

## LED Driver Installation Manual

For 12V DC Class 2 LED Drivers rated 24W/48W/60W



Veroboard Phase Cut Dimming Constant Voltage LED drivers are class 2 rated, UL Listed and compatible with any standard Leading Edge, MLV, or TRIAC dimmers. The driver comes with a low-profile metal enclosure and is an ideal supply for low voltage LED strip lights and various LED fixtures.

### Caution

Before proceeding with the installation, please read this manual in its entirety.

Veroboard dimmable LED drivers should only be installed by a qualified electrician in accordance with Article 450 of the National Electric Code as well as any other applicable regional regulation. The driver must be installed in a well-ventilated area, as air flow is necessary for continued operation. Keep away from explosive gases or vapors.

### Before Installation

Read the label on the driver and ensure it meets the necessary specifications for the job. Check that the input voltage does not exceed 130V. Check that the output voltage matches the requirements of your LED lights. It is recommended to not load your driver over 70% of its maximum watt/amp rating to account for losses in low voltage wiring. Refer to the provided wiring diagram to ensure proper placement of all connected wires.

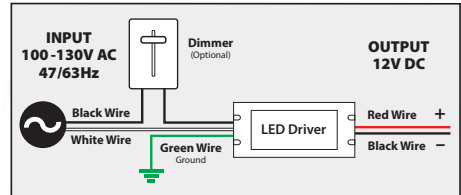
### Mounting the Driver

Mount the driver in it's enclosure using a screw in each of the 4 keyhole openings on the sides of the enclosure. Ensure that the chosen location can support the weight of the driver and that sufficient ventilation is present. It is recommended to mount the driver in a vertical orientation. After all wires have been connected secure the lid of the enclosure using all 4 screws provided.

### Connecting the Input and Ground Wires

Ensure that power is turned off. Use only UL listed connectors of a suitable size and type. Remove the "Input" wiring compartment cover to reveal the screw terminals. Remove knockouts from the wiring compartment as necessary. Route the wires through the clamp connector and attach one black

### Installation Diagram



wire to the screw terminal labeled "L" and one white wire to the screw terminal labeled "N". Reattach the Input wiring compartment and ensure wires are secured. Attach a ground wire to the green wire attached to the enclosure. This driver must be grounded in accordance to the National Electrical Code and any other applicable regional regulations.

### Connecting the Output Wires

Ensure that power is turned off. Use only UL listed connectors of a suitable size and type. Remove the "Output" wiring compartment cover to reveal the screw terminals. Remove knockouts from the wiring compartment as necessary. Route the wires through the clamp connector and attach one positive wire to the screw terminal labeled "+" or "V+" and one negative wire to the screw terminal labeled "-" or "V-". Reattach the Output wiring compartment and ensure wires are secured.

### Dimming

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

## Specifications

Max Load	24W	48W	60W
Input Voltage	100-130V AC	100-130V AC	100-130V AC
Input Current at Max Load	0.38 A	0.76 A	0.95 A
Frequency	47/63 Hz	47/63 Hz	47/63 Hz
Output Voltage	12V DC	12V DC	12V DC
Output Current at Max Load	2.0 A	4.0 A	5.0 A
Dimensions L*W*H	350 x 75 x 40 mm	350 x 75 x 40 mm	350 x 75 x 40 mm
Weight	726 g	832 g	960 g
IP Rating	IP20	IP20	IP20
SKU	666561415761	666561415754	666561415747
Model	VBD-012-024DM	VBD-012-048DM	VBD-012-060DM