

ModernRail Chandelier 2 with Surface Transformer

700MDCH_S 1.0



GENERAL PRODUCT INFORMATION:

These fixtures are intended to be installed utilizing NEC compliant junction boxes.



This product is dimmable with a low-voltage electronic dimmer.

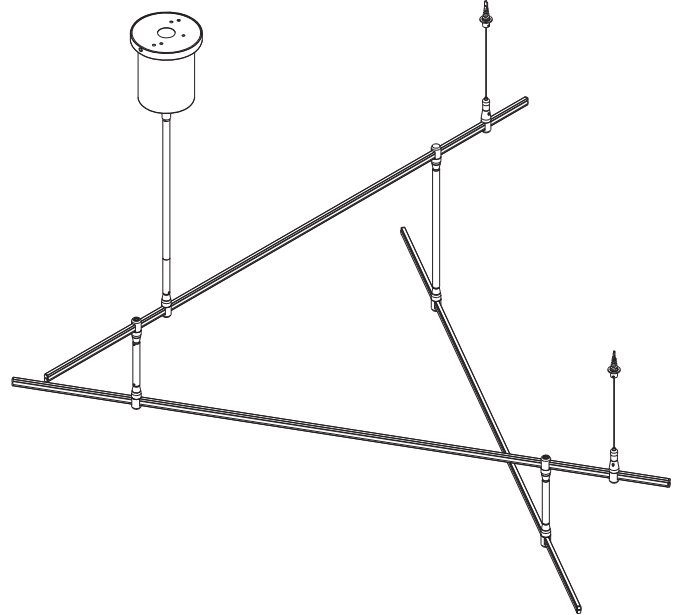
This product is suitable for dry locations only.

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.

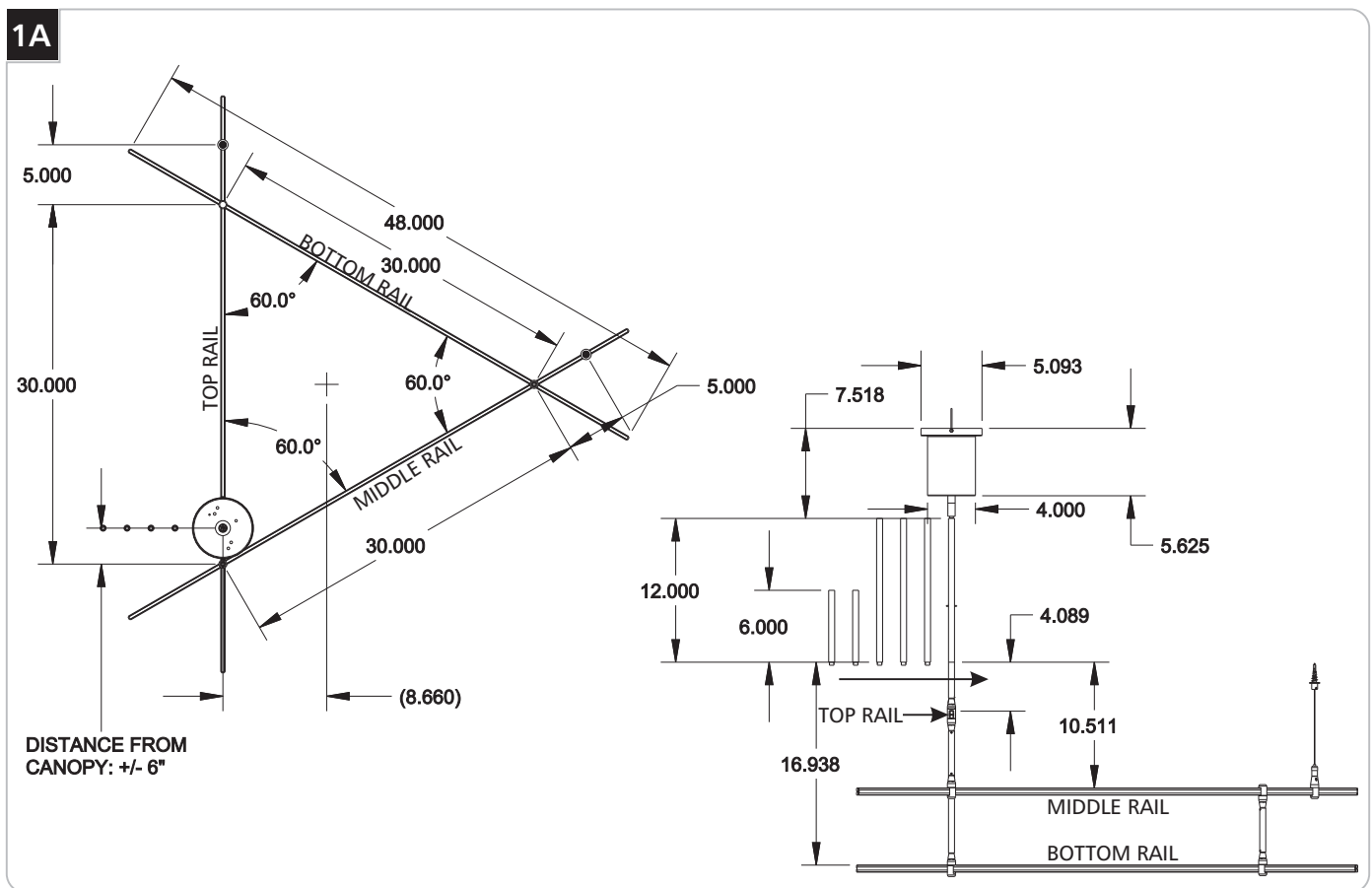
Use minimum 90°C supply conductors.



Two Person Installation Recommended

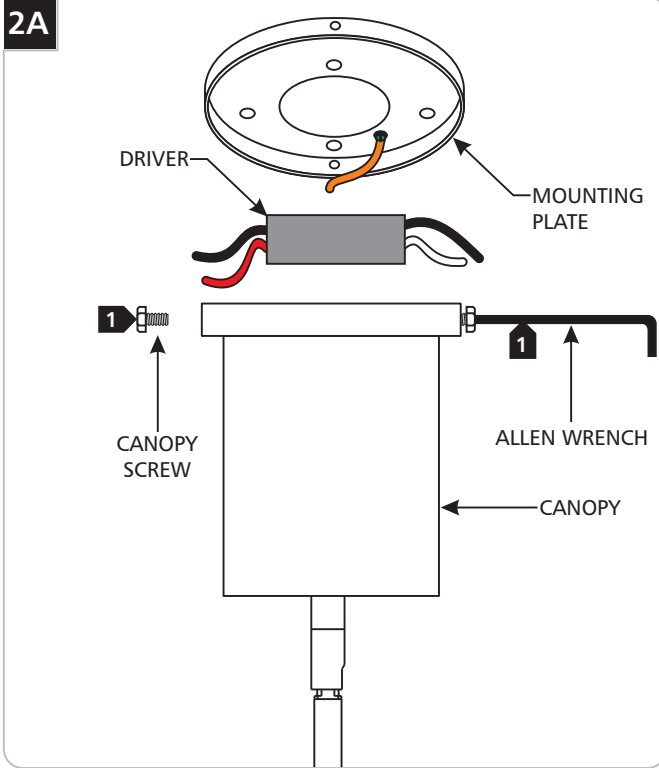
Prepare for Installation

1A

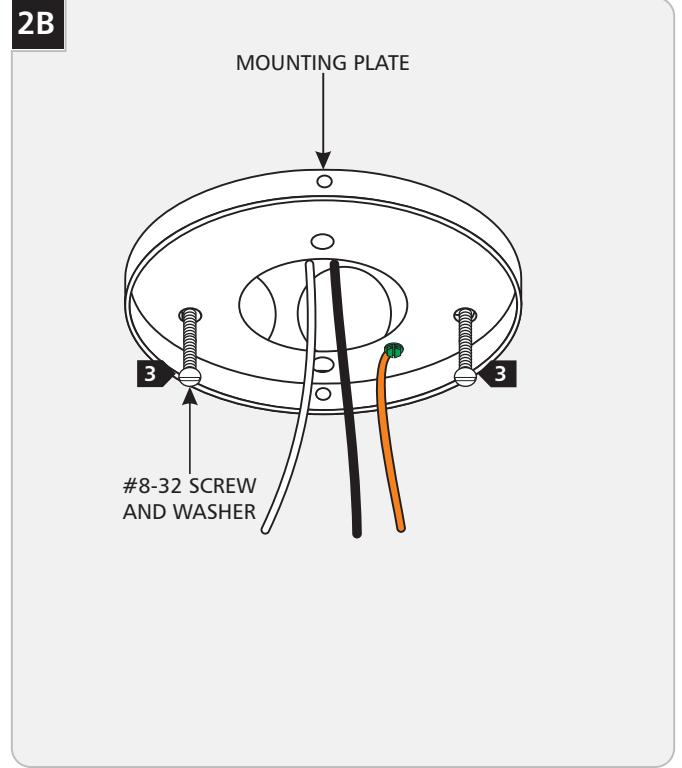


- Determine the desired location of the fixture and center the power feed canopy location to the junction box.
- Use the provided diagram to determine locations of the aircraft cable posts onto the ceiling.
- Standoffs and connectors feature adjustability. The diagrams above may be used as reference.

Install the Mounting Plate



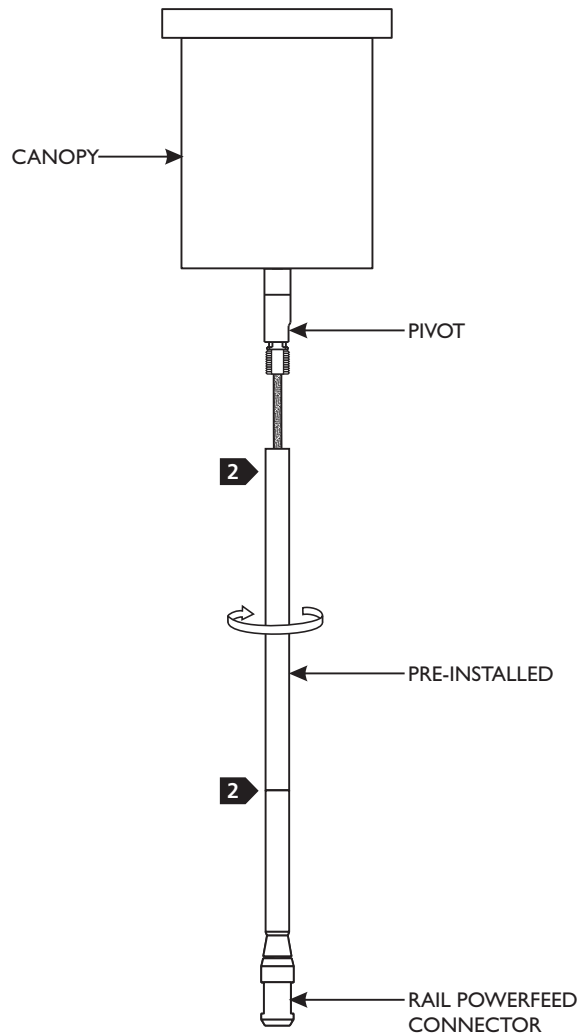
- 1 Remove all the canopy screws using the provided Allen Wrench.
- 2 Remove the mounting plate and driver from the canopy.



- 3 Secure the mounting plate to the electrical box with the #8-32 screws provided.

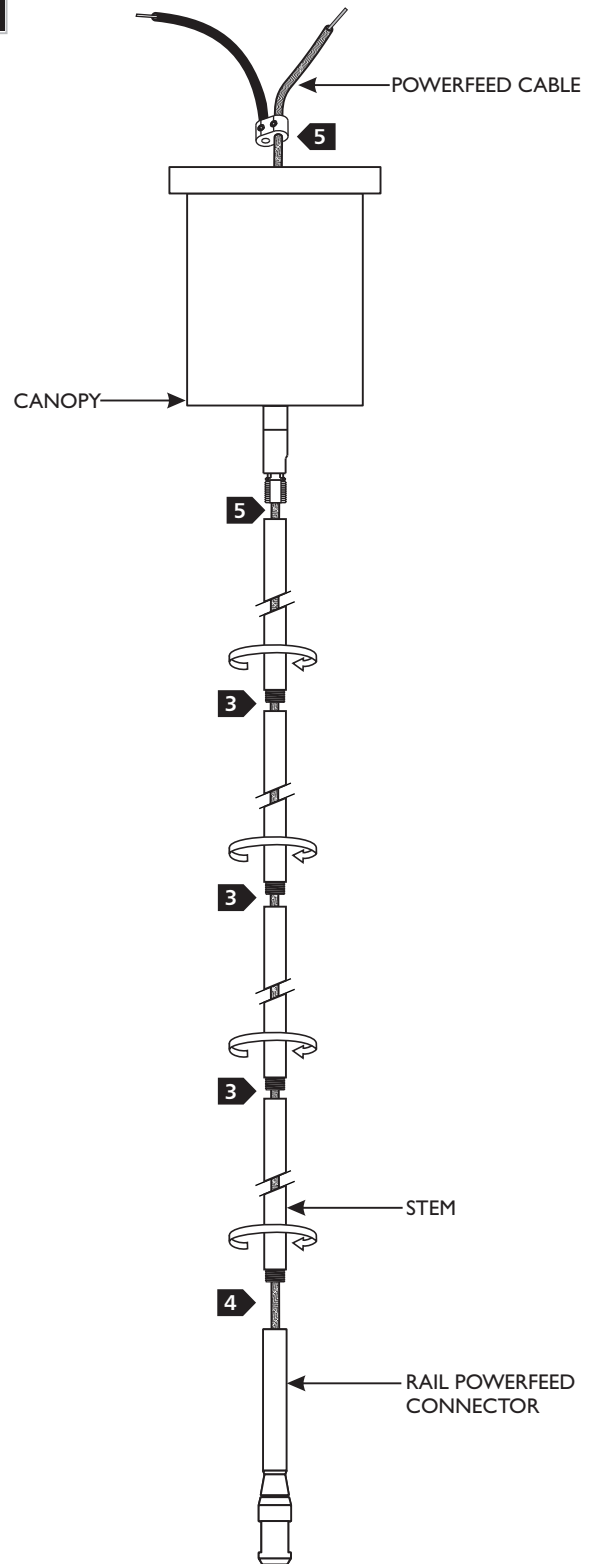
Assemble the Canopy

3A



- 1 This fixture ships with a pre-installed stem. If necessary, the stem may be unscrewed from the rail powerfeed connector and/or the pivot, then replaced with another stem length to accommodate the desired height or appearance.
- 2 Plan accordingly and determine the desired height of the fixture using the provided stems.

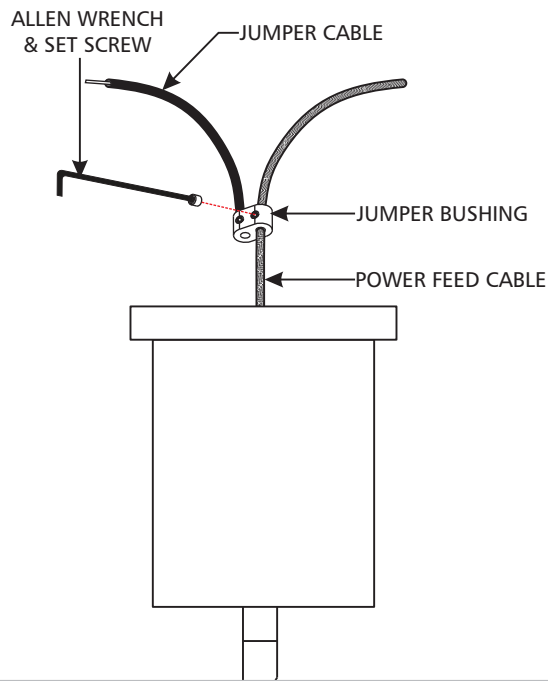
3B



- 3 Once the desired height of the fixture has been determined, assemble the stems by screwing them together.
- 4 Feed the powerfeed cable through the stem assembly, then screw the stem assembly to the rail powerfeed connector.
- 5 Feed the powerfeed cable through the canopy, then screw the stem assembly to the pivot.

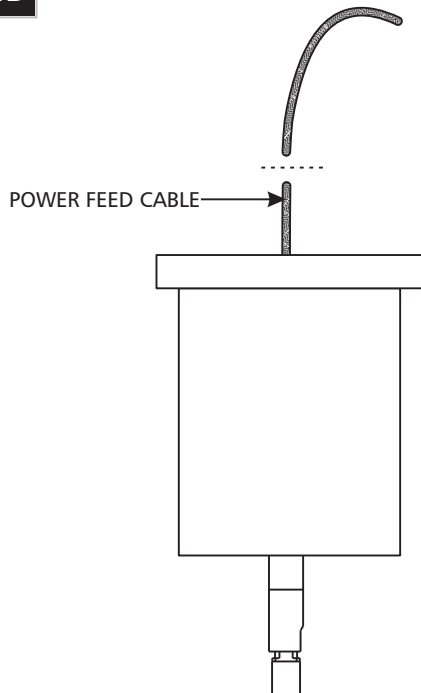
Install the Canopy

4A



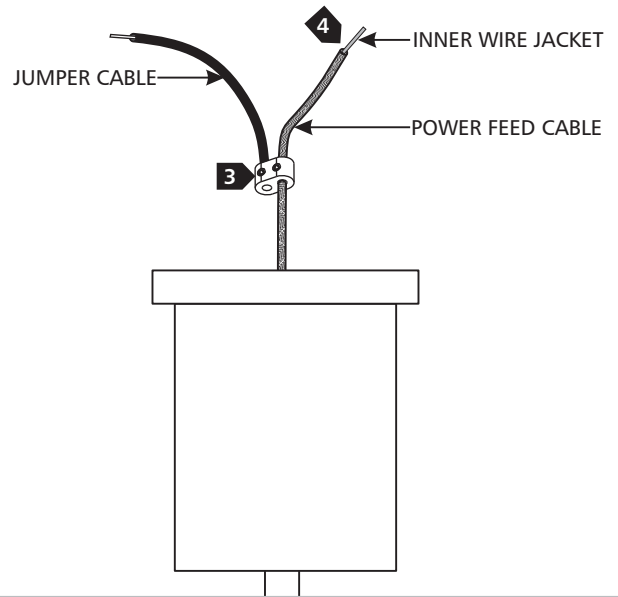
- 1 Remove the jumper bushing by unscrewing the set screw on the bushing (holding the power feed cable) with the provided Allen wrench.

4B

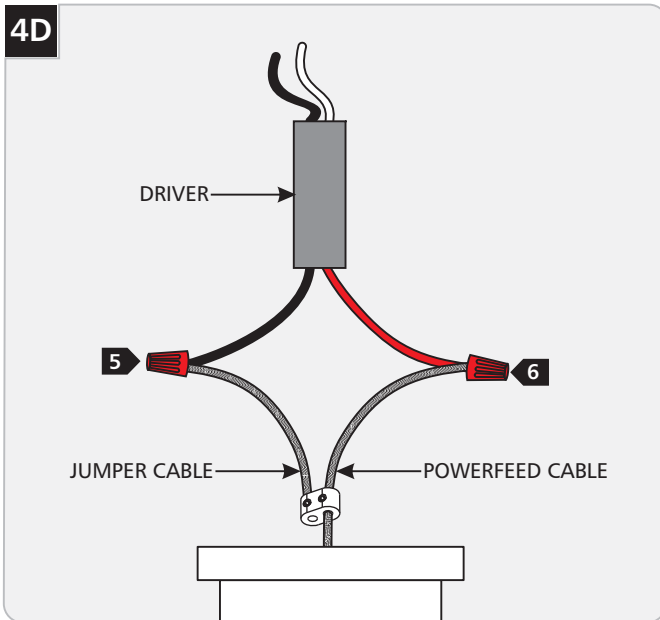


- 2 Trim the power feed cable leaving 6" of cable behind the canopy to make electrical connections.

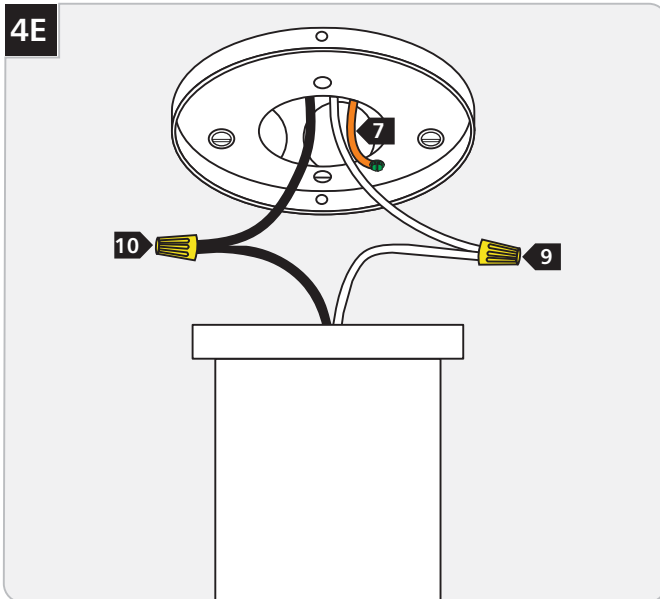
4C



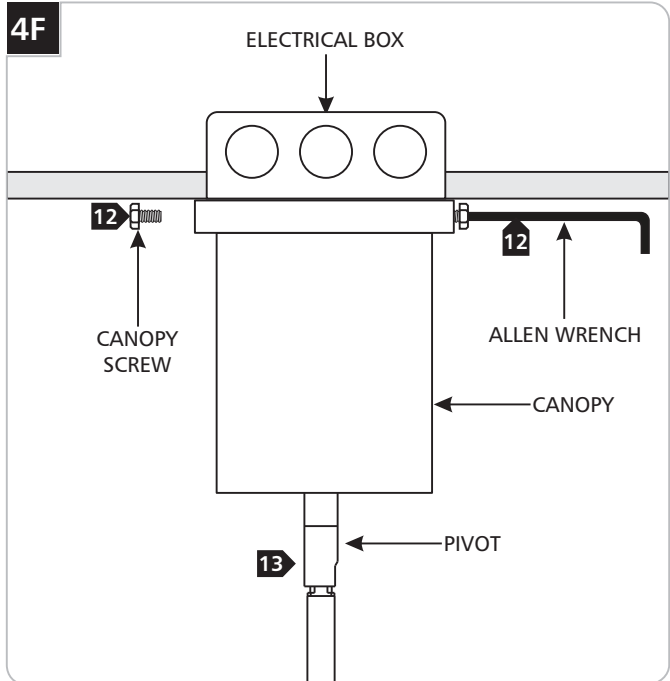
- 3 Re-install the jumper bushing to the power feed cable (reversal of step 4A) leaving approximately 3" of cable on the other end of the bushing.
- 4 Pull back the coax on the power feed cable and strip the inner wire jacket. **Make sure to not cut the inner wire.**

4D

- 5** Connect the black driver wire to the jumper cable with a red wire nut.
- 6** Connect the red driver wire to the powerfeed cable with a red wire nut.
- 7** Ensure that there is no exposed coax wire making contact inside the canopy surface after re-installing into the jumper bushing. Wrap any exposed coax (power feed cable) and jumper bushing with electrical tape (**not included**).

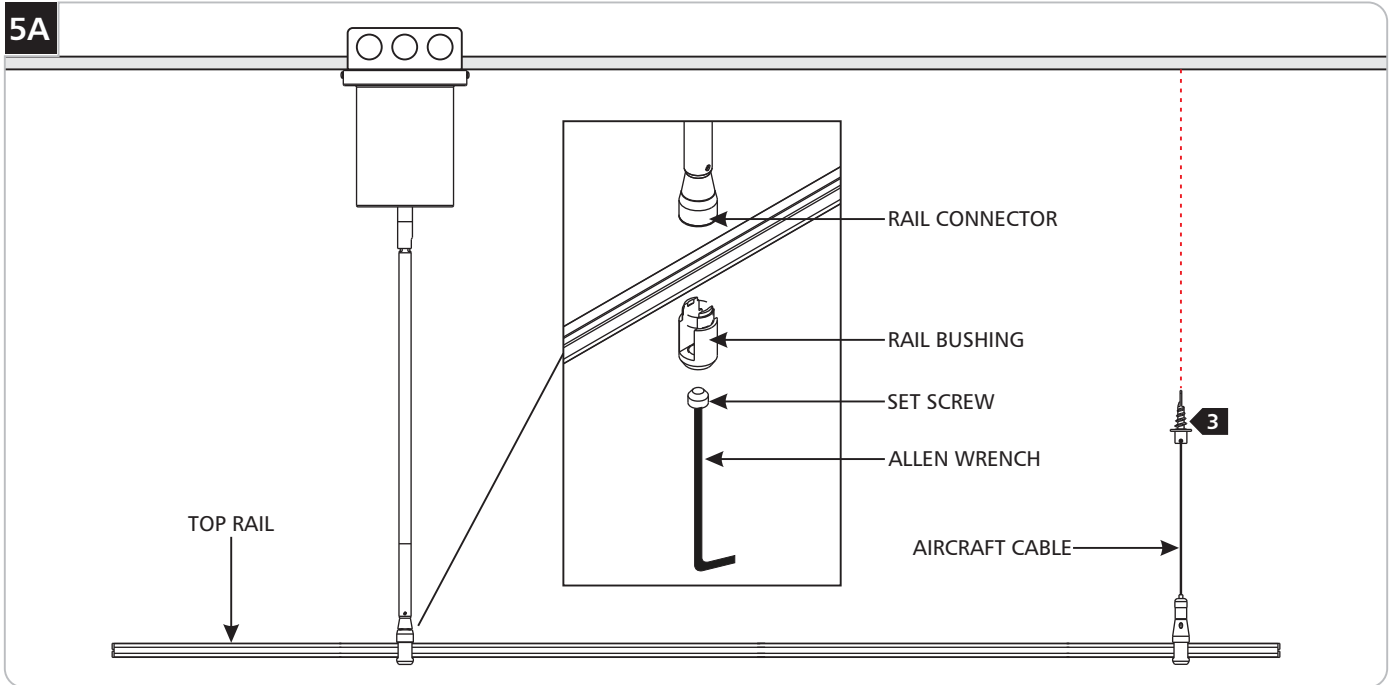
4E

- 8** Connect the fixture to a suitable ground in accordance with local electrical codes.
- 9** Connect the white driver wire to the neutral power line wire with a wire nut.
- 10** Connect the black driver wire to the hot power line wire with a wire nut.

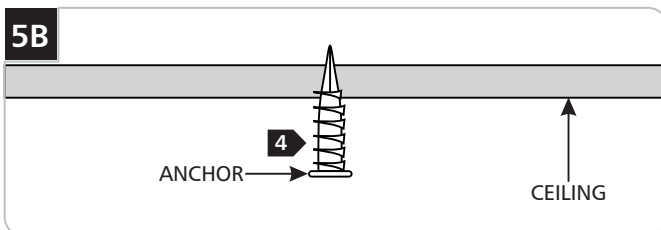
4F

- 11** Neatly place all wires and wire nut connections inside the canopy.
- 12** Align the canopy holes with the mounting plate holes. Secure the canopy in place by tightening the canopy screws using the provided Allen Wrench.
- 13** Adjust the pivot as necessary.
Note: pivot accommodates up to a 45 degree ceiling.

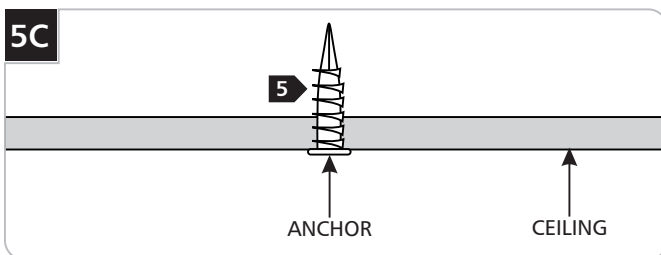
Install the Rails and Standoffs



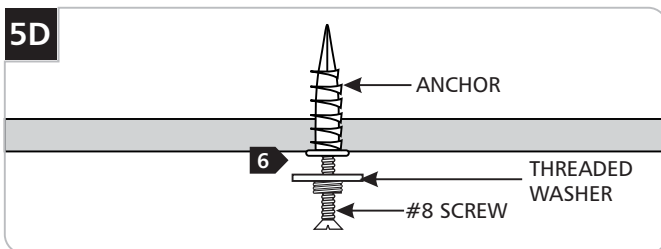
- 1 Unscrew the set screw on the bottom of the rail bushing using the provided Allen wrench, then unscrew the rail connector from the bushing and remove the bushing.
- 2 Position where the top rail will be mounted, then mark the ceiling for the first aircraft cable support location. Use steps 5B-5F to install the standoff, then proceed to step 3 to install the rail.
- 3 Install the top rail to the rail connector and secure it in place by reinstalling the bushing. **Reversal of step 1. Make sure the top rail is installed with the "+" label facing up.**



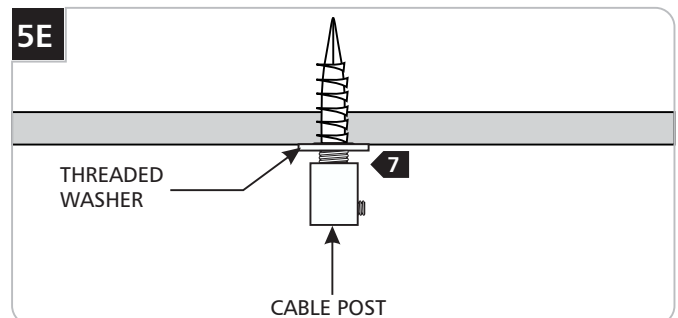
- 4 Tap the anchors at the marked points up to the threaded portion with a hammer.



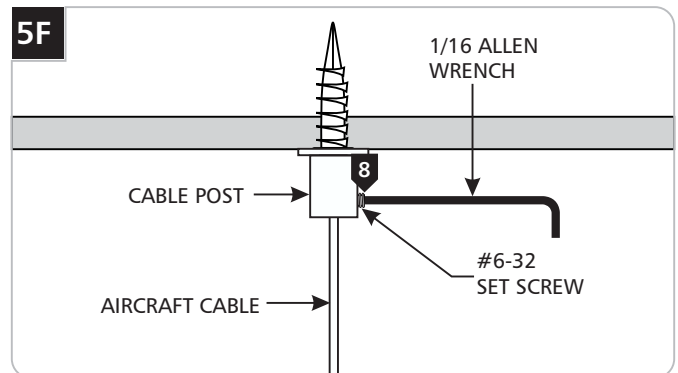
- 5 Screw the anchors in the rest of the way with a Phillips screwdriver.



- 6 Attach the threaded washer to the anchors with the screw.

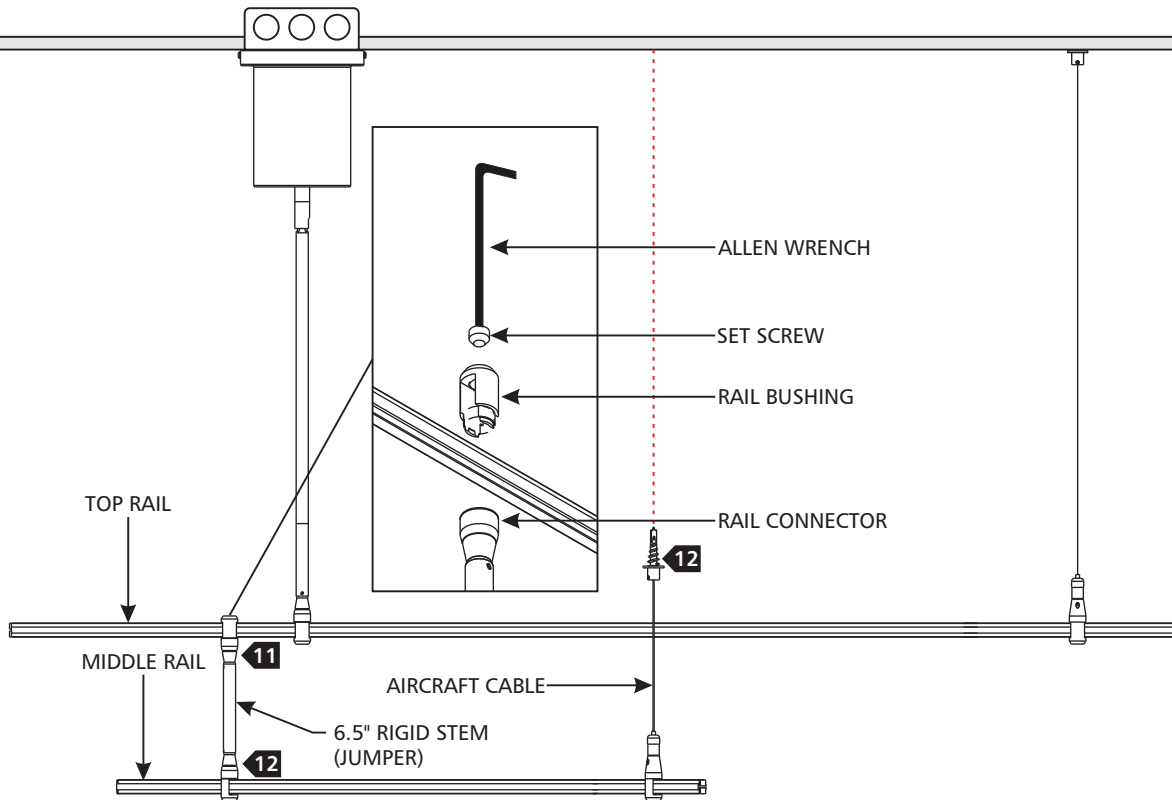


- 7 Screw the cable posts to the threaded washers.

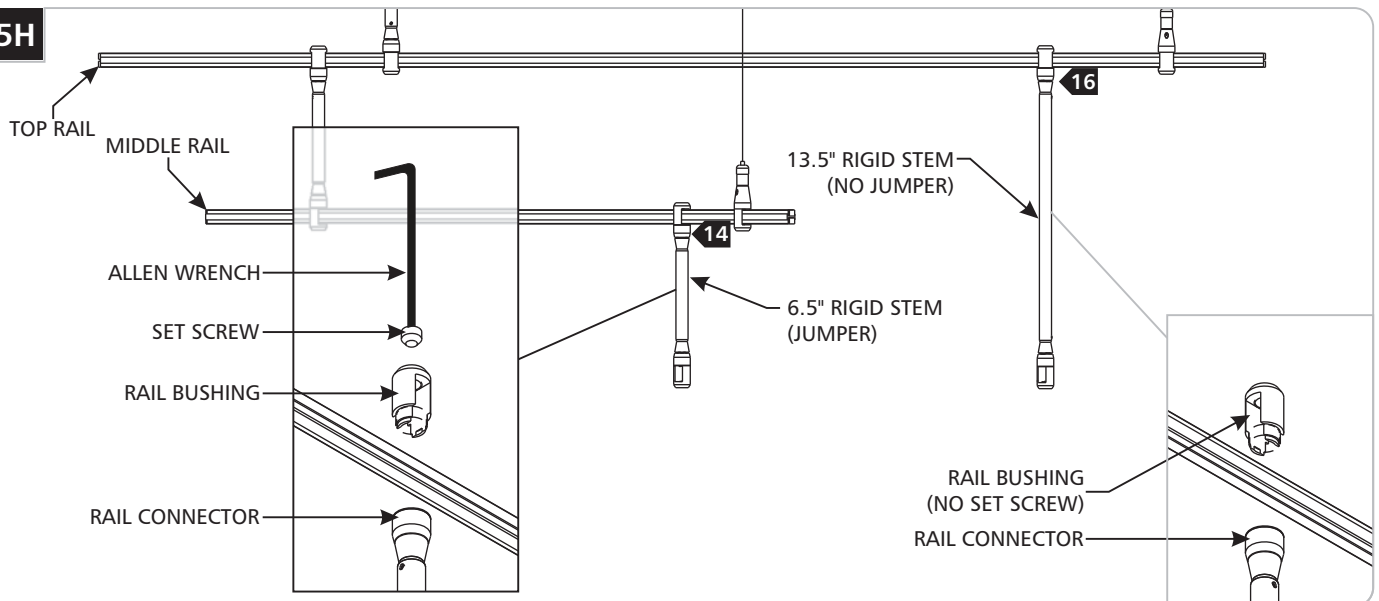


- 8 Determine the height of the aircraft cable appropriate for the selected fixture height and trim aircraft cable accordingly.

- 9 Feed the aircraft cable into the cable post and tighten the set screw with the Allen wrench.

5G

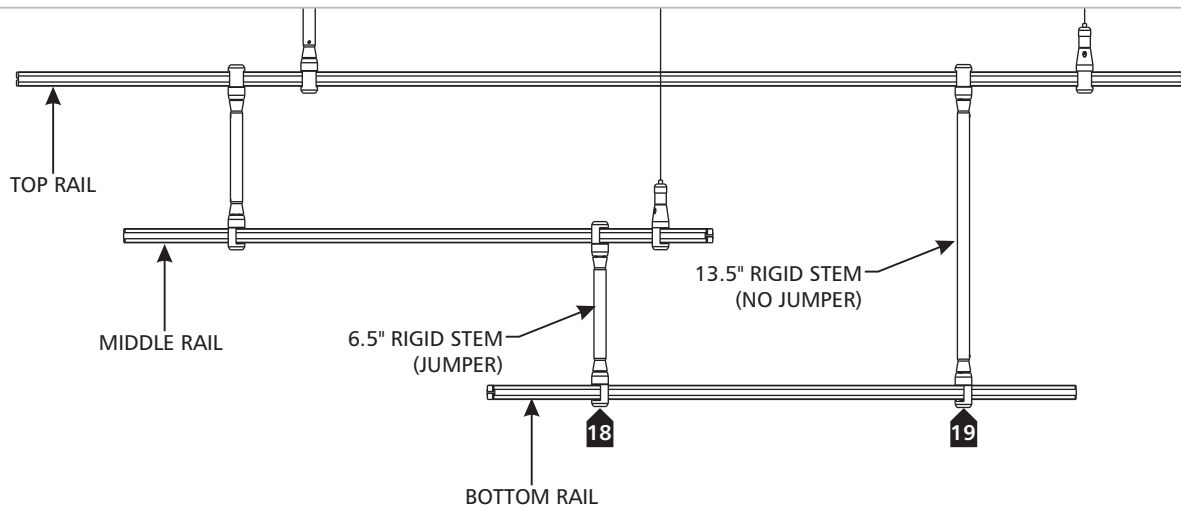
- 9** Install a 6.5" rigid stem (jumper) to the top rail. Unscrew the set screw on the rail bushing using the provided Allen wrench, then unscrew the rail connector from the bushing and remove the bushing. Repeat for other end of the rigid stem.
- 10** Install one end of the rigid stem to the top rail and secure it in place by reinstalling the rail bushing. **Reversal of step 9.**
- 11** Position where the middle rail will be mounted, then mark the ceiling for the second aircraft cable support location. Repeat steps 5B-5F to install the aircraft cable, then proceed to step 12 to install the rail.
- 12** Install the middle rail to the other end of the rail connector on the rigid stem and secure it in place by reinstalling the bushing (reversal of step 9). **Make sure the middle rail is installed with the "+" label facing down.**

5H

CAUTION: Do not mix parts on the rigid stems. 6.5" stems are conductive and 13.5" stems are non-conductive.

- 13** Install a 6.5" rigid stem (jumper) to the middle rail. Unscrew the set screw on the rail bushing using the provided Allen wrench, then unscrew the rail connector from the bushing and remove the bushing. Repeat for other end of the rigid stem.
- 14** Install one end of the rigid stem to the middle rail and secure it in place by reinstalling the rail bushing. **Reversal of step 13.**
- 15** Install a 13.5" rigid stem (no jumper) to the top rail. Unscrew and remove the rail connector from the bushing. Repeat for other end of the rigid stem.
- 16** Install one end of the rigid stem to the top rail and secure it in place by reinstalling the rail bushing (no set screw). **Reversal of step 13.**

51

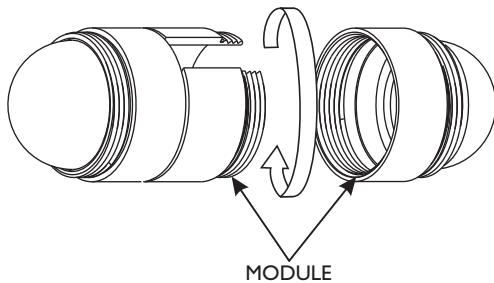


CAUTION: Do not mix parts on the rigid stems. 6.5" stems are conductive and 13.5" stems are non-conductive.

- 17 Install the bottom rail to the other ends of the rail connectors on the two rigid stems making sure the bottom rail is installed with the "+" label facing up.
- 18 Secure the bottom rail to the 6.5" rigid stem by reinstalling the bushing. Reversal of step 13.
- 19 Secure the bottom rail to the 13.5" rigid stem by reinstalling the bushing. Reversal of step 15.

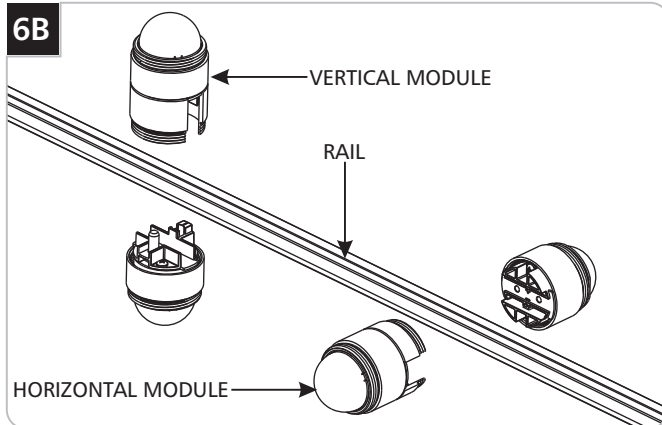
Install the Module and Shade

6A



- 1 Separate the two halves of the module by unscrewing them from one another.

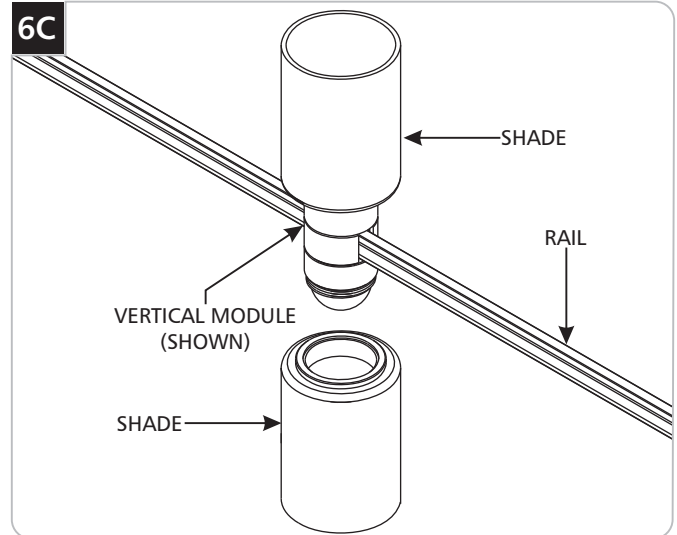
6B



CAUTION: Make sure to disconnect the power to the fixture when installing the modules. Failure to do so may result in damage to the fixture and/or injury.

- 2 Install the two module halves onto the rail and secure in place by screwing them together. Make sure to match the polarity markings positive (+) and negative (-) on the rail with the markings inside the module.

6C



- 3 Install the shade by screwing it into the base. Do not over-tighten. A maximum of 6 modules or 48W Max can be installed per complete fixture.
- 4 Repeat steps 1-3 for remaining modules.

SAVE THESE INSTRUCTIONS!



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