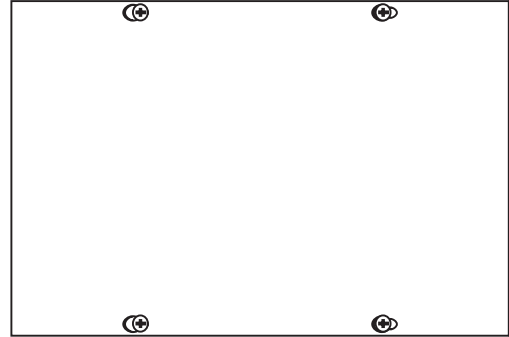


## Installation Instructions for **2 X 96 Watt 24 Volt DC Power Supply with 0-10 Volt Dimming Module**

**SAVE THESE INSTRUCTIONS!**



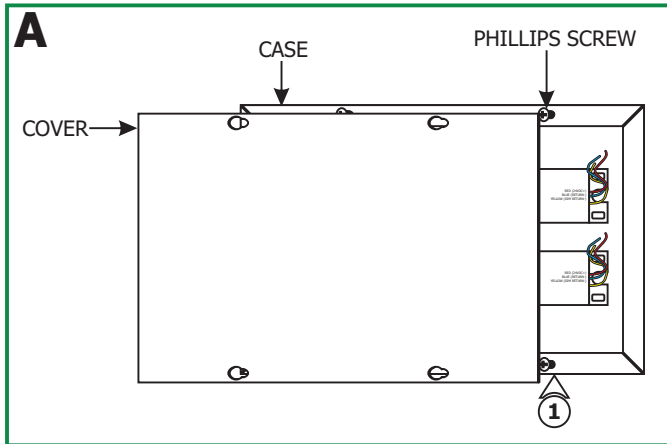
### GENERAL INFORMATION

- **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 each power supply to **MAXIMUM 96** Watts.
- Use Lightolier "ZP600FAM120" 0-10 volt controller to dim the LED soft strip (fixture).

### IMPORTANT SAFETY INSTRUCTIONS

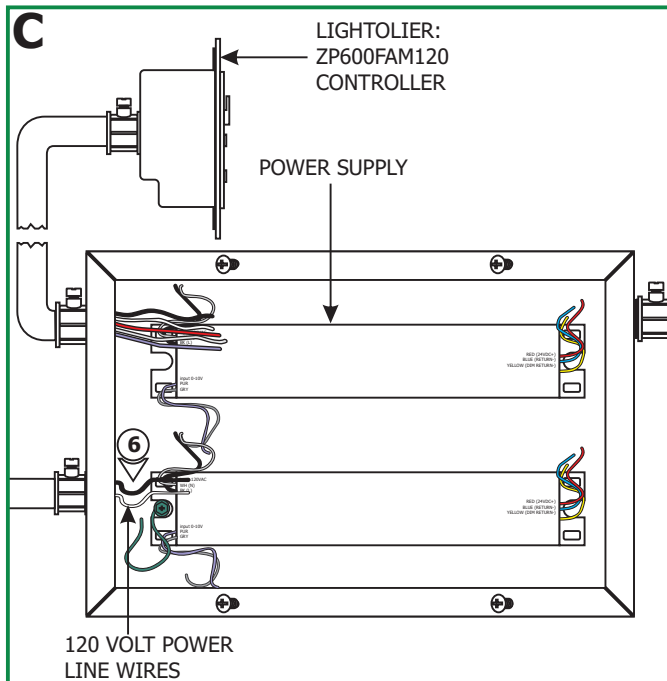
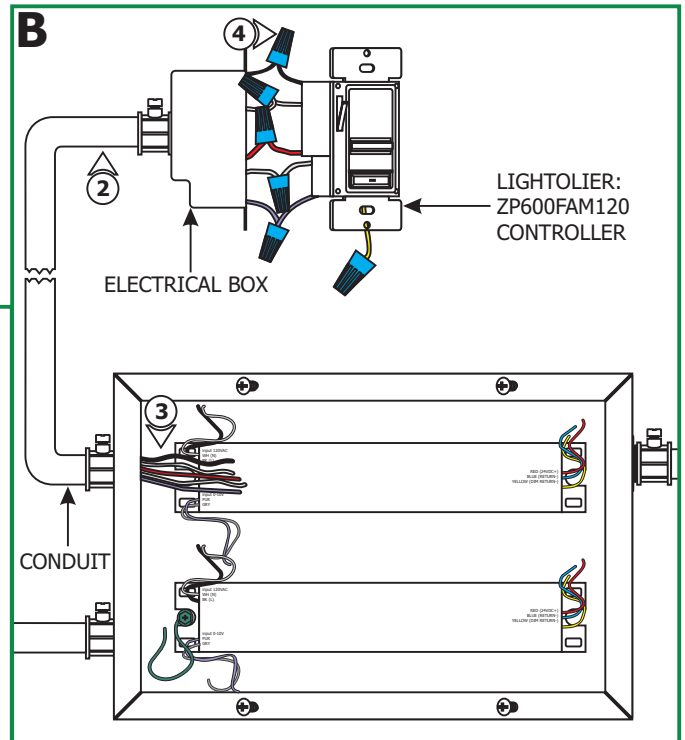
- Do not install this power supply in a wet location.
- To reduce the risk of the system overheating and possibly causing a fire, make sure all the connections are tight.
- Do not install \*LED fixture closer than three inches or as specified in the \*LED fixture installation instructions to curtains 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.
- \* See LED fixture installation instructions for proper placement.

# Install the Power Supply



**1:** Loosen the four Phillips screws on the front of the power supply cover to slide the cover off of the case.

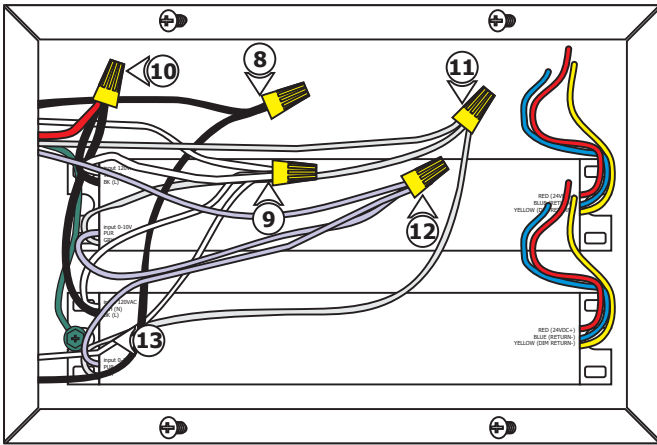
- 2:** Install conduits from the controller electrical box to main panel and soft strip to the power supply case.
- 3:** Run proper wire size and color from the controller (switch) electrical box to the power supply case.
- 4:** Connect the black, white, red, purple, and gray controller wires respectively to black, white, red, purple, and gray wires with a wire nut. The yellow controller wire is not used in this procedure. Cap the yellow controller wire with a wire nut. For three way switching, refer to the instructions provided with the controller.
- 5:** Secure controller to the electrical box.



**6:** Run the 120 volt power line wires from the panel to the power supply case.

**7: DO NOT** connect the power wires to the panel at this time.

**D**



- 8:** Connect the black controller wire to the 120 volt hot power line wire with a wire nut.
- 9:** Connect the white controller wire to the 120 volt neutral power line wire and white wire of each power supply with a wire nut.
- 10:** Connect the red controller wire to the black wire of each power supply with a wire nut.
- 11:** Connect the gray controller wire to gray wire of each power supply with a wire nut.
- 12:** Connect the purple controller wire to each purple wire of each power supply with a wire nut.
- 13:** Make sure the power supply is grounded in accordance with local electrical codes.

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

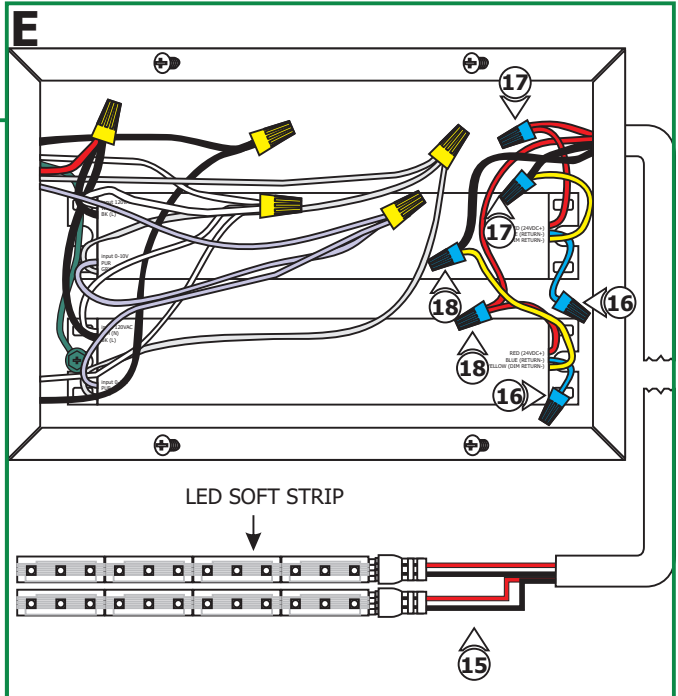
**15:** Run the proper size, red and black wires from the LED soft strip to each power supply case.

**16:** Cap the blue wires with a wire nut, this wire is not used.

**NOTE:** Use only 24 volt Warm White LED soft strip with this power supply.

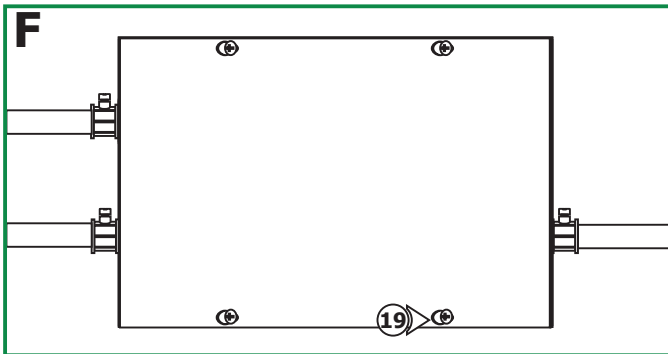
**17:** Connect the red wire of one power supply to the red wire of one LED soft strip run (a group of maximum 96 watt LED soft stripes) with a wire nut. Connect the yellow wire of the same power supply to the black wire of these LED soft stripes.

**18:** Repeat step 16 for the other power supply and the other group of LED soft strips.



**96W, 24VDC LOW VOLTAGE WIRE SIZE CHART**

<b>3% VOLTAGE DROP</b>	<b>WIRE LENGTH IN FT</b>	<b>UP TO 33FT</b>	<b>34FT-52FT</b>	<b>53FT-86FT</b>	<b>87FT-130FT</b>
	<b>WIRE SIZE</b>	14 AWG	12 AWG	10 AWG	8 AWG
	<b>VOLTAGE AT END OF THE WIRE</b>	23.28 VDC	23.29 VDC	23.28 VDC	23.28 VDC



**19:** Replace the power supply cover and secure it by tightening the four Phillips screws.

### Overall Wiring Diagram

