

Driver LC 80W 1050/1400/1750mA fixC Ip SNC

essence series non-SELV

**Product description**

- _ Fixed output built-in LED Driver
- _ Constant current LED Driver
- _ Output current 1,050, 1,400 or 1,750 mA
- _ Max. output power 80 W
- _ For luminaires of protection class I and protection class II
- _ Temperature protection as per EN 61347-2-13 C5e
- _ Nominal life-time up to 50,000 h
- _ 5-year guarantee

Properties

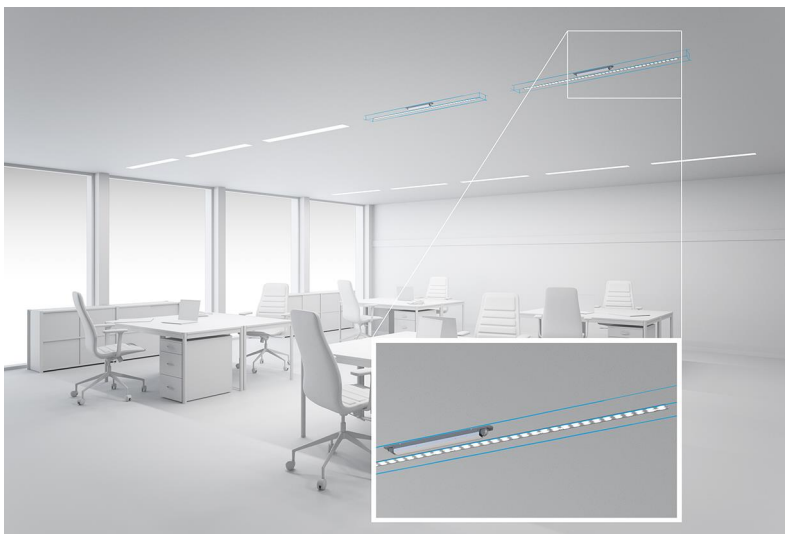
- _ Casing: metal, white
- _ Type of protection IP20

Functions

- _ Overload protection
- _ Short-circuit protection
- _ No-load protection
- _ Burst protection voltage 1 kV
- _ Surge protection voltage 1 kV (L to N)
- _ Surge protection voltage 2 kV (L/N to earth)

Website

<http://www.tridonic.com/87500473>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

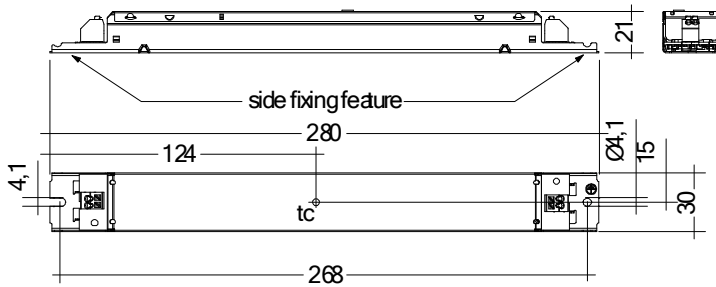


High bay

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



Ordering data

Type	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume	Weight per pc.
LC 80W 1750mA Ip SNC	87500473	50 pc(s).	900 pc(s).	2,700 pc(s).	0.203 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Input current (at 230 V, 50 Hz, full load)	0.39 A
Mains frequency	50 / 60 Hz
Oversvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 0.7 mA
Max. input power	88 W
Output power range	48 – 80 W
THD (at 230 V, 50 Hz, full load)	< 20 %
Output current tolerance	± 7.5 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 30 %
Starting time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.2 s
Hold on time at power failure (output)	0 s
Ambient temperature t_a	-20 ... +50 °C
Ambient temperature t_a (at life-time 50,000 h)	40 °C
Storage temperature t_s	-40 ... +80 °C
Life-time	up to 50,000 h
Dimensions L x W x H	280 x 30 x 21 mm
Hole spacing D	268 mm

Approval marks



Standards

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

Specific technical data

Type	Output current	Typ. power consumption P_n (at 230 V, 50 Hz, full load)	λ at full load	Efficiency at full load η_{full}	λ at min. load	Efficiency at min. load η_{min}	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current at full load I_{peak}	Max. peak output current at min. load $I_{peak, min}$	Max. casing temperature t_c
LC 80W 1750mA Ip SNC	1,750 mA	87.0 W	0.95C	90 %	0.9C	88 %	27 V	46 V	300 V	2,446 mA	2,650 mA	85 °C

- ① Test result at 230 V, 50 Hz.
- ② The trend between min. and full load is linear.