

# SOLIDRIVE Installation Guide

## 120-277VAC / 12/24/36/48VDC

12 / 24 / 36 / 48VDC	FC IP66	RoHS Compliant	CLASS 2
120 - 277VAC	CE	UL US LISTED	CLASS P
MEETS TITLE 24/JA8 REQUIREMENTS	DIMMABLE	DIM DOWN TO 1%	TYPE HL
			SELV

Dimmable Models		Non-Dimmable Models	
CVD30L12	CVD60R24	CVN30L24	CVN60L48
CVD30R12	CVD60L48	CVN30R24	CVN60R48
CVD30L24	CVD60R48	CVN30L48	CVN96L24
CVD30R24	CVD96L24	CVN30R48	CVN96L36
CVD30L48	CVD96R24	CVN50L12	CVN96L48
CVD30R48	CVD96L36	CVN50R12	CVN96R24
CVD50L12	CVD96R36	CVN60L24	CVN96R36
CVD50R12	CVD96L48	CVN60R24	CVN96R48
CVD60L24	CVD96R48		

### Quick Specs

Input Voltage	120-277V AC
Output Voltage	12/24/36/48V DC
Max. Ambient Temp.	-25° C to 40° C (-13°F - 104°F)
Enclosure	Dry and Damp
Certifications	UL8750, UL2043 Plenum Rated
Min. Install. Space Between Drivers	5"

### 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. This driver 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 on the installation guide, below.

#### Input Connections/Grounding

1. Remove the input wiring compartment cover plate. Remove knockouts and install wire strain reliefs.
2. 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. Connect the ground wire to the transformer green wire.

### Mounting

Select a suitable location capable of supporting the weight of the driver. Use the mounting key holes on both ends when mounting. It is recommended that the driver be mounted vertically, with the wiring compartment pointing down. Recommended spacing between drivers is 5".

#### Dimming

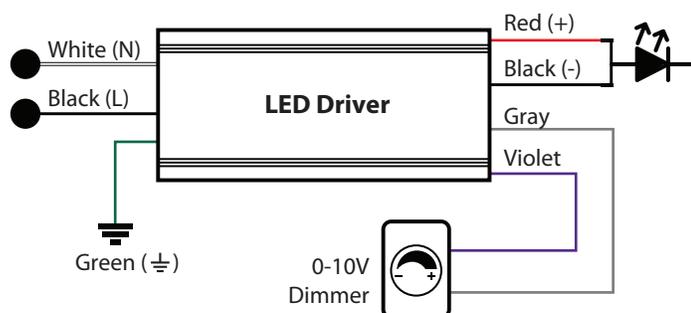
With power turned off, route the 0-10V wires and make connections according to the wiring diagram below. For all wire connections use only UL listed wire nuts and connectors of suitable size and type.

#### 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. Measuring the output voltage without a load will result in readings greater than the nominal voltage.

## Wiring Diagrams

### 0-10V Dimmable Model



### Non-Dimmable Model

