

### Driver LCU 60W 12/24V IP20 EXC

EXCITE indoor IP20 series

The TALEXdriver LCU in constant voltage and with IP20 protection rating is particularly characterized by its compact design and outstanding reliability. In combination with a wide voltage input from 90 – 305 V AC and a temperature range of -25 to +60 °C, the TALEXdriver LCU is the perfect LED Driver for constant voltage applications across the globe.



#### 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 ta 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/28000412>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

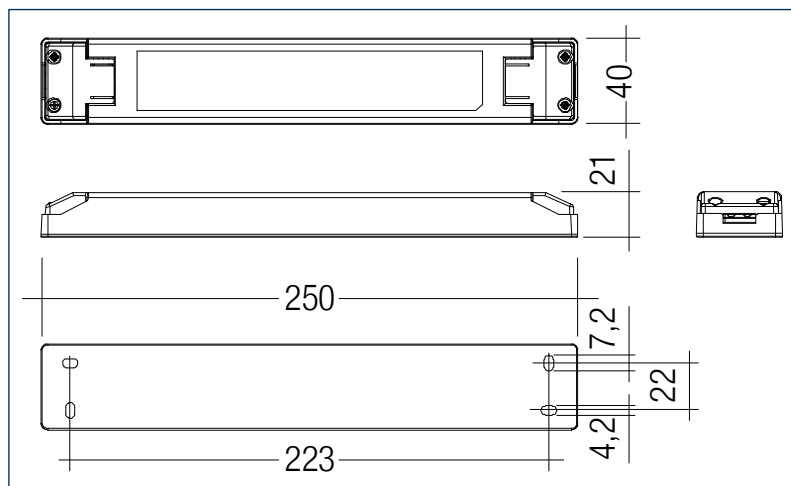


High bay

## Driver LCU 60W 12/24V IP20 EXC

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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.
LCU 60W 24V TOP SR	28000412	20 pc(s).	1,500 pc(s).	0.28 kg

### Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
DC voltage range	176 – 288 V
Rated current (at 230 V, 50 Hz, full load)	0.32 A
Mains frequency	0 / 50 / 60 Hz
Efficiency (at 230 V, 50 Hz, full load)	> 85 %
$\lambda$ (at 230 V, 50 Hz, full load)	0.95
Output voltage tolerance 12 V	-0 / +10 %
Output voltage tolerance 24 V	-0 / +5 %
Output power ( $t_a \leq 50^\circ\text{C}$ )	60 W
Output power ( $t_a > 50^\circ\text{C}$ )	42 W
Output power range	4.8 – 60 W
Turn on time (output)	$\leq 0.5$ s
Turn off time (output)	$\leq 1$ 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 $t_a$	-25 ... +60 °C
Ambient temperature $t_a$ (at life-time 50,000 h) <sup>①</sup>	-25 ... +45 °C
Storage temperature $t_s$	-40 ... +85 °C
Dimensions L x W x H	250 x 40 x 21 mm
Hole spacing D	223 mm

### Approval marks

IP20 SELV Class 2                            

Specific technical data

Type	Max. casing temperature T <sub>jc</sub>	Output voltage	Max. input power	Output current range	Max. output voltage <sup>②</sup>
LCU 60W 24V TOP SR	85 °C	24 V	74 W	0.2 – 2.5 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).