

short form data

# LED drivers 24V<sub>DC</sub>

Indoor 'SL' slim series 150W



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 24V 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: 322 x 30 x 21.5mm

- EN61347-2-13 (with a sign to IEC60-598...): particular safety requirements for electronic control gear for LED modules
- Recommended max power utilization: 75% / 112.5W / 4.7A
- Slim, low-profile ideal for use with E-LED 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\*



Screw terminals and screw-down covers

## Applications

Normal indoor use with: E-LED, Z-LED, FlexiLED-TunableWhite, FlexiLED-0BA narrow, FlexiLED-BA Premium and FlexiLED-0BA Premium.



Typical installation for an 'SL' LED driver

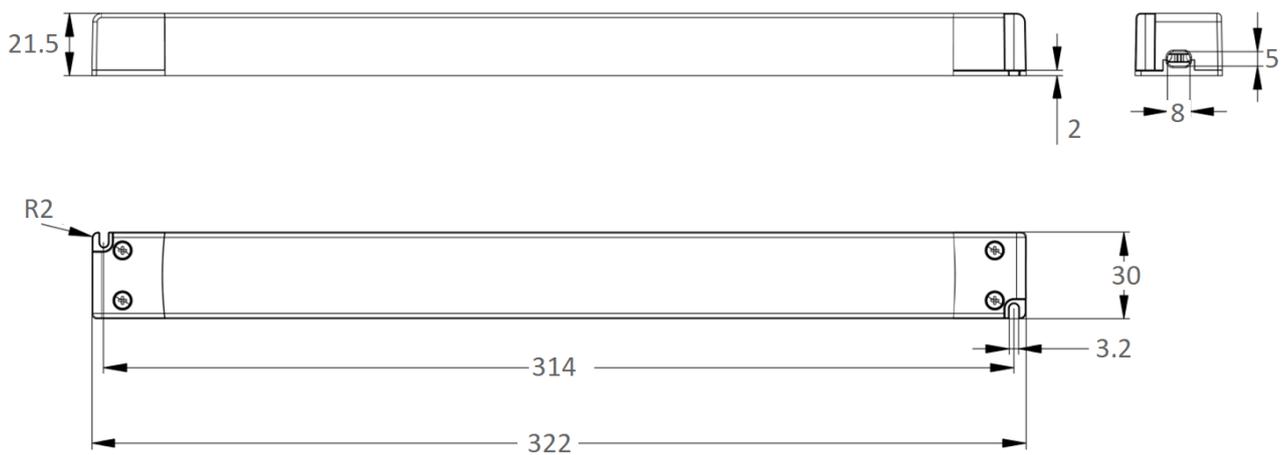
## Compliance

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

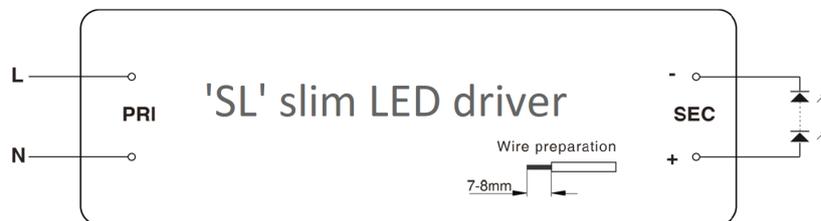
IP20



## 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 range<sup>1</sup>

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)
PSU150/24/IP22/SL	24	150 / 6.25	112.5 / 4.7	0.72	≥90	20	30	L322 x W30 x H21.5

- Electrical connections: screw terminal blocks
- Input voltage range: 200 to 264V a.c. 50-60Hz
- <sup>1</sup>Rated input voltage range: 200 to 240V @  $t_a$
- Max input power: 167 circuit Watts
- Max input current: 0.72A @ 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:  $T_c$ : 90°C
- Power factor: ≥ 0.9 @ full power
- Average no-load consumption: ≤0.2W
- Surge current (inrush) peak: <60A
- 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 | © Oshino Lamps (UK) Limited 9/2020

