

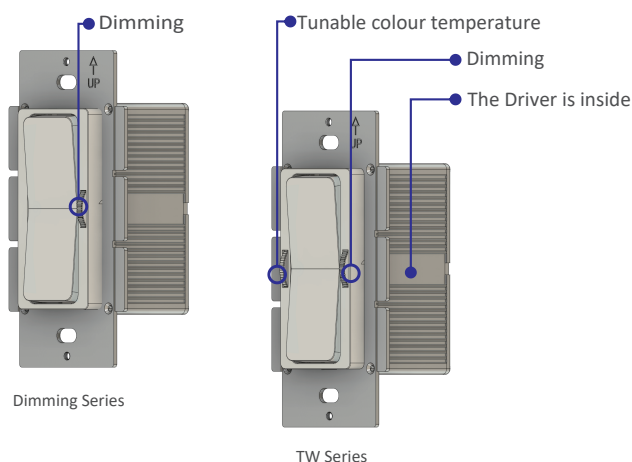


Installation Instructions

Driver & Dimmer 2 in 1
JLAD-TW Series (tunable white dimming)
JLAD Series (single dimming)

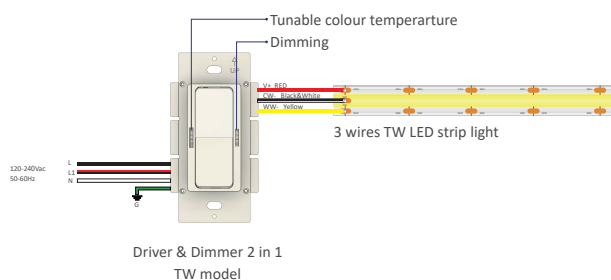


Class 2

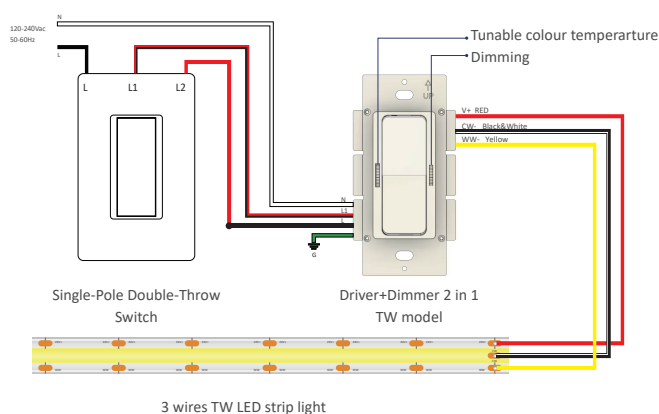


Wiring Diagram

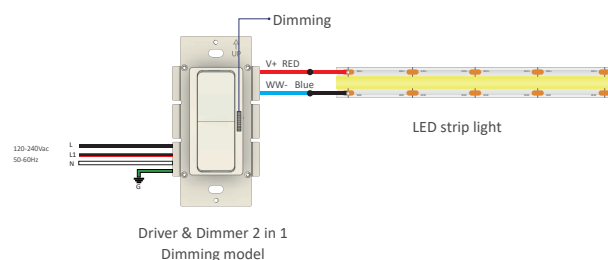
- Wiring diagram of TW model for tunable white



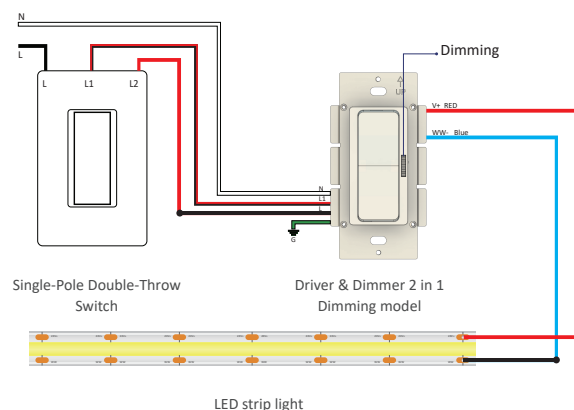
- Wiring diagram of TW model for 3-way



- Wiring diagram of Dimming model for static LED



- Wiring diagram of Dimming model for 3-way

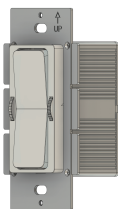


Safety and Installation Warnings

- Installation must comply with all applicable national and local electrical codes and standards.
- This unit is designed for installation, maintenance, and servicing only by a qualified and licensed electrician or technician.
- Use only copper conductors with a minimum temperature rating of 194°F (90°C), certified for the external connection of electrical apparatus.
- Select and install wiring between the power source, unit, and any intermediate controls based on correct voltage, current (amperage) rating, voltage drop considerations, and environmental suitability (e.g., in-wall, wet location). Failure to use adequate wiring may lead to overheating and present a fire hazard.
- Do not install in locations subject to excessive ambient temperatures (e.g., near heaters, furnaces, or direct high-heat appliances). Refer to product specifications for acceptable temperature ranges.
- Any modification to this product not explicitly authorized in the provided instructions will invalidate all warranties.
- Note that actual product finish and color may vary slightly from images shown in print or digital materials due to photographic and printing variations.
- We reserve the right to make design, performance, and specification changes to our products without prior notification. We cannot guarantee that new or replacement units will precisely match previously shipped products in exact appearance, Tunable White (TW), light output (lumens), or other physical attributes.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

* The face panel is not replaceable

Included components



LED Driver & Dimmer 2 in 1



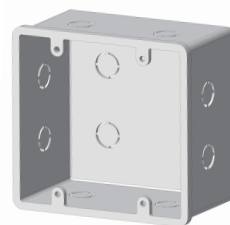
Barrier



Mounting Screw (X2)



Wire Nut (X7)



Removable Partition (Not Included)

Fitting tools



Slotted screwdriver



Phillips-head screwdriver



Pliers



Wire Strippers

1. Turn off the Power at the Circuit Breaker

SHOCK HAZARD!

May result in serious injury or death.

Turn off the power OFF at the circuit breaker prior to installation.



OFF



2. Remove Existing Switch (if necessary)

Locate the positions for installation

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.



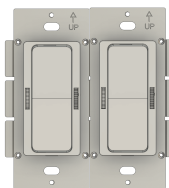
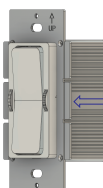
LED Driver & Dimmer 2 in 1



Fixture (Not Included)

3. Adapt LED Driver and Dimmer (if necessary)

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



NOTE: ZERO LOAD DERATING

Unlike standard high voltage AC controls, removing LED Driver and Dimmer Switch fins does not reduce the driver's maximum wattage rating.

4. Attach Voltage Partition (Barrier)

NOTE: NEC CODE 725.136

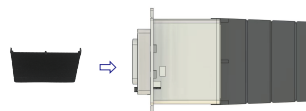
Class 1 and Class 2 circuits in same enclosure must be separated by a barrier unless Class 2 circuits conductors are installed in accordance with 725.41 Class 1 Circuits. For example, Non-Metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high voltage and low voltage are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



Barrier

Separate high voltage and low voltage spaces

- Barrier installation method



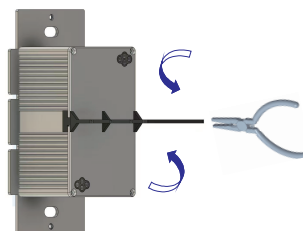
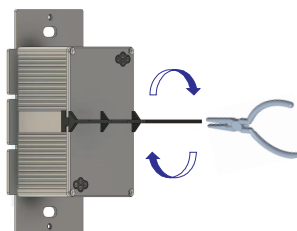
Align isolation plate with the opening on the card slots on both sides of the bottom shell.



Push vertically until the barrier is inserted into the slots on both sides.

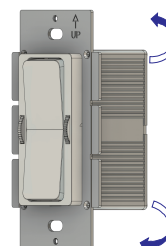
- 4.1 Shallow Wall Boxes

For shallow boxes, barrier can be shortened by using pliers.



- 4.2 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.



5. Wire Driver & Dimmer

NOTE: SPECIAL WIRING INSTRUCTIONS

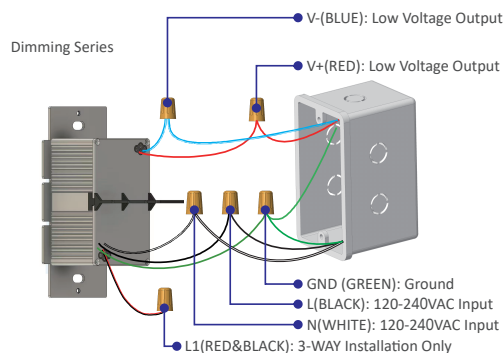
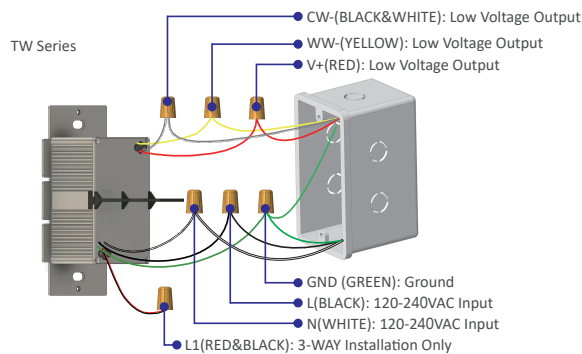
LED Driver & Dimmer switch requires unique wiring method. Read carefully.

- 5.1 Strip wires on driver & Dimmer



- 5.2 Wire dimmer. Ensure Power is OFF.

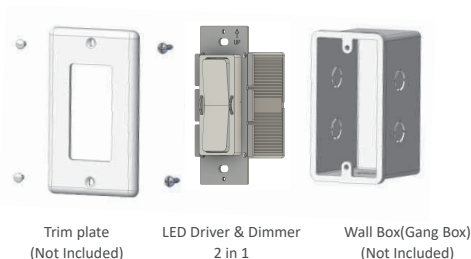
1. Use included voltage partition when installed into a gang box.
2. Use wire rated for at least 300V.
3. Gang box and vertical partition must comply with UL514C article 6 requirements.



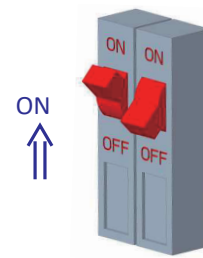
6. Mount Driver & Dimmer Switch to Wallbox and Attach Trim plate

Step 1: Fix the LED driver & dimmer switch on the wall with screws.

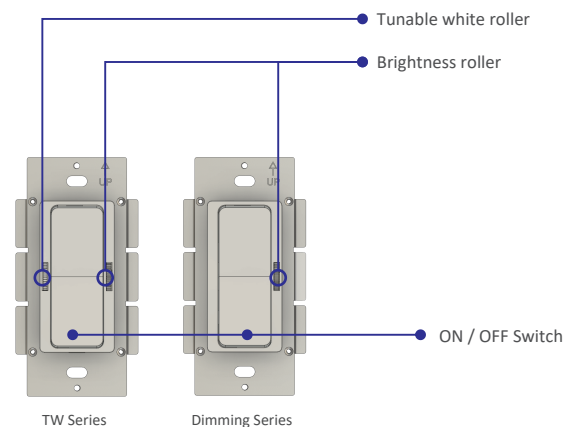
Step 2: Fix the wallplate on the LED driver & dimmer switch.



7. Turn Power On at Circuit Breaker

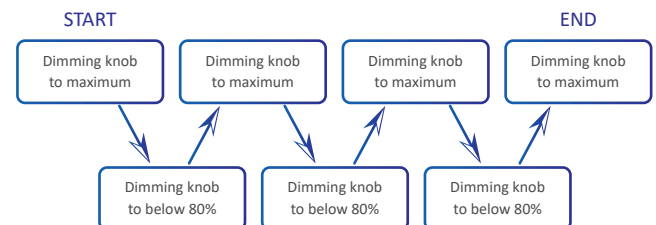


8. Operation and Dimming



9. Reset Method Explanation

1. First Power-On: The power supply will automatically detect and match the 12V/24V load.
2. After identifying the load, it will save the setting to memory (retains memory after power loss). Subsequent operations can proceed with normal power on/off procedures.
3. If changing to a load with a different voltage, perform the following reset operation. Each step must be completed within 1 second; if more than 1 second passes, the process will restart automatically.



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4. After a successful reset, the light will automatically turn off. Please turn off the power within 10 seconds, then remove the load and replace it with another load (Load rated above 6%) .

If the power is not turned off within 10 seconds, the system will automatically recognize the current load again.

Re-power the system to automatically match the 12V/24V load again.

5.