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Installation Instructions for Nova Suspension Downlight with Remote Power and 4" Square or Round Canopy

NS__-4__-__

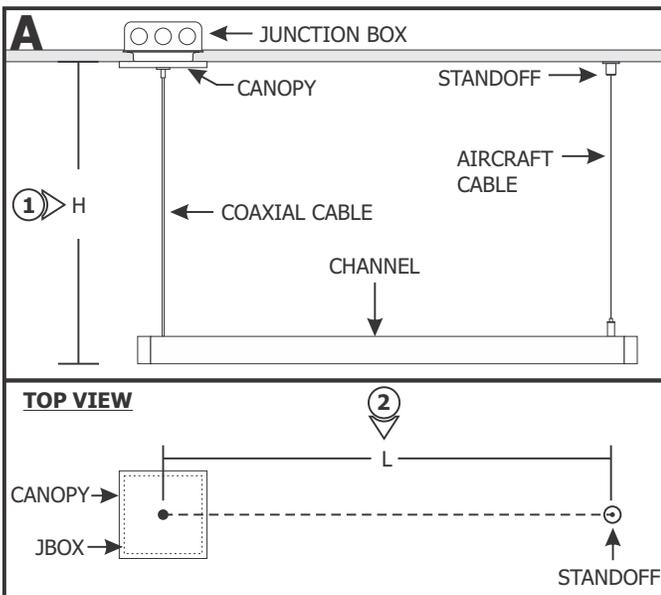
IMPORTANT INFORMATION

- This instruction shows a typical installation.
- It is recommended more than one person to assist in this installation.

SAVE THESE INSTRUCTIONS!



Section One: Install the Standoff



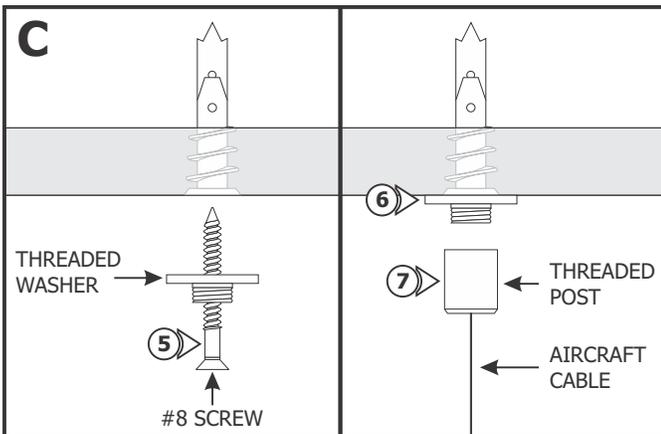
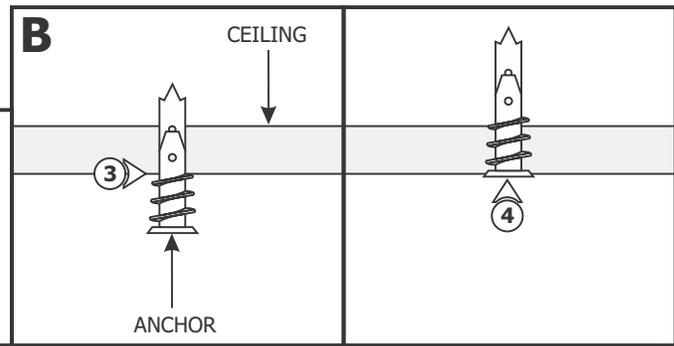
NOTE: Run the proper size wires between the 24VDC power supply to the electrical box. Refer to the instructions provided with the power supply for additional information.

NOTE: Omit Section Five if the channel is made out of a single piece.

- 1: Determine the fixture height (H) from the bottom of the channel to the top of the canopy.
- 2: Determine the fixture length (L). Measure the distance between the coaxial cable and the aircraft cable on the channel. Mark the standoff location on the ceiling from the center of the junction box.

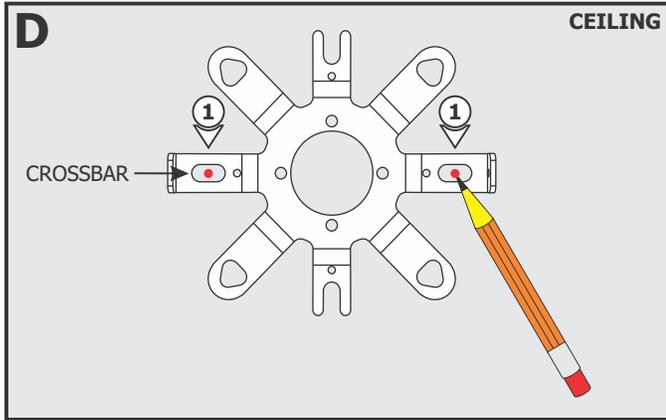
NOTE: Omit steps 3 through 7 if using support canopy. Refer to Section Two: Install the Support Canopy.

- 3: For each provided standoff, tap the anchor onto the marked location up to the threaded portion with a hammer.
- 4: Screw in the threaded portion of the anchors with a Phillips screwdriver.



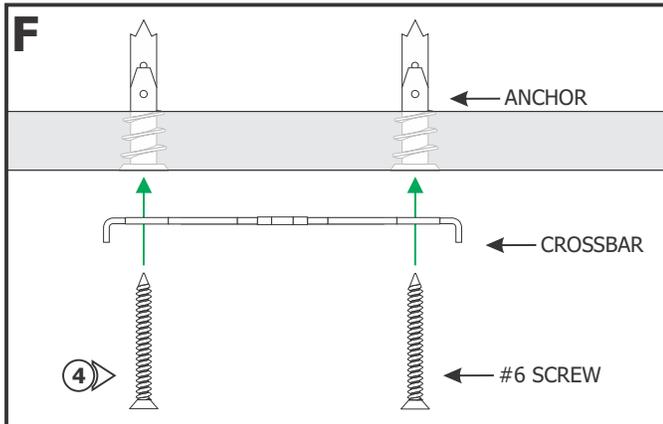
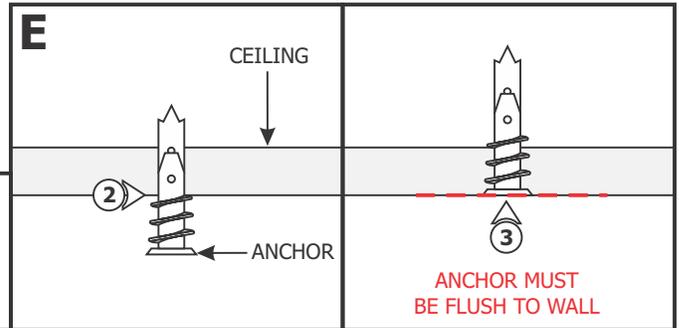
- 5: Feed the #8 screw through the threaded washer.
- 6: Tighten the #8 screw completely into the anchor.
- 7: Feed the aircraft cable through the threaded post. Tighten the threaded post completely onto the threaded washer.

Section Two: Install the Support Canopy



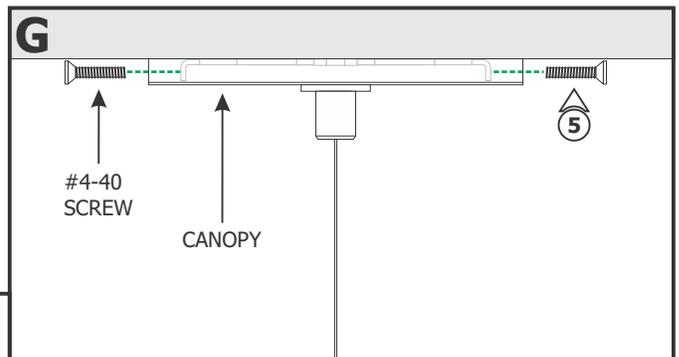
1: Mark the points through the crossbar holes onto the ceiling. These points are used for the anchors.

2: Tap the anchors onto the marked points up to the threaded portion with a hammer.
3: Screw in the threaded portion of the anchors with a Phillips screwdriver.

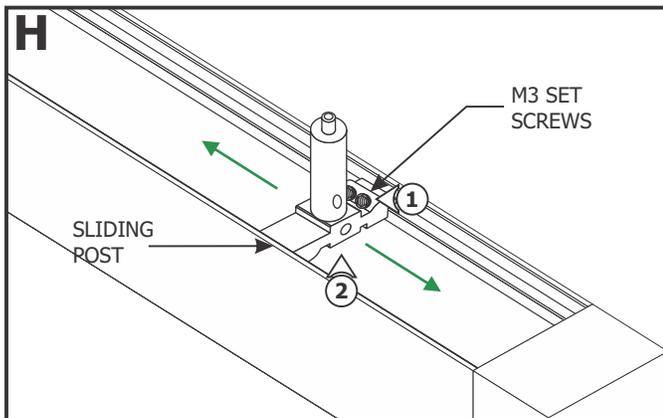


4: Secure the crossbar to the anchors using the two #6 screws.

5: Align the canopy with the crossbar and secure it using the two #4-40 screws using a 1/16" Allen wrench.



Section Three: Adjust the Sliding Post

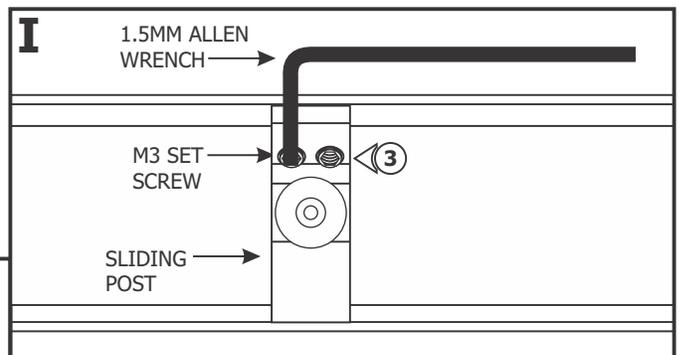


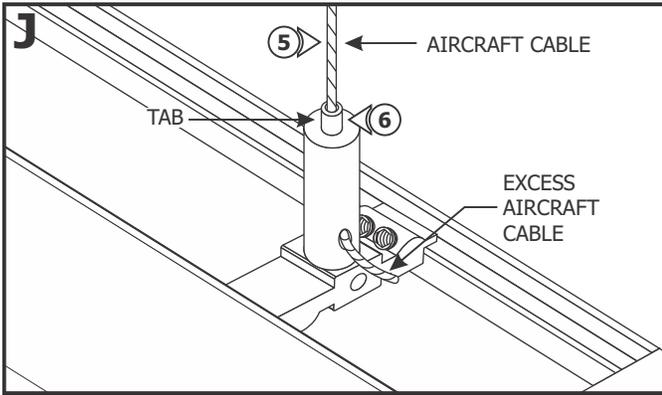
1: If the fixture is provided with additional supports in the middle of the channel then loosen (**Do Not Remove**) the two M3 set screws on the sliding post with a 1.5mm Allen wrench.

2: Adjust the position by moving the sliding post across the channel.

3: Tighten the two M3 set screws.

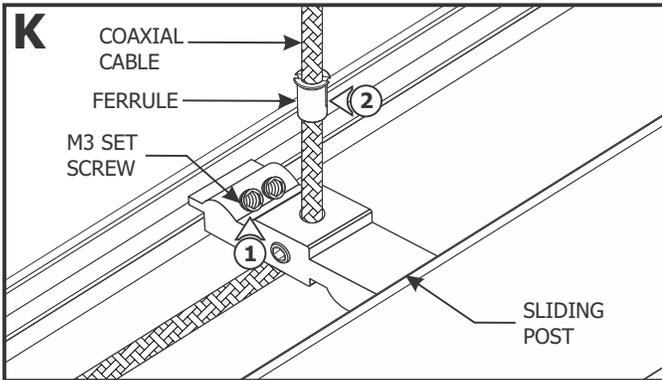
4: Repeat steps 1 through 3 for the remaining standoffs.





- 5:** For each standoff or support canopy, insert the aircraft cable through the top of the tab on the sliding post.
- 6:** Adjust the height of the fixture by pushing the tab and pulling the aircraft cable out of the side of the sliding post. Release the tab to secure the cable in place.

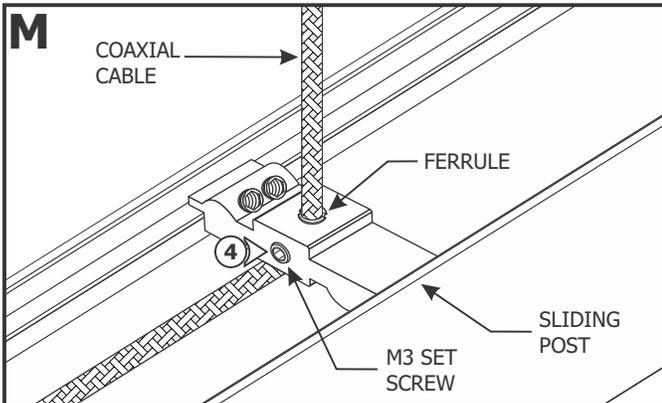
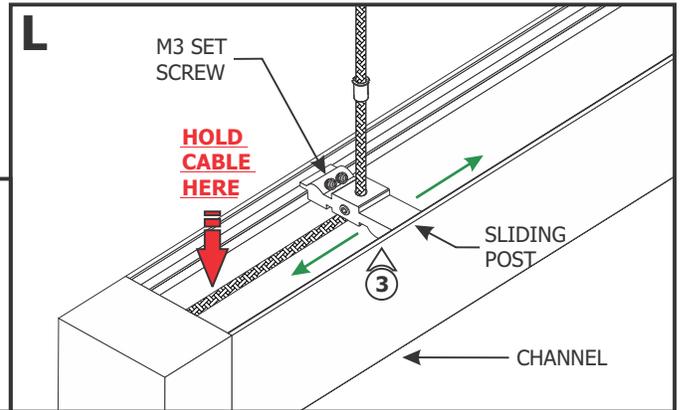
Section Four: Power the Fixture



- 1:** Loosen (**Do Not Remove**) the M3 set screws on the sliding post with a 1.5mm Allen wrench.
- 2:** Slide the ferrule out of the sliding post using a pair of needle-nose pliers.

WARNING: To avoid damaging the coaxial cable electrical connection, make sure that the end of the coaxial cable coming out of the fixture is held with thumb before relocating sliding post.

- 3:** Adjust the position by moving the sliding post across the channel. Tighten the M3 set screws with a 1.5mm Allen wrench.

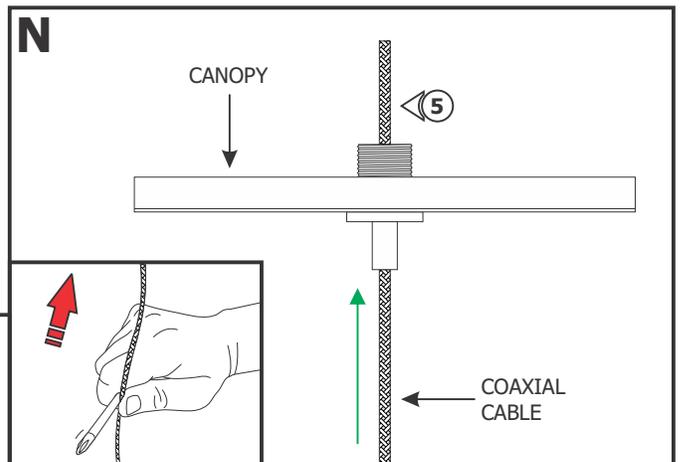


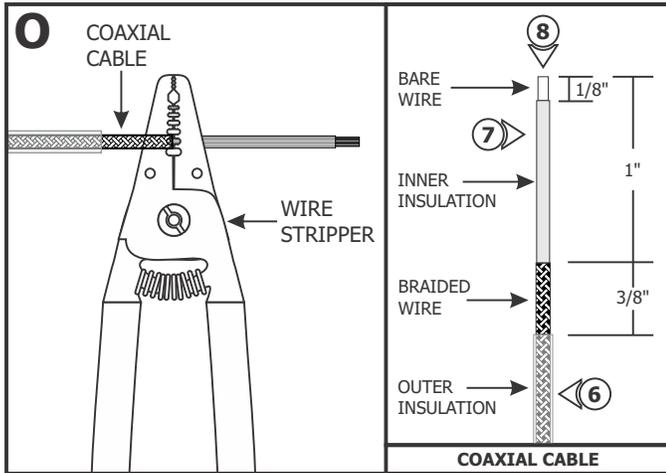
CAUTION! Tightening the ferrule set screw **CANNOT BE REVERSED**. Only tighten the set screw **AFTER** the cable location is set properly.

- 4:** Insert the ferrule back inside the sliding post and tighten the M3 set screw on the side of the sliding post with a 1.5mm Allen wrench.

- 5:** Feed the coaxial cable through the canopy.

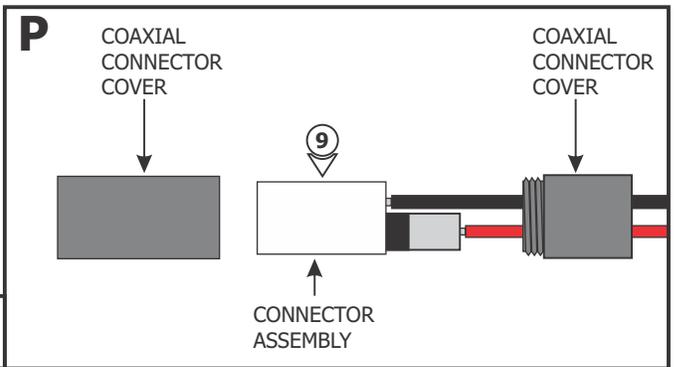
NOTE: If cable is curled or kinked, straighten by holding between the shaft of a screwdriver and thumb and pulling the cable through (see inset).



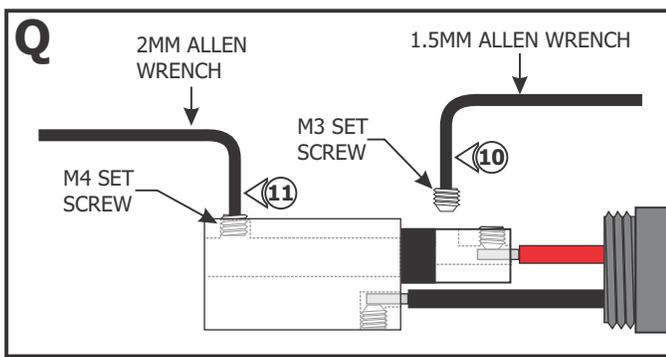


 **NOTE:** Scan the QR Code to watch the video clip of the following steps or visit http://www.edgelighting.com/videos/cxc_connector/

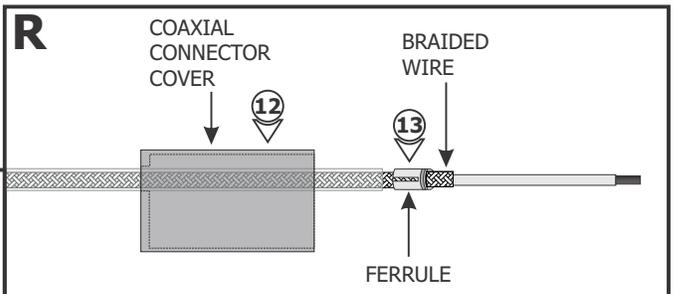
- 6:** Use the 18AWG hole of the wire stripper to remove 1-3/8" of the outer insulation to expose the braided wire.
- 7:** Use the 18AWG hole of the wire stripper to remove 1" of the braided wire making sure not to nick the inner wire insulation.
- 8:** Use the 20AWG hole of the wire stripper to remove 1/8" of the inner insulated wire.



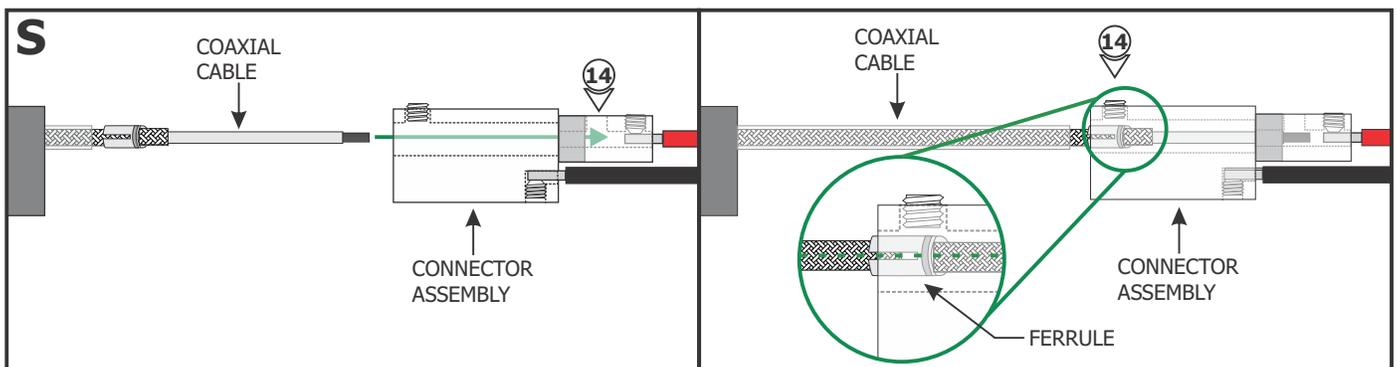
9: Unscrew the coaxial connector covers and remove from the connector assembly.



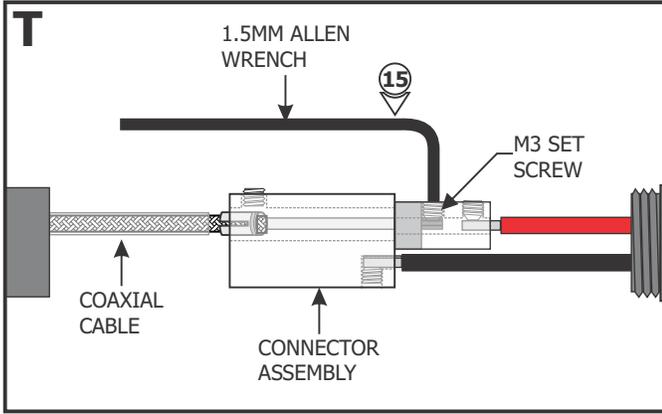
- 10:** Using the provided 1.5mm Allen wrench, remove the M3 set screw from the coaxial connector assembly.
- 11:** Using the provided 2mm Allen wrench to loosen (**Do Not Remove**) the M4 set screw.



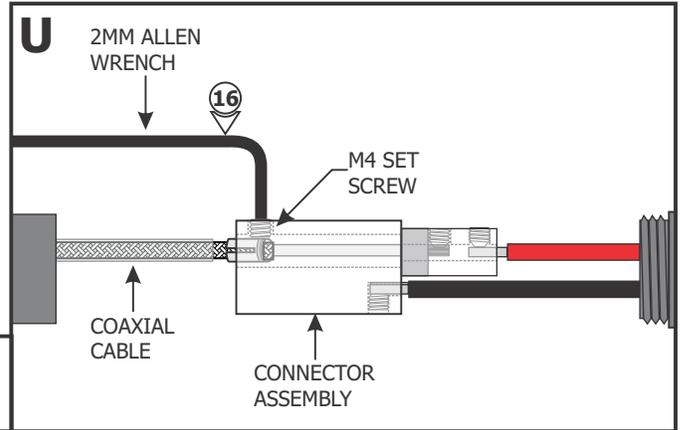
- 12:** Slide the connector cover over the coaxial cable.
- 13:** Place the ferrule over the 3/8" braided wire of the coaxial cable.



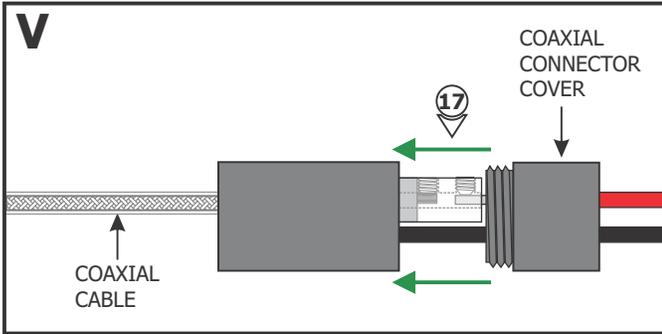
- 14:** Insert the coaxial cable into the coaxial connector until the wires of the center conductor are visible through the M3 set screw hole.
- NOTE:** Ensure that the split in the ferrule is aligned 90° from the M4 set screw (see inset).



15: Use the provided 1.5mm Allen wrench to replace and securely tighten the M3 set screw.



16: Use the provided 2mm Allen wrench to securely tighten the M4 set screw until it squeezes the wire ferrule tightly to the coaxial cable.

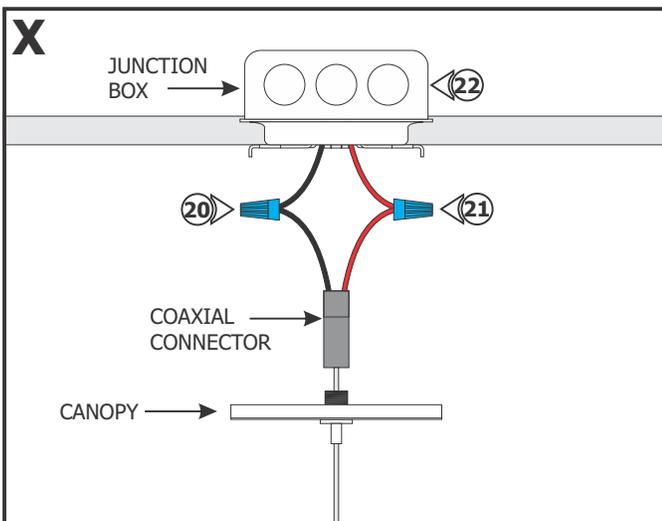
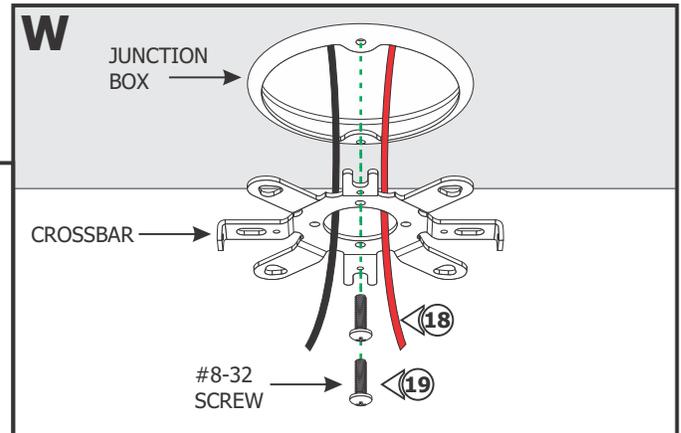


17: Replace the coaxial connector cover and tighten into place.

NOTE: Ensure remote power supply wires are present in the junction box. Refer to instructions provided with the power supply.

18: Feed the low voltage wires from the power supply through the crossbar center hole.

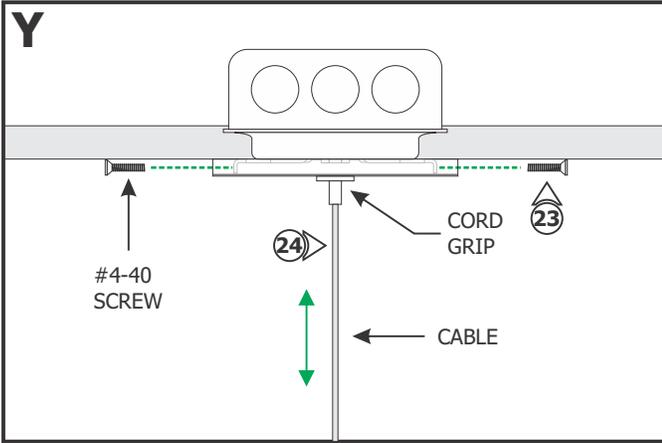
19: Mount the crossbar to the junction box holes with two #8-32 screws.



20: Connect the black wire of the coaxial connector to the -24VDC power supply wire with a wire nut.

21: Connect the red wire of the coaxial connector to the +24VDC power supply wire with a wire nut.

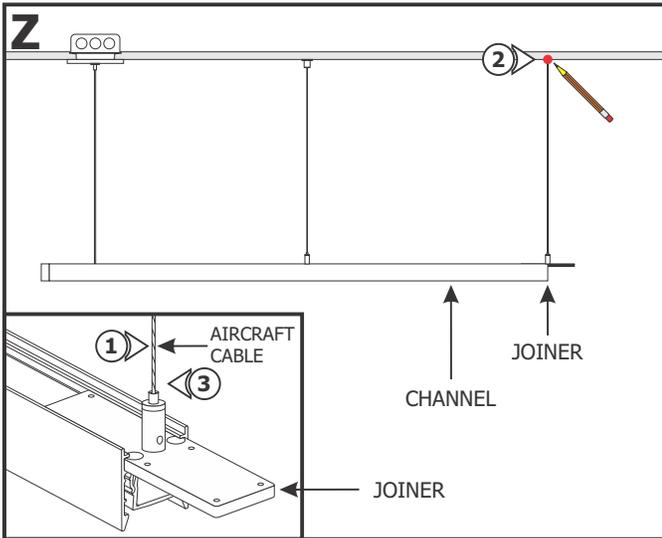
22: Place all connections inside the junction box.



23: Align the canopy with the crossbar and secure it using the two #4-40 screws using a 1/16" Allen wrench.

24: Adjust the fixture height by pushing the cord grip to slide the fixture up and down until the desired height is achieved. Release the tabs to lock the coaxial cables in place.

Section Five: Connecting Channel Sections



NOTE: If applicable, multiple channels must be installed one by one.

NOTE: Omit this section if the joiner did not come with the fixture depending on the overall fixture length.

NOTE: Omit steps 1 through 10 if the joiner did not come with aircraft cable depending on the overall fixture length.

1: Insert the aircraft cable through the top of the tab on the joiner.

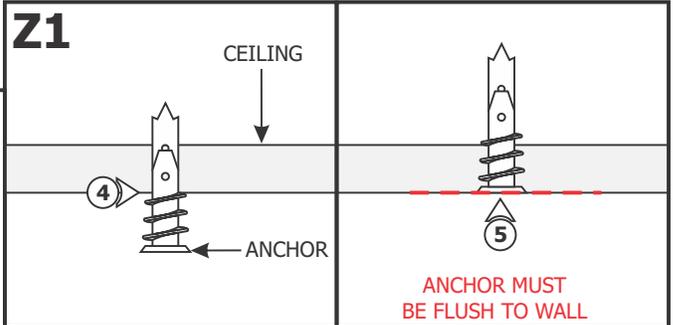
2: Lift the other end of the aircraft cable against the ceiling to mark the location of the standoff.

3: Push the tab on the joiner and remove the aircraft cable.

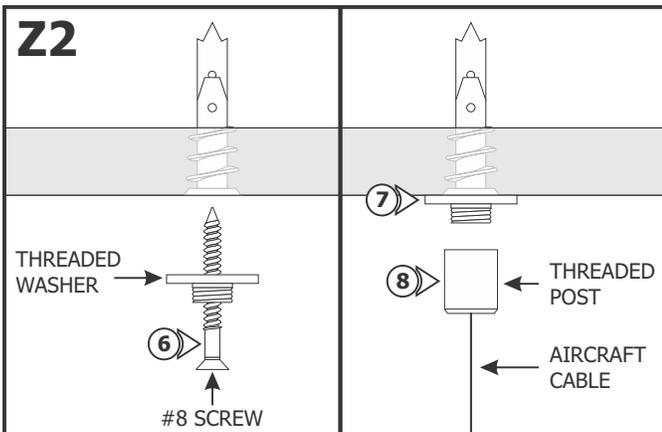
NOTE: Omit steps 4 through 8 if using support canopy. Refer to Section Two: Install the Support Canopy.

4: Tap the anchors onto the marked points up to the threaded portion with a hammer.

5: Screw in the threaded portion of the anchors with a Phillips screwdriver.



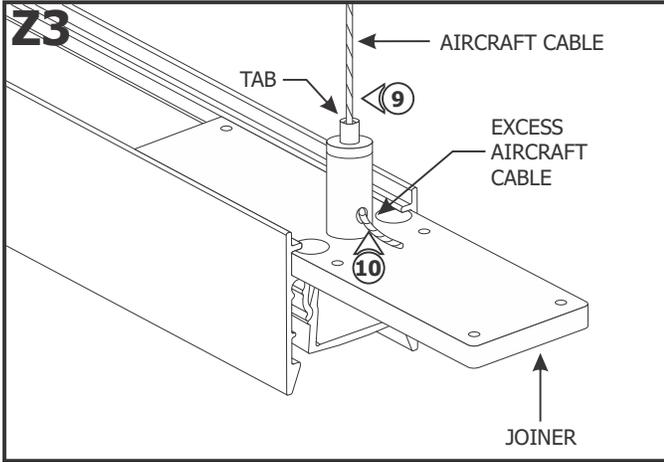
ANCHOR MUST BE FLUSH TO WALL



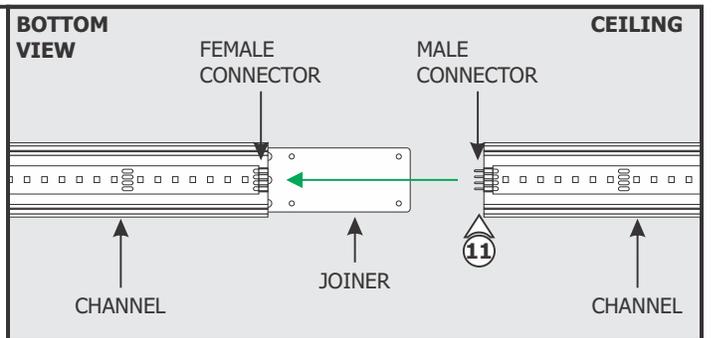
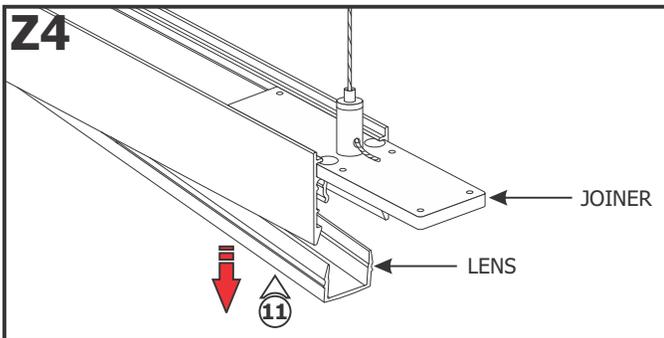
6: Feed the #8 screw through the threaded washer.

7: Tighten the #8 screw completely into the anchor.

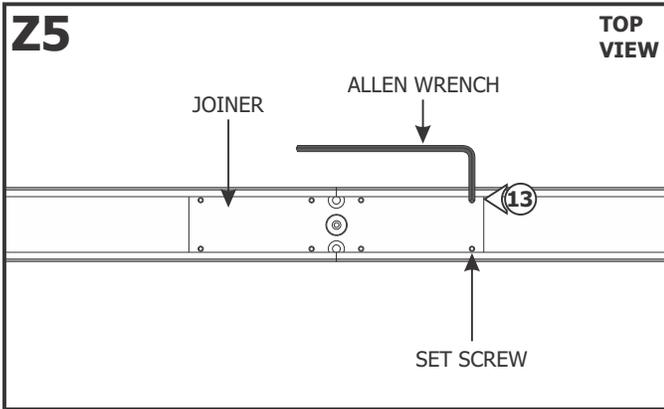
8: Feed the aircraft cable through the threaded post. Tighten the threaded post completely onto the threaded washer.



- 9:** For each standoff or support canopy, insert the aircraft cable through the tab on the joiner.
- 10:** Adjust the height of the fixture by pushing the tab and pulling the aircraft cable out of the side of the joiner. Release the tab to secure the cable in place.

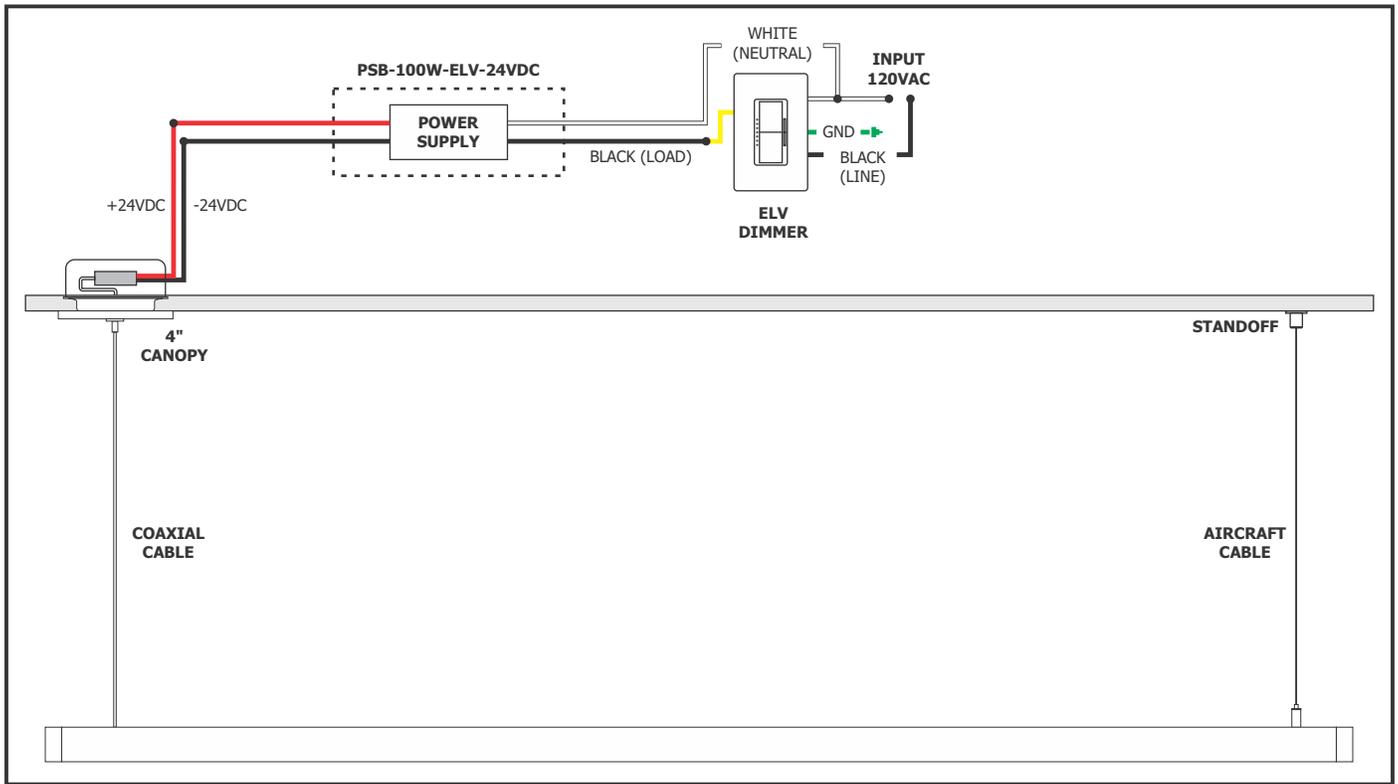


- 11:** Lift a section of the lens at the end of the channels where the connectors are visible. Slide the channel over the joiner and ensure the male & female connectors mate properly.
- 12:** Push the lens back into the channel.



- 13:** Tighten the eight #4-40 set screws using the 0.05" Allen wrench.
- 14:** Refer to Sections One or Two to install remaining standoffs and continue to connect additional channels one at a time until the fixture is complete.

General ELV Wiring Diagram



General 0-10V Wiring Diagram

