

Driver LC 8W 200mA fixC SC ADV2

advanced series

**Product description**

- _ Fixed output LED Driver
- _ Can be either used built-in or independent with clip-on strain-relief (see accessory)
- _ Independent LED Driver with cable clamps
- _ For luminaires of protection class I and protection class II
- _ Temperature protection as per EN 61347-2-13 C5e
- _ Constant current LED Driver
- _ Output current 200 mA
- _ Max. output power 8.4 W
- _ Nominal lifetime up to 50,000 h
- _ 5 years guarantee

Housing properties

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

Functions

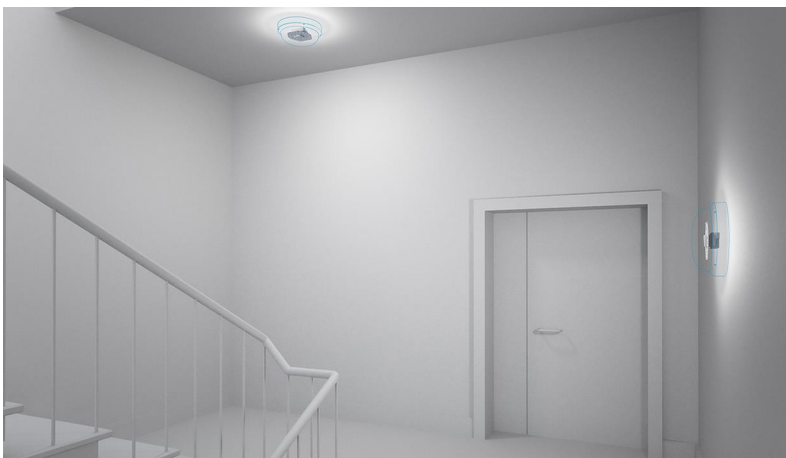
- _ Overload protection
- _ Short-circuit protection
- _ No-load protection

Typical applications

- _ For spot light and downlight in retail and hospitality applications
- _ For panel light and area light in office and education application

Website

<http://www.tridonic.com/87500940>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

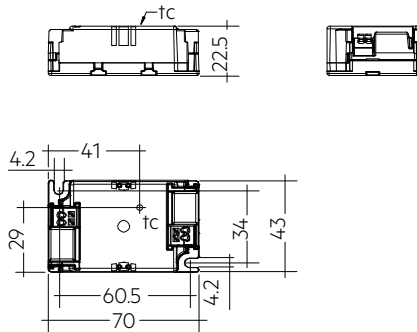


High bay

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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 8/200/42 fixC SC ADV2	87500940	50 pc(s).	1,300 pc(s).	7,800 pc(s).	0.046 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	< 15 %
Output current tolerance ^①	± 7.5 %
Typical output LF current ripple at full load ^②	± 3 %
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
Hold on time at power failure (output)	0 s
Ambient temperature t _a	-20 ... +50 °C
Ambient temperature t _a (at lifetime 50,000 h)	50 °C
Storage temperature t _s	-40 ... +80 °C
Mains burst capability	1 kV
Mains surge capability (between L - N)	1 kV
Mains surge capability (between L/N - PE)	2 kV
Surge voltage at output side (against PE)	3 kV
Lifetime	up to 50,000 h
Guarantee	5 Year(s)
Dimensions L x W x H	70 x 43 x 22.5 mm

Approval marks**Standards**

EN 55015, EN 60598-1, EN 61000-3-2, EN 61000-3-3, EN 61000-4-4, EN 61000-4-5, 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)	Output power range	λ at full load ^③	Efficiency at full load ^④	λ at min. load ^④	Efficiency at min. load ^④	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current at full load ^④	Max. peak output current at min. load ^④	Max. casing temperature t_c
LC 8/200/42 fixC SC ADV2	200 mA	45 mA	10.3 W	9.8 W	6 – 8.4 W	0.95	86 %	0.9C	82 %	30 V	42 V	60 V	221 mA	221 mA	65 °C

① Output current is mean value.

② Typical value at full load, depend on load's V-I character.

③ Test result at 230 V, 50 Hz.

④ The trend between min. and full load is linear and depend on load's V-I character.