

Driver LCO 200W 200–1400mA flexC 0-10V NF L SNC3

essence NFC outdoor series

**Product description**

- _ Constant current LED driver
- _ Tested acc. to salt spray test (ISO 9227)
- _ Dimmable via 0 ... 10 V interface (incl. stand-by)
- _ Dimming range 1 to 100 %
- _ Adjustable output current between 200 and 1,400 mA with NFC
- _ Max. output power 200 W
- _ Up to 90.5 % efficiency
- _ Nominal lifetime up to 50,000 h
- _ 5 years guarantee

Housing properties

- _ Casing: metal, black
- _ Type of protection IP67 and IP66

Functions

- _ Adjustable output current in 1-mA-steps (NFC)
- _ AUX output
- _ Fade-off time programmable
- _ Configurable external temperature management (ETM)
- _ Protective features (overtemperature, short-circuit, overload, no-load)

Benefits

- _ Operating window for maximum compatibility
- _ Added energy savings with dimming via 0 ... 10 V interface
- _ Configurable via NFC
- _ Tailor your dimming response with either Linear, Logarithmic or Square Dimming Curves

Typical applications

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

Website

<http://www.tridonic.com/28003558>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

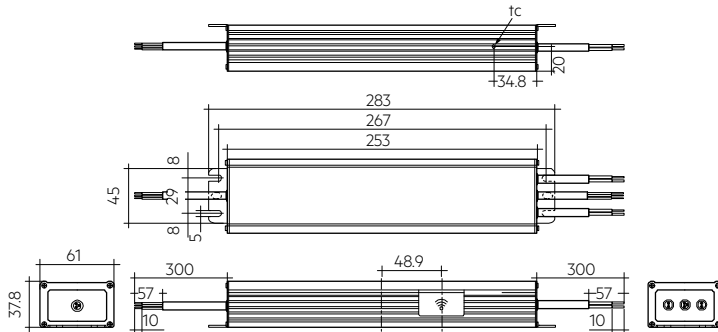


High bay

Driver LCO 200W 200–1400mA flexC 0-10V NF L SNC3

essence NFC outdoor series

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.
LCO 200/200-1400 flexC 0-10V NF L SNC3	28003558	5 pc(s).	315 pc(s).	1.3 kg

Technical data

Rated supply voltage	100 – 277 V
AC voltage range	90 – 305 V
Mains frequency	50 / 60 Hz
Typ. rated current (at 230 V, 50 Hz, full load) ^{①②}	1,150 mA
Leakage current (at 230 V, 50 Hz, full load) ^{①②}	< 750 μ A
Max. input power	242 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^②	90.5 %
λ (at 230 V, 50 Hz, full load) ^①	0.95
Typ. power consumption on stand-by ^③	< 0.39 W
Typ. input current in no-load operation	64 mA
Typ. input power in no-load operation	3.2 W
In-rush current (peak / duration)	177 A / 140 μ s
THD (at 230 V, 50 Hz, full load) ^①	< 10 %
Starting time (at 230 V, 50 Hz, full load) ^①	\leq 500 ms
Turn off time (at 230 V, 50 Hz, full load)	< 30 ms
Hold time (power failure, full load)	< 20 ms
Output current tolerance ^{①④}	\pm 5 %
Max. output current peak (non-repetitive)	\leq output current + 10 %
Output LF current ripple (< 120 Hz)	\pm 5 %
Output P_ST_LM (at full load)	\leq 1
Output SVM (at full load)	\leq 0.4
Max. output voltage (U-OUT)	500 V
Dimming range	1 – 100 %
Mains surge capability (between L - N)	6 kV
Mains surge capability (between L/N - PE)	10 kV
Surge voltage at output side (against PE)	2 kV
Lifetime	up to 50,000 h
Guarantee	5 Year(s)
Dimensions L x W x H	283 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, EN 60598-1, FCC PART 15

Specific technical data

Type	Article number	Output current ^③	Min. output voltage	Max. output voltage	Max. output power	Typ. power consumption (at 230 V, 50 Hz, full load)	Typ. current consumption (at 230 V, 50 Hz, full load)	tc point max.	Ambient temperature ta
LCO 200/200-1400 flexC 0-10V NF L SNC3	28003558	200 mA	72 V	400.0 V	80.0 W	92.8 W	414 mA	90 °C	-40 ... +60 °C
LCO 200/200-1400 flexC 0-10V NF L SNC3	28003558	500 mA	72 V	400.0 V	200.0 W	216.8 W	944 mA	90 °C	-40 ... +60 °C
LCO 200/200-1400 flexC 0-10V NF L SNC3	28003558	800 mA	72 V	250.0 V	200.0 W	215.5 W	938 mA	90 °C	-40 ... +60 °C
LCO 200/200-1400 flexC 0-10V NF L SNC3	28003558	1,100 mA	72 V	181.8 V	200.0 W	215.4 W	938 mA	90 °C	-40 ... +60 °C
LCO 200/200-1400 flexC 0-10V NF L SNC3	28003558	1,400 mA	72 V	142.8 V	199.9 W	218.4 W	951 mA	90 °C	-40 ... +60 °C

① Valid at 100 % dimming level.

② Depending on the selected output current.

③ No-load on AUX power supply.

④ Output current is mean value.

⑤ The table only lists a number of possible operating points but does not cover each single point. The output current can be set within the total value range in 1-mA-steps.