

Driver LC 21W 500mA 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)
- _ Output current 500 mA
- _ For luminaires of protection class II
- _ For luminaires with M and MM as per EN 60598, VDE 0710 and VDE 0711
- _ Nominal life-time up to 50,000 h
- _ Temperature protection as per EN 61347-2-13 C5e
- _ 5-year 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/87500863>



Spotlights



Downlights



Linear



Area



Floor | Wall



Free-standing



Street



Decorative

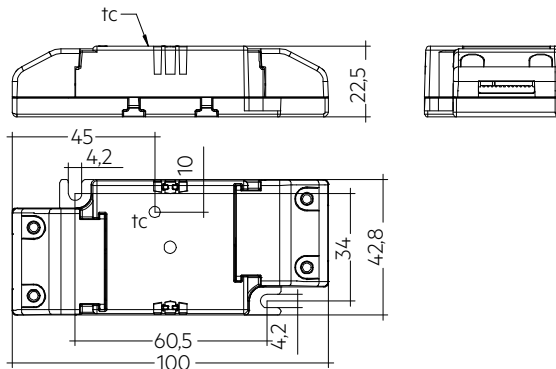


High bay

Driver LC 21W 500mA fixC SR ADV2

advanced series

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 21/500/42 fixC SR ADV2	87500863	19 pc(s).	703 pc(s).	5,624 pc(s).	0.058 kg

Technical data

Rated supply voltage	220 – 240 V
AC voltage range	198 – 264 V
λ at full load ^①	0.95C
λ at min. load ^①	0.9C
Mains frequency	50 / 60 Hz
Overvoltage protection	320 V AC, 1 h
Leakage current (at 230 V, 50 Hz, full load)	< 450 μ A
THD (at 230 V, 50 Hz, full load)	\leq 15 %
Output current tolerance ^②	\pm 7.5 %
Typical output LF current ripple at full load ^③	\pm 5 %
Starting time (at 230 V, 50 Hz, full load)	\leq 0.5 s
Turn off time (at 230 V, 50 Hz, full load)	\leq 0.5 s
Hold on time at power failure	0 s
Ambient temperature t_a	-25 ... +40 °C
Ambient temperature t_a (at life-time 50,000 h)	30 °C
Storage temperature t_s	-40 ... +80 °C
Life-time	up to 50,000 h
Dimensions L x W x H	100 x 43 x 22.5 mm

Approval marks
IP20 SELV **RoHS**
Standards

EN 55015, EN 60598-1, EN 61000-3-2, EN 61000-3-3, EN 61347-1, EN 61347-2-13, EN 61547, EN 62384

Specific technical data

Type	Output current ^②	Typ. rated current (at 230 V, 50 Hz, full load)	Max. input power	Typ. power consumption (at 230 V, 50 Hz, full load)	Output power range	Efficiency at full load ^③	Efficiency at min. load ^③	Min. forward voltage	Max. forward voltage	Max. output voltage (U-OUT)	Max. peak output current ^③	Max. casing temperature t_c
LC 21/500/42 fixC SR ADV2	500 mA	0.11 A	25 W	24 W	16.5 – 21 W	88 %	86 %	33 V	42 V	60 V	563 mA	80 °C

① Test result at 230 V, 50 Hz.

② Output current is mean value.

③ Typical value at full load, depend on load's V-I character.

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