

# E-SERIES 12V DC Installation Guide

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

### 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.

#### Input Connections / Grounding

With power turned off, connect one wire to black and one wire to white. For all wire connections, Use only UL recognized wire nuts and connectors of suitable size and type. The driver case MUST be grounded in accordance with the NEC. Connect the ground wire to the driver's green wire.

#### Output Connections

Connect the light fixture wires to the driver wires - positive (+) to the red wire and negative (-) to the blue wire.

#### Quick Specs

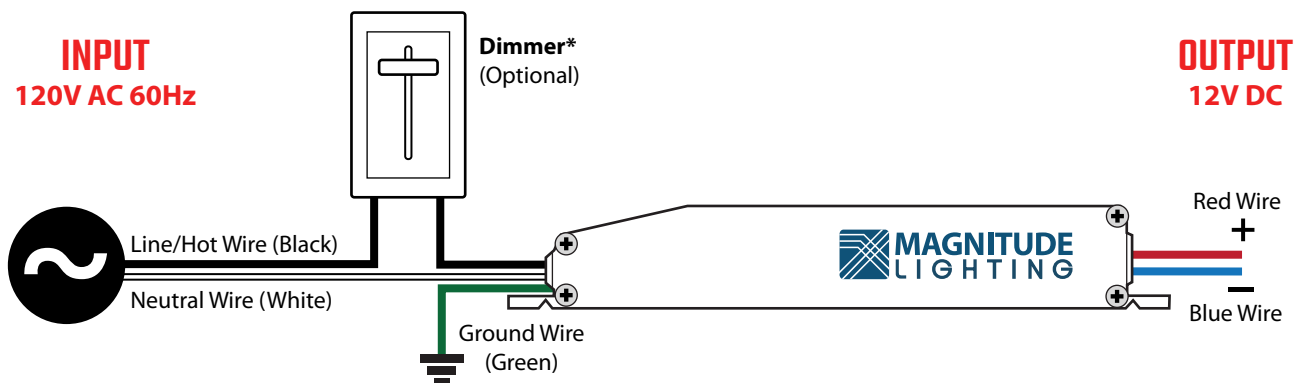
Input Voltage	120V AC
Output Voltage	12V DC
Operating Temperature	-30°C - +40°C (-22°F - 104°F)
Enclosure	IP67 - Wet Location
Dimensions (inches)	4.92" x 1.97" x 0.77"
Weight	9 oz.

#### Dimming

Dimmable with any standard MLV/Incandescent TRIAC (Leading Edge) dimmer switch. Dimmer switch 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. **For smooth dimming, 8W minimum load is 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)