

short form data

LED driver 12V_{DC}

Indoor 'SL' slim series 100W



Design conforms with EN61347-2-13: particular safety requirements for electronic control gear for LED modules.

Description

SL range of constant voltage power supply units for 12V LED modules.

A high-performance and fully featured, indoor use LED driver designed for illuminated signage and other lighting applications. Design conforms with EN61347-2-13: particular safety requirements for electronic control gear for LED modules



A slim profile: 321 x 30 x 19mm

- EN61347-2-13 (with a sign to IEC60-598...): particular safety requirements for electronic control gear for LED modules
- Recommended max power utilization: 85% / 85W / 7A
- Slim, low-profile ideal for use with MOL inside shallow light boxes
- Over-Current Protection
- Short-Circuit Protection
- Over-Voltage Protection
- Over-Temperature Protection
- Class II insulation: no earth connection is required
- Normal, dry indoor use plastic case with screw terminals and screw down terminal covers (IP20)
- 3 year warranty*



PC casing, screw terminals (input 2x0.75mm² output 2x1.0mm²) with screw-down covers

Images representative of range

Applications

Normal indoor use with: B-LED, FlexiLED (12V types), H-LED, M-LED, PinPoint, RGB-LED and SE-LED. Suitable for installing on or in furniture which is made from materials with unknown flammability properties.

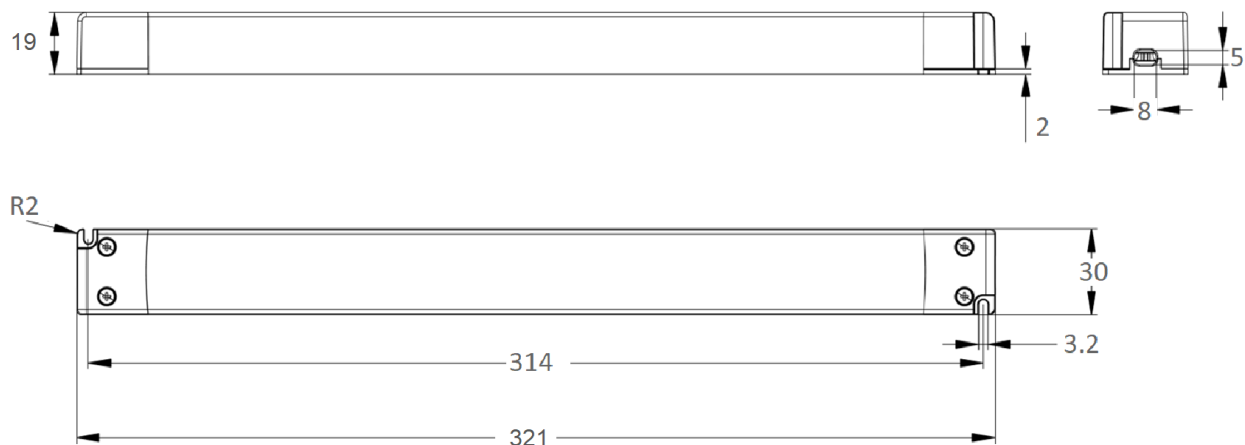
Compliance

Meets the requirements for safety: EN61347-1 and 2-13 (with sign to IEC60-598): particular safety requirements for electronic control gear for LED modules. Type tested and monitored production by TÜV

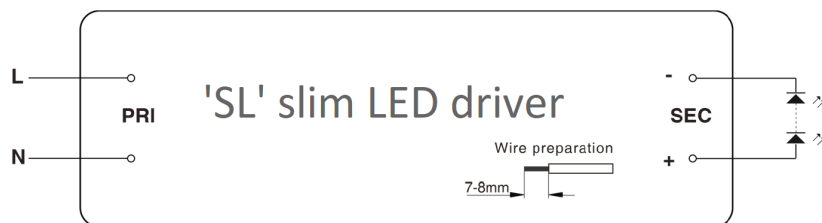
IP20



Dimensions



Connection



Do not connect with reverse polarity // Do not short circuit // Do not use with Super Orbis LED modules // Do not 'megger' test
Suitable for normal dry indoor conditions and use

Specifications

Electrical data typical @ t_a 25°C +/-2°C and within the rated voltage range¹

Product / (Part No.)	Output Voltage (V) (+/-5%)	Rated power (W) / current (A) output	Recommended max power (W) / current (A) output	Input current max (A) @ 230V	Typ. Eff. %	IP	MTBF /K hours	Dims (mm) / Wt (kg)
PSU100/12/IP20/SL	12	100 / 8.33	85 / 7	0.7	≥90	20	30	L321 x W30 x H19

- Electrical connections: screw terminal blocks
- Input voltage range: 200 to 264V a.c. 50-60Hz
- ¹Rated input voltage range: 180 to 264V @ t_a
- Max input power: 118 circuit Watts
- Max input current: 0.7A @ 230V
- Output voltage accuracy: +/- 5%
- Class: II
- SELV
- Suitable for cabinet, furniture mounting with unknown flammability properties
- Independent (mounting) driver
- Index of Protection: IP20
- Min ambient operating temperature: T_a -20°C
- Max ambient operating temperature: T_a : 45°C
- Max case temperature: T_c : 85°C (at t_c mark)
- Power factor: ≥ 0.9 @ full power
- Average no-load consumption: ≤0.5W
- Surge current (inrush) peak: <75A
- EMC (emission) to: IEC55015
- EMC (immunity) to: IEC61547
- Non-dimmable
- Warranty: *3 yrs when operated within the parameters of these specifications



Our Design Guide is for reference only and the ideal appearance should be checked with a lit trial | Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE |
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