LED Technologies
Creative LED & Effect Technology for the Trade Professional

100w 12v Triac Dimmable Driver

Product Code: 101.107

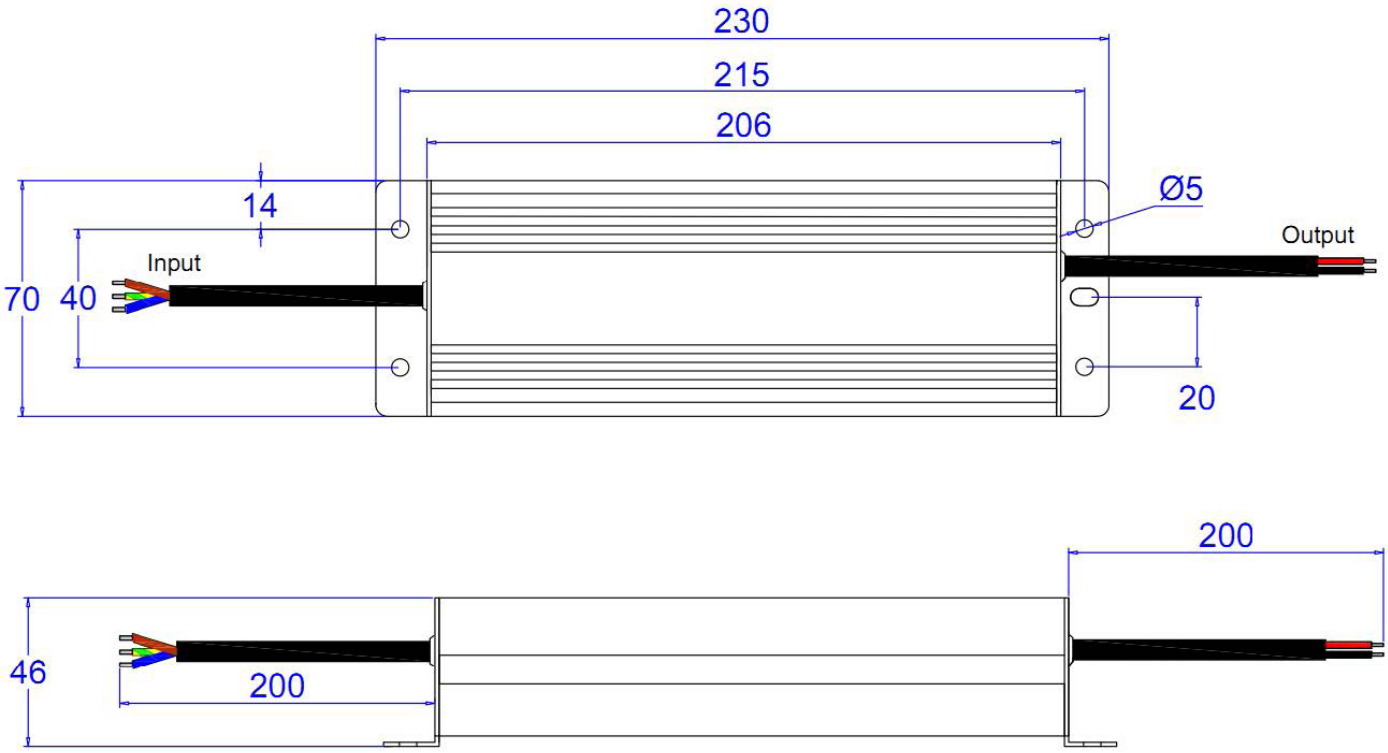


Features

- Dimmable
- 100W
- Input Voltage: 180-250VAC
- Output Voltage: 12V
- 70mm x 46mm x 230mm (W x H x L)
- IP66
- Air Cooling System
- Easy installation
- 2 years warranty

Output	DC Voltage	12V
	Voltage Tolerance	±0.5V
	Rated current	8.3A
	Rated power	100W
Input	Voltage Range	180-250VAC (or 90~130VAC)
	Frequency Range	47-63HZ
	Power Factor (Typ)	PF≥0.6/220VAC
	Efficiency (Typ)	86%
	AC Current (Typ)	0.47A
	Leakage current	<0.70mA/220VAC
Protection	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
	Over Loading	≥120%
	Over temperature	100°C±10°C (The output voltage will turn off when the temperature is higher then100°C±10°C, after the temperature drop off ,it will recovery)
Environment	Working TEMP.	-40 - +60°C
	Working Humidity	20~90%RH, non-condensing
	Storage TEM.,Humidity	-40 - +80°C~10 - 95%RH
	TEMP.coefficient	±0.03%/°C (0-50°C)
	Vibration	10-500Hz, 2G 10min./1 cycle,period for 60min. each along X,Y,Z axes
Safety & EMC	Safety standards	EN61347-1 EN61347-2-13
	Withstand voltage	I/P-O/P:3.75KVAC
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH
	EMC EMISSION	EN55015,EN61000-3-2,3 (≥50%loading)
	EMC IMMUNITY	EN61000-4-2,3,4,5,6,11(Surge 4KV)
Others	PWM Frequency	380-430HZ
	Net.Weight	1.3Kg
	Size	70mm x 46mm x 230mm (W x H x L)
	Packing	329 x 279 x 176 10PCS
Notes	1. All parameters if NOT specially mentioned are measured at 220VAC input , rated load and 25°Cof ambient temperature. 2. To extend the driver's using life ,please reduce the loading when start the drivers at lower input voltage. 3.Loading should be 5-100%	

Mechanical Specification



• Input Brown with AC (L),Blue with AC(N)

• Output Red is (DIM+) ,Black is (DIM-)

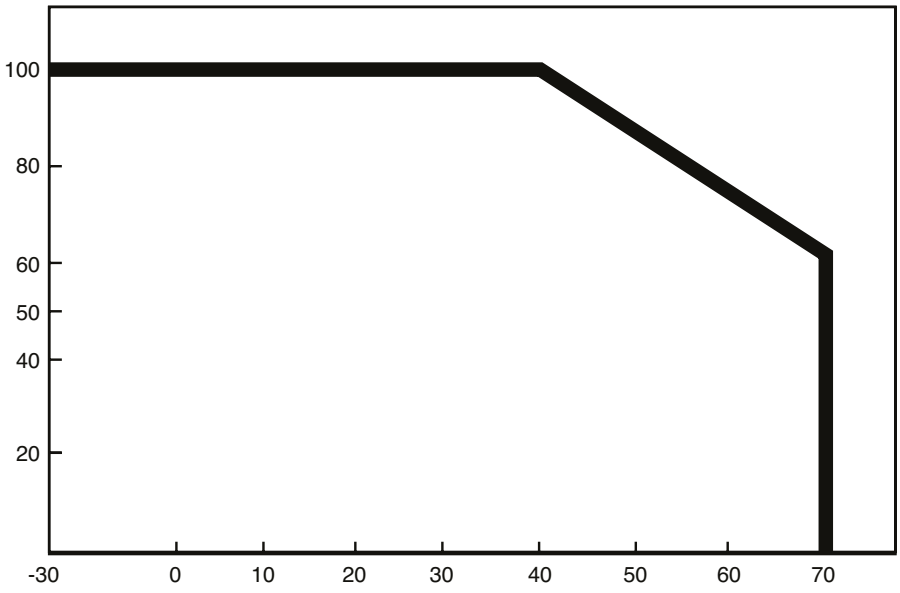
• Note: Any other requests we can customized.

Dimming Operation

• Output constant current level can be adjusted through input terminal of the AC phase line(L) by connecting to a triac dimmer.

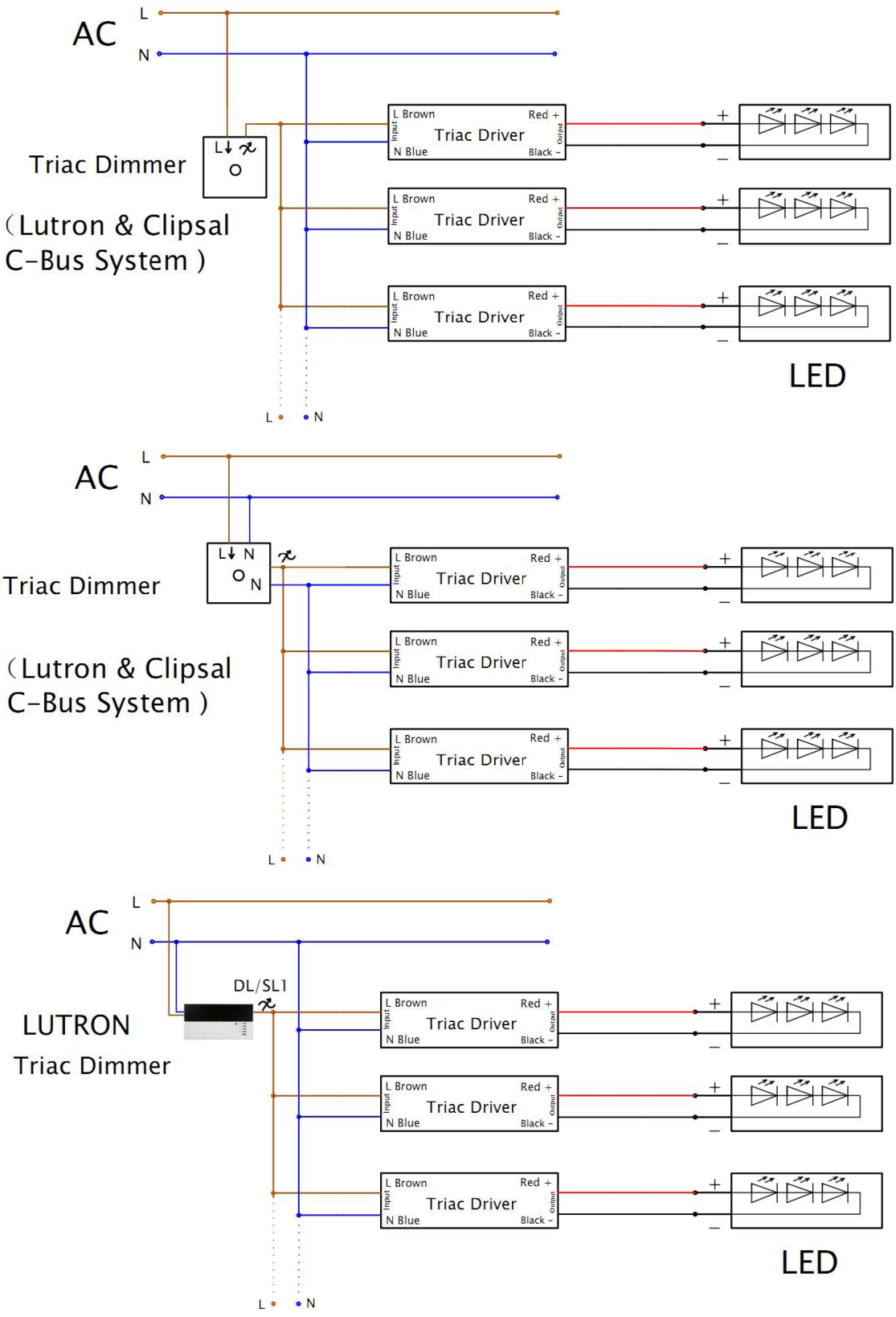
• Compatible with leading edge or tailing edge triac dimmers.

Derating Curve



To extend the operational life span, please refer to the Derating Curve and derate according to the temperature.

Connecting Diagram



If you require Technical support or for general enquiries, Please do not hesitate to contact one of our LED Technical experts on the contact information provided.

Telephone: 01260 540014
Opening times: Mon-Thur: 8:30am - 5:30pm / Fri: 8:30am - 5:00pm
www.ledtechnologies.co.uk

We reserve the right to change specifications without notice. E&OE

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