

Driver LCO 100W 500/700/1050/1400mA fixC L SNC2

essence outdoor series

**Product description**

- _ Independent fixed output LED Driver
- _ Constant current LED Driver
- _ Output current 500, 700, 1,050 or 1,400 mA
- _ Up to 92 % efficiency
- _ Expanded ambient temperature range of -40 ... +65 °C
- _ Max. casing temperature t_c of 90 °C
- _ Nominal life-time up to 100,000 h
- _ 5-year guarantee

Housing properties

- _ Casing: metal, black
- _ Type of protection IP67

Interfaces

- _ Connection: cable 300 mm

Functions

- _ Protective features (overtemperature, short-circuit, overload, no-load)

Benefits

- _ Wide voltage input 100 – 240 V
- _ Best energy savings due to low stand-by losses and high efficiency
- _ Suitable for mains voltage peaks (burst/surge) up to 6 kV
- _ Double or reinforced insulation
- _ High number of drivers on 16 A (B) automatic circuit breakers
- _ Extended vibration damping
- _ The LED Driver is designed for a life-time stated above under reference conditions and with a failure probability of less than 10 %
- _ The wide product range offers common currents for a cost effective luminaire manufacturing

Typical applications

- _ For parking lot, high bay and street applications
- _ For linear/area lighting in industry applications

Website

<http://www.tridonic.com/28002302>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

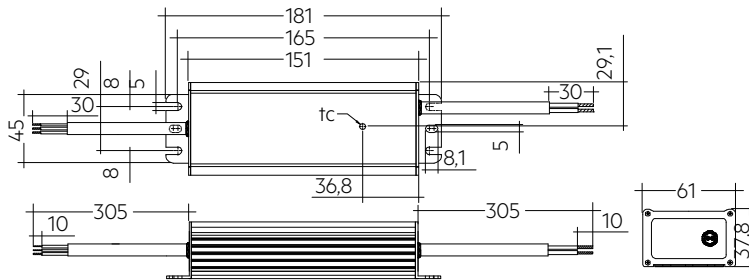


High bay

Driver LCO 100W 500/700/1050/1400mA fixC L SNC2

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



Ordering data

Type	Article number ^②	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 100/700/143 fixC L SNC2	28002302	10 pc(s).	420 pc(s).	0.61 kg

Technical data

Rated supply voltage	120 – 240 V
AC voltage range	100 – 240 V
Mains frequency	50 / 60 Hz
Leakage current (at 230 V, 50 Hz, full load)	< 500 μ A
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ^①	\pm 5 %
Starting time (at 230 V, 50 Hz, full load)	\leq 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	\leq 0.5 s
Ambient temperature t_a	-40 ... +65 °C
Storage temperature t_s	-40 ... +85 °C
Mains burst capability (between L - N)	4 kV
Mains surge capability (between L - N)	4 kV
Mains surge capability (between L/N - PE)	6 kV
Surge voltage at output side (against PE)	2 kV
Life-time	up to 100,000 h
Dimensions L x W x H	181 x 61 x 37.8 mm

Approval marks



Standards

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

Specific technical data

Type	Output ^① current	Input current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	λ at full load ^③	Efficiency at full load ^③	λ at min. load ^③	Efficiency at min. load ^③	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current	Typical output LF current ripple at full load ^④	Max. casing temperature t_c
LCO 100/700/143 fixC L SNC2	700 mA	480 mA	108.9 W	108.9 W	30 – 100 W	0.96	91.5 %	0.86C	80.5 %	43 V	143 V	153 V	819 mA	< 5 %	90 °C

① Output current is mean value.

② The delivery time is 13 weeks, except 28002303.

③ Test result at 230 V, 50 Hz.

④ Typical value at full load, depend on load's V-I character.