

5 IN 1 DIM J-BOX LED DRIVER 30W

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: _____

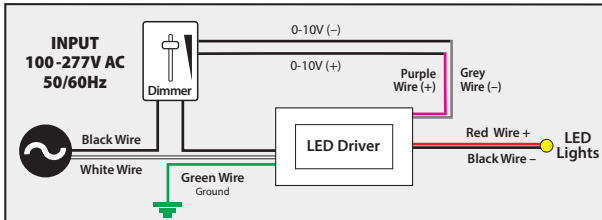
Type: _____

12V-30W Qty: _____ 24V-30W Qty: _____

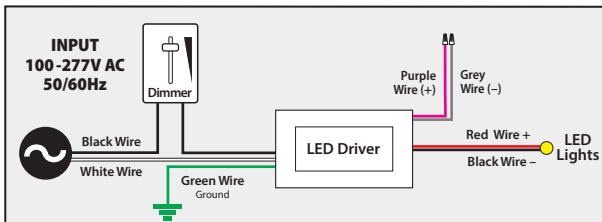
SKU: 666561425999

SKU: 666561426033

Installation Diagram (with 0-10V Dimmers)

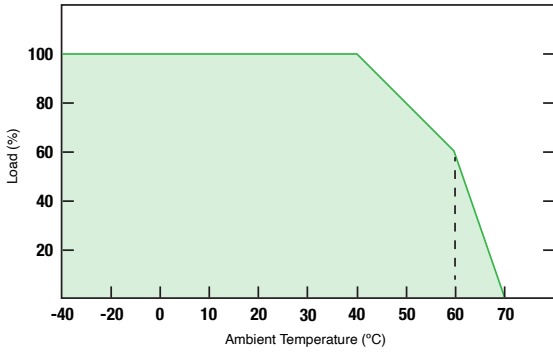


(with Triac and Phase-cut Dimmers)



MODEL NUMBERS		VBD-012-030C2DM5i1 <input type="checkbox"/>	VBD-024-030C2DM5i1 <input type="checkbox"/>
OUTPUT	DC Voltage	12V DC	24V DC
	Rated Current	2.5A	1.25A
	Rated Power	30W	30W
	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	0.99@120VAC 0.98@277VAC	0.99@120VAC 0.95@277VAC
	THD (Typ.) @Full Load	<20%	
	Efficiency (Typ.) @Full Load	79%@120VAC 80%@277VAC	79%@120VAC 80%@277VAC
	AC Current (Max.)	0.5A@100VAC	
	Inrush Current (Typ.)	7A, 50%, 420us@120VAC	12A, 50%, 480us@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 0.95Kg	
	Size	166 x 95 x 41 mm (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.		

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.

