

Driver LC 81W 1200-1750mA flexC Ip ADV

advanced series SELV

**Product description**

- _ LED Constant current LED Driver for luminaire installation
- _ New version DC operating with EL marking
- _ Output current adjustable between 1,200 – 1,750 mA
- _ Max. output power 80.5 W
- _ Up to 87 % efficiency
- _ Nominal life-time up to 100,000 h
- _ For luminaires of protection class I and protection class II
- _ Temperature protection as per EN 61347-2-13 C5e
- _ 5-year guarantee

Housing properties

- _ Low profile metal casing with white cover
- _ Type of protection IP20

Interfaces

- _ Terminal blocks: 45° push terminals

Functions

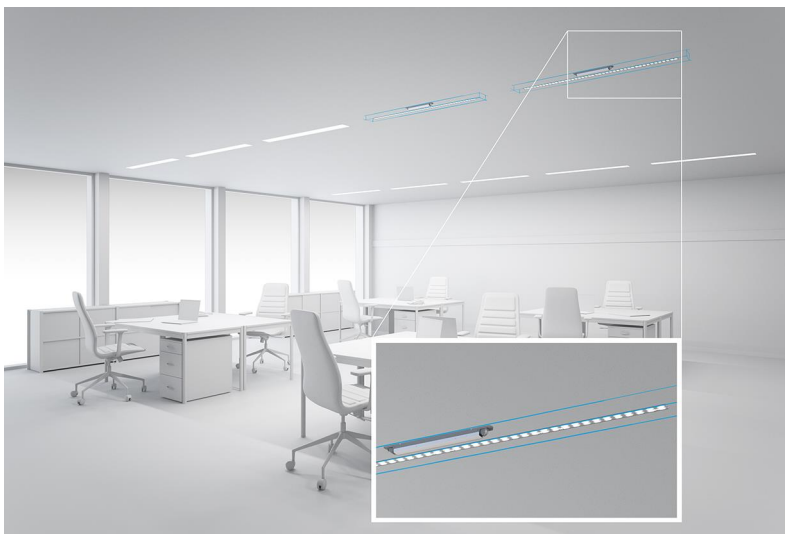
- _ Overload protection
- _ Short-circuit protection
- _ No-load protection
- _ Overtemperature protection
- _ Burst protection voltage 1 kV
- _ Surge protection voltage 1 kV (L to N)
- _ Surge protection voltage 2 kV (L/N to earth)
- _ Suitable for emergency escape lighting systems acc. to IEC 50172

Typical applications

- _ For linear/area lighting in office applications

Website

<http://www.tridonic.com/28002475>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

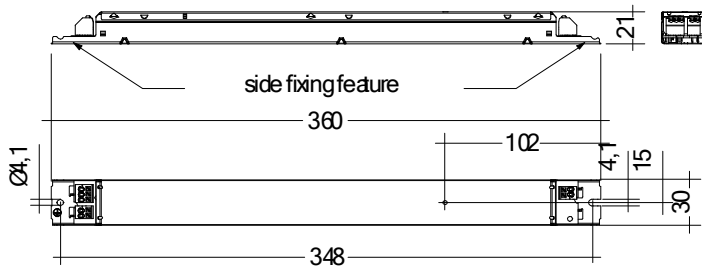


High bay

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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, pallet	Weight per pc.
LC 81W 1200-1750mA flexC Ip ADV	28002475	50 pc(s).	650 pc(s).	0.242 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
DC voltage range	176 – 280 V
Max. input current (at 230 V, 50 Hz, full load)	0.46 A
Typ. input current (at 230 V, 0 Hz, full load)	0.395 A
Leakage current (at 230 V, 50 Hz, full load)	< 400 µA
Mains frequency	0 / 50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Max. input power	95 W
Typ. power consumption (at 230 V, 50 Hz, full load) ^①	91.5 W
Min. output power	24 W
Max. output power	80.5 W
Typ. efficiency (at 230 V, 50 Hz, full load) ^①	87 %
λ (at 230 V, 50 Hz, full load) ^①	0.95C
Output current tolerance ^{②③}	± 7.5 %
Max. output current peak ^④	≤ output current + 20 %
Max. output voltage (U-OUT)	60 V
THD (at 230 V, 50 Hz, full load)	< 8 %
Typ. current ripple (at 230 V, 50 Hz, full load)	± 5 %
Starting time (at 230 V, 50 Hz, full load)	< 500 ms
Starting time (DC mode)	< 500 ms
Switchover time (AC/DC) ^⑤	< 500 ms
Turn off time (at 230 V, 50 Hz, full load)	≤ 0.5 s
Hold on time at power failure (output)	0 s
Ambient temperature <i>t</i> _a (at life-time 100,000 h)	40 °C
Storage temperature <i>t</i> _s	-40 ... +80 °C
Dimensions L x W x H	360 x 30 x 21 mm
Hole spacing D	348 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, Acc. to EN 50172, Acc. to EN 60598-2-22

Specific technical data

Type	Output current ^②	Min. forward voltage	Max. forward 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	Iout select	Resistor ^⑥
LC 81W 1200-1750mA flexC Ip ADV	1,200 mA	20 V	54 V	64.8 W	74.0 W	330 mA	80 °C	-20 ... +50 °C	0-1	ADV Type A
LC 81W 1200-1750mA flexC Ip ADV	1,300 mA	20 V	54 V	70.2 W	80.0 W	360 mA	85 °C	-20 ... +50 °C	0-1	ADV Type D
LC 81W 1200-1750mA flexC Ip ADV	1,400 mA	20 V	54 V	75.6 W	85.0 W	380 mA	90 °C	-20 ... +50 °C	-	-
LC 81W 1200-1750mA flexC Ip ADV	1,550 mA	20 V	51 V	79.1 W	90.0 W	400 mA	90 °C	-20 ... +50 °C	0-2	ADV Type D
LC 81W 1200-1750mA flexC Ip ADV	1,750 mA	20 V	46 V	80.5 W	91.5 W	410 mA	90 °C	-20 ... +50 °C	0-2	ADV Type A

① Test result at 1,750 mA.

② Output current is mean value.

③ Test result at default output current.

④ Test result at 25 °C.

⑤ Valid for immediate change of power supply type otherwise the starting time is valid.

⑥ Type A is a short circuit plug (0 Ω).