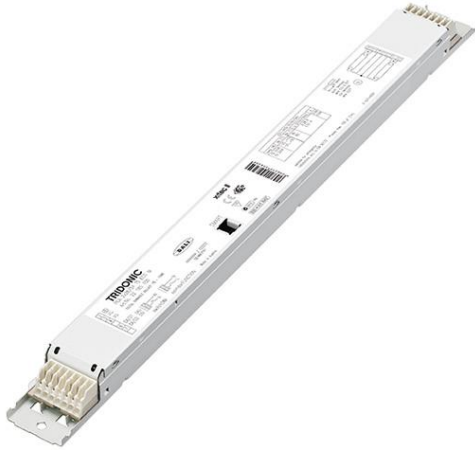


## PCA T5 ECO Ip xitec II, 14 – 80 W

ECO T5

**Product description**

- \_ Processor-controlled ballast with xitec II inside
- \_ Highest possible energy class CELMA EEI = A1 BAT <sup>①</sup>
- \_ 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 of 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
- \_ SMART interface for SMART plug cF – for setting the corridorFUNCTION profiles
- \_ SMART interface for SMART sensor with daylight control

**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

<sup>①</sup> According to the EU directives on ecodesign requirements (EC No. 245/2009 and (EC) No. 347/2010.

**Website**

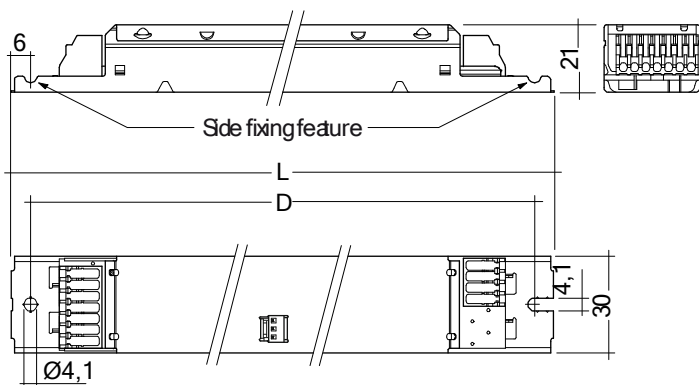
<http://www.tridonic.com/22185100>



PCA T5 ECO Ip xitec II, 14 – 80 W

ECO T5

The complete data sheet for this product is available in the Downloads section.



Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
<b>For luminaires with 2 lamps</b>				
PCA 2x28/54 T5 ECO Ip Xitec II	22185100	10 pc(s).	640 pc(s).	0.332 kg

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

Approval marks



Standards

EN 55015, EN 60929, EN 61000-3-2, EN 61347-2-3, EN 61547, Acc. to EN 50172 for emergency light installations, EN 50172, IEC 60929, IEC 61000-3-2, IEC 61347-2-3, IEC 61547, IEC 62386 (according to DALi standard V1)

Specific technical data

Lamp wattage	Lamp type	Type	Article number	Dimensions L x W x H	Hole spacing D	Lamp power <sup>②</sup>	Circuit power <sup>②</sup>	EEL	Current at 230 V, 50 Hz <sup>③</sup>	λ at 230 V, 50 Hz	tc point max.	Ambient temperature ta
2 x 28 W	T16 (T5)	PCA 2x28/54 T5 ECO Ip Xitec 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	T16 (T5)	PCA 2x28/54 T5 ECO Ip Xitec 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 Valid at 100 % dimming level.

③ +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.