

# Merge 3 Suspension - Canopy

1.0



MERGE

## GENERAL PRODUCT INFORMATION:



This product is suitable for dry locations.

Maximum run length per branch circuit power feed is 80ft.

Maximum run length for low-voltage busbar is 40ft; Multiple 40ft runs may be combined using multiple transformers.

Maximum loading of the low-voltage busbar is 240W (20 AMPS).

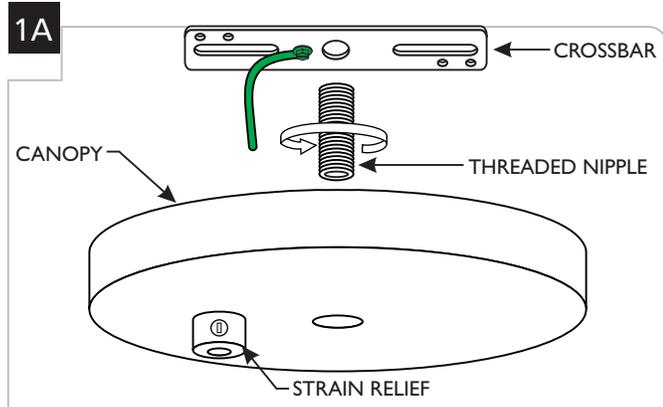
This instruction shows a typical installation.

**CAUTION - RISK OF FIRE**  
 This product must be installed in accordance with the applicable installation code by a person familiar with the construction and operation of the product and the hazards involved.  
**Use minimum 90°C supply conductors.**

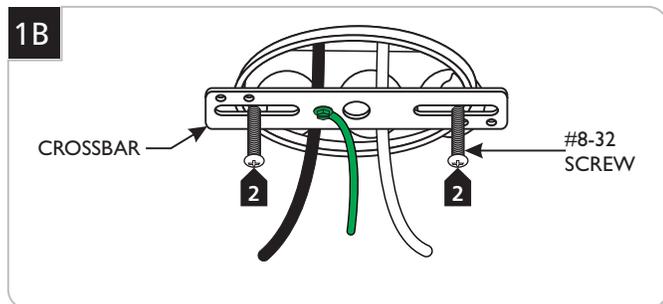
**SAVE THESE INSTRUCTIONS!**

## Install the Canopy

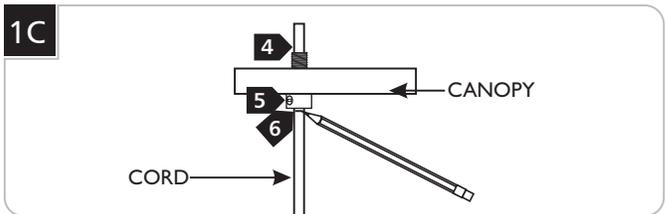
(Line-voltage power and suspension)



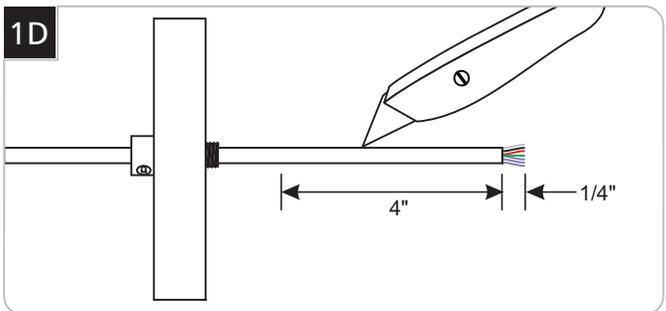
**1** Remove the crossbar from the canopy and separate it from the threaded nipple by completely unscrewing it out.



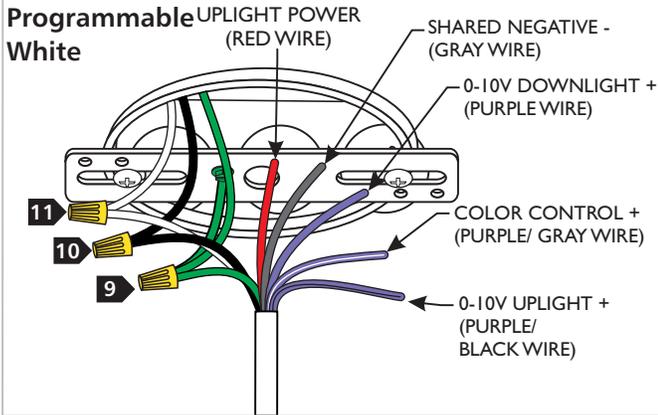
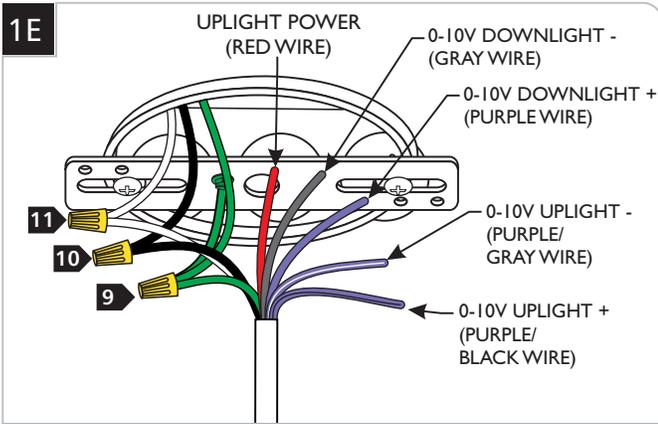
**2** Mount the crossbar assembly to the electrical box with the two provided #8-32 screws.



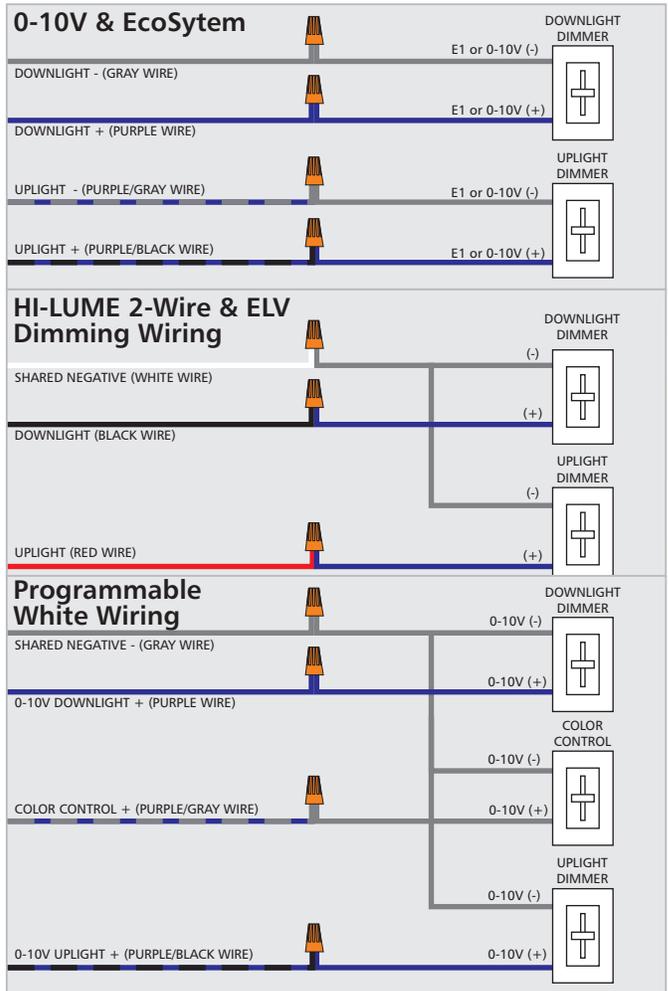
- 3** With the planned height of the fixture in mind, feed the power cord through the strain relief until the desired look is achieved.
- 4** Tighten the set screw on the strain relief.
- 5** Mark the cord underneath the strain relief.



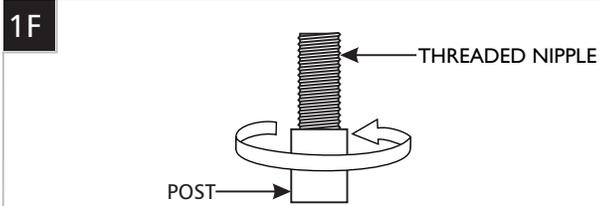
- 6** Leave 6" of the cord behind the canopy for power connections. Cut the excess cord.
- 7** From the end of the cord, strip the insulation 4" using a sharp knife. **Make sure not to nick the inner wires.**
- 8** Strip 1/4" of insulation from the end of the inner insulated wires



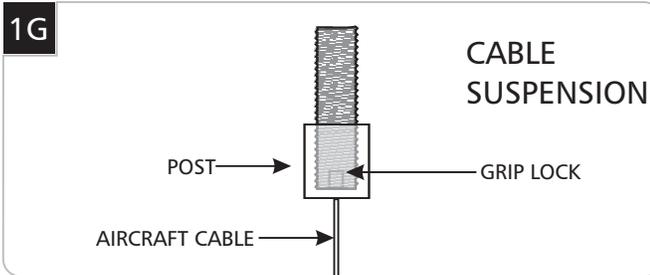
- 9** Connect the crossbar and the fixture ground wire to a suitable ground in accordance with local electrical codes.
- For Fixtures with Downlight:**
- 10** Connect the black fixture wire to the hot downlight power line wire with a wire nut.
- 11** Connect the white fixture wire to the neutral power line wire with a wire nut.
- 12** For fixtures with Uplight: Connect the red wire to the uplight power wire.



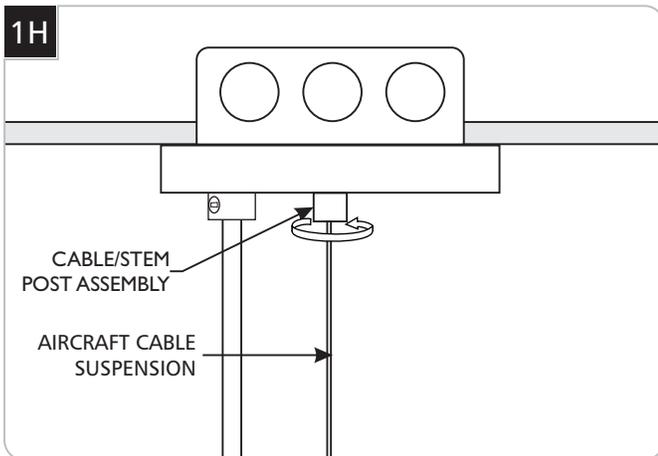
- 13** Connect the dimming wires as shown.
- For Programmable White Option:**
- 14** Use the purple/gray wire as the positive line on the color changing switch.



15 Screw the cable/stem post tightly onto the threaded nipple.



16 For cable suspension only: feed the aircraft cable through the post so that the grip lock is secured inside.

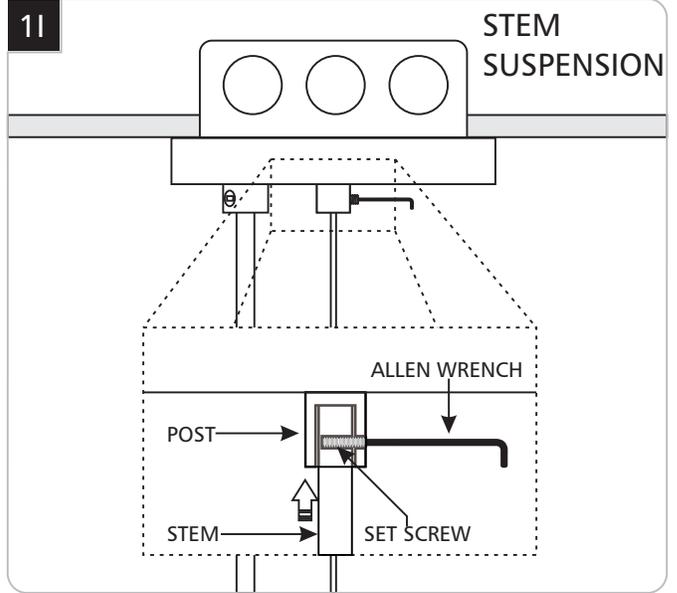


17 Place all wires and wire nut connections properly inside the electrical box in accordance with local electrical codes.

18 Align the canopy center hole with the crossbar center hole.

19 Slide the canopy up against the ceiling and secure it in place by tightening the cable/stem post and threaded nipple assembly tightly into the crossbar.

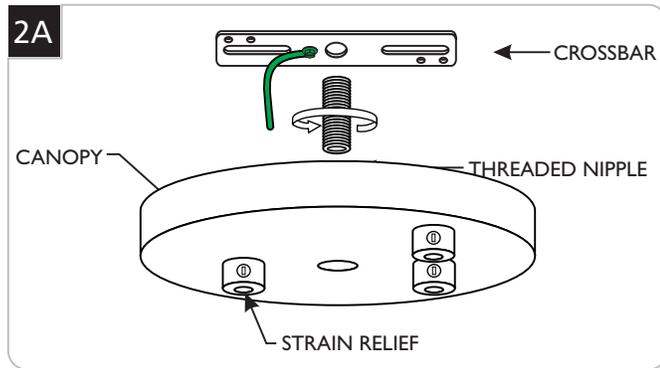
**NOTE:** If shortening the length of the stems, see the fixture instructions.



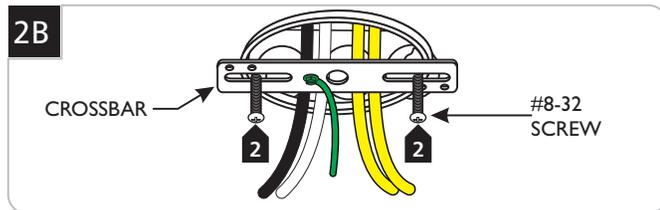
20 For stem suspension only: insert the stem into the post, align the stem hole with the post hole, and install the #6-32 set screw with the 1/16 Allen wrench. Make sure that the set screw is installed completely and tightly into the stem.

# Install the Canopy

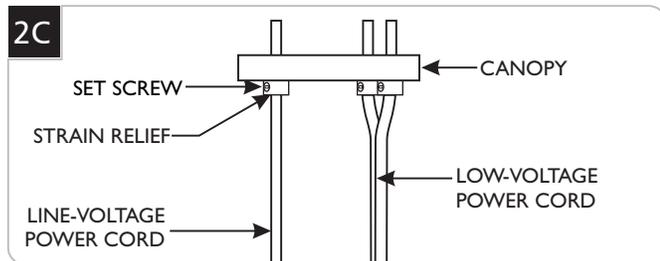
(Line-voltage power cord, low-voltage, and suspension)



- 1 Remove the crossbar from the canopy and separate it from the threaded nipple by completely unscrewing it out.

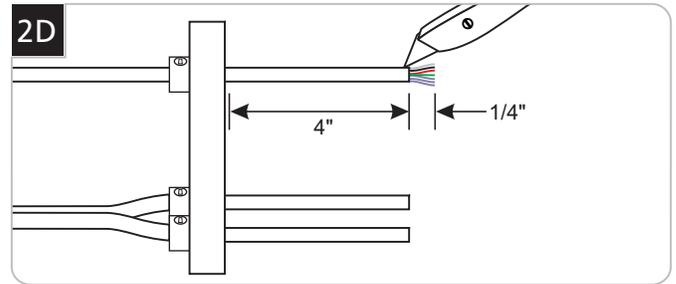


- 2 Mount the crossbar assembly to the electrical box with the two provided #8-32 screws.

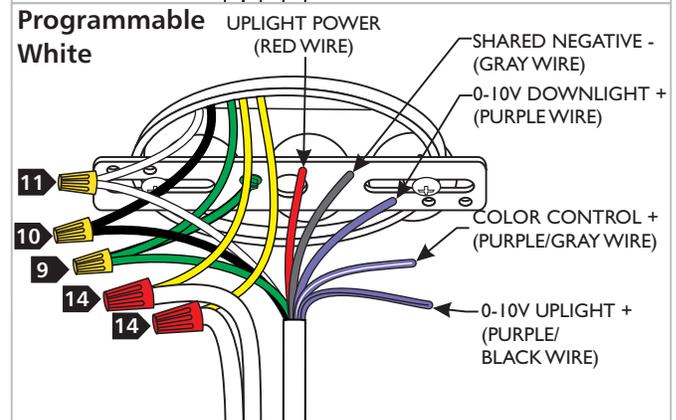
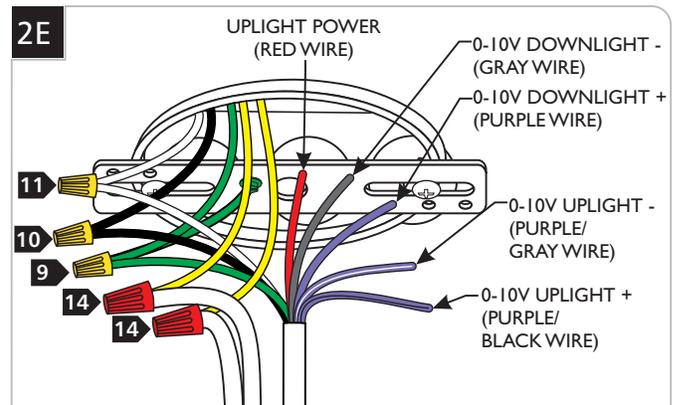


**NOTE:** The power cord does not support the fixture. For a casual "lazy cord" look, cut the power cord several inches longer than the drop height of the fixture.

- 3 Loosen (**Do Not Remove**) the set screws on the strain reliefs.
- 4 With the planned height of the fixture in mind, feed the line-voltage and low-voltage (cord must be split) power cord through the strain reliefs until the desired look is achieved.
- 5 Tighten the set screws on the strain reliefs.



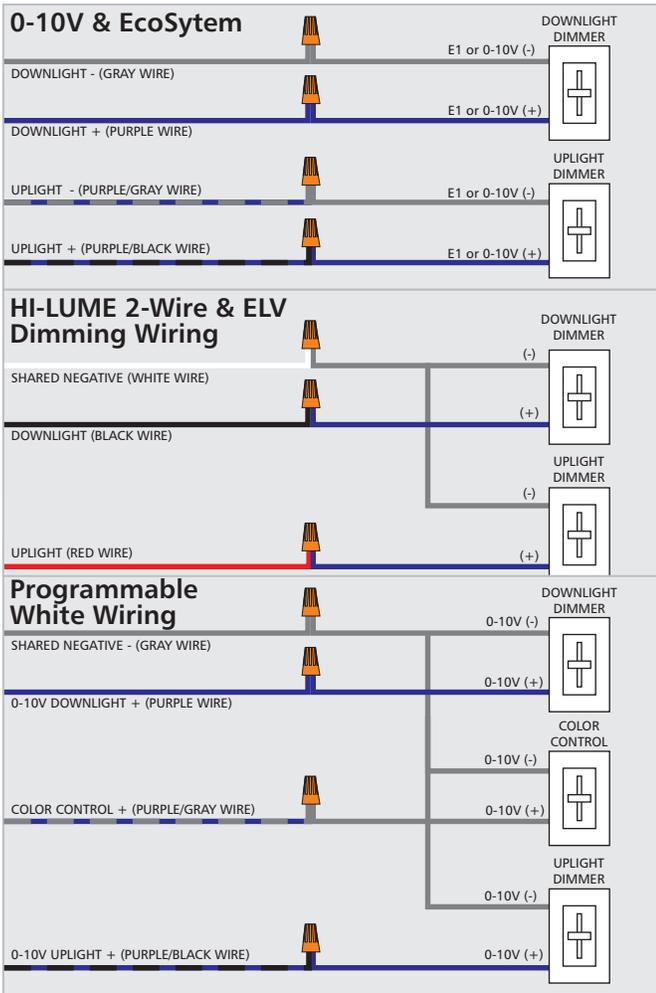
- 6 Leave 6" of the cord behind the canopy for power connections. Cut the excess cord.
- 7 From the end of the cord, strip the insulation 4" using a sharp knife. **Make sure not to nick the inner wires.**
- 8 Strip 1/4" of insulation from the end of the inner insulated wires.



- 9 Connect the crossbar and the fixture ground wire to a suitable ground in accordance with local electrical codes.

### For Fixtures with Downlight:

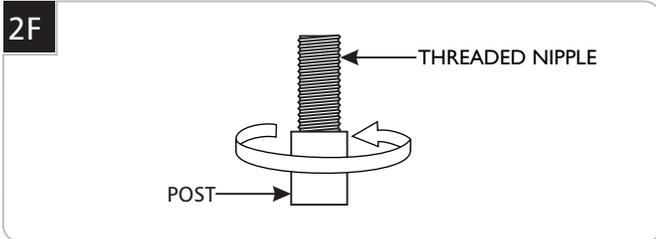
- 10 Connect the black fixture wire to the hot downlight power line wire with a wire nut.
- 11 Connect the white fixture wire to the neutral power line wire with a wire nut.
- 12 **For Fixtures with Uplight:** Connect the red wire to the uplight power wire.
- 13 Connect the fixture's low-voltage wires to the remote transformers low-voltage power lines.



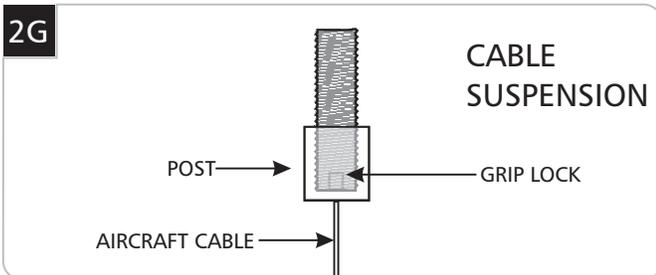
14 Connect the dimming wires as shown.

**For Programmable White Option:**

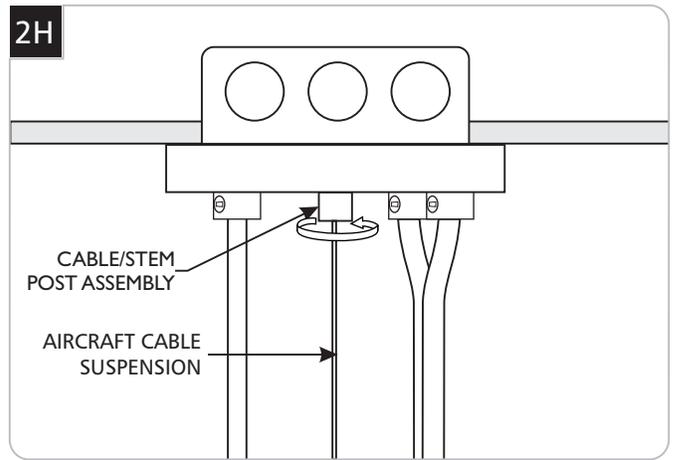
15 Use the purple/gray wire as the positive line on the color changing switch.



16 Screw the cable/stem post tightly onto the threaded nipple.



17 For cable suspension only: feed the aircraft cable through the post so that the grip lock is secured inside.

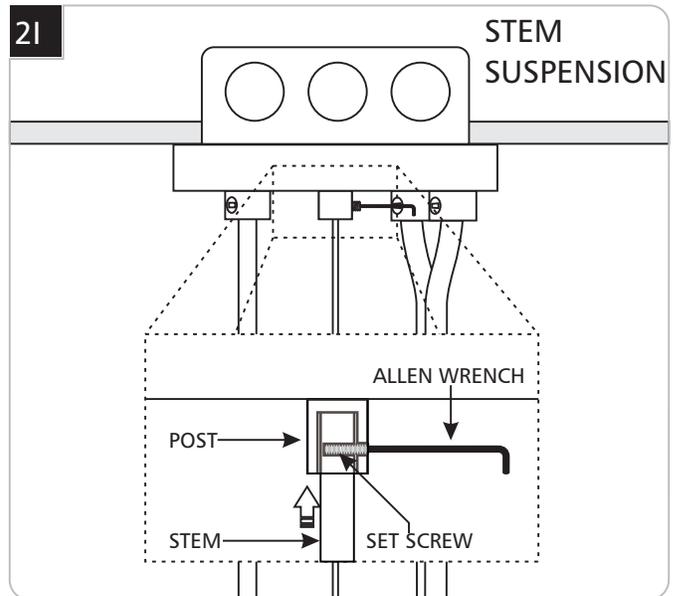


18 Place all wires and wire nut connections properly inside the electrical box in accordance with local electrical codes.

19 Align the canopy center hole with the crossbar center hole.

20 Slide the canopy up against the ceiling and secure it in place by tightening the cable/stem post and threaded nipple assembly tightly into the crossbar.

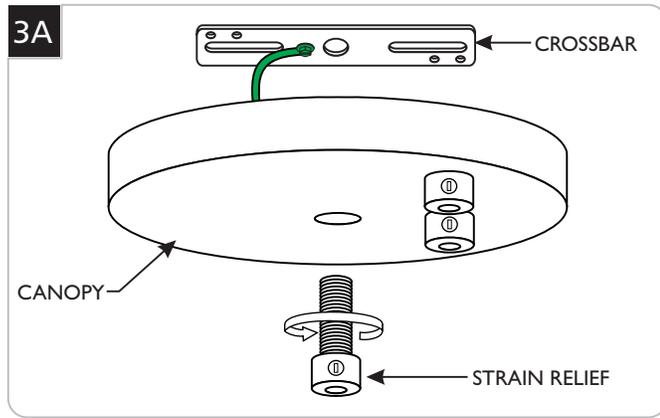
**NOTE:** If shortening the length of the stems, see the fixture instructions.



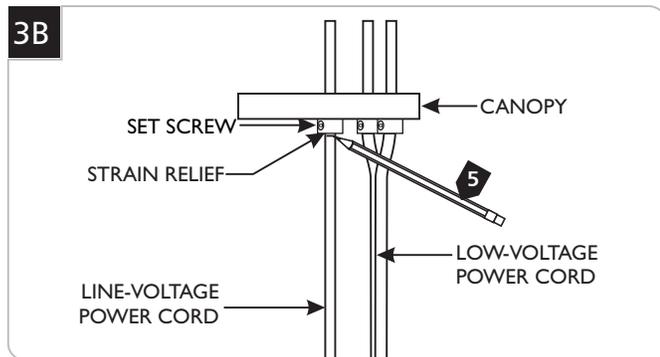
21 For stem suspension only: insert the stem into the post, align the stem hole with the post hole, and install the #6-32 set screw with the 1/16 Allen wrench. Make sure that the set screw is installed completely and tightly into the stem.

# Install the Canopy

(Line-voltage power cord and low-voltage)

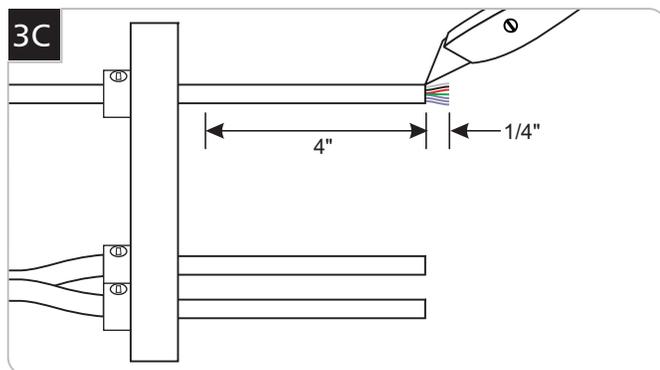


- 1 Remove the crossbar from the canopy and separate it from the threaded nipple by completely unscrewing it out.

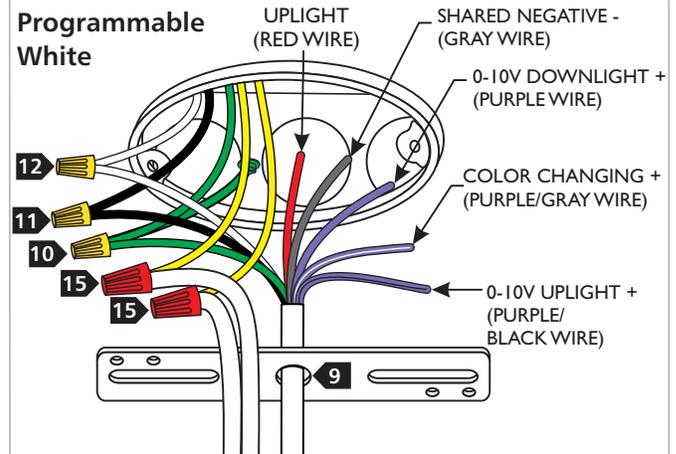
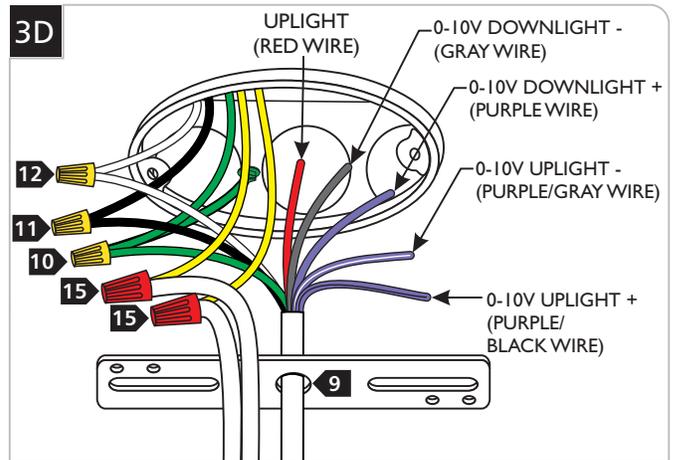


**NOTE:** The power cord does not support the fixture. For a casual "lazy cord" look, cut the power cord several inches longer than the drop height of the fixture.

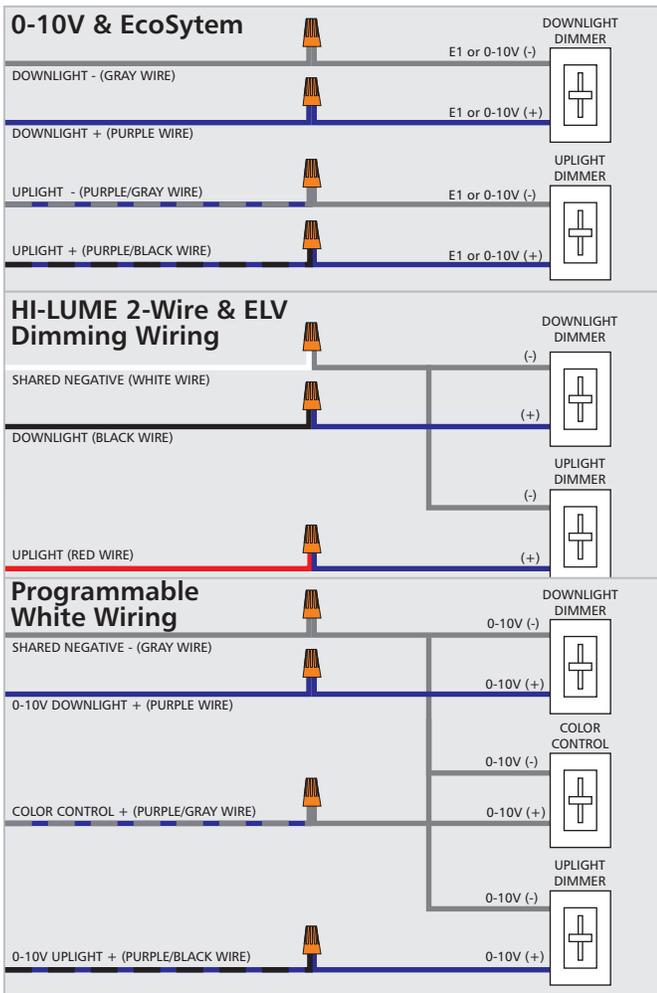
- 2 Loosen (**Do Not Remove**) the set screws on the strain reliefs.
- 3 With the planned height of the fixture in mind, feed the indirect and low-voltage (cord must be split) power cord through the strain reliefs until the desired look is achieved.
- 4 Tighten the set screws on the strain reliefs.
- 5 Mark the cord underneath the strain reliefs.



- 6 Leave 6" of the cord behind the canopy for power connections. Cut the excess cord.
- 7 From the end of the cord, strip the insulation 4" using a sharp knife. Make sure not to nick the inner wires.
- 8 Strip 1/4" of insulation from the end of the inner insulated wires.



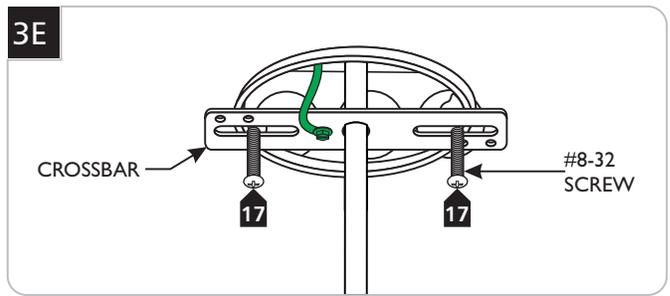
- 9 Feed the power cord through the crossbar.
  - 10 Connect the crossbar and the fixture ground wire to a suitable ground in accordance with local electrical codes.
- For Fixtures with Downlight:**
- 11 Connect the black fixture wire to the hot downlight power line wire with a wire nut.
  - 12 Connect the white fixture wire to the neutral power line wire with a wire nut.
  - 13 **For Fixtures with Uplight:** Connect the red wire to the upright power wire.
  - 14 Connect the fixture's low-voltage wires to the remote transformers low-voltage power lines.



**15** Connect the dimming wires as shown.

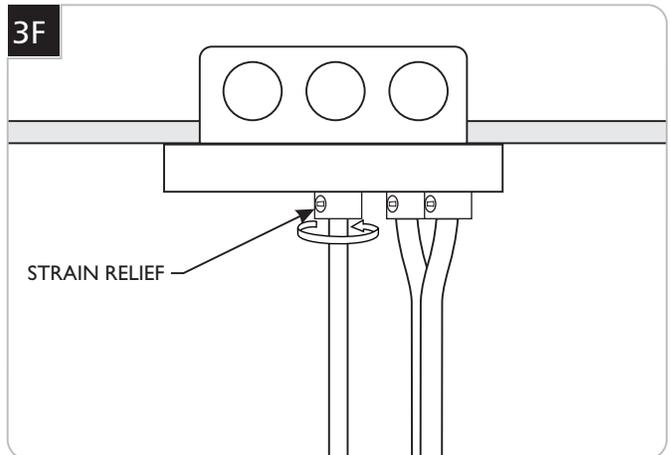
**For Programmable White Option:**

**16** Use the purple/gray wire as the positive line on the color changing switch.



**17** Properly place all wires and wire nut connections inside the canopy in accordance with local electrical codes.

**18** Mount the crossbar assembly to the electrical box with the two provided #8-32 screws.



**19** Place all wires and wire nut connections properly inside the electrical box in accordance with local electrical codes.

**20** Loosen the set screws on the strain reliefs.

**21** Align the canopy center hole with the crossbar center hole.

**22** Slide the canopy up against the ceiling and secure it in place by tightening the primary strain relief into the crossbar. **Do not turn the cord.**

**23** Tighten the plastic set screw to secure the cord.



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