VEROBOARD®

Dimmable — **24V DC**

LED Driver Installation Manual
For 24V DC Class 2 Rated 96W & LED Drivers rated 150W/200W

FC | RoHS 2002/95/EC | IP67 SELV | c ETL us Intertek 5005044

Veroboard Phase Cut Dimming Constant Voltage LED drivers are class 2 rated 96W, UL Listed and compatible with any standard Leading Edge, MLV, or TRIAC dimmers. The driver comes with a low-profile aluminum 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.
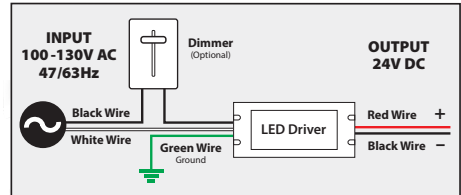
Mounting the Driver
Mount the driver in it's enclosure using a screw in each of the 4 keyhole openings on the sides of the enclosure. Ensure that the chosen location can support the weight of the driver and that sufficient ventilation is present. It is recommended to mount the driver in a vertical orientation. 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, such as the ones included with the driver. On the **"Input"** side there is one cable with three wires coming from the power supply. These wires are black, white, and green for live, neutral and ground respectively. Remove knockouts from the wiring compartment as necessary. Route

Installation Diagram

the wires and attach your live connection to the black wire on the **"Input"** side of the driver and your neutral connection to the white wire on the **"Input"** side of the driver. Attach a ground wire to the green wire attached to the enclosure as well as the green wire from the power supply. Ensure all connections are secured and there are no exposed wires. 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, such as the ones included with the driver. On the **"Output"** side there are either one cable (for 96W driver) or two cables (for 150W/200W drivers) with two wires each coming from the power supply. These wires are red (positive) and black (negative). Remove knockouts from the wiring compartment as necessary. Route the wires and attach the negative wires from your low voltage lighting circuit to the black wire(s) on the **"Output"** side of the power supply and the positive wires from your low voltage lighting circuit to the black wire(s) on the **"Output"** side of the power supply. Ensure all connections are secured and there are no exposed wires.

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	96W	150W	200W
Input Voltage	100-130V AC	100-130V AC	100-130V AC
Input Current at Max Load	1.53 A	2.39 A	3.18 A
Frequency	47/63 Hz	47/63 Hz	47/63 Hz
Output Voltage	24V DC	24V DC	24V DC
Output Current at Max Load	4.0 A	6.25 A	8.3 A
Dimensions L*W*H	375 x 80 x 55 mm	410 x 85 x 60 mm	410 x 85 x 60 mm
Weight	1.686 kg	2.186 kg	2.170 kg
IP Rating	IP67	IP67	IP67
SKU	666561415808	666561415792	666561415785
Model	VBD-024-096DM	VBD-024-150DM	VBD-024-200DM