MAGNITUDE LIGHTING

ETL LISTED C US | CLASS 2 | DIMMABLE − + | 12V AC

12V AC Installation Guide

20W - 100W Magnetic AC Lighting Transformers (20W - 60W are Class 2)

⚠ BEFORE YOU BEGIN

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

Precautions Before Installing

Check the label and ensure the transformer has the proper input voltage and wattage for the job. Check the wire markings to ensure they match the wiring diagram on this installation guide.

Mounting

Select a suitable location capable of supporting the weight of the transformer. Use the two keyholes in the transformer case. It is recommended that the transformer be mounted vertically with the wiring compartment pointing down. If you are installing multiple drivers, keep a minimum space of 5" Inch between each driver.

Input Connections / Grounding

Remove the wiring compartment knockouts and install strain reliefs. With power turned off, route the input wires through a strain relief and connect one wire to black and one wire to white. for all wire connections use only UL listed wire nuts and connectors of suitable size and type. The transformer case MUST be grounded in accordance with the N.E.C. Connect the ground wire to the transformer green wire.

Output Connections

Bring the wires of the light fixture through the other open knockout and connect them to the transformer's blue output wires.
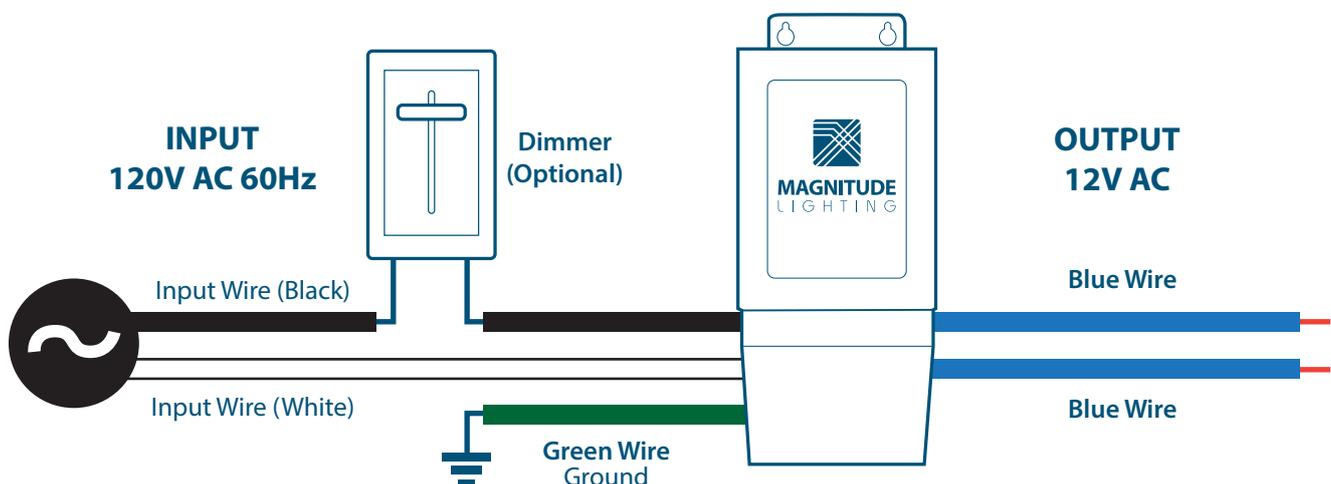
Dimming

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

Please visit our website for a full dimmer compatibility list -
www.magnitudeinc.com

If you need to quickly calculate the drop voltage

**Magnigauge - The Ultimate Drop Voltage Calculator Free App
suitable for Apple and Android Devices go to**

www.magnitudeinc.com/service-support/voltage-drop-app/

**INPUT
120V AC 60Hz**

**Dimmer
(Optional)**

MAGNITUDE LIGHTING

**OUTPUT
12V AC**

Input Wire (Black)

Blue Wire

Input Wire (White)

Blue Wire

Green Wire
Ground

The contents of this document are subject to change without notice