TRIDONIC

Driver LC 10W 250mA fixC SR ADV2

advanced series



Product description

- _ Independent driver with strain-relief housing
- _ Extra flat housing for constrained installation conditions (small ceiling cut outs and low ceiling voids)
- $\underline{\ }$ For luminaires of protection class I and protection class II
- _ Temperature protection as per EN 61347-2-13 C5e
- _ Output current 250 mA
- _ Nominal lifetime up to 50,000 h
- _ 5 years guarantee

Housing properties

- _ Casing: polycarbonate, white
- _ Type of protection IP20
- _ Push-in terminals
- 2 separate strain relief parts for input and output cables with highly robust clamps

Functions

- _ Overload protection
- _ Short-circuit protection
- _ No-load protection
- _ No output current overshoot at mains on/off
- _ Burst protection voltage 1 kV
- _ Burst protection voltage 1 kV (L to N)
- _ Surge protection voltage 2 kV (L/N to earth)

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/87500946







Article information 04/21 Subject to change without notice.



Downlights















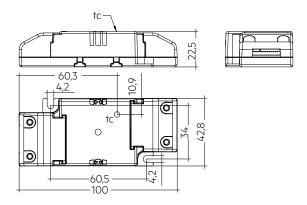




Driver LC 10W 250mA fixC SR ADV2

advanced series

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



Ordering data

Туре	Article number	Packaging, carton	Packaging, low volume	Packaging, high volume		
LC 10/250/42 fixC SR ADV2	87500946	39 pc(s).	819 pc(s).	5.733 pc(s).	0.06 ka	

Technical data	
Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
λ at full load ^①	0.95
λ at min. load ^①	0.9C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
THD (at 230 V, 50 Hz, full load)	≤ 15 %
Output current tolerance ^②	± 7.5 %
Typical output LF current ripple at full load ®	± 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	0 s
Ambient temperature ta	-20 +50 °C
Ambient temperature ta (at lifetime 50,000 h)	50 °C
Storage temperature ts	-40 +80 °C
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	100 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

Туре	Output current	Typ. rated current (at 230 V, 50 Hz, full load	Max. input power	Typ. power consumptio n (at 230 V, 50 Hz, full load)	Output power range	Efficiency at full load	Efficiency at min. load	Min. forward voltage	Max. forward voltage	Max. output voltage (U- OUT)	Max. peak output current	Max. casing temperature tc
LC 10/250/42 fixC SR ADV2	250 mA	60 mA	12.5 W	12.2 W	7.5 – 10.5 W	86 %	83 %	30 V	42 V	60 V	281 mA	70 °C

<sup>Test result at 230 V, 50 Hz.

Output current is mean value.

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

The trend between min. and full load is linear and depend on load's V-I character.</sup>