

short form data

LED drivers

MW 1-10V dimming series



Design approved to EN61347-2-13: particular safety requirements for electronic control gear for LED modules

Description

MW range of 1-10V dimmable constant voltage power supply units for 12V LED modules.

High-performance and fully featured weatherproof LED drivers designed for illuminated signage and other lighting applications.

Design is approved to EN61347-2-13: particular safety requirements for electronic control gear for LED modules.

- EN61347-2-13: particular safety requirements for electronic control gear for LED modules
- Over-Current Protection
- Short-Circuit Protection
- Over-Voltage Protection
- Over-Temperature Protection
- SELV output
- Dust and weather resistant (IP67)
- 5 years limited warranty *

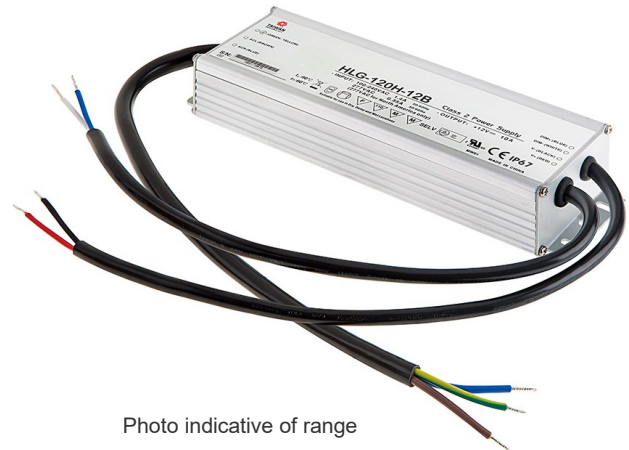


Photo indicative of range



An example of a suitable 1-10V 1 Gang 2 Way rotary dimmer switch (AU-DSPLED pictured)

Applications

For connection to the normal 230V a.c. 'Mains' supply, these drivers are suitable for 12V current limited LED modules including F-LED, H-LED, M-LED, FlexiLED, PinPoint and SE-LED. Dimming control is via a pair of wires (Blue+, White-) on the secondary side of the driver. Use a 1-10V dimmer switch to adjust brightness. Important: for reliable dimming function observe recommended max. and min. Wattage

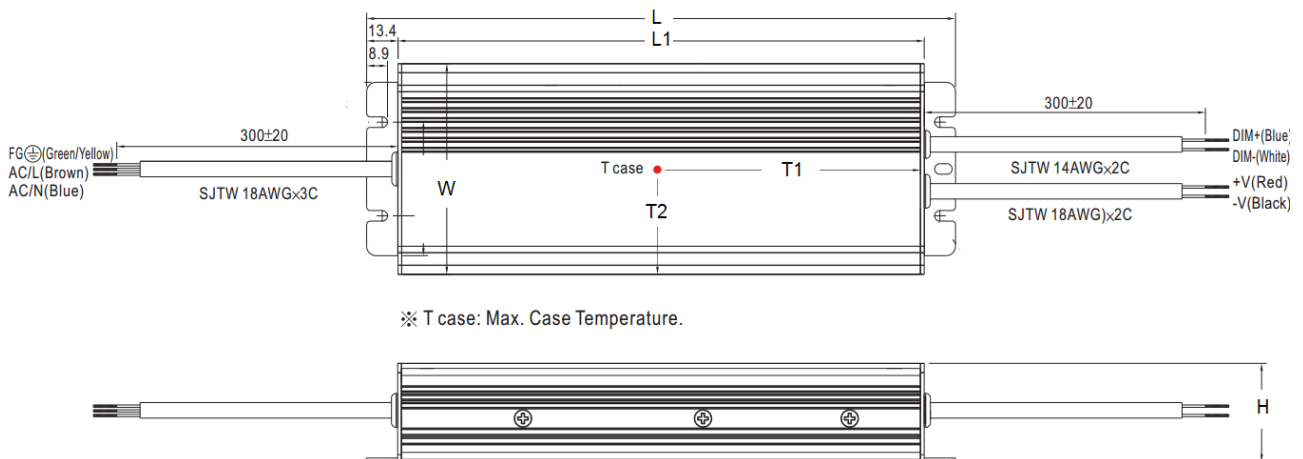
Note: turning the control to minimum reduces brightness to 10% and does not turn the driver off. Use a 'Mains' switch in the normal supply 'Live' for switching the device (and sign) on and off. This is incorporated into some dimmer switches including AU-DSPLED.

Compliance

Meets the requirements of EN61347-2-13: particular safety requirements for electronic control gear for LED modules

IP67 RoHS CE

Dimensions



Specifications

Electrical data typical @ t_a 25°C +/-2° | Ambient operating temp. range -20 to 50°C

Product / (Part No.)	Rated power (W) / current (A) output	Recommended max and min power (W) / current (A) output	Input current typ. (A) @ 230V	Eff. % typ.	IP	MTBF/ K hours	Dimensions (mm) / Weight (kg)
HLG-80H-B	60 / 5	Max. 51 / 4.2 Min. 30 / 2.5	0.43	≥88	67	357	L 195, L1 172 x W 62 x H 39 / 0.9
HLG-120-12-B	120 / 10	Max. 102 / 8.5 Min. 60 / 5	0.6	≥92		192	L 220, L1 196 W 68 x H39 / 1.12
HLG-150H-12-B	150 / 12.5	Max. 127 / 10.58 Min. 75 / 6.25	0.75	≥91		192	L 228, L1 204 x W 68 x H39 / 1.15
HLG-185H-12-B	156 / 13	Max. 132 / 11 Min. 79 / 6.58	0.8	≥91		192	L 228, L1 204 x W 68 x H 39 / 1.15
HLG-240H-12-B	192 / 16	Max. 163 / 13.58 Min. 96 / 8	1.04	≥90		207	L 244, L1 220 x W 68 x H 39 / 1.3
HLG-320H-12-B	264 / 22	Max. 224 / 18.7 Min. 132 / 11	1.65	≤91		157	L 252, L1 225 x W 90 x H 44 / 1.88

- Input voltage range: 90 to 305V a.c. 50-60Hz
- Output voltage: 12V d.c.
- Output voltage accuracy: +/- 3% (11.7-12.3V)
- Class: I (FG: protective earth wire connected)
- Reliable dimming to 10% (Obs min. & max. W)
- Operating temperature: -25 to 50°C
- T_a : 50°C / T_c : 70°C
- Inrush @ cold start <75A ($t = 445$ s measured at 50% I) at 230V AC
- Power factor: ≥ 0.95

* The case temperature (t_c measure at the middle of the upper cover) shall be ≤ 70°C and correct use within specified limits to qualify for the 5-year warranty



Dimensions in millimetres | Data subject to our Terms and Conditions and are liable to change without notice | E&OE
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