

■ Features

- Output constant voltage
- Universal AC input: 100-130VAC
- High efficiency :up to 84%
- Protection:short circuit/over loading/over current/ Over temperature
- Full protection aluminum housing
- Easy installation
- Cooling by free air convection
- Compatible with Forward phase,Magnetic low voltage,Triac Dimmer
- Strong compatibility, flicker-free dimming
- Suitable for LED lighting and moving sign applications and others
- Provide with a junction box for connection to line voltage
- suitable for dry and damp location use, IP66



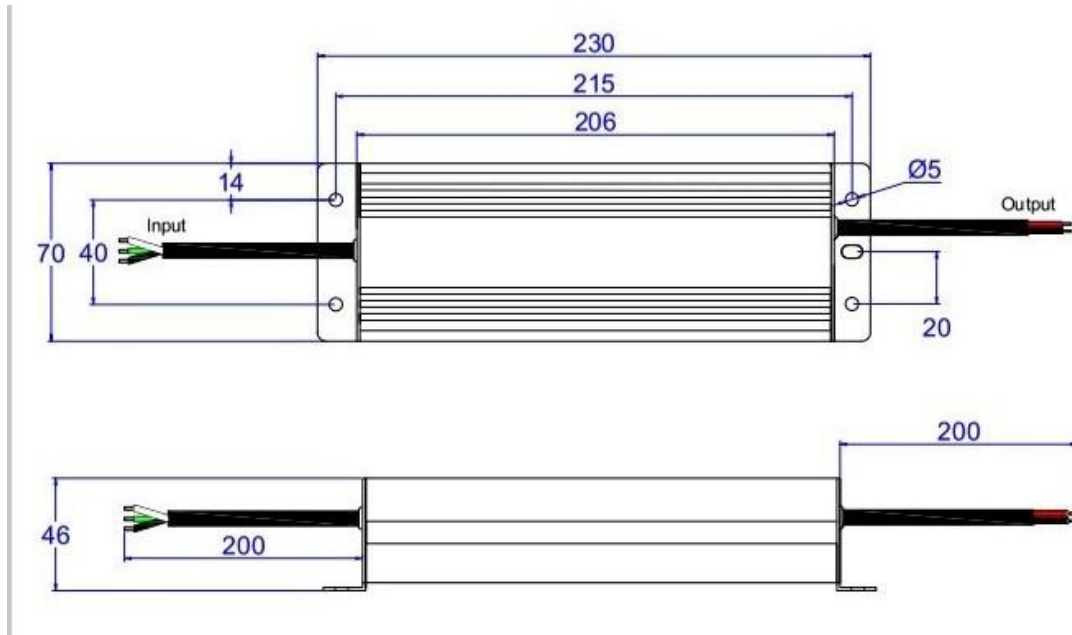
■ Specification

Model		8280-12V-JB	
Certificates		ETL,cETL,FCC	
Output	DC Voltage	12V	
	Voltage Tolerance	±0.5V	
	Rated current	6.67A	
	Rated power	80W	
Input	Voltage Range	100~130VAC	
	Frequency Range	50~60HZ	
	Power Factor	0.65(Full loading)	
	Efficiency (Typ.)	83%	83%
	AC Current (Max.)	1.70A	2.0A
	Leakage current	< 0.50mA/120VAC	
Protection	Short Circuit	Hiccup mode, recover automatically after fault condition is removed	
	Over Current	≤1.2*I out	
	Over Loading	≤120%	
	Over temperature	100℃±10℃, Shut down o/p voltage, recover automatically after temperature goes down.	
Environment	Working TEMP.	-40~+60℃	
	Working Humidity	20~95%RH, non-condensing	
	Storage TEMP. Humidity	-40~+80℃, 10~95%RH	
	TEMP .coefficient	±0.03%/℃ (0~50℃)	
	Vibration	10~500Hz, 5G 12min./1 cycle, period for 72min. each along X,Y,Z axes	
Safety& EMC	Safety standards	UL8750+UL1310 Class 2 unit	
	Withstand voltage	I/P-O/P:1500VAC	
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25℃/70%RH	
	EMC EMISSION	FCC Part 15 B	
Others	Net. Weight	1.2Kg	With junction 1.84Kg
	Size	230*70*46mm (L*W*H)	380*77*57mm (L*W*H)
	packing	324*279*176mm 10PCS/CTN	415*360*190mm 10PCS/CTN

Notes

1. All parameters if NOT specially mentioned are measured at 120VAC input , rated load and 25°C of ambient temperature.
2. To extend the driver's using life ,please reduce the loading at lower input voltage.
- 3.Loading should be 5-100%.

■ Mechanical Specification for 80W Phase/Triac Dimmable driver



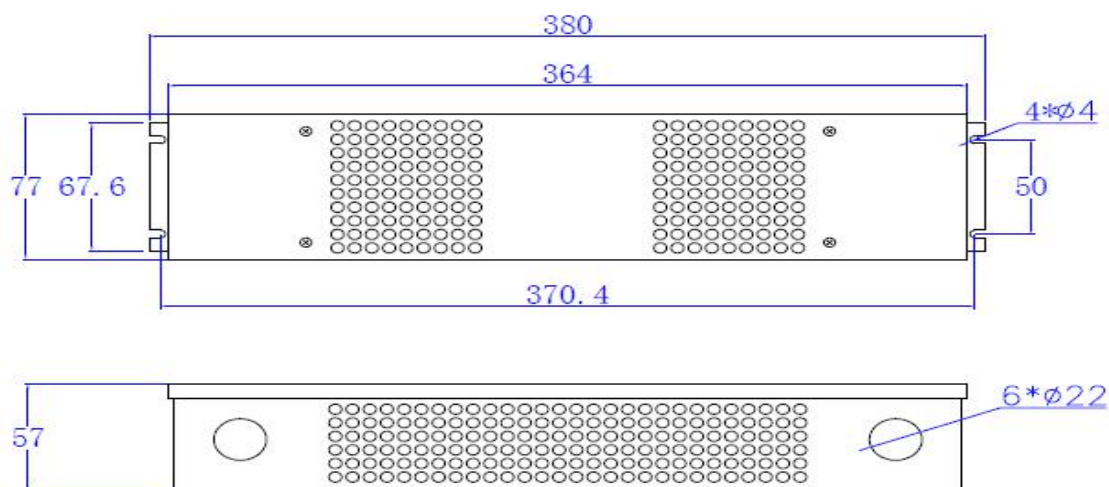
■ Label



※ Input black(L) and white(N) wires to be connected AC, Green wire to be connected ground; output red and black wires to be connected led lighting.

■ Mechanical Specification for DC 12V 80W Phase/Triac Dimmable Driver with junction box





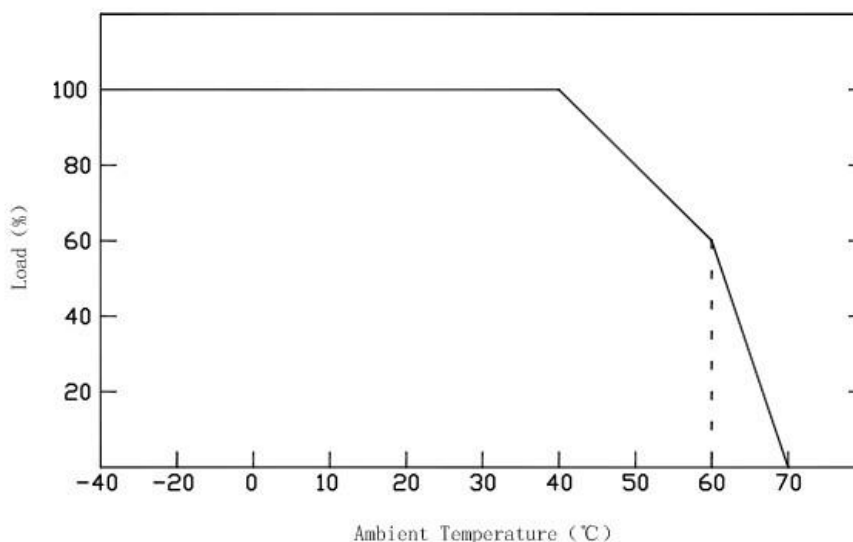
■ Dimming Operation

- ※ Output constant current level can be adjusted through input terminal of the AC phase line(L) by connection a phase/triac dimmer.
- ※ For forward phase, Magnetic low voltage and Triac Dimmer

■ Warning

- ※ Prevent to reverse polarity; Output polarity: RED "+"; BLACK "-"
- ※ Risk of Electric Shock. When used outdoors, install only on a circuit protected by a Class A GFCI;
- ※ Risk of Fire. Installation involves special wiring methods to run wiring through a building structure. Consult a qualified electrician;
- ※ Risk of Electric Shock. Mount the unit at a height greater than 1 foot from the ground surface.

■ Derating Curve

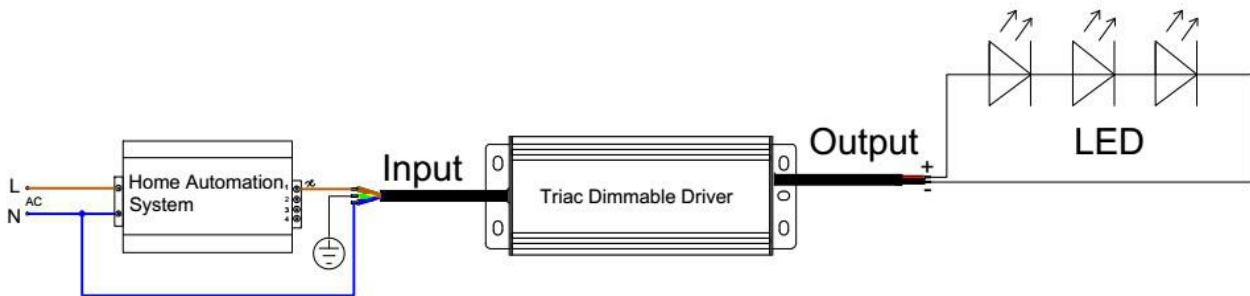
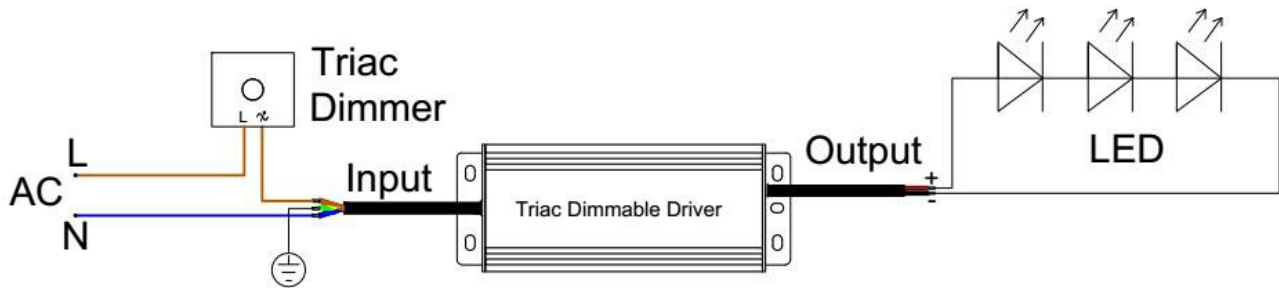




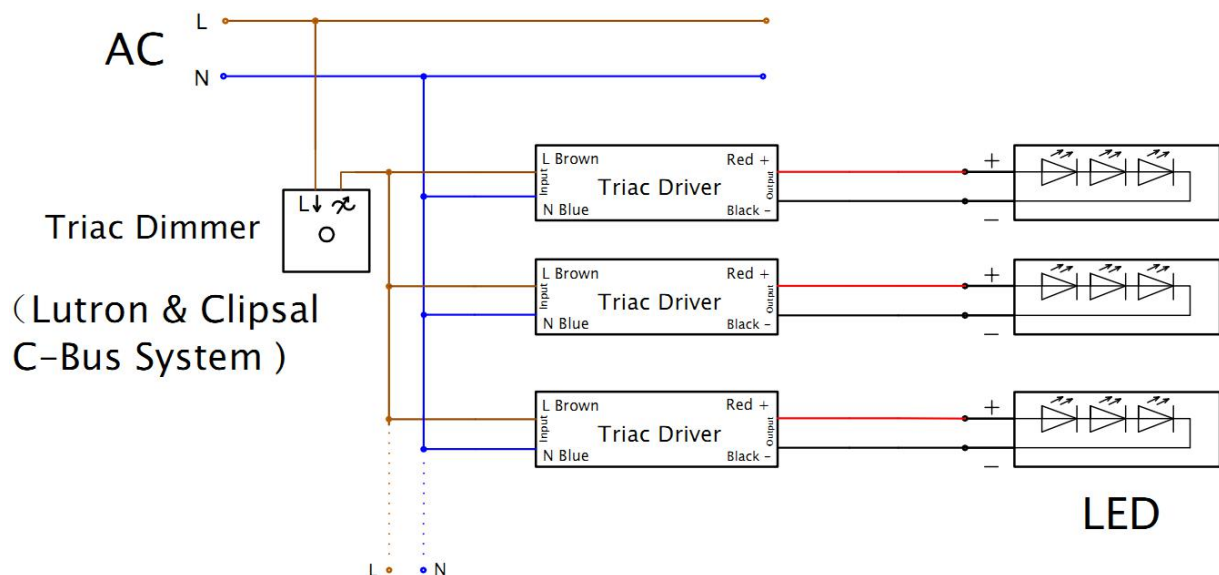
Constant Voltage Phase/Triac dimmable driver---80W series PWM output

※To extend their life, please refer to the Derating Curve and derate according to the temperature.

■ Single Driver Connecting Diagram

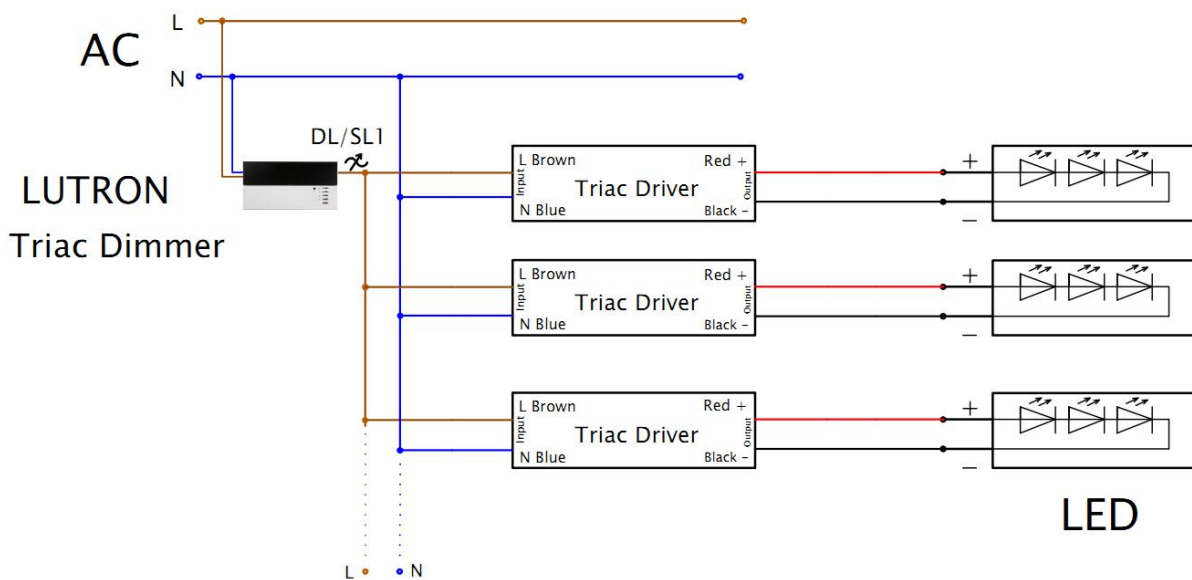
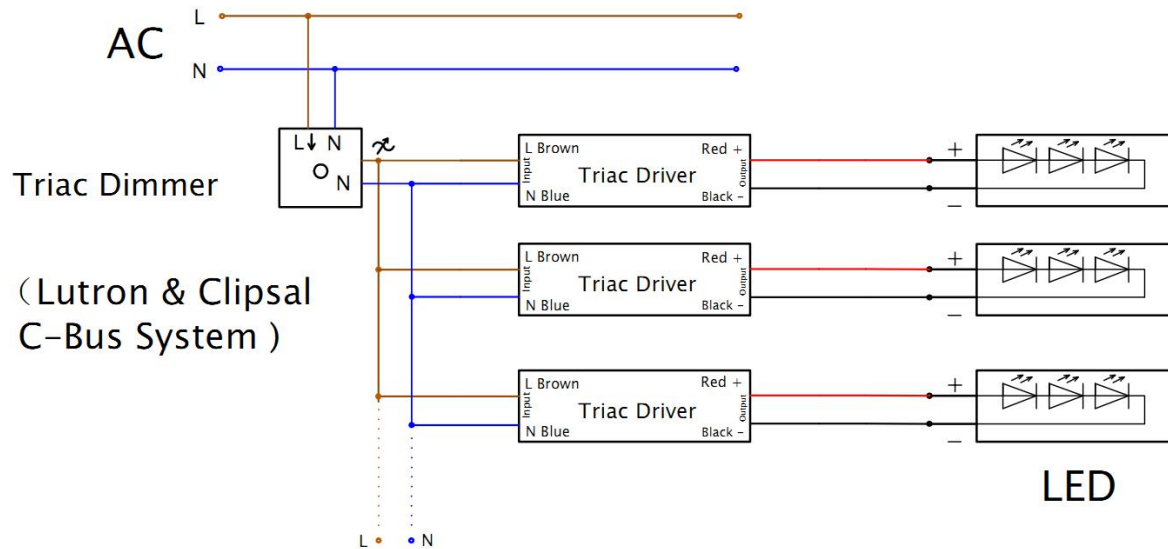


■ Multiple Drivers Connecting Diagram





Constant Voltage Phase/Triac dimmable driver--- 80W series PWM output



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