



60W MinDrive

Constant Voltage Class 2 Phase Cut Dimmable Mini Driver

Product Code: SMD60R24DC

iLED SKU#: 8572



BEFORE YOU BEGIN

Magnitude's MinDrive Series of Constant Voltage Class 2 LED Drivers offer smooth flicker free dimming with a wide variety of compatible dimmers. The MinDrive 60 is a miniature LED Driver that you can use with confidence. It meets FCC consumer limits for radiated RF and carries a 5-year warranty. Its compact size fits in tight spaces like single gang junction boxes and 90% efficiency helps it run cool!

Features

Phase cut dimmable with most standard MLV/Incandescent TRIAC (leading edge) dimmer switches. Super compact mini driver (fits in single gang junction box). Class 2, UL recognized under UL 8750 FCC Part 15 Class B.

Specifications

1 Watt load needed without Dimmer

Max Load	60W
Input Voltage	100-130V AC
Input Current	.56A @ 120VAC (24DC)
Output Voltage	24V DC
Output Current	2500mA (2.5A) Max
Turn on Delay at Max Load	< 0.5 seconds
Efficiency at Max Load	>90%
Power Factor	> 0.90
Env. Protection Rating	IP21 Dry and Damp Locations
Operating Ambient Temp.	-30°C to +40°C
Storage Temp.	-40°C to +85°C
Life Expectancy	50K Hours > 75°C Tc Max
Audible Noise	<24db Class A
Connector Type	18AWG Wire Leads UL 1316
Dimensions (inch)	2.9" x 1.6" x 0.9"
Weight	5.3 oz.

Note: This driver requires a *compatible MLV/Incandescent TRIAC (leading edge) dimmer switch* for proper operation. See the list of approved dimmers recommended by Magnitude Inc. and Inspired LED. Driver must be installed in a well-ventilated area free from explosive gasses and vapors. Proper operation requires a free flow of air. Driver should be installed by a qualified electrician in accordance with article 450 of the National Electrical Code.

Precautions Before Installing

Check the label to 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 the 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. See wiring diagram below for more information.

Output Connections

Connect the 24VDC LED light strips to the driver wires, as per the diagram shown below. Purple Wire (-) will connect to (-) wire on LED strip, Red Wire (+) will connect to (+) wire on LED strip.

Mounting

Select a location capable of supporting the weight of the driver. The MinDrive Mini driver can fit inside a single gang junction box, never install driver sealed in dry wall.

To calculate voltage drop

Visit the magnitude website and download the free app: www.magnitudeinc.com/service-support/voltage-drop-app/

Wiring Diagram

