



PCA TCL ECO Ip x!tec, 55 W Compact and T5c fluorescent lamps

Product description

- Processor-controlled ballast with x!tec inside
- Noise-free precise control via DSI signal, switchDIM or corridorFUNCTION
- CELMA energy class A1 BAT¹⁾

Interfaces

- DSI
- switchDIM (with memory function + selectable dimming rate)
- corridorFUNCTION (3 preprogrammed profiles)
- Integrated SMART-Interface

Functions

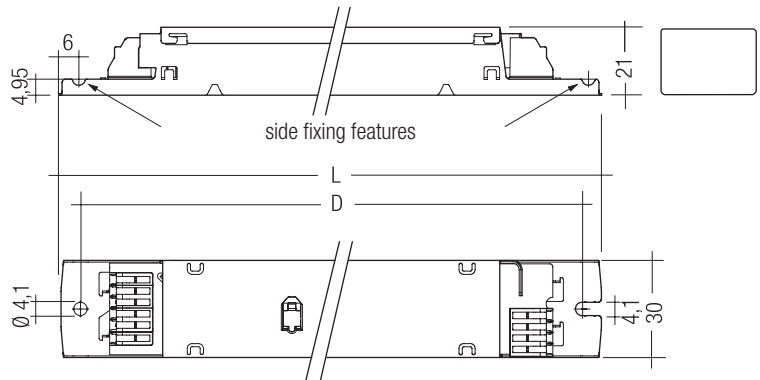
- Intelligent Temperature Guard (protection against thermal damage)
- Intelligent Voltage Guard (overvoltage indication and undervoltage shutdown)
- Optimum filament heating in any dimmer setting
- Disconnection of filament heating from a dimming level of approx. 90 % for maximum energy efficiency (SMART-Heating 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
- Backwards compatible

¹⁾ according to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010



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Technical data

Power input on standby	< 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
Life	50,000 h
Height	21 mm

Ordering data

Type	Article number
For luminaires with 1 lamp	
PCA 1x55 TCL ECO Ip x!tec	22176352
For luminaires with 2 lamps	
PCA 2x55 TCL ECO Ip x!tec	22176353

Packaging 360 mm casing: 10 pieces/carton, 760 pieces/pallet
Packaging 425 mm casing: 10 pieces/carton, 640 pieces/pallet

Specific technical data

Lamp wattage	Lamp type	Type	Length L	Dimensions LxWxH	Hole spacing D	Weight	Circuit power ^①	Lamp wattage ^②	Current at 230 V / 50 Hz ^③	λ at 50 Hz / 230 V	tc point	Ambient temperature ta ^④
For luminaires with 1 lamp												
1 x 55 W	TC-L	PCA 1x55 TCL ECO Ip x!tec	360 mm	360 x 30 x 21 mm	350 mm	0.26 kg	58.9 W	55 W	0.26 A	0.98	80 °C	-25 ... 60 °C
For luminaires with 2 lamps												
2 x 55 W	TC-L	PCA 2x55 TCL ECO Ip x!tec	425 mm	425 x 30 x 21 mm	415 mm	0.34 kg	117.8 W	110 W	0.51 A	0.99	80 °C	-25 ... 50 °C

^① Valid at 100 % dimming level

^② +10 °C to ta max: unrestricted dimming. -25 °C to +10 °C: unrestricted dimming from 100 % to 30 %. -25 °C to +10 °C, dimming below 30 %: malfunction possible but no damage to ECG. This applies to AC and DC operation.

