LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED Tech

LEDTech | 30W 12V Triac Dimmable LED Driver



Features & Benefits

- Ideal for powering 12V Dimmable LED Lighting products
- Recommended load 25W
- 158 x 54 x 20mm
- Highly efficient
- We recommend using a dimmer that is rated 1.5 x the driver value, so for this unit please make sure that the dimmer switch used is rated at a minimum of 45W

Quick Specs

12V	30W	IP20
Voltage	Wattage	IP Rating

Full Specification

Product code	101.109
Rated Output Voltage	12VDC
Rated Output Current	2.5A
Rated Output Power	30W
Output Voltage Tolerance	±0.5V
Output Voltage Regulation	±0.5%
Output Load Regulation	±1%
Input Voltage Range	110-277 VAC
Input Frequency Range	47-63Hz
Input Power Factor (Typ.) @ Full Load	0.99 @ 120VAC 0.98 @ 277VAC
Input THD (Typ.) @ Full Load	<20%
Input Efficiency (Typ.) @ Full Load	79% @ 120VAC 80% @ 277VAC
Input AC Current (Max.)	0.35A @ 100VAC
Input Inrush Current (Typ.)	7A, 50%, 420us @ 120VAC 12A, 50% 480us @ 277VAC
Input Leakage Current	<0.5mA
Protection Short Circuit	Shut Down o/p voltage, re-power to recover after fault condition is removed
Protection Over Loading	≤120% Hiccup Mode. Recovers automatically after fault condition is removed
Protection Over Temperature	100ºC±10ºC Shut Down o/p Voltage. Automatically recover after cooling
Working Temperature	-40~+60ºC
Working Humidity	20~90% RH, non-condensing
Storage Temperature Humidity	-40~+80ºC, 10~95% RH
Temperature Co-efficient	±0.03%/ºC (0~50ºC)
Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min each along X, Y, Z axis

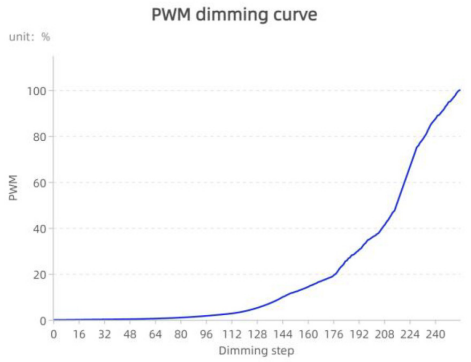
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Safety Standards	UK CA, CE
Net. Weight	1.6KG
Product Dimensions	158 x 54 x 20mm (L x W x H)

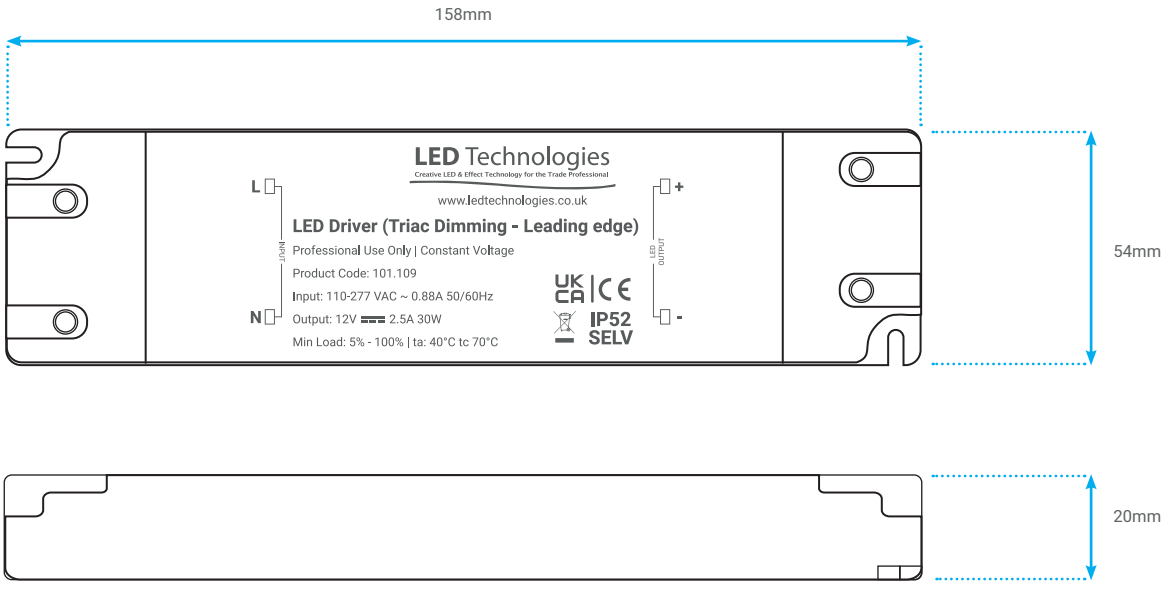
Notes:

1. All parameters if NOT specially mentioned are measured at 120V AC input, rated load and 25ºC of ambient temperature
2. To extend the drivers life, please reduce the loading at lower input voltage



Schematic Drawing

Units: mm



Technical Support

If you require any technical support of have an enquiry, please do not hesitate to contact one of our LED technical experts on the contact information provided.

Telephone: 01260 540014

Website: www.ledtechnologies.co.uk

The above data are typical values and may vary +/- 10%.
We reserve the right to change specifications without notice - E&OE.