

Driver LCU 180W 24V IP20 EXC**EXCITE indoor IP20 series****Product description**

- _ Constant voltage LED Driver
- _ Universal input voltage range
- _ Constant output voltage
- _ Push terminals for simple wiring
- _ Nominal life-time up to 50,000 h (at t_a 45 °C with a failure rate $\leq$ 0.2 % per 1,000 h)
- _ 5-year guarantee
- _ Suitable for emergency escape lighting systems acc. to EN 50172
- _ Complies with CLASS C from minimum to maximum load range according to EN 61000-3-2

Properties

- _ Small design
- _ 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

Website

<http://www.tridonic.com/28000414>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



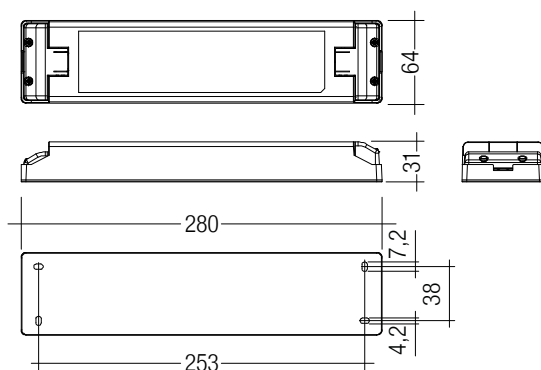
Decorative



High bay

EXCITE indoor IP20 series

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



LCU 180W 24V SR TOP

Ordering data

Type	Article number	Packaging, carton	Packaging, pallet	Weight per pc.
LCU 180W 24V TOP SR	28000414	10 pc(s).	400 pc(s).	0.85 kg

Technical data

Rated supply voltage	120 – 277 V
AC voltage range	108 – 305 V
DC voltage range	176 – 288 V
Rated current (at 120 V, 60 Hz, full load)	1.67 A
Rated current (at 230 V, 50 Hz, full load)	0.92 A
Rated current (at 277 V, 60 Hz, full load)	0.73 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 120 V 60 Hz, full load)	> 91 %
Efficiency (at 230 V, 50 Hz, full load)	> 90 %
Efficiency (at 277 V 60 Hz, full load)	> 93 %
λ (at 120 V, 60 Hz, full load)	0.99
λ (at 230 V, 50 Hz, full load)	0.95
λ (at 277 V, 60 Hz, full load)	0.97
Max. input power in no-load operation	0.5 W
Output voltage tolerance	-0 ... +5 %
Output power (ta ≤ 50 °C)	180 W
Output power (ta > 50 °C)	126 W
Output power range	18 – 180 W
Turn on time (output)	≤ 0.5 s
Turn off time (output)	≤ 1 s
Hold on time at power failure (output)	10 ms
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	1 kV
Surge voltage at output side (against PE)	< 500 V
Ambient temperature ta	-25 ... +60 °C
Ambient temperature ta (at life-time 50,000 h) ^①	-25 ... +45 °C
Storage temperature ts	-40 ... +85 °C
Dimensions L x W x H	280 x 64 x 31 mm
Hole spacing D	253 mm

Approval marks



Standards

EN 55015, EN 60598-1, EN 60598-2-22, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 61547, EN 62384, EN 62493

Specific technical data

Type	Max. casing temperature t _{lc}	Output voltage	Max. input power	Output current range	Max. output voltage ^②
LCU 180W 24V TOP SR	90 °C	24 V	211 W	0.75 – 7.5 A	25.2 V

① For input voltage from 120 to 277 V AC (50 / 60 Hz) with 100 % load. For input voltage from 100 to 120 V AC (50 / 60 Hz) with 80 % load.

② At failure mode (230 V, 50 Hz).