

! IMPORTANT SAFETY GUIDE:

- Install in accordance with national and local electrical code regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- 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 proper 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 an 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.
- Actual color may vary from what is pictured on this sheet and other print materials due to the limitations of photographic processes.
- We reserve the right to modify and improve the design of our products without prior notice. We cannot guarantee to match existing installed products for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.
- This device complies with 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 SwitchLD driver/dimmer units are for use only with constant voltage LED loads within the power range of the driver and that have the same operating voltage as the driver outputs.

SPECIFICATIONS:

Input: 120VAC, 60Hz

Output Table:

Product No.	Output Voltage	Output Power, Channels	Feature
SWDD60W12Vcc	12Vdc, PWM	60W, 1 color	Dimming
SWDD60W24Vcc	24Vdc, PWM	60W, 1 color	Dimming
SWDD96W24Vcc	24Vdc, PWM	96W, 1 color	Dimming
SWDC96W24Vcc	24Vdc, PWM	96W, 2 color	Dimming & CCT Tuning

cc= switch plate color code (WH=White, BK=Black, AL=Almond)

Protection: Short circuit, over-load, over-temperature

Dimming: Brightness from 100% - 0.3% (16kHz PWM)

No Minimum Load Limit

Switching: Single Pole / 3-Way

Compliance: cULus Listed, Class 2

FCC, ICES, ROHS

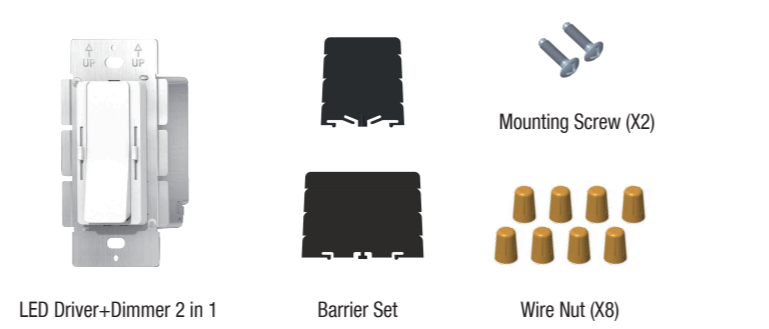
Environment: Dry & damp location / indoor

Ambient Operating Temperature: -40°F to +140°F (-40° to +60°)

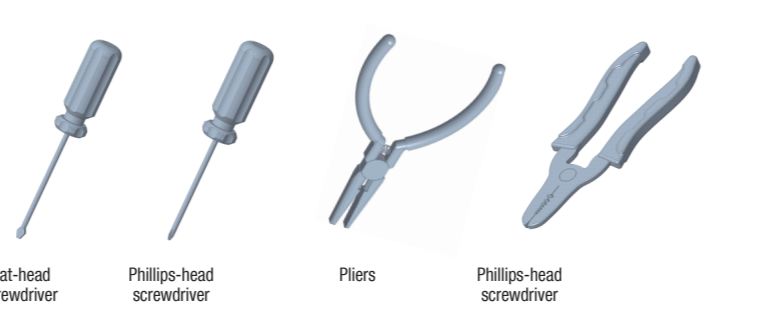
Dimensions: 4.134" x 2.126" x 2.047", (105 x 54 x 52mm)

Warranty: 5 yrs (See GM Lighting Warranty Statement for details.)

Provided Accessories

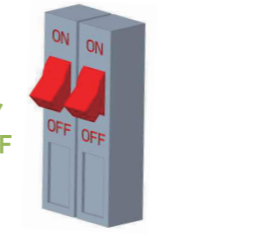


Tools For Install (Not Included)



1. Turn Power Off at Circuit Breaker

- SHOCK HAZARD!
- May result in serious injury or death. Turn power OFF at circuit breaker prior to installation.



2. Determine Location to Install Components

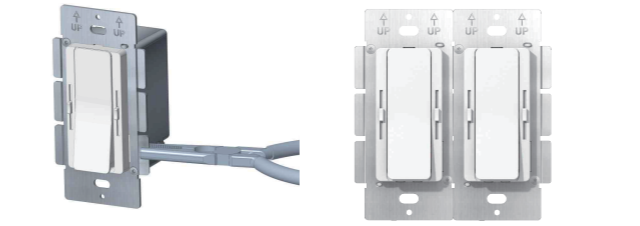


3. Remove Existing Switch (if necessary)

- 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.

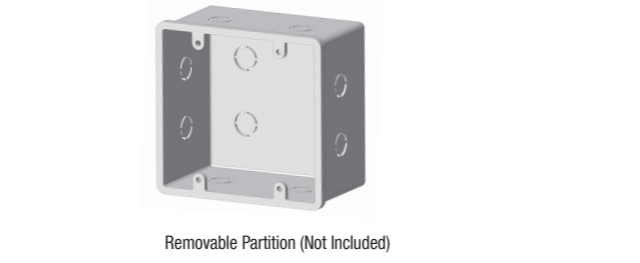
4. Adapt LED Driver and Dimmer (if necessary)

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



NOTE: NO LOAD DERATING

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

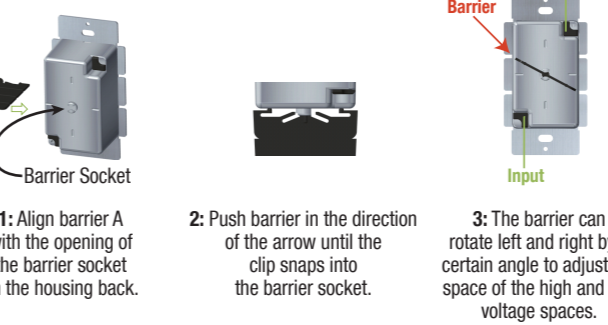


5. Attach Voltage Partition (Barrier)

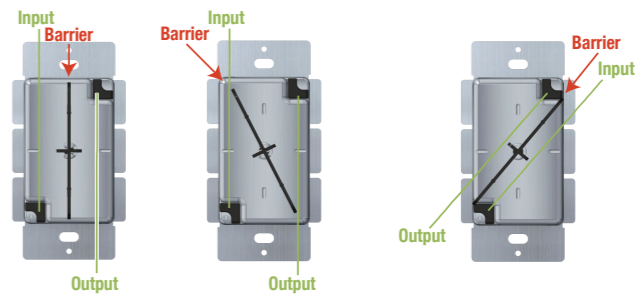
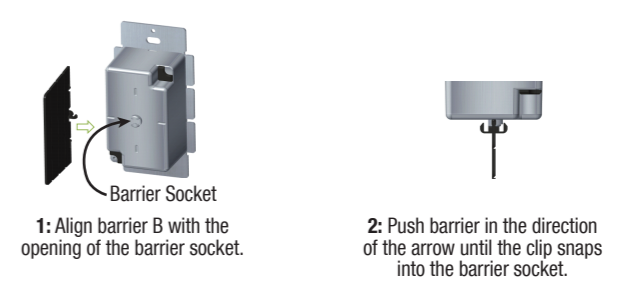
NOTE: NEC Code: Article 725.136
Class 1 and Class 2 circuits In same enclosure must be separated by a barrier unless Class 2 circuits conductors are installed as 120V, Class 1 Circuits. For example, Non-Metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high voltage and low voltage are installed with NM cable then the voltage barrier is not required for installation.



Barrier A installation method:



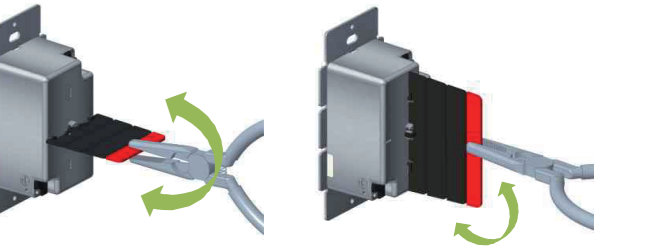
Barrier B installation method:



3: Barrier B is designed for greater flexibility in using junction box wire entry points at various positions. The barrier can be rotated to adjust the space of the high and low voltage spaces.

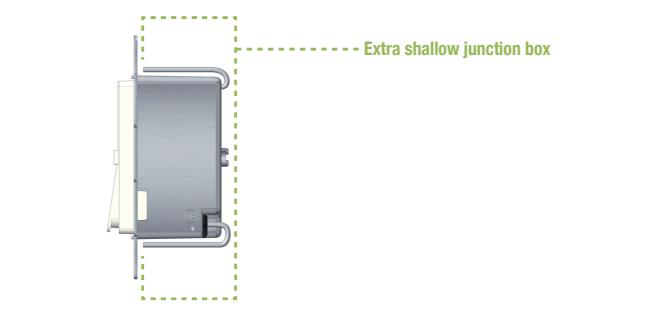
5.1 Shallow Junction Boxes:

For shallow boxes, barrier can be shortened. Remove the barrier from the switch or hold it from bending at the switch body. Only bend the barrier section to be removed. Grip with pliers. Bend back and forth until fin breaks off.



5.2 Extra Shallow Junction 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.



6. Junction Box Wiring: single color output

NOTES: SPECIAL WIRING INSTRUCTIONS

READ INSTRUCTIONS CAREFULLY FOR SPECIAL WIRING STEPS

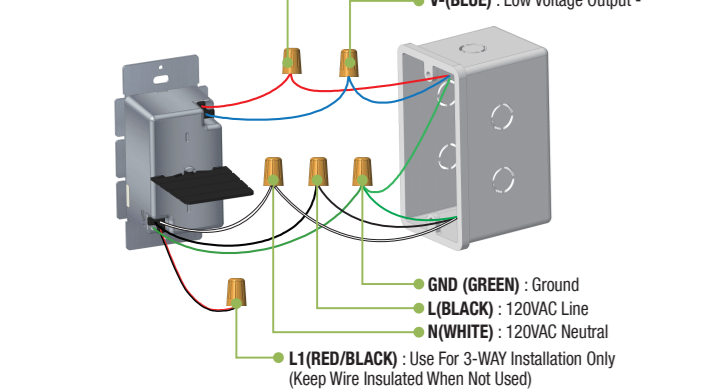
6.1 Strip wires on driver:

Strip all wires on driver and incoming wires to be connected if needed.

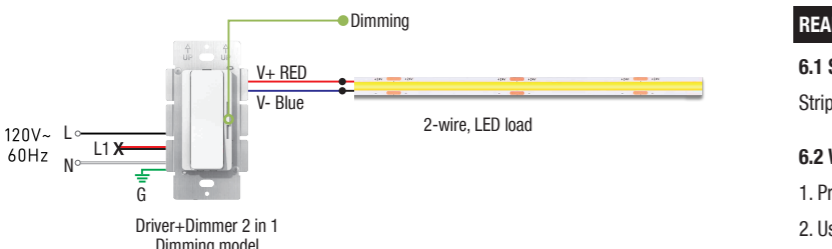
6.2 Wire dimmer. ENSURE POWER IS OFF:

1. Prepare voltage barrier as in Step 5.
2. Use wire rated for at least 300V, 90°C
3. Junction box and vertical partition must comply with UL514C requirements.

Dimming Series

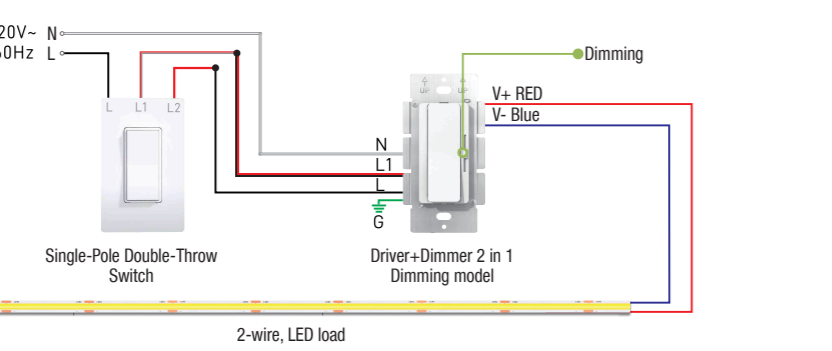


Wiring Diagram: Single pole switch, single color output



Wiring Diagram: 3-way switch, single color output

NOTE: Only one SWD Driver+Dimmer unit can be used in a 3-way circuit



6B. Junction Box Wiring: tunable CCT output

NOTES: SPECIAL WIRING INSTRUCTIONS

READ INSTRUCTIONS CAREFULLY FOR SPECIAL WIRING STEPS

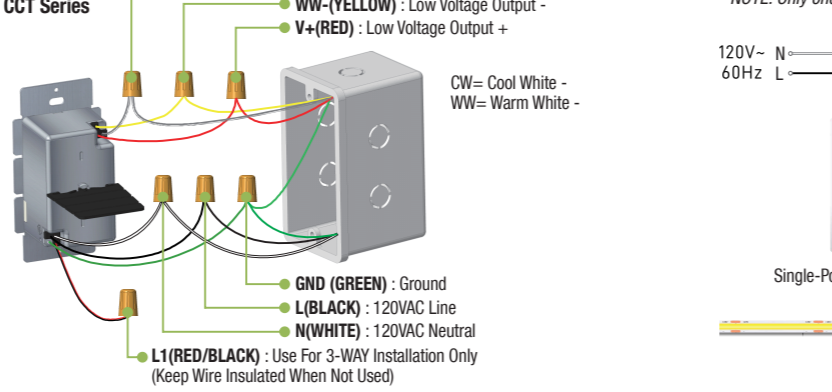
6.1 Strip wires on driver:

Strip all wires on driver and incoming wires to be connected if needed.

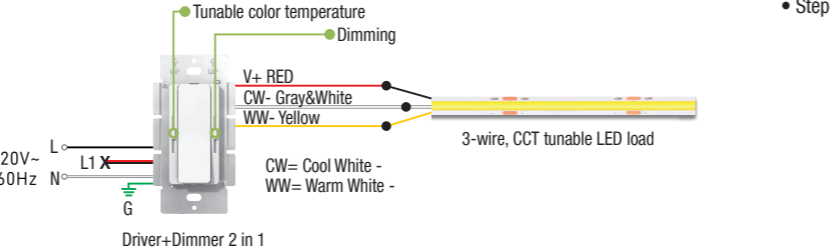
6.2 Wire dimmer. ENSURE POWER IS OFF:

1. Prepare voltage barrier as in Step 5.
2. Use wire rated for at least 300V, 90°C
3. Junction box and vertical partition must comply with UL514C requirements.

Dimming & Tunable CCT Series

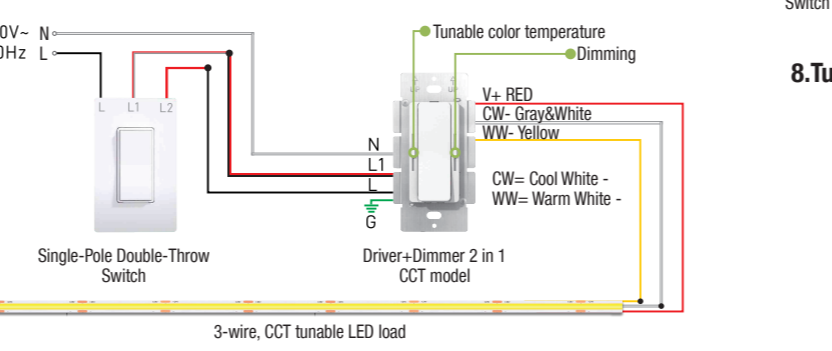


Wiring Diagram: Single pole switch, tunable CCT output



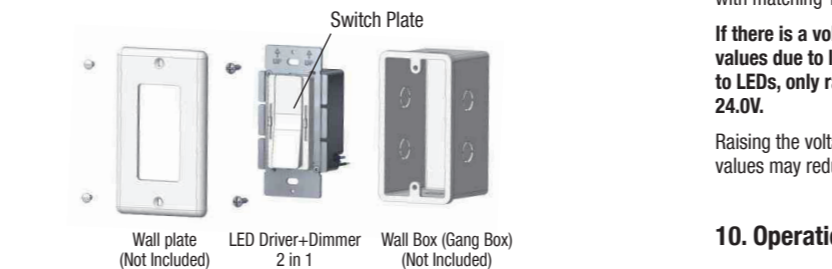
Wiring Diagram: 3-way switch, tunable CCT output

NOTE: Only one SWD Driver+Dimmer unit can be used in a 3-way circuit



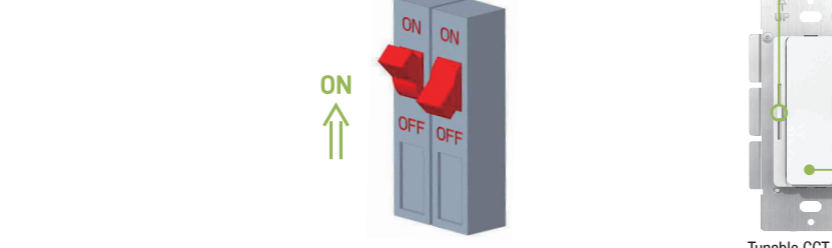
7. Mount Driver+Dimmer Switch to Wallbox and Attach Wall Plate

- Step 1: Fasten the LED driver+dimmer switch on the wall with screws provided.
- Step 2: Fasten the wallplate on the LED driver+ dimmer switch.



NOTE:
Wall plate by others. Switch plate is designed to fit standard decorator wall plates.
Switch plate is not replaceable. Driver+Dimmer ships as one unit with switch plate attached.

8. Turn Power On at Circuit Breaker



9. Output Voltage Adjustment

If needed, test output voltage with a true RMS volt meter. **WARNING:** LEDs should be used with matching 12V or 24V output settings.

If there is a voltage drop below these values due to long distances from driver to LEDs, only raise the voltage to 12.0V or 24.0V.

Raising the voltage above these nominal values may reduce the life of the LED fixture.

10. Operation and Dimming



Installation Instructions

SwitchLD Driver+Dimmer 2 in 1

SWD 1 Channel Dimming Series:

SWD 2 Channel Dimming & Tunable CCT Series:

For Constant Voltage LED Loads

