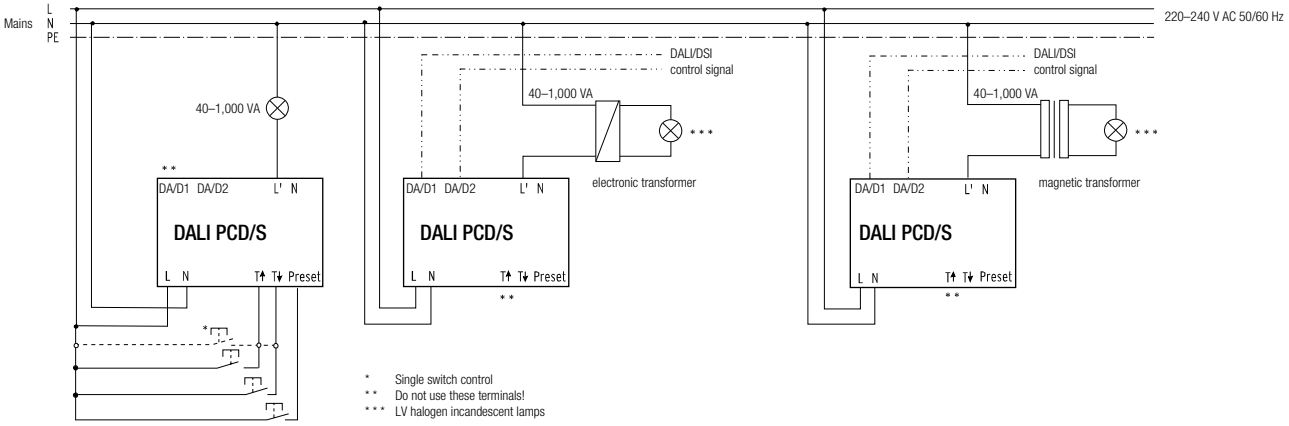


Mixed loads (capacitative, inductive and ohmic) may be used.

DALI PCD/S – circuit 1

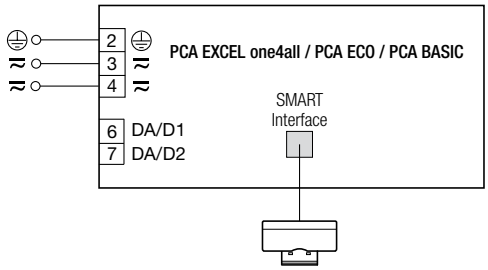


DALI PCD/S – circuit 2

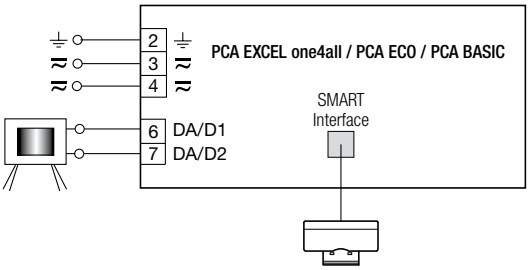


SMART Sensor 5D 19f

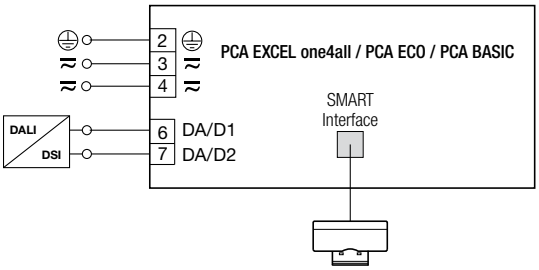
ON/OFF switch directly via mains voltage



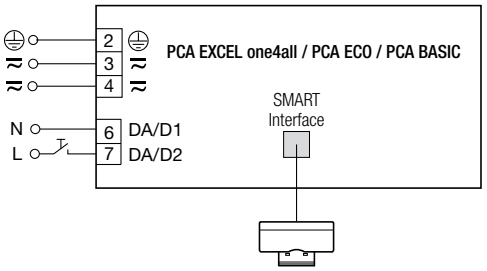
corridorFUNCTION with external motion sensor



DSI/DALI

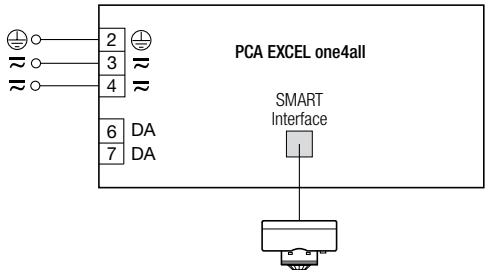


switchDIM

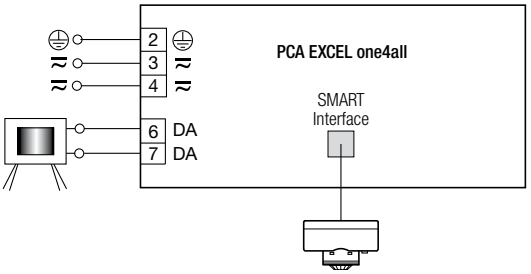


SMART Sensor 5DP 19f

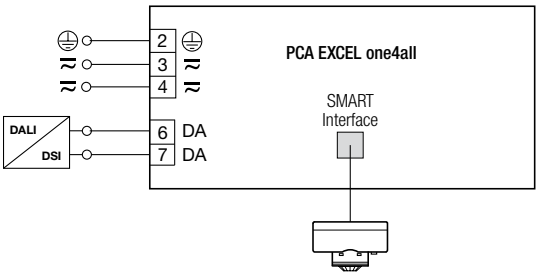
corridorFUNCTION with integrated motion sensor



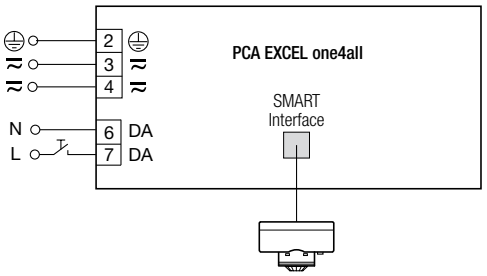
corridorFUNCTION with external motion sensor



DSI/DALI

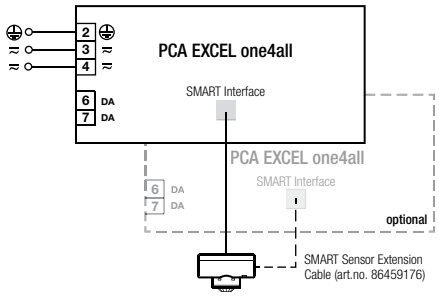


switchDIM

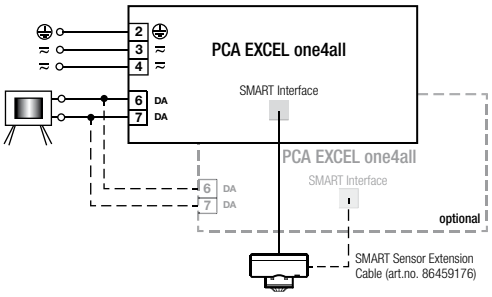


SMART Sensor 5DPI 19f / SMART Sensor 10DPI 19f

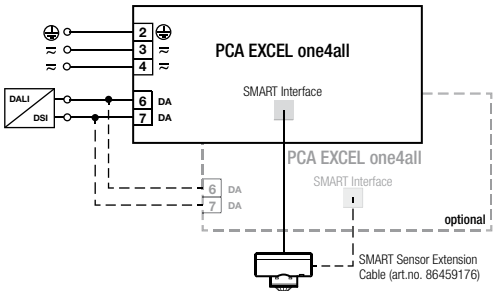
corridorFUNCTION with integrated motion sensor



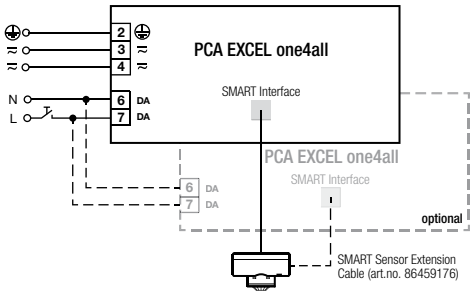
corridorFUNCTION with external motion sensor



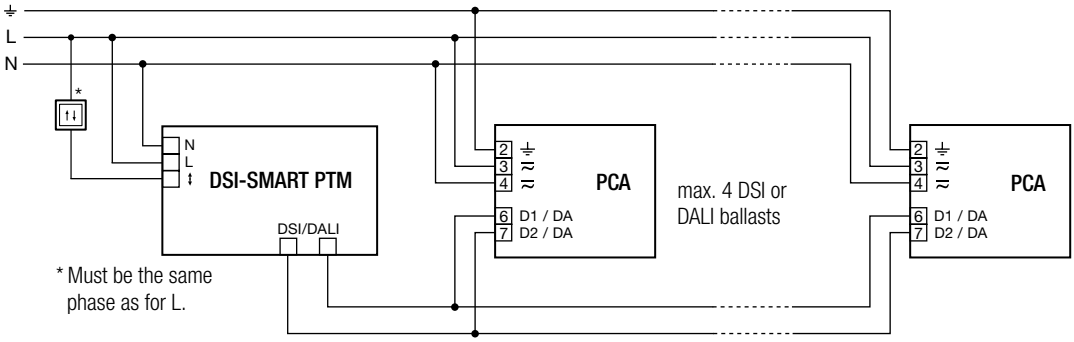
DSI/DALI



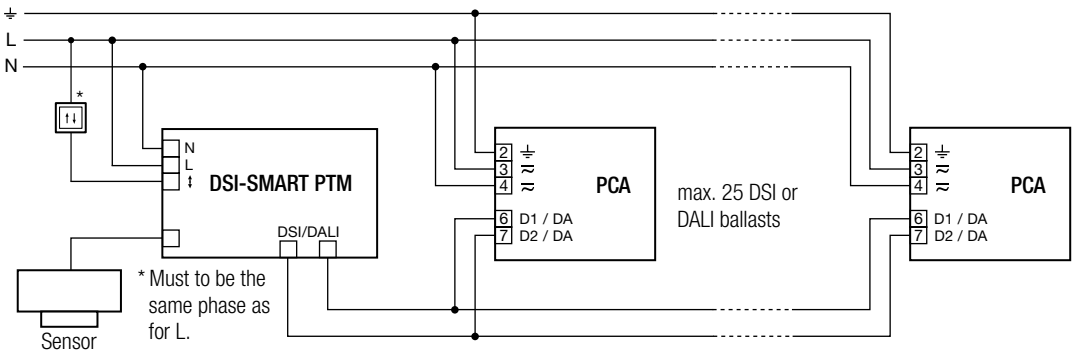
switchDIM



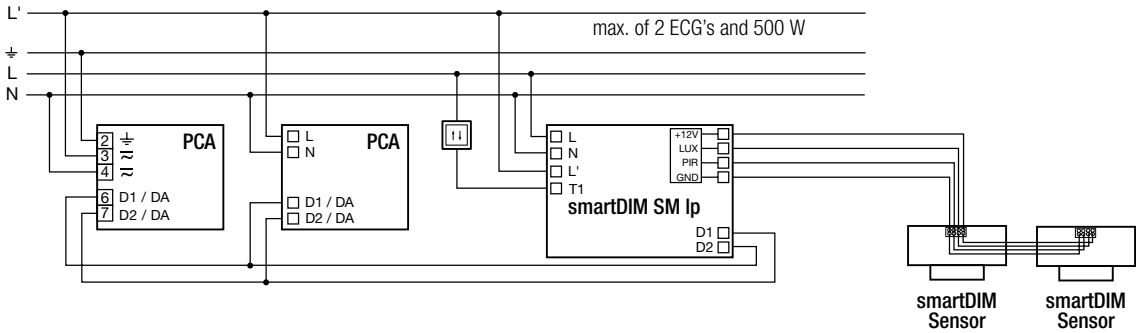
DSI-SMART PTM – luminaire installation / surface mounting



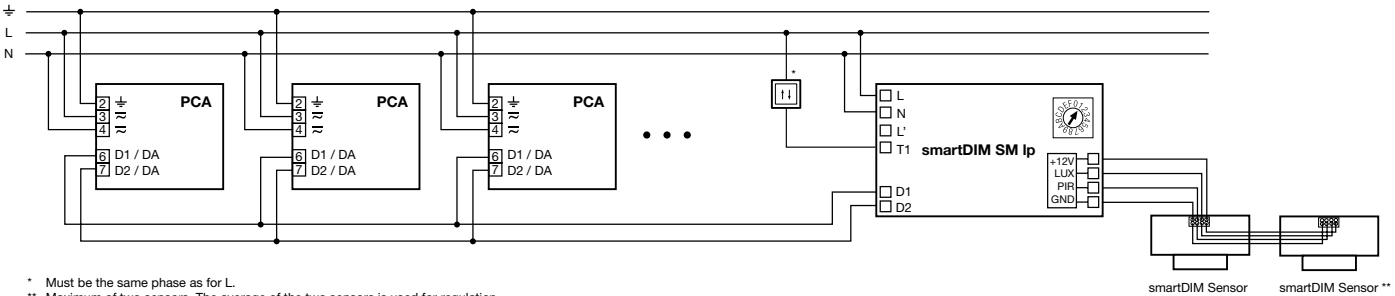
DSI-SMART PTM – ceiling installation



smartDIM SM lp – with 2 ECGs

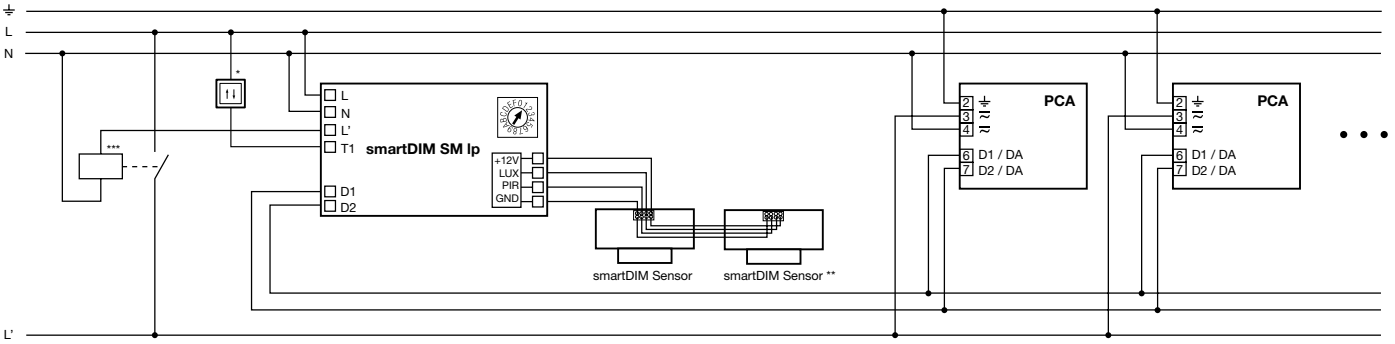


smartDIM SM lp – with up to 25 ECGs without using the internal relay



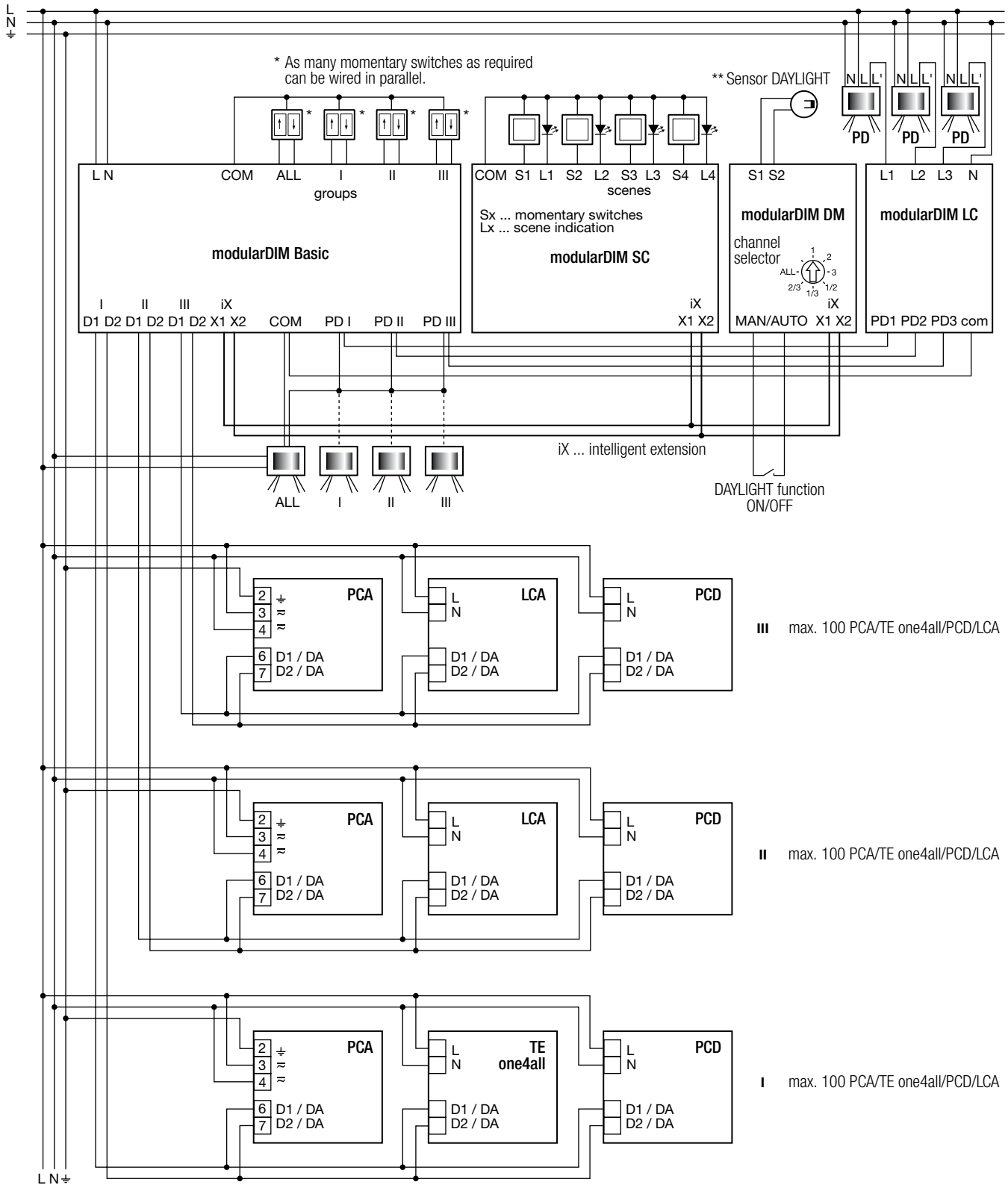
* Must be the same phase as for L.
** Maximum of two sensors. The average of the two sensors is used for regulation.

smartDIM SM lp – with up to 25 ECGs and use of the internal relay



* Must be the same phase as for L.
** Maximum of two sensors. The average of the two sensors is used for regulation.
*** The inrush currents of the ECGs must be taken into account when dimensioning the contactor.

modularDIM

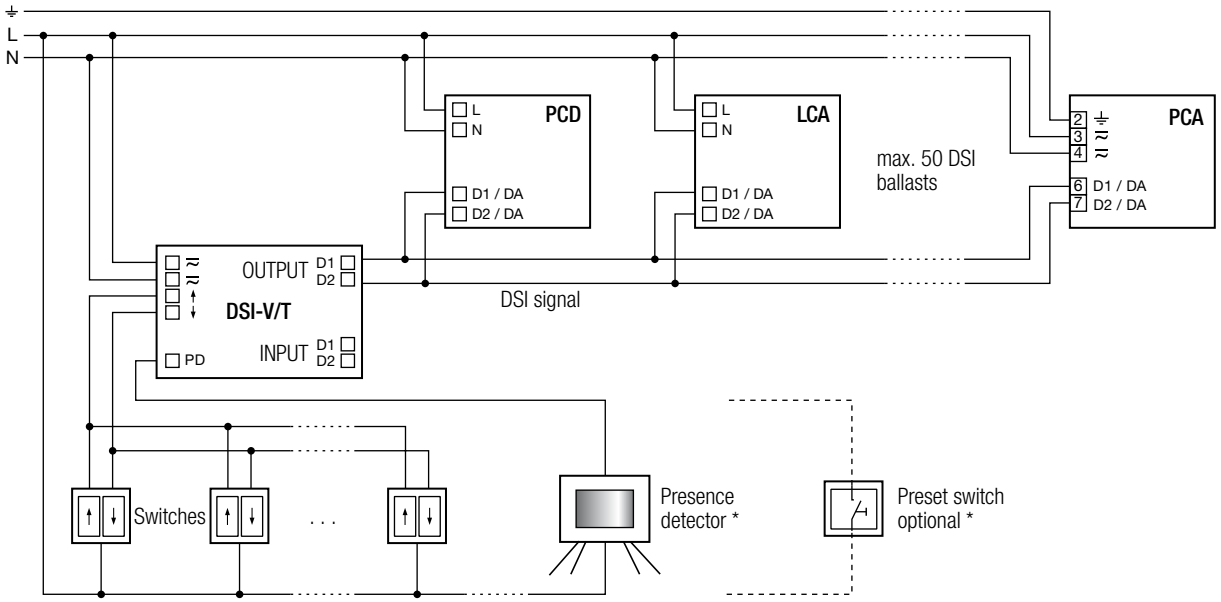


** The light sensor "Sensor DAYLIGHT" is to be installed with free view direction window (consider mounting instruction).

Maximum wire lengths:

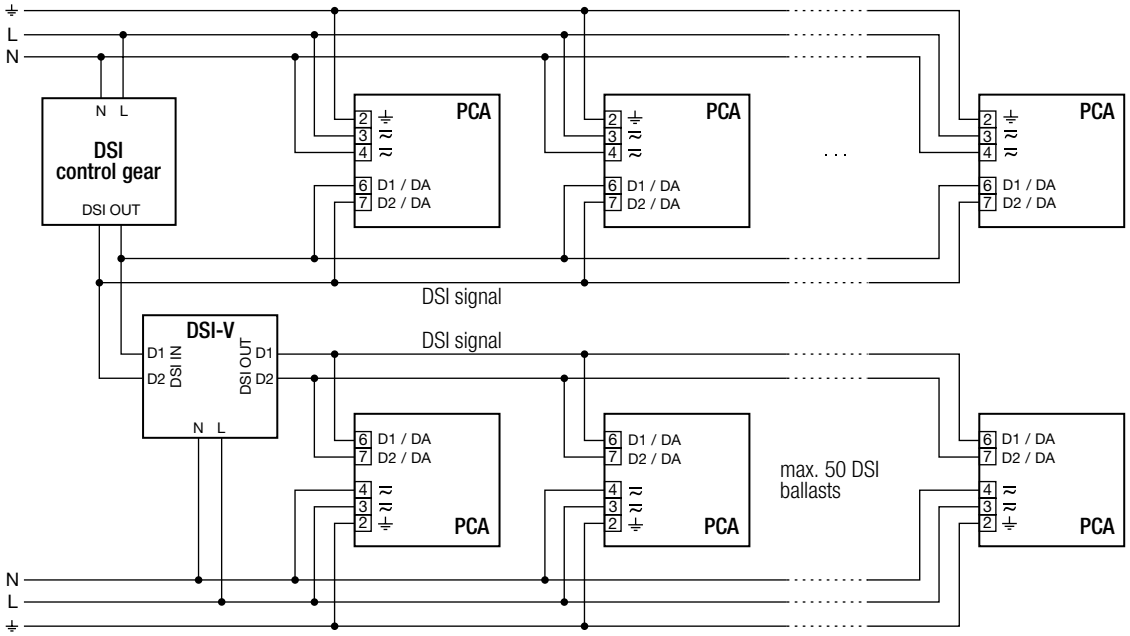
- DSI: max. 250 m
- Momentary switch: max. 100 m
- Scene indication: max. 100 m
- iX: max. 10 m
- Sensor DAYLIGHT: max. 100 m
- DAYLIGHT function ON/OFF: max. 100 m

DSI-V/T – DSI-T function



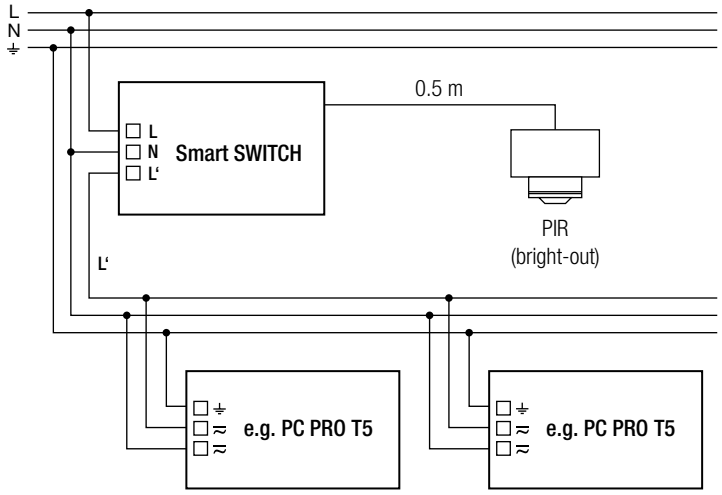
* Either control with presence detector or scene control via switches.

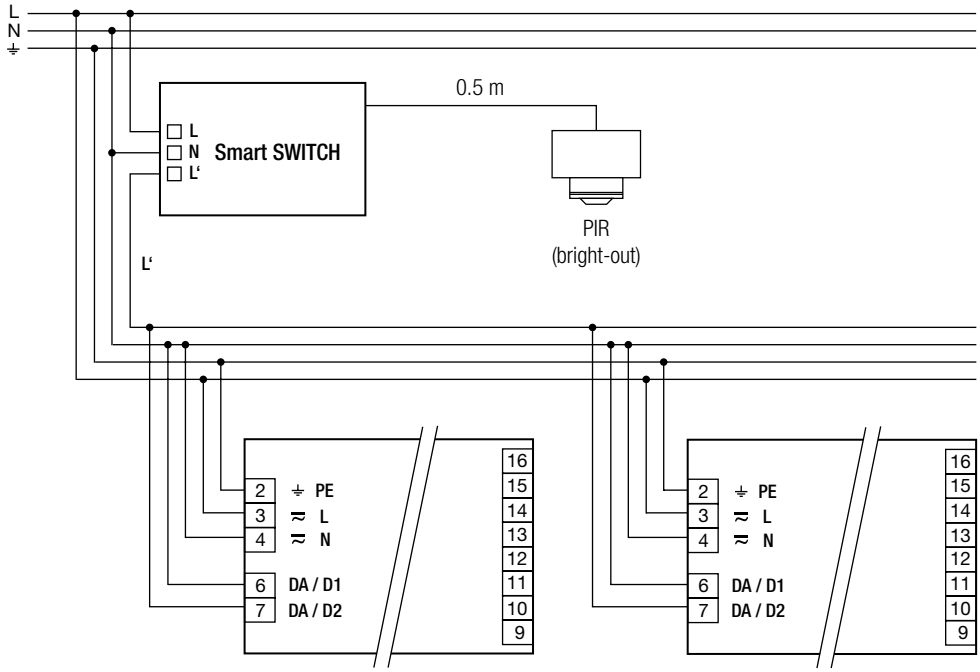
DSI-V/T – DSI-V function



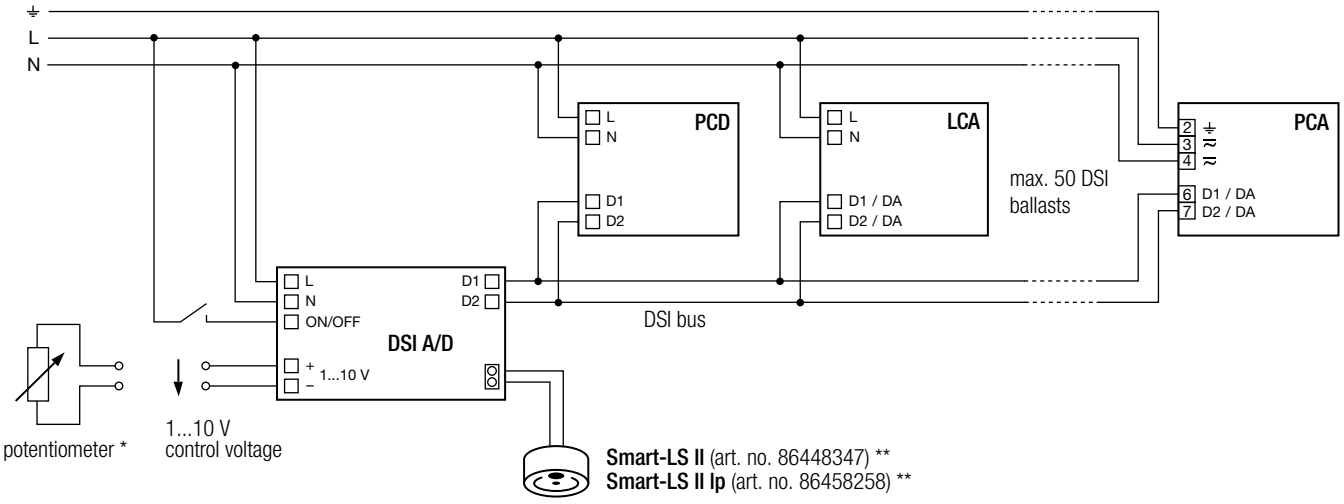
Cable length: Cable lengths of up to 500 m can be achieved by concatenating individual DSI-V/Ts. This maximum cable length can only be guaranteed in DSI-V mode if the DSI-V/T is operated as the only load, otherwise the maximum cable length is 250 m for a 1.5 mm² cable.

Smart SWITCH II



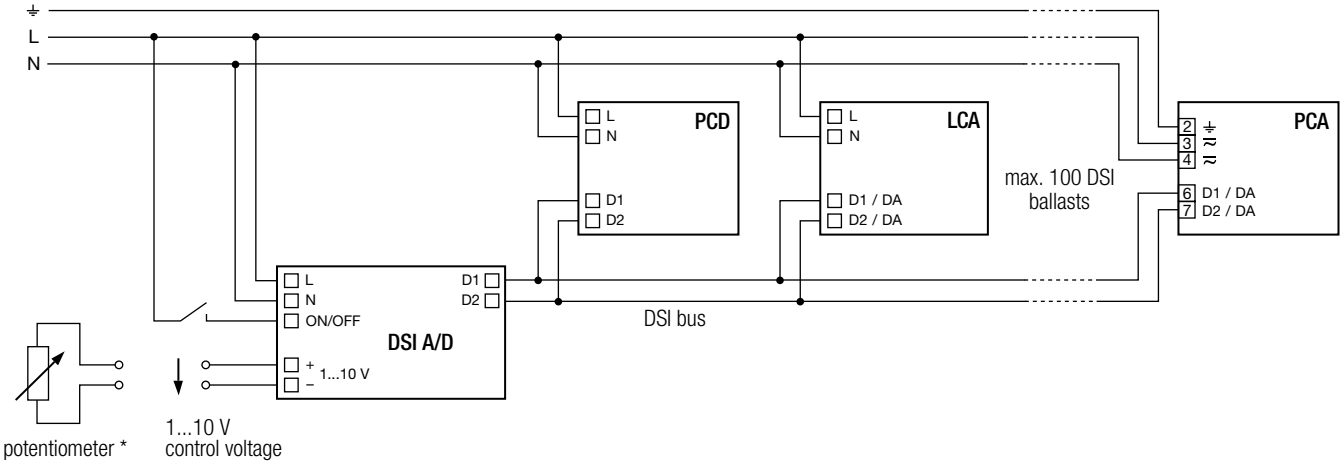


DSI-A/D



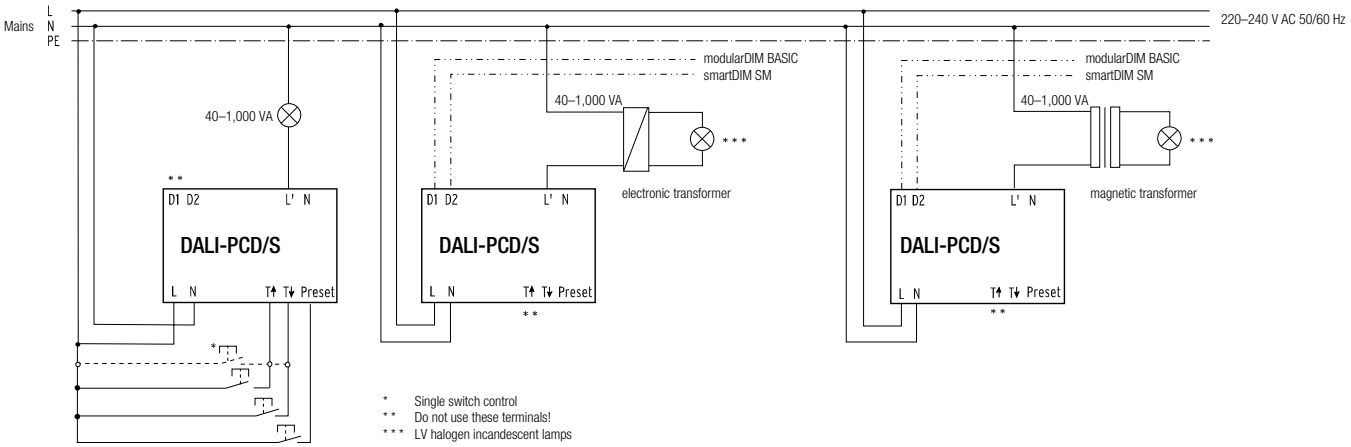
* If potentiometer with linear characteristic optimum 47 kΩ (47 – 100 kΩ possible), load ≥ 0.5 W.
** If a Smart-LS II sensor is connected, the 1...10 V function is disabled.

DSI-A/DS

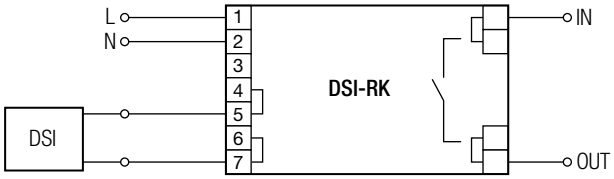


* If potentiometer with linear characteristic optimum 47 kΩ (47 – 100 kΩ possible), load ≥ 0.5 W.

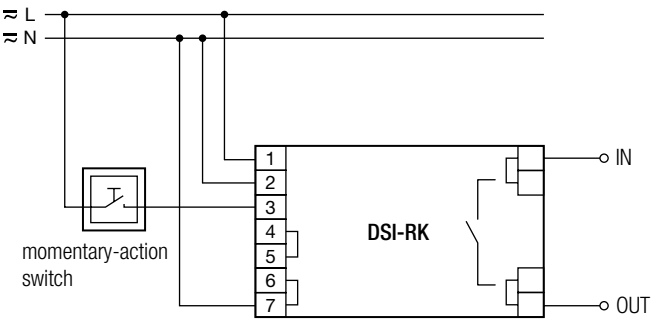
DSI-PCD/S



DSI-RK (DSI)



DSI-RK (switchDIM)



TRIDONIC's environmental data sheets (EPD) Page 593

TRIDONIC guarantee conditions Page 594

Energy classification table for lighting systems in accordance with EUP directive 2005/32/EC Page 596

TRIDONIC sales organisation Page 598

Approval marks and symbols Page 603

Standards Page 604

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, converters 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 lifetime 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.

Energy classification table for ballasts in accordance with ErP directive 2009/125/EC and regulation (EC) No 245/2009

Lamp data					Ballast efficiency (Plamp / Pinput)						
					Non-dimmable						
Lamp type	Nominal wattage	ILCOS code	Rated / typical wattage		A1 BAT	A1	A2 BAT	A2	A3	B1	B2
			50 Hz	HF							
	W		W	W							
T8	15	FD-15-E-G13-26/450	15	13.5	84.4 %	75.0 %	87.8 %	84.4 %	75.0 %	67.9 %	62.0 %
T8	18	FD-18-E-G13-26/600	18	16	84.2 %	76.2 %	87.7 %	84.2 %	76.2 %	71.3 %	65.8 %
T8	30	FD-30-E-G13-26/900	30	24	77.4 %	72.7 %	82.1 %	77.4 %	72.7 %	79.2 %	75.0 %
T8	36	FD-36-E-G13-26/1200	36	32	88.9 %	84.2 %	91.4 %	88.9 %	84.2 %	83.4 %	79.5 %
T8	38	FD-38-E-G13-26/1050	38.5	32	84.2 %	80.0 %	87.7 %	84.2 %	80.0 %	84.1 %	80.4 %
T8	58	FD-58-E-G13-26/1500	58	50	90.9 %	84.7 %	93.0 %	90.9 %	84.7 %	86.1 %	82.2 %
T8	70	FD-70-E-G13-26/1800	69.5	60	88.2 %	83.3 %	90.9 %	88.2 %	83.3 %	86.3 %	83.1 %
TC-L	18	FSD-18-E-2G11	18	16	84.2 %	76.2 %	87.7 %	84.2 %	76.2 %	71.3 %	65.8 %
TC-L	24	FSD-24-E-2G11	24	22	88.0 %	81.5 %	90.7 %	88.0 %	81.5 %	76.0 %	71.3 %
TC-L	36	FSD-36-E-2G11	36	32	88.9 %	84.2 %	91.4 %	88.9 %	84.2 %	83.4 %	79.5 %
TCF	18	FSS-18-E-2G10	18	16	84.2 %	76.2 %	87.7 %	84.2 %	76.2 %	71.3 %	65.8 %
TCF	24	FSS-24-E-2G10	24	22	88.0 %	81.5 %	90.7 %	88.0 %	81.5 %	76.0 %	71.3 %
TCF	36	FSS-36-E-2G10	36	32	88.9 %	84.2 %	91.4 %	88.9 %	84.2 %	83.4 %	79.5 %
TC-D / DE	10	FSQ-10-E-G24q=1 FSQ-10-I-G24d=1	10	9.5	86.4 %	73.1 %	89.4 %	86.4 %	73.1 %	67.9 %	59.4 %
TC-D / DE	13	FSQ-13-E-G24q=1 FSQ-13-I-G24d=1	13	12.5	89.3 %	78.1 %	91.7 %	89.3 %	78.1 %	72.6 %	65.0 %
TC-D / DE	18	FSQ-18-E-G24q=2 FSQ-18-I-G24d=2	18	16.5	86.8 %	78.6 %	89.8 %	86.8 %	78.6 %	71.3 %	65.8 %
TC-D / DE	26	FSQ-26-E-G24q=3 FSQ-26-I-G24d=3	26	24	88.9 %	82.8 %	91.4 %	88.9 %	82.8 %	77.2 %	72.6 %
TC-T / TE	13	FSM-13-E-GX24q=1 FSM-13-I-GX24d=1	13	12.5	89.3 %	78.1 %	91.7 %	89.3 %	78.1 %	72.6 %	65.0 %
TC-T / TE	18	FSM-18-E-GX24q=2 FSM-18-I-GX24d=2	18	16.5	86.8 %	78.6 %	89.8 %	86.8 %	78.6 %	71.3 %	65.8 %
TC-T / TC-TE	26	FSM-26-E-GX24q=3 FSM-26-I-GX24d=3	26.5	24	88.9 %	82.8 %	91.4 %	88.9 %	82.8 %	77.5 %	73.0 %
TC-DD / DDE	10	FSS-10-E-GR10q FSS-10-L/P/H-GR10q	10.5	9.5	82.6 %	70.4 %	86.4 %	82.6 %	70.4 %	68.8 %	60.5 %
TC-DD / DDE	16	FSS-16-E-GR10q FSS-16-I-GR8 FSS-16-L/P/H-GR10q	16	15	83.3 %	75.0 %	87.0 %	83.3 %	75.0 %	72.4 %	66.1 %
TC-DD / DDE	21	FSS-21-E-GR10q FSS-21-L/P/H-GR10q	21	19.5	86.7 %	78.0 %	89.7 %	86.7 %	78.0 %	73.9 %	68.8 %
TC-DD / DDE	28	FSS-28-E-GR10q FSS-28-I-GR8 FSS-28-L/P/H-GR10q	28	24.5	86.0 %	80.3 %	89.1 %	86.0 %	80.3 %	78.2 %	73.9 %
TC-DD / DDE	38	FSS-38-E-GR10q FSS-38-L/P/H-GR10q	38.5	34.5	89.6 %	85.2 %	92.0 %	89.6 %	85.2 %	84.1 %	80.4 %
TC	5	FSD-5-I-G23 FSD-5-E-2G7	5.4	5	66.7 %	58.8 %	72.7 %	66.7 %	58.8 %	49.3 %	41.4 %
TC	7	FSD-7-I-G23 FSD-7-E-2G7	7.1	6.5	72.2 %	65.0 %	77.6 %	72.2 %	65.0 %	55.7 %	47.8 %
TC	9	FSD-9-I-G23 FSD-9-E-2G7	8.7	8	72.7 %	66.7 %	78.0 %	72.7 %	66.7 %	60.3 %	52.6 %
TC	11	FSD-11-I-G23 FSD-11-E-2G7	11.8	11	78.6 %	73.3 %	83.0 %	78.6 %	73.3 %	66.7 %	59.6 %
T5	4	FD-4-E-G5-16/150	4.5	3.6	58.1 %	50.0 %	64.9 %	58.1 %	50.0 %	45.0 %	37.2 %
T5	6	FD-6-E-G5-16/225	6	5.4	65.1 %	58.1 %	71.3 %	65.1 %	58.1 %	51.8 %	43.8 %

Lamp data					Ballast efficiency (Plamp / Pinput)						
					Non-dimmable						
Lamp type	Nominal wattage	ILCOS code	Rated / typical wattage		A1 BAT	A1	A2 BAT	A2	A3	B1	B2
			50 Hz	HF							
	W		W	W							
T5	8	FD-8-E-G5-16/300	7.1	7.5	63.6 %	58.6 %	69.9 %	63.6 %	58.6 %	48.9 %	42.7 %
T5	13	FD-13-E-G5-16/525	13	12.8	80.0 %	75.3 %	84.2 %	80.0 %	75.3 %	72.6 %	65.0 %
T9-C	22	FSC-22-E-G10q-29/200	22	19	86.4 %	79.2 %	89.4 %	86.4 %	79.2 %	74.6 %	69.7 %
T9-C	32	FSC-32-E-G10q-29/300	32	30	85.7 %	81.1 %	88.9 %	85.7 %	81.1 %	80.0 %	76.0 %
T9-C	40	FSC-40-E-G10q-29/400	40	32	86.5 %	82.1 %	89.5 %	86.5 %	82.1 %	82.6 %	79.2 %
T2	6	FDH-6-L/P-W4.3x8.5d-7/220		5	66.7 %	58.8 %	72.7 %	66.7 %	58.8 %		
T2	8	FDH-8-L/P-W4.3x8.5d-7/320		7.8	70.9 %	65.0 %	76.5 %	70.9 %	65.0 %		
T2	11	FDH-11-L/P-W4.3x8.5d-7/420		10.8	77.1 %	72.0 %	81.8 %	77.1 %	72.0 %		
T2	13	FDH-13-L/P-W4.3x8.5d-7/520		13.3	80.6 %	76.0 %	84.7 %	80.6 %	76.0 %		
T2	21	FDH-21-L/P-W4.3x8.5d-7/		21	85.7 %	79.2 %	88.9 %	85.7 %	79.2 %		
T2	23	FDH-23-L/P-W4.3x8.5d-7/		23	86.8 %	80.7 %	89.8 %	86.8 %	80.7 %		
T5-E	14	FDH-14-G5-L/P-16/550		13.7	80.6 %	72.1 %	84.7 %	80.6 %	72.1 %		
T5-E	21	FDH-21-G5-L/P-16/850		20.7	86.3 %	79.6 %	89.3 %	86.3 %	79.6 %		
T5-E	24	FDH-24-G5-L/P-16/550		22.5	86.5 %	80.4 %	89.6 %	86.5 %	80.4 %		
T5-E	28	FDH-28-G5-L/P-16/1150		27.8	86.9 %	81.8 %	89.8 %	86.9 %	81.8 %		
T5-E	35	FDH-35-G5-L/P-16/1450		34.7	89.0 %	82.6 %	91.5 %	89.0 %	82.6 %		
T5-E	39	FDH-39-G5-L/P-16/850		38	88.4 %	82.6 %	91.0 %	88.4 %	82.6 %		
T5-E	49	FDH-49-G5-L/P-16/1450		49.3	89.2 %	84.6 %	91.6 %	89.2 %	84.6 %		
T5-E	54	FDH-54-G5-L/P-16/1150		53.8	89.7 %	85.4 %	92.0 %	89.7 %	85.4 %		
T5-E	80	FDH-80-G5-L/P-16/1150		80	90.9 %	87.0 %	93.0 %	90.9 %	87.0 %		
T5-E	95	FDH-95-G5-L/P-16/1150		95	90.5 %	84.1 %	92.7 %	90.5 %	84.1 %		
T5-E	120	FDH-120-G5-L/P-16/1450		120	90.2 %	84.5 %	92.5 %	90.2 %	84.5 %		
T5-C	22	FSCH-22-L/P-2GX13-16/225		22.3	84.8 %	78.8 %	88.1 %	84.8 %	78.8 %		
T5-C	40	FSCH-40-L/P-2GX13-16/300		39.9	88.9 %	83.3 %	91.4 %	88.9 %	83.3 %		
T5-C	55	FSCH-55-L/P-2GX13-16/300		55	90.2 %	84.6 %	92.4 %	90.2 %	84.6 %		
T5-C	60	FSCH-60-L/P-2GX13-16/375		60	90.9 %	85.7 %	93.0 %	90.9 %	85.7 %		
TC-LE	40	FSDH-40-L/P-2G11		40	88.9 %	83.3 %	91.4 %	88.9 %	83.3 %		
TC-LE	55	FSDH-55-L/P-2G11		55	90.2 %	84.6 %	92.4 %	90.2 %	84.6 %		
TC-LE	80	FSDH-80-L/P-2G11		80	90.9 %	87.0 %	93.0 %	90.9 %	87.0 %		
TC-TE	32	FSMH-32-L/P-2GX24q=3		32	88.9 %	82.1 %	91.4 %	88.9 %	82.1 %		
TC-TE	42	FSMH-42-L/P-2GX24q=4		43	91.5 %	86.0 %	93.5 %	91.5 %	86.0 %		
TC-TE	57	FSM6H-57-L/P-2GX24q=5 FSM8H-57-L/P-2GX24q=5		56	88.9 %	83.6 %	91.4 %	88.9 %	83.6 %		
TC-TE	70	FSM6H-70-L/P-2GX24q=6 FSM8H-70-L/P-2GX24q=6		70	90.9 %	85.4 %	93.0 %	90.9 %	85.4 %		
TC-TE	60	FSM6H-60-L/P-2G8=1		63	90.0 %	84.0 %	92.3 %	90.0 %	84.0 %		
TC-TE	62	FSM8H-62-L/P-2G8=2		62	89.9 %	83.8 %	92.2 %	89.9 %	83.8 %		
TC-TE	82	FSM8H-82-L/P-2G8=2		82	90.1 %	83.7 %	92.4 %	90.1 %	83.7 %		
TC-TE	85	FSM6H-85-L/P-2G8=1		87	90.6 %	84.5 %	92.8 %	90.6 %	84.5 %		
TC-TE	120	FSM6H-120-L/P-2G8=1 FSM8H-120-L/P-2G8=1		122	90.4 %	84.7 %	92.6 %	90.4 %	84.7 %		
TC-DD	55	FSSH-55-L/P-GR10q3		55	90.2 %	84.6 %	92.4 %	90.2 %	84.6 %		

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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.
M M	The device is suitable for installing on or in furniture which is made from materials with unknown flammability properties.
90 100 110 120 130	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.
C L,C	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.
EL-T	Battery supplied emergency electronic control gear 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
EN 61347-2-2	IEC 61347-2-2	Particular requirements for d.c. or a.c. supplied electronic step-down converters for filament lamps
EN 61347-2-3	IEC 61347-2-3	Particular requirements for a.c. supplied electronic ballasts for fluorescent lamps
EN 61347-2-7	IEC 61347-2-7	Particular requirements for battery supplied electronic control gear for emergency lighting
EN 61347-2-11	IEC 61347-2-11	Particular requirements for electronic modules for luminaires
EN 61347-2-12	IEC 61347-2-12	Particular requirements for d.c. or a.c. supplied electronic ballasts for discharge lamps
EN 61347-2-13	IEC 61347-2-13	Particular requirements for d.c. or a.c. supplied electronic control gear 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 60929	IEC 60929	d.c. and/or a.c. supplied electronic ballasts for tubular fluorescent lamps – performance requirements
EN 61047	IEC 61047	d.c. or a.c. supplied electronic step-down converters for filament lamps – performance requirements
EN 62384	IEC 62384	d.c. or a.c. supplied electronic control gear 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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LCAI 65W 900mA–1750mA ECO lp	28000139	9006210456768	126
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LCAU 2x020/0048 L020 one4all	86459108	9120044924139	169
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LCBI 15W 500mA BASIC lp	89800256	9006210478685	95
LCBI 15W 500mA BASIC phase-cut SR	89800267	9006210487502	96
LCBI 15W 700mA BASIC lp	89800257	9006210478715	95
LCBI 15W 700mA BASIC phase-cut SR	89800268	9006210487533	96
LCBI 25W 700mA BASIC phase-cut SR	89800307	9006210501604	97
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LCI 080/0350 I010 220-240V	28000093	9006210453156	105
LCI 10W 150mA–400mA TOP C	28000189	9006210468884	19
LCI 10W 350mA TEC C	87500239	9006210488691	49
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LCI 10W 500mA TEC C	87500241	9006210488738	49
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LCI 10W 700mA TEC C	87500243	9006210488776	49
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LCI 15W 350mA stepDim lp	89800277	9006210496078	100
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PC 2x26-42 TC PRO sr	22176418	9006210346298	249
PC 2x26-42 TC PRO sr+	22176414	9006210346052	247
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PC 2x26/32/42-6 TC COMBO	89899989	9006210281360	444
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28000038	PCA 2x36 T8 EXCEL one4all lp xıtec II	9006210440446	298
28000039	PCA 2x36 T8 ECO lp xıtec II	9006210440514	308
28000040	PCA 2x58 T8 EXCEL one4all lp xıtec II	9006210440583	298
28000041	PCA 2x58 T8 ECO lp xıtec II	9006210440651	308
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89805277	Test switch EM 2	9006210176178	405
89818236	PC 3/4x18-33 COMBO	9006210148663	432
89818556	EM 33A BASIC	9006210161891	404
89818557	EM 34A BASIC	9006210161921	404
89818581	EM 35A BASIC	9006210161952	404
89818654	EM 36A BASIC	9006210161983	404
89818655	EM 33B BASIC	9006210162010	404
89818662	EM 34B BASIC	9006210162041	404
89818667	EM 35B BASIC	9006210162072	404
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89895963	Accu-NiCd 6C	9006210166629	503
89895971	EM 13B BASIC	9006210167565	404
89895973	Accu-NiCd 5A	9006210170572	503
89895976	Accu-NiCd 3B	9006210174488	503
89895977	Accu-NiCd 4B	9006210174518	503
89895978	Accu-NiCd 4C	9006210174457	503
89899605	LED EM green	9006210177243	405
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89899621	EM 35D BASIC	9006210197609	404
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89899692	Accu-NiCd C 4A	9006210204772	503
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89899706	Accu-NiMH C 6A	9006210204895	507
89899707	Accu-NiMH C 6C	9006210204918	507
89899720	LED EM bi-colour	9006210201245	476
89899743	Accu-NiCd C 3A	9006210231792	503
89899744	Accu-NiMH C 3A	9006210247298	507
89899753	LED EM bi-colour, high brightness	9006210206202	476
89899755	Accu-NiMH C 2A	9006210247328	507
89899756	LED EM green, ultra high brightness	9006210206233	405
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89899823	EM 21/28/49-5 T5 BASIC	9006210239194	413
89899824	EM 39-5 T5 BASIC	9006210239224	413
89899825	EM 35-6 T5 BASIC	9006210238937	413
89899826	EM 54/80-6 T5 BASIC	9006210239255	413
89899836	EM PRO addressing tool	9006210345208	429
89899850	Accu-NiMH 4Ah C 4A	9006210242132	507
89899851	Accu-NiMH 4Ah C 5A	9006210242156	507
89899852	Accu-NiMH 4Ah C 6A	9006210242170	507
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89899857	TE-0105 C201	9006210244556	377
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89899859	EM powerLED 2 W BASIC	9006210249650	473
89899860	EM powerLED 1 W ST	9006210249681	475
89899861	EM powerLED 2 W ST	9006210249711	475
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89899865	EM powerLED 1 W BASIC	9006210249773	473
89899866	EM powerLED 2 W BASIC	9006210249865	473
89899867	EM powerLED 1 W ST	9006210249803	475
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89899875	PC 1x14-3 T5 COMBO lp	9006210265582	435
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89899879	PC 1x24-4 T5 COMBO lp	9006210259994	435
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89899925	PC 2x55-35 TC-L COMBO	9006210250137	441
89899926	PC 1x16-33 HO DD COMBO	9006210285177	444
89899927	PC 1x18-4 TC COMBO	9006210274355	444
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89899931	PC 1x26/32/42-6 TC COMBO	9006210278247	444
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89899943	PC 1x28-33 LO DD COMBO	9006210278339	444
89899947	EM-ES 08 285	9006210256894	498
89899948	EM-ES 10 285	9006210256924	498
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89899951	EM 33A MINI BASIC	9006210257419	411
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89899955	PC 1x28-34 LO DD COMBO	9006210266107	444
89899956	Test switch EM 3	9006210267586	417
89899957	PC 1x28-33 HO DD COMBO	9006210272337	444
89899958	PC 1x28-34 HO DD COMBO	9006210272368	444
89899975	PC 1x38-35 HO DD COMBO	9006210271750	444
89899976	PC 1x26-4 TC COMBO	9006210274386	444
89899978	Accu-NiMH 4Ah C 5C	9006210273112	507
89899980	PC 1x28-33 LO E DD COMBO	9006210323831	450
89899981	PC 1x38-34 LO DD COMBO	9006210278186	444
89899982	PC 2x18-3 TC COMBO	9006210278278	444
89899983	PC 1x26-3 TC COMBO	9006210278216	444
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9006210140476	PC 1x58-34 COMBO	89805270	432
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9006210161952	EM 35A BASIC	89818581	404
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9006210166537	Accu-NiCd 3A	89895960	503
9006210166629	Accu-NiCd 6C	89895963	503
9006210167565	EM 13B BASIC	89895971	404
9006210170572	Accu-NiCd 5A	89895973	503
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9006210174488	Accu-NiCd 3B	89895976	503
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9006210177786	DALI DSI	24034689	564
9006210179056	EM 14B BASIC	89899611	404
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9006210197609	EM 35D BASIC	89899621	404
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9006210201245	LED EM bi-colour	89899720	476
9006210204772	Accu-NiCd C 4A	89899692	503
9006210204796	Accu-NiCd C 5A	89899695	503
9006210204819	Accu-Nicd C 6A	89899698	503
9006210204833	Accu-NiCd C 6C	89899699	503
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9006210204871	Accu-NiMH C 5A	89899703	507
9006210204895	Accu-NiMH C 6A	89899706	507
9006210204918	Accu-NiMH C 6C	89899707	507
9006210205472	Pack-NiCd 3D	89899672	506
9006210205489	Pack-NiCd 4D	89899673	506
9006210205502	Pack-NiCd 6D	89899675	506
9006210205519	Pack-NiCd 3C	89899676	506
9006210205526	Pack-NiCd 4C	89899677	506
9006210205533	Pack-NiCd 5C	89899678	506
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9006210209517	Accu-NiCd C 5B	89899696	503
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9006210238968	EM 14/24-4 T5 BASIC	89899822	413
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9006210239224	EM 39-5 T5 BASIC	89899824	413
9006210239255	EM 54/80-6 T5 BASIC	89899826	413
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9006210242132	Accu-NiMH 4Ah C 4A	89899850	507
9006210242156	Accu-NiMH 4Ah C 5A	89899851	507
9006210242170	Accu-NiMH 4Ah C 6A	89899852	507
9006210242194	Accu-NiMH 4Ah C 6C	89899853	507
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9006210243641	TE VIPER 60 VA	22176072	374
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9006210244273	EM 13E BASIC	89899864	404
9006210244556	TE-0105 C201	89899857	377
9006210244815	PC 2/30 T8 PRO	22176078	240
9006210247298	Accu-NiMH C 3A	89899744	507
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9006210249650	EM powerLED 2 W BASIC	89899859	473
9006210249681	EM powerLED 1 W ST	89899860	475
9006210249711	EM powerLED 2 W ST	89899861	475
9006210249773	EM powerLED 1 W BASIC	89899865	473
9006210249803	EM powerLED 1 W ST	89899867	475
9006210249865	EM powerLED 2 W BASIC	89899866	473
9006210249896	EM powerLED 2 W ST	89899868	475
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9006210260235	PC 1x49-5 T5 COMBO lp	89899887	435
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9006210260815	EM-ES 08 246	89899954	498
9006210261980	Accu-NiMH 4Ah C 3A	89899854	507
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9006210265551	PC 1x35-6 T5 COMBO lp	89899885	435
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9006210265612	PC 2x14-3 T5 COMBO lp	89899876	435
9006210265643	PC 1x21/28-5 T5 COMBO lp	89899881	435
9006210265674	PC 2x21/28-5 T5 COMBO lp	89899882	435
9006210265704	PC 2x49-5 T5 COMBO lp	89899888	435
9006210266107	PC 1x28-34 LO DD COMBO	89899955	444
9006210266909	PC 1x38-34 HO DD COMBO	89899933	444
9006210266930	PC 2x26-4 TC COMBO	89899930	444
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9006210463407	STARK-CLE-220-1500-840-CLA-EM	28000107	189
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9006210463469	STARK-CLE-220-1500-840-CLA-EM-SO	28000109	189
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9006210465005	EM 03 PRO G2	89800197	427
9006210465036	EM 04 PRO G2	89800200	427
9006210465067	EM 05 PRO G2	89800203	427
9006210465098	EM 06 PRO G2	89800206	427
9006210465128	EM 04 ST G2	89800201	420
9006210465159	PC 1x18 TC TOP sr	28000077	256
9006210465180	EM 05 ST G2	89800204	420
9006210465210	PC 2x18 TC TOP sr	28000078	256
9006210465241	EM 06 ST G2	89800207	420
9006210465272	EM 03 BASIC lp G2	89800199	416
9006210465302	EM 04 BASIC lp G2	89800202	416
9006210465333	EM 05 BASIC lp G2	89800205	416
9006210465364	EM 06 BASIC lp G2	89800208	416
9006210465395	PC 1x26-42 TC TOP sr	28000079	256
9006210465425	PC 2x26 TC TOP sr	28000080	256
9006210465685	LCI 050/0350 I010 220-240 V	28000159	103
9006210465692	LCI 070/0300 I010 220-240 V	28000160	104
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