

**Driver LCO 200W 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 94 % 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/28002310>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

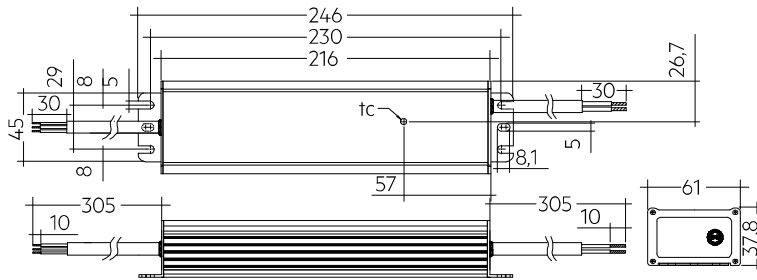


High bay

## Driver LCO 200W 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 <sup>②</sup>	Packaging, carton	Packaging, pallet	Weight per pc.
LCO 200/700/285 fixC L SNC2	28002310	10 pc(s).	480 pc(s).	0.92 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 <sup>①</sup>	± 5 %
Output P_ST_LM (at full load)	≤ 1
Output SVM (at full load)	≤ 0.4
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 ta	-40 ... +60 °C
Storage temperature ts	-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)	1 kV
Lifetime	up to 100,000 h
Guarantee	5 Year(s)
Dimensions L x W x H	246 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 <sup>①</sup>	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	$\lambda$ at full load <sup>②</sup>	Efficiency at full load <sup>②</sup>	$\lambda$ at min. load <sup>②</sup>	Efficiency at min. load <sup>②</sup>	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current	Typical output LF current ripple at full load <sup>②</sup>	Max. casing temperature tc
LCO 200/700/285 fixC L SNC2	700 mA	930 mA	212.8 W	212.8 W	60 – 200 W	0.98	94.0 %	0.90C	85.0 %	95 V	285 V	295 V	819 mA	< 3 %	90 °C

① Output current is mean value.

② The delivery time is 13 weeks, except 28002310.

- ③ Test result at 230 V, 50 Hz.
- ④ Typical value at full load, depend on load's V-I character.