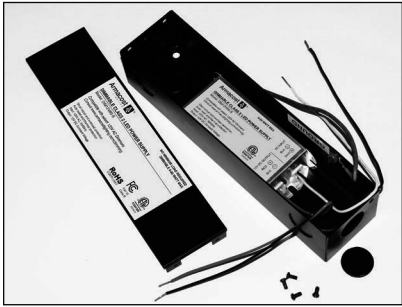


60 Watt Dimming LED Driver

Model: DIM12V60 | No Minimum Load, Class 2 Power Unit | Suitable for Dry and Damp Locations



Highly efficient, stabilized 12V DC power for LED lighting

Delivers the right amount of power needed whether powering a 3 watt LED puck light, 60 watts of LED tape lighting, or a combination of both. No minimum power load is required for effective, flicker-free dimming. For use only with white LED lighting requiring 12V DC constant voltage power.

Power supply will shut off in case of lighting overload, open circuit, short circuit, over-temperature or other fault. Unit will automatically restart after the fault has been corrected.

Not for use with color-changing RGB LED lighting. Use only with approved compatible AC dimmers.

Installation Guidelines

- Power supply is for direct wire only. For dry location use only. Allow for ventilation.
- 120V AC Power to this LED power supply must be disconnected at all times during installation.
- Total wattage of all LED fixtures used must not exceed the 60 watt rating of this power supply.
- Use only insulated staples or plastic ties to secure cords and wires.
- Route and secure wires so they will not be pinched or damaged.
- All wiring must be in accordance with national and local electrical codes, low voltage Class 2 circuit. For wire runs inside of walls, use properly certified CL2 or better cabling and appropriate

mounting hardware. If you are unclear as to how to install and wire this product, contact a qualified electrician. Failure to install this device properly may result in electrical shock or fire.

- Do not install Class 2 low voltage wiring in the same runs as AC main power. If AC and low voltage wires cross, keep them at 90-degree angles.

Power supply location and voltage drop

Voltage drop is the gradual decrease in voltage that occurs from your power supply to your LED lighting. The shorter the 12V DC wire leads are between the power supply and the LED lighting, the brighter and more consistent the lighting will be – do not coil extra wire.

Voltage drop only becomes undesirable if you notice the brightness or color in one area of your lighting is objectionably different than in another area. As a practical approach, test your LED lighting prior to final installation. If voltage drop appears to be an issue, use thicker, heavier gauge wires or use less lighting.

To determine what wire will work best in your design, visit armacostlighting.com/installation for an easy to use online voltage drop calculator.

SPECIFICATIONS

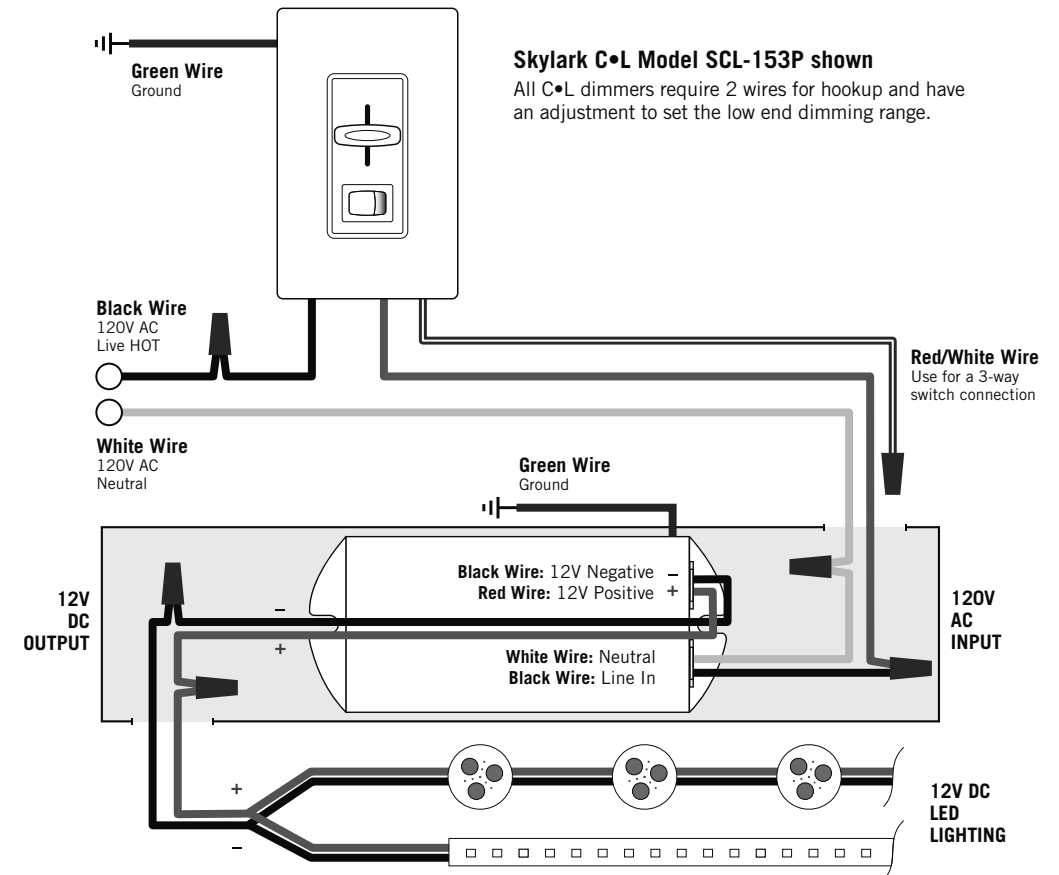
| | |
|--------------------|---|
| Input voltage | 120V AC, 50/60Hz |
| Output voltage | 12V DC, 5A Max |
| Power factor | >98% |
| Efficiency | >85% |
| Enclosure material | Metal |
| Protection | UL listed for damp locations |
| Dimensions | 8" L x 2" W x 1.8" H (207mm L x 50mm W x 43mm H) |

Note: If you measure the output of this device with a common multimeter, you will get a low reading of 10-11 volts. To accurately measure voltage output, you must use a digital multimeter that can measure the AC+ DC true RMS value of the output. A Fluke model 289 True-RMS Industrial Multimeter is an example.

Limited 1-year warranty. Improper installation, improper powering, abuse, or failure to use this device for its intended purpose will void warranty. Proof of purchase is required for all returns. Questions? Email support@armacostlighting.com.

TYPICAL WIRING DIAGRAM AND COMPATIBLE DIMMERS

This power supply is compatible with Lutron C•L and Digital dimmers, and most electronic low voltage (ELV) and other Universal dimmers manufactured by Lutron, Legrand and Insteon. Do not use with Armacost Lighting 12V DC low voltage dimmers. For compatible dimmers, go to www.armacostlighting.com/dimming.



Power supply is for direct wire only and includes NEMA 1 listed metal enclosure with eight (8) 7/8" knockouts. After removing knockouts, install suitable strain reliefs and route wires appropriately to fit installation location.

A ground wire is attached with lug and nut to the inside of the enclosure.