

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
- _ Ambient temperature range of -40 ... +60 °C
- _ Max. casing temperature t_c of 90 °C
- _ Nominal lifetime up to 100,000 h
- _ 5 years 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 lifetime 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/28002303>


Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

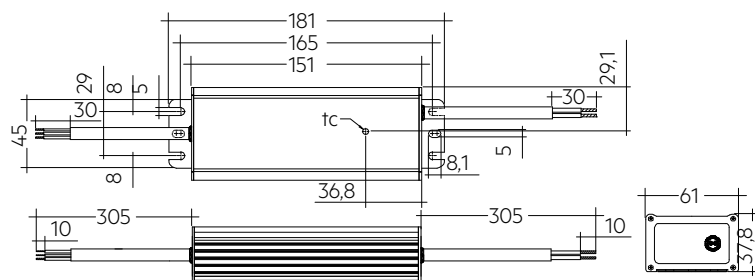


High bay

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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 100/1050/95 fixC L SNC2	28002303	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 µA
THD (at 230 V, 50 Hz, full load)	< 10 %
Output current tolerance ^①	± 5 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Ambient temperature <i>t</i> _a	-40 ... +60 °C
Storage temperature <i>t</i> _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
Lifetime	up to 100,000 h
Guarantee	5 Year(s)
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 current ^①	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 L _F current ripple at full load ^④	Max. casing temperature <i>t</i> _c
LCO 100/1050/95 fixC L SNC2	1,050 mA	490 mA	109.7 W	109.7 W	30 – 100 W	0.98	91.5 %	0.89C	78.5 %	29 V	95 V	101 V	1,481 mA	< 15 %	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.