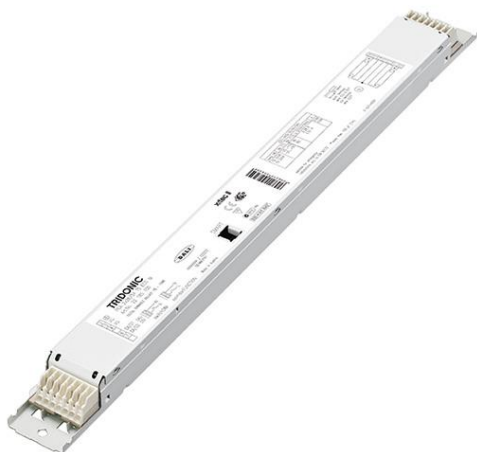


**PCA T8 EXCEL one4all Ip xitec II, 18 – 58 W**

EXCEL T8

**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 ≤ 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 xitec II range
- \_ SMART interface for SMART plug cF – for setting the corridorFUNCTION profiles
- \_ SMART interface for SMART plug Gr – for manual grouping of the devices
- \_ SMART interface for SMART plug Ma – for securing the device settings
- \_ SMART interface for SMART sensor with daylight control
- \_ SMART interface for SMART sensor with daylight control and presence detection
- \_ SMART interface for SMART sensor with daylight control, presence detection and infra-red 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)
- \_ 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

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

**Website**

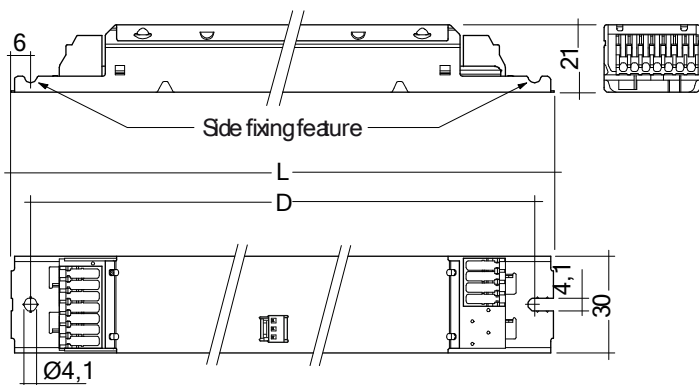
<http://www.tridonic.com/22185239>



PCA T8 EXCEL one4all Ip Xitec II, 18 – 58 W

EXCEL T8

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



Ordering data

Type	Article number <sup>®</sup>	Packaging, carton	Packaging, pallet	Weight per pc.
<b>For luminaires with 1 lamp</b>				
PCA 1x18 T8 EXCEL one4all Ip Xitec II	22185239	10 pc(s).	760 pc(s).	0.228 kg

Technical data

Mains voltage range	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V (lamp start $\geq$ 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 61000-3-2, EN 61347-2-3, EN 61547, Acc. to EN 50172 for emergency light installations, 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 <sup>®</sup>	Dimensions L x W x H	Hole spacing D	Lamp power <sup>®</sup>	Circuit power <sup>®</sup>	EEL	Current at 230 V, 50 Hz	$\lambda$ at 230 V, 50 Hz	t <sub>c</sub> point max.	Ambient temperature t <sub>a</sub>
1 x 18 W	T26 (T8)	PCA 1x18 T8 EXCEL one4all Ip Xitec 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

② Art. no. 28000034, 28000036, 28000038, 28000040 available at 1st quarter 2013.

③ Valid at 100 % dimming level.

④ +10 °C to t<sub>a</sub> 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.