24VDC 96W Dimmer & LED Driver Instructions

Model: LW-DD-24096-DIM

LED WORLD Inc
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PRECAUTIONS BEFORE INSTALLING

- Read all instructions before installation. To be sold with instructions.
- Only qualified personnel should install the unit.
- Installation must comply with the National Electrical Code (Article 450) and Canadian Electrical Code.
- Ensure the unit has the proper input/output voltage and output wattage for your application.
- Check the wire markings to ensure they match the wiring diagram on this installation guide.
- Turn off power at breaker before starting.
- Only use copper wiring. Use wires rated for at least 194°F (90°C) and certified for use with external connection of electrical equipment.
- Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- Do not install in environment where excessive heat may exist (ex. close proximity to fireplace, etc.) See Ambient Temperature ratings.
- Do not modify product beyond instructions or warranty will be void.

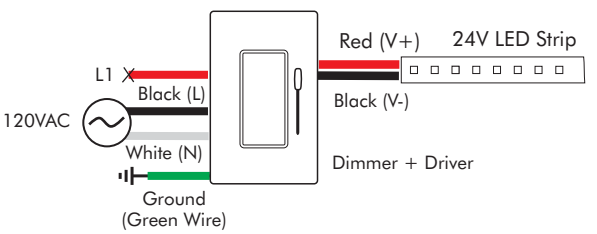
24V DC Output | 96 Watts | 4 Amps | 3 Years Limited Manufacturer Warranty

DIMMABLE | cULus LISTED | FC

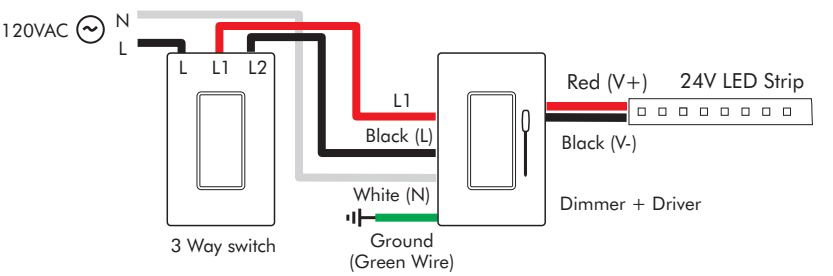
TOOLS REQUIRED

Flat-head screwdriver | Phillips-head screwdriver | Pliers | Wire Strippers

STANDARD DIMMING SYSTEM WIRING



3 WAY DIMMING SYSTEM WIRING



INSTALLATION STEPS

1. Turn Power off at circuit breaker.

2. Determine the location to install components.

3. Remove existing switch (If necessary):

- Remove trim plate and switch mounting screws.
- Pull switch from wall. Identify wires connected to switch and mark wires if desired.
- Disconnect wires from switch.

4. Adapt LED Driver and Dimmer (if necessary).

It is required to break off dimmer fins when ganging multiple dimmers in same wall box.

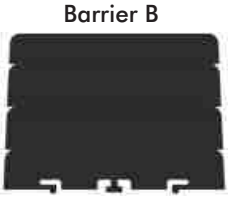
5. Attach Voltage Partition (Barrier):

NOTE:NEC CODE725.136

Class 1 and Class 2 circuits in same enclosure must be separated by a barrier unless Class 2 circuits conductors are installed in accordance with 725.41 Class 1 Circuits. For example, Non-Metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high voltage and low voltage are installed with NM cable then the voltage barrier is not required for installation.

Barrier A

Barrier B



Rotatable, changes the direction of input and output lines, better utilizes space, and facilitates wiring and installation

Barrier A Installation method:

Align isolation plate A with the opening of the rotating column on the bottom shell.

Push it in the direction of the arrow until the buckle is stuck on the outer wall of the rotating column.

The isolation plate can rotate left and right by a certain angle to adjust the space of the high and low pressure zones.

LED World Inc. | #130 10615 48 ST SE | CALGARY, AB T2C 2B7 | CANADA | Version 1.0 02/05/25

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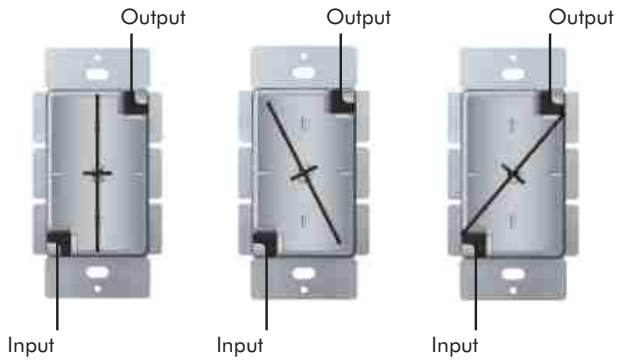
Barrier B Installation method:

Align isolation component B with the opening of the rotating column on the bottom shell

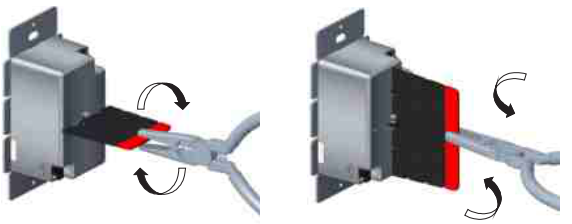
Push it in the direction of the arrow until the buckle clicks onto the outer wall of the rotating column.



Isolation plate B is designed to meet the requirements of different input lines in different regions and positions. The isolation plate can be rotated to achieve the wiring of input lines above or below.

Shallow Wall Boxes

For shallow boxes, barrier can be shortened. Grip with pliers. Bend back and forth until fin breaks off.



Extra Shallow Wall Boxes

For extra shallow wall boxes it's acceptable to use the dimmer housing as a barrier. Tuck wires on top and bottom sides of dimmer housing.

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