

5 IN 1 DIM J-BOX LED DRIVER 300W & 288W

This dimmable LED driver features an integrated wiring compartment, allowing one to make clean connections inside of the LED driver with no need for external junction boxes.

Job Name: _____

Distributor: _____

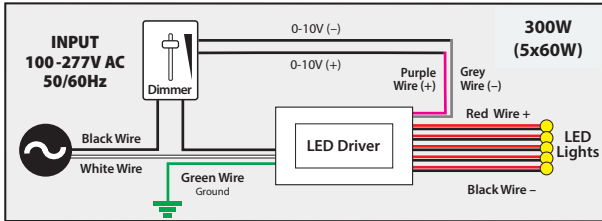
Type: _____

12V-300W Qty: _____ 24V-288W Qty: _____

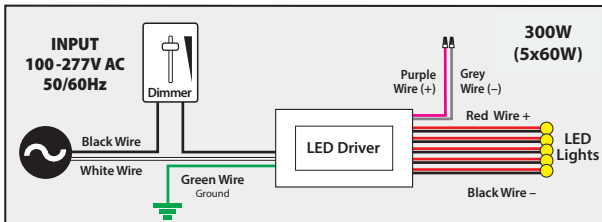
SKU: 666561426026

SKU: 666561426071

Installation Diagram (with 0-10V Dimmers)



(with Triac and Phase-cut Dimmers)



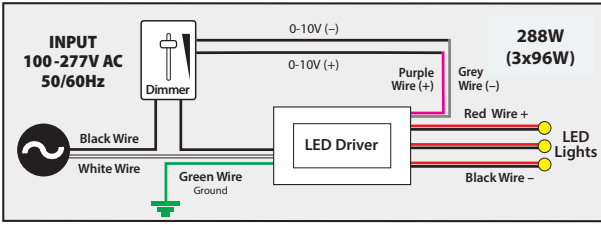
0 DIMMABLE 100



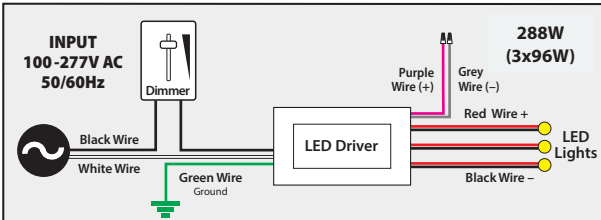
12V DC 300W CLASS 2
24V DC 288W CLASS 2

MODEL NUMBERS		VBD-012-300C2DM5i1 <input type="checkbox"/>	VBD-024-288C2DM5i1 <input type="checkbox"/>
OUTPUT	DC Voltage	12V DC	24V DC
	Rated Current	5x5A	3x4A
	Rated Power	300W (5x60W)	192W (3x96W)
	Voltage Tolerance	±0.5V	
	Voltage Regulation	±0.5%	
	Load Regulation	±1%	
INPUT	Voltage Range	100-277VAC	
	Frequency Range	47-63Hz	
	Power Factor (Typ.) @Full Load	0.95@120VAC 0.95@277VAC	0.99@120VAC 0.96@277VAC
	THD (Typ.) @Full Load	<20%	
	Efficiency (Typ.) @Full load	85%@120VAC 90%@277VAC	87%@120VAC 89%@277VAC
	AC Current (Max.)	3.6A@100VAC	3.4A@100VAC
	Inrush Current (Typ.)	35A, 50%, 960us@277VAC	43A, 50%, 1ms@277VAC
	Leakage Current	<0.50mA	
Protection	Working Temp.	-40~+60°C (see below derating curve)	
	Working Humidity	20~90%RH, non-condensing	
	Storage Temp. Humidity	-40~+80°C, 10~95%RH	
Environment	Temp. Coefficient	±0.03% (0~50°C)	
	Vibration	10~500Hz, 5G 10min./1 cycle, period for 60min each along X, Y, Z axes	
	Safety Standards	UL8750+UL1310	
	Withstand Voltage	I/P-O/P:1.88KVAC	
	Isolation Resistance	I/P-O/P:100MΩ/500V DC/25°C/70%RH	
Safety & EMC	EMC Emission	FCC Part 15 B	
	Working Temp.	-40~+60°C (see below derating curve)	
	Working Humidity	20~90%RH, non-condensing	
	Storage Temp. Humidity	-40~+80°C, 10~95%RH	
Others	Weight	About 2.4Kg	
	Size	303 x 110 x 45mm (L x W x H)	
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.		

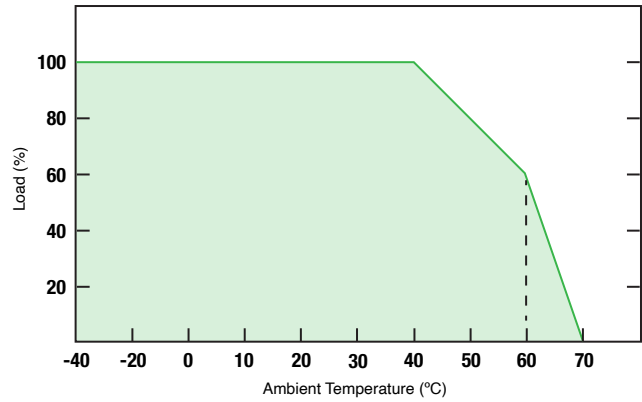
Installation Diagram (with 0-10V Dimmers)



(with Triac and Phase-cut Dimmers)



Derating Curve



Dimming

Veroboard 5 in 1 Dimming Constant Voltage LED drivers work with any standard Leading Edge, MLV, TRIAC or 0-10V dimmers. The dimmer switch must be installed on the 120V AC side of the driver.

Using Triac/Phase-cut Dimming

1. The pulse-width modulation (PWM) of output voltage can be adjusted through input terminal of the AC phase line (L) by connection a phase / Triac dimmer of lighting system.
2. Work with forward phase / leading edge, MLV and reverse phase / trailing edge, ELV, Triac dimmers.
3. Please try to use dimmers with power at least 1.5 times as the output power of the driver.

