TRIDONIC

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

EXCITE T5

Product description
_ Processor-controlled ballast with xitec 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 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

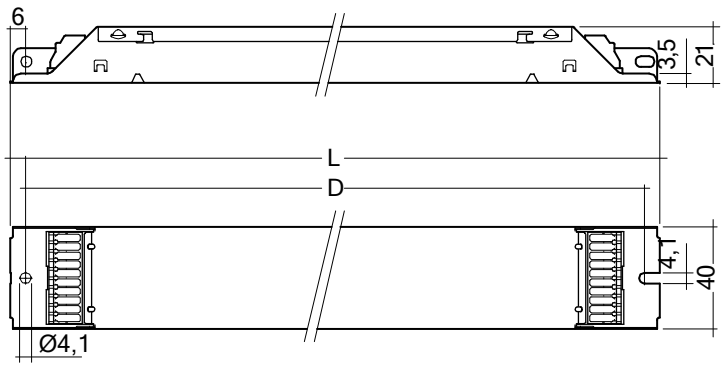
① According to the EU directives on ecodesign requirements (EC) No. 245/2009 and (EC) No. 347/2010.

Website
http://www.tridonic.com/28000307

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

EXCITE 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.
For luminaires with 3 lamps				
PCA 3x14/24 T5 EXCITE lp	**28000307**	20 pc(s).	600 pc(s).	0.298 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	< 0.5 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

Approval marks

RoHS

Standards

EN 55015, EN 60929, 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

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	T16 (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	T16 (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

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.