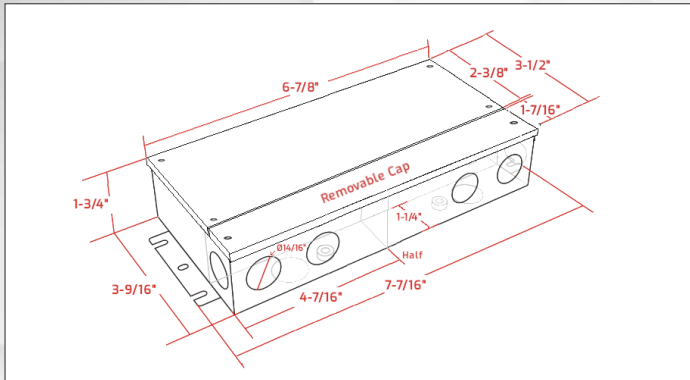


EPS-JB-D Series - 60W



DIMENSION DIAGRAM



FEATURES

- Output constant voltage
- UL, cUL listed, Class P, Class 2, Type HL
- Universal AC input: 100-277VAC
- Power Factor: up to 0.98
- High efficiency : up to 86%
- Load: 10-100%
- Protection: short circuit/over loading/ Over temperature
- Cooling by free air convection
- PWM output, does not change the color index
- Full protection aluminum housing, for dry, damp and wet location
- Flicker-free
- Dimming compatibility:
 - Forward phase (leading edge) MLV
 - Reverse phase (trailing edge) ELV
 - TRIAC
 - LED
- Dimming range: 0-100%
- Suitable for LED lighting and moving sign applications



CLASS 2



ELECTRICAL AND LIGHTING SPECIFICATIONS

Models	EPS-JB-D-60W-12V	EPS-JB-D-60W-24V
Input Voltage	100-277VAC	
Output Voltage	12V	24V
Rated Current	5A	2.5A
Rated Power	60W	
Product Weight	2.43 Lbs	
Power Factor @ Full Load (Typical)	0.98@120VAC 0.95@277VAC	0.98@120VAC 0.95@277VAC
Voltage Tolerance	±0.5V	
Voltage / Load Regulation	±0.5% / ±2%	
Efficiency @ Full Load (Typical)	83%	83%
Frequency Range	47-63Hz	
THD @ full load (Typical)	<20%	
Short Circuit	Shut down o/p voltage, re-power on to recover after fault condition is removed	
Over Loading	≤120% Hiccup mode, recovers automatically after fault condition is removed.	
Working TEMP.	-40~+60°C	
Working Humidity	20~95%RH, non-condensing	
TEMP Coefficient	±0.03%/°C (0~50°C)	
Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min. each along X,Y,Z axes	
Safety Standards	UL8750+UL1310, CAN/CSA-C22.2 No.250.13	
Withstand Voltage	I/P-O/P:1.88KVac	
Isolation Resistance	I/P-O/P:100MΩ/500VDC/25°C/70%RH	
EMC EMISSION	FCC 47 Part 15, Subpart B	
Product Individual Packing	9-3/4" X 4-7/8" X 2" (L*W*H)	



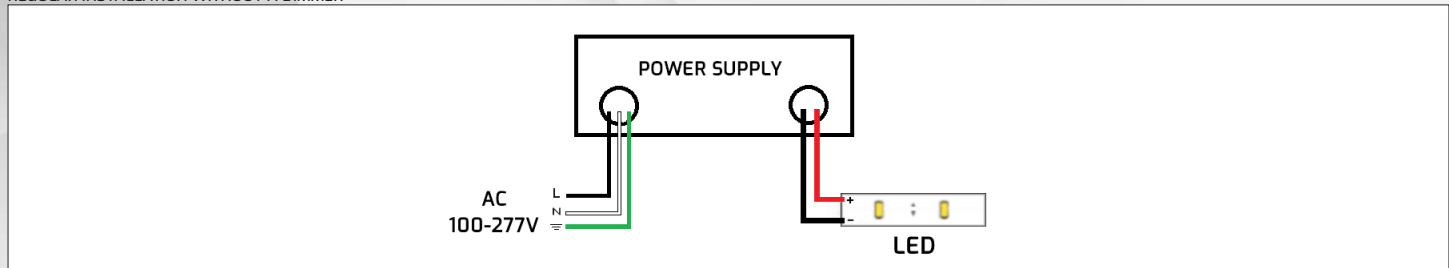
BOX PACKING DIMENSIONS

Models	EP5-SL-D-60W-12V	EP5-JB-D-60W-24V
Box Package Length	16-15/16"	
Box Package Width	14-13/16"	
Box Package Height	5-1/8"	
Box Package Weight	47.85 Lbs	
Box Quantity	20 units	

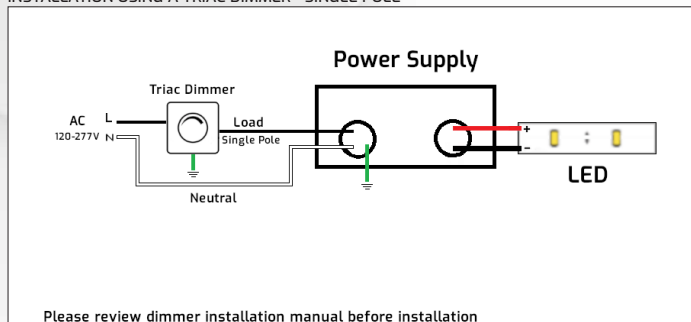
* Packing Dimensions subject to change.

CONNECTION DIAGRAMS

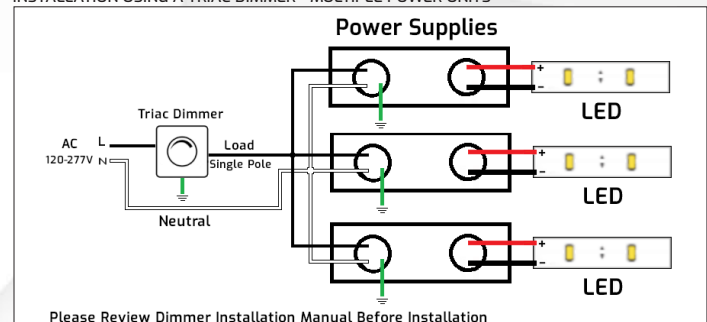
REGULAR INSTALLATION WITHOUT A DIMMER



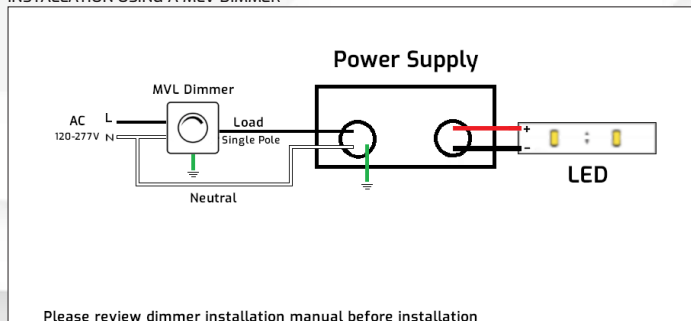
INSTALLATION USING A TRIAC DIMMER - SINGLE POLE



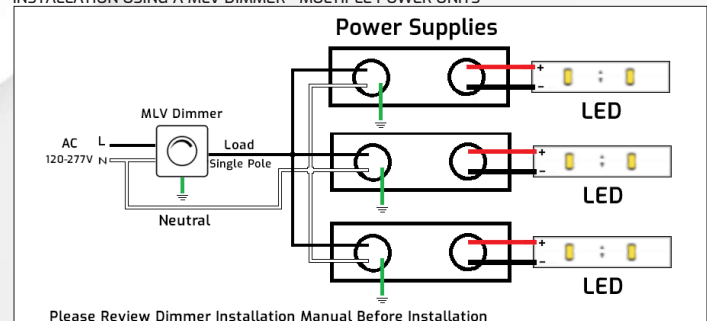
INSTALLATION USING A TRIAC DIMMER - MULTIPLE POWER UNITS



INSTALLATION USING A MLV DIMMER



INSTALLATION USING A MLV DIMMER - MULTIPLE POWER UNITS



INSTALLATION REMARKS

- Turn off power before installation.
- Make sure the 120-277V power is connected to the right side of the power supply (L and N).
- Wrong Connection will damage the product.
- Input wire 18AWG Black and White to be connected to AC L and N respectively. Green wire goes to ground.
- Output wire 16AWG Red to LED Positive side (V+), Black to LED Negative side (V-).
- Make sure the total load (watts) does not exceed the rated power of this unit.
- Only professionals must proceed to install this unit.

DERATING CURVE

