LED Technologies
Creative LED & Effect Technology for the Trade Professional

LED Tech

LEDTech | 100W 12V LED Driver



Features & Benefits

- Recommended load 75w
- Suitable for outdoor use
- 165 x 68.5 x 40mm
- Highly efficient

Quick Specs

12V	100W	IP67
Voltage	Wattage	IP Rating

Full Specification

Product Code:	100.570
Rated Voltage	12VDC
Output Current Range	0 ~ 8.33A
Rated Power (Max)	100W
Ripple and Noise (Max)	120mVp-p
Voltage Tolerance	±3.0%
Line Regulation	±1%
Load Regulation	±1.0%
Set-up, Rise Time	1500ms 80ms/230VAC, 2000ms 80ms/110VAC
Hold-up Time	50ms/230VAC at full load, 25ms/110VAC at full load
Voltage Range	90~130VAC / 170~264VAC / 90~264VAC
Frequency Range	47~63Hz
Efficiency	86.0%
AC Current	1.23A ~ 0.45A
Inrush Current	Cold Start at 70A/230VAC, Input at Ta: 25ºC cold start.
Leakage Current	<0.5mA at 230VAC, 60Hz Input
Over-Voltage	110% ~ 130% (Shut down O/P voltage, re-power on to recover)
Over-load	130% ~ 150% (Shut down O/P voltage, re-power on to recover)
Short Circuit	Hiccup mode, recovers automatically after faulty problem is removed
Lightning Protection	Gas discharge tube automatically open to discharge, re-power on to recover
Over-temperature	85ºC±10ºC (Shut down O/P voltage, re-power on to recover)
Working Environment	-25ºC~+50ºC
Working Humidity	20~90% RH non-condensing

Continued overleaf

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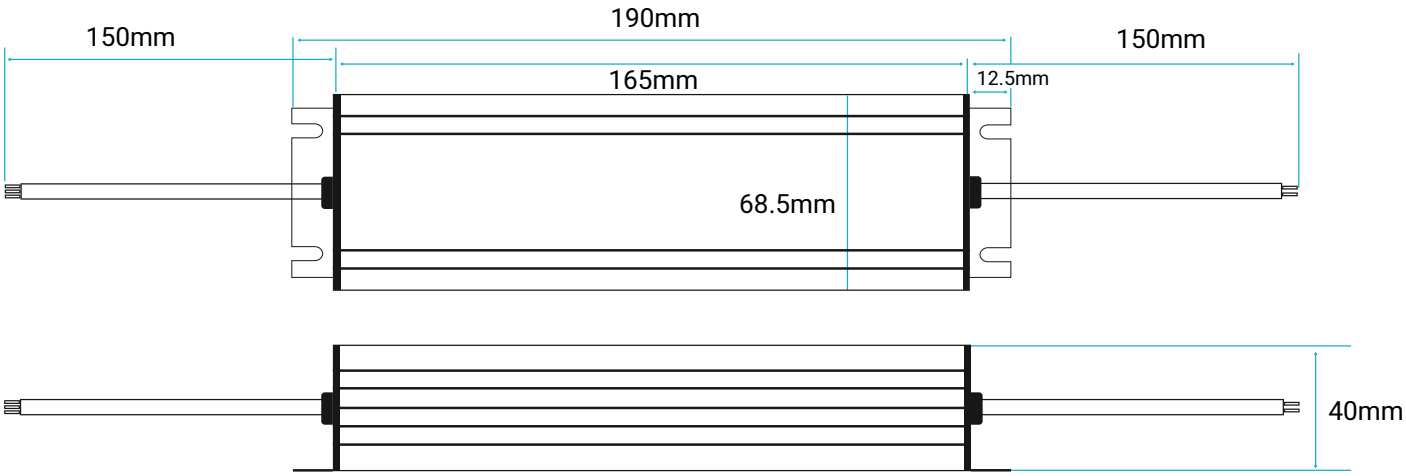
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Storage Environment & Humidity	-40ºC~+70ºC
TEMP. Coefficient	±0.05%ºC (0~50ºC)
Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. Each along X, Y, Z axes
Safety Standards	EN-61347-1, EN61347-2-13, IP67, ROHS Tests, Design refer to UL8750
Withstand Voltage	I/P-O/P: 3KVAC, IP-FG:1.5KVAC, OP-FG: 500VAC
Isolation Resistance	I/P-O/P IP-FG OP-FG: 100M Ohms/500VDC / 25ºC / 70% RH
EMC Emission	Compliance to EN55015, EN61547, EN61000-3-2, EN61000-3-3,
Life Span	≥50000Hrs (25ºC)
No Load power consumption	≤2.5W
MTBF	250K hrs min, MIL-HDBK-217F (25ºC)
Dimension	190*68.5*40 mm (L*W*H)
Weight	0.85Kg

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.