

## Installation Instructions for 60 Watt 12 Volt DC Power Supply

### GENERAL INFORMATION

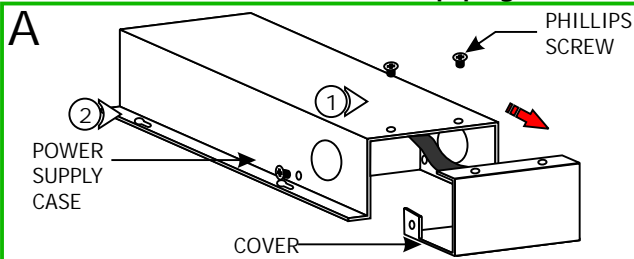
- **RISK OF FIRE:** This product must be installed by a qualified electrician. Turn the power to the electrical box off during installation. Read the "Important Safety Instructions" before installation.
- This product is not suitable for wet locations. It is approved for the use at any height above the finished floor.
- A typical installation is shown. Specific installation must be in accordance with the local electrical codes.
- **TO REDUCE RISK OF FIRE,** it is important to wire the power supply for the system as described in this installation instruction.
- Load the power supply to **MAXIMUM 60** Watts.

**SAVE THESE INSTRUCTIONS!**

### IMPORTANT SAFETY INSTRUCTIONS

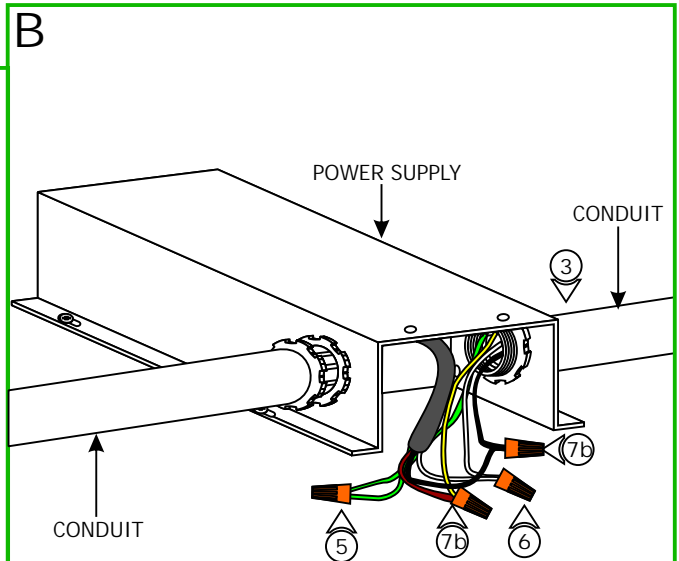
- Do not install this power supply in a wet location.
- To reduce the risk of the system overheating and possibly causing a fire, make sure all the connections are tight.
- Do not install \*LED fixture closer than three inches or as specified in the \*LED fixture installation instructions to curtains or similarly combustible materials. Keep insulation at least 3" away from the enclosure.
- Turn the electrical power off before modifying the lighting system in any way.
- The system is "ETL" listed for USA and Canada only when all the products used are supplied by Edge Lighting.
- For dimming options refer to EDGELIGHTING.COM.
- \* See LED fixture installation instructions for proper placement.

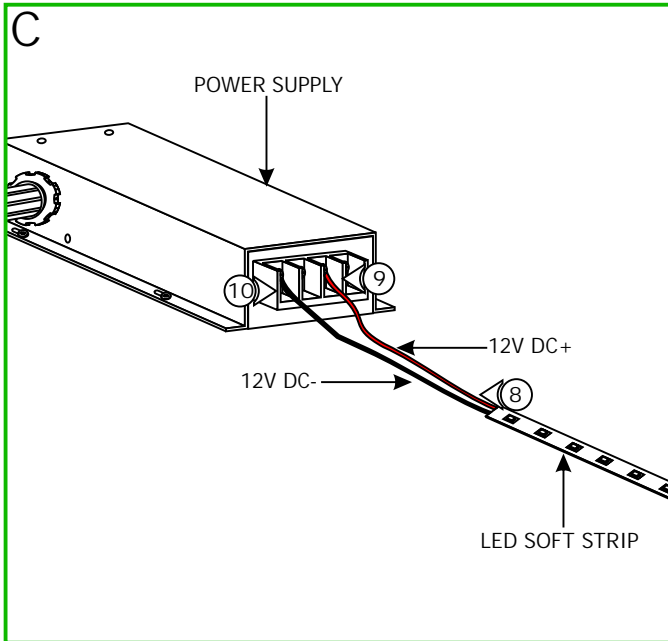
## Install the Power supply



- 1: Loosen and remove the four Phillips screws on the top & sides of the power supply case to remove the cover.
- 2: Secure the power supply case to the desired location with the four #6 screws provided.

- 3: Install conduits from the electrical box panel and the dimmer electrical box (if used) to the power supply case.
- 4: **DO NOT** connect the power wires to the panel at this time.
- 5: Ground the power supply housing in accordance with local electrical codes.
- 6: Connect the neutral power wire to the white power supply wire and the wire going to the neutral of the dimmer with a wire nut.
- 7a: In case of not dimming, connect the hot power wire to the black and brown power supply wire and to the hot switch leg wire with a wire nut (not shown). Refer to the wiring diagram on page 2.
- 7b: In case of dimming, connect the hot power wire to the black power supply wire and the wire connecting to the dimmer hot wire with a wire nut. Connect the brown power supply wire to the switch leg hot wire coming from the dimmer with a wire nut. Refer to the wiring diagram on page 2.





**NOTE:** In order to use small gauge wires from the power supply to the Soft Strip, it is recommended to install the power supply as near as possible to the LED fixture. See "Low Voltage Wire Size Chart" on page below.

8: Use the "Low Voltage Wire Size Chart" below to determine the proper wire size connecting the power supply wires to the LED soft strip wires.

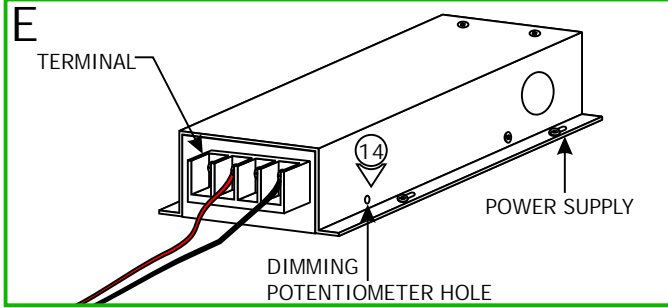
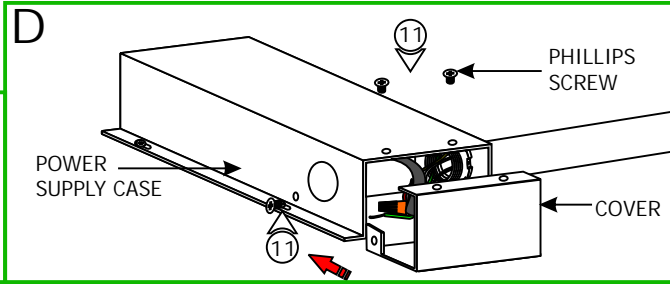
**NOTE:** Maximum length of a single soft strip to be connected to the power supply is 32' for SS1 and 25' for SS3 & SS2P. Maximum total load is 60 watts.

**NOTE:** Use only 12 volt LED soft strip with this power supply.

9: Connect the LED soft strip red wire into the power supply "+V" terminal.

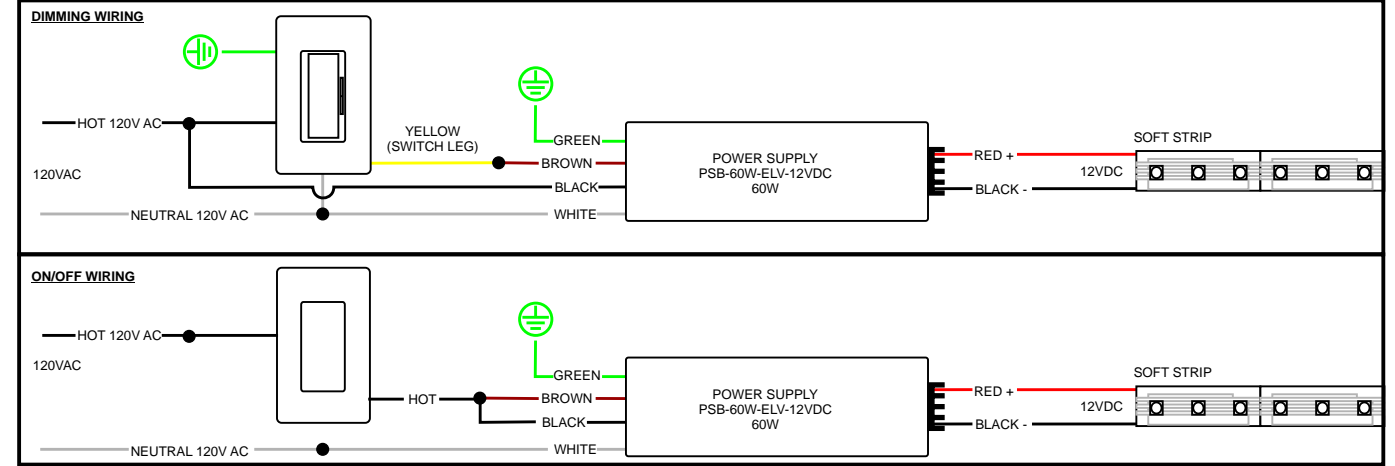
10: Connect the LED soft strip black wire into the power supply "-V" terminal.

- 11: Replace the power supply cover and tighten the four Phillips screws on top & sides of the cover.
- 12: Connect the 120 volt power wires at the panel.
- 13: Turn on the power.



14: In case of dimming, if the soft strip flickers when the dimmer is at the low light level, then the dimming potentiometer needs to be adjusted. While facing the low voltage terminals, remove the round sticker on right side of the power supply to expose the potentiometer. Carefully using a #0 Phillips head screw driver (do not push the screwdriver too much inside the hole which will cause the potentiometer to bend) rotate the potentiometer to increase the light level until the light stops flickering. Replace the sticker.

**Wiring Diagram**



**LOW VOLTAGE WIRE SIZE CHART**

TRANSFORMER WATTAGE	WIRE SIZE FOR UP TO 4 FT	WIRE SIZE FOR 5-6 FT	WIRE SIZE FOR 7-13 FT	WIRE SIZE FOR 14-20 FT	WIRE SIZE FOR 21-34 FT	WIRE SIZE FOR 35-52 FT
60 WATT	#18 GA	#16 GA	#14 GA	#12 GA	#10 GA	#8 GA