

# E-SERIES 12V DC Installation Guide

## 20W - 60W Class 2 Voltage LED Drivers (UL Listed)

### BEFORE YOU BEGIN



#### General

This driver is to be installed in accordance with Article 450 of the National Electric Code (NEC). The driver must be installed in a well-ventilated area free from explosive gases and vapors. Proper operation requires for free flow of air. Since this driver is hardwired, it should only be installed by a qualified electrician.

#### Precautions Before Installing

Check the label and ensure the driver has the proper input voltage and wattage for the job. Check the wire markings to ensure they match the wiring diagram (below).

#### Mounting

Select a suitable location capable of supporting the weight of the driver. Use the two key holes in the wire housing and third hold on the flange when mounting. It is recommended that the driver be mounted vertically with the wiring compartment pointing down. Recommended spacing between drivers is 5".

#### Input Connections / Grounding

Remove the wiring compartment cover and install the clamp connectors provided with the driver. With power turned off, route the input wires through the clamp connector and connect one wire to black and one wire to white. Use only UL listed wire nuts and connectors of suitable size and type. Connect the ground wire to the driver green wire.

#### Quick Specs

Input Voltage	120V AC
Output Voltage	12V DC
Operating Temperature	-20°C - +65°C (-4°F - 158°F)
Enclosure	Dry & Damp
Dimensions (inches)	6.77" x 2.67" x 1.26"
Weight	17 oz.

#### Output Connections

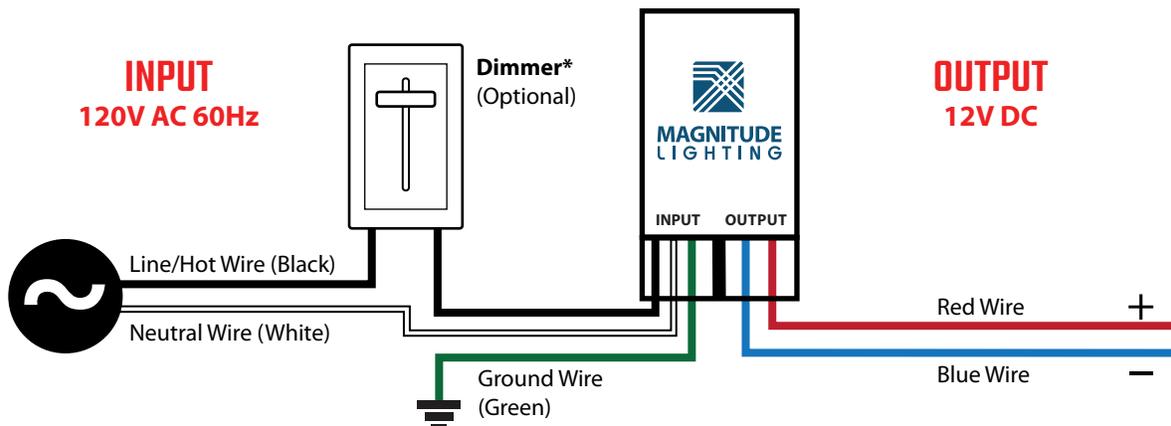
Bring the wires of the light fixture through the other clamp connector and connect them to the driver wires - positive to the red (+) wire and negative to blue (-) wire.

#### Dimming

Dimmable with any standard MLV / Incandescent TRIAC (Leading Edge) dimmer switches. Dimmer switches is to be installed on the input (120VAC side) of the driver.

**NOTE:** Measuring the output voltage without a load will result in readings greater than the nominal voltage. **8W minimum load required.**

**Do not install PWM low voltage controllers on the output without consulting with Magnitude.**



\*Please visit our website for a full dimmer compatibility list: [www.magnitudeinc.com](http://www.magnitudeinc.com)