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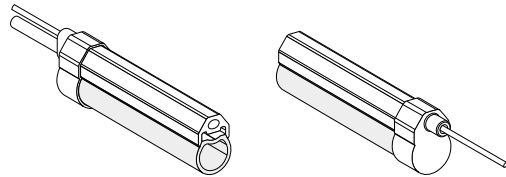
# Installation Instructions for **Saber Suspension, 0.8" Round** **24VDC Outdoor Wet Location, Tunable White**

**FN-SCS8-\_\_**

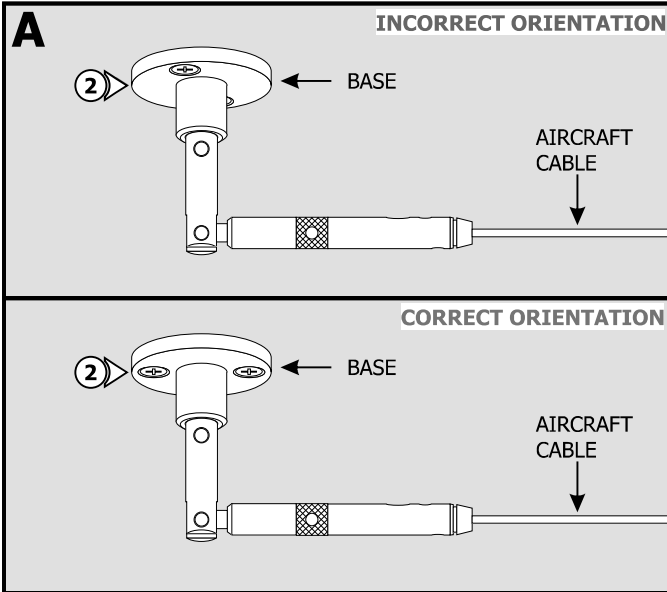
## IMPORTANT INFORMATION

- This instruction shows a typical installation.
- Saber is an IP67 rated wet location system featuring water tight barrel connections.
- This product bends up or down.
- This product must be installed by a qualified electrician and in accordance with local electrical codes.

**SAVE THESE INSTRUCTIONS!**

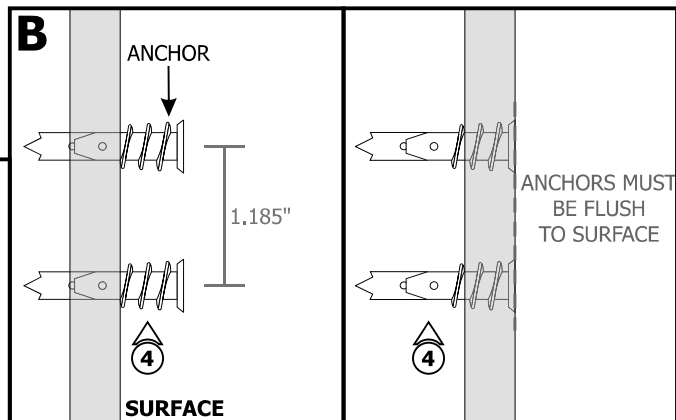


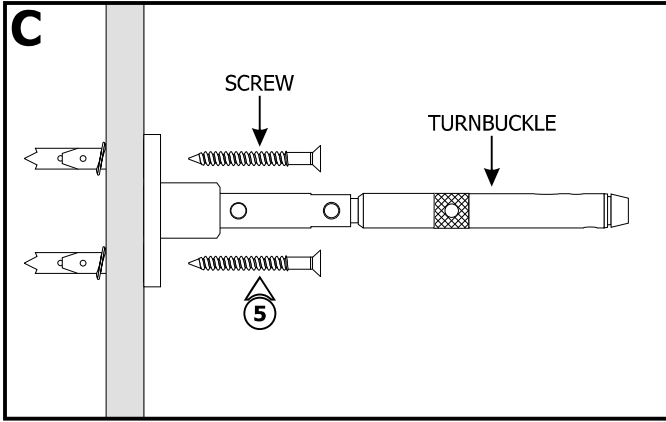
## Section One: Install the Turnbuckle



- NOTE:** Ensure the turnbuckles are mounted to a solid structure such as brick, cement, or wood studs.
- 1: Determine the location of each turnbuckle.
  - 2: When mounting the turnbuckle onto the ceiling or at an angle, the screw holes of the turnbuckle base should be in line with the aircraft cable.

- 3: Place the turnbuckle base against the surface and mark the location of the two screw holes.
- NOTE:** Step 4 is for drywall mounting. Omit this step if mounting directly to a wood surface.
- 4: Masonry anchors are not provided. Tap the anchors onto the marked points up to the threaded portion with a hammer. Screw in the threaded portion of the anchors with a Phillips screwdriver.

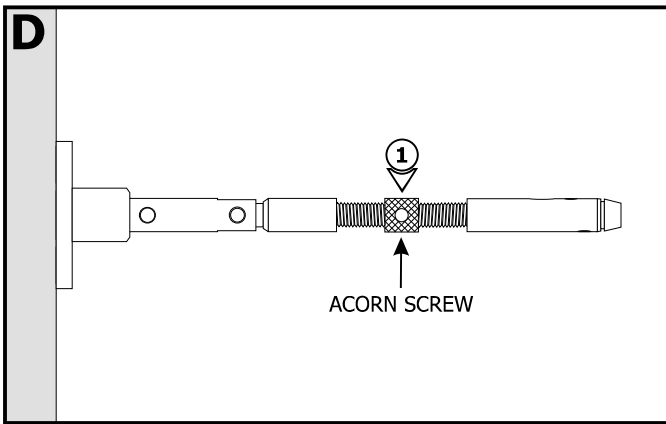




**5:** Secure the turnbuckle base to the anchors using two #8 screws provided.

**6:** Repeat steps 3 through 5 for the other turnbuckle.

## Section Two: Install the Saber Channel

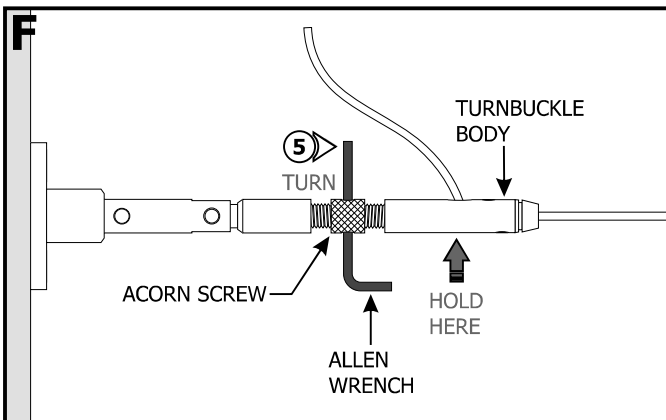
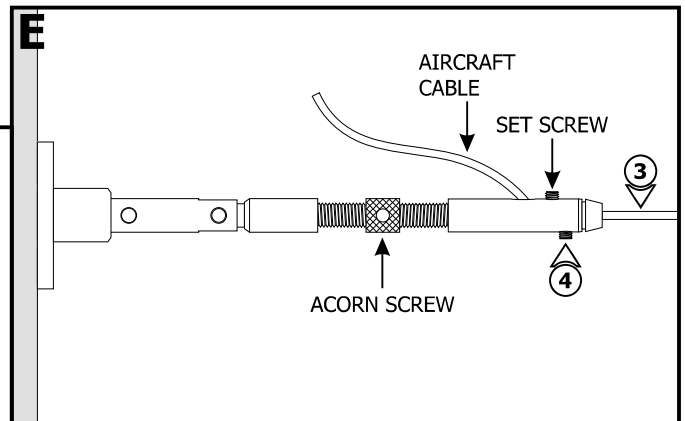


**1:** Unscrew the acorn screw on the turnbuckle body to its full extension for maximum adjustments.

**2:** Loosen (**Do Not Remove**) the two set screws on the end of the turnbuckle body using an Allen wrench.

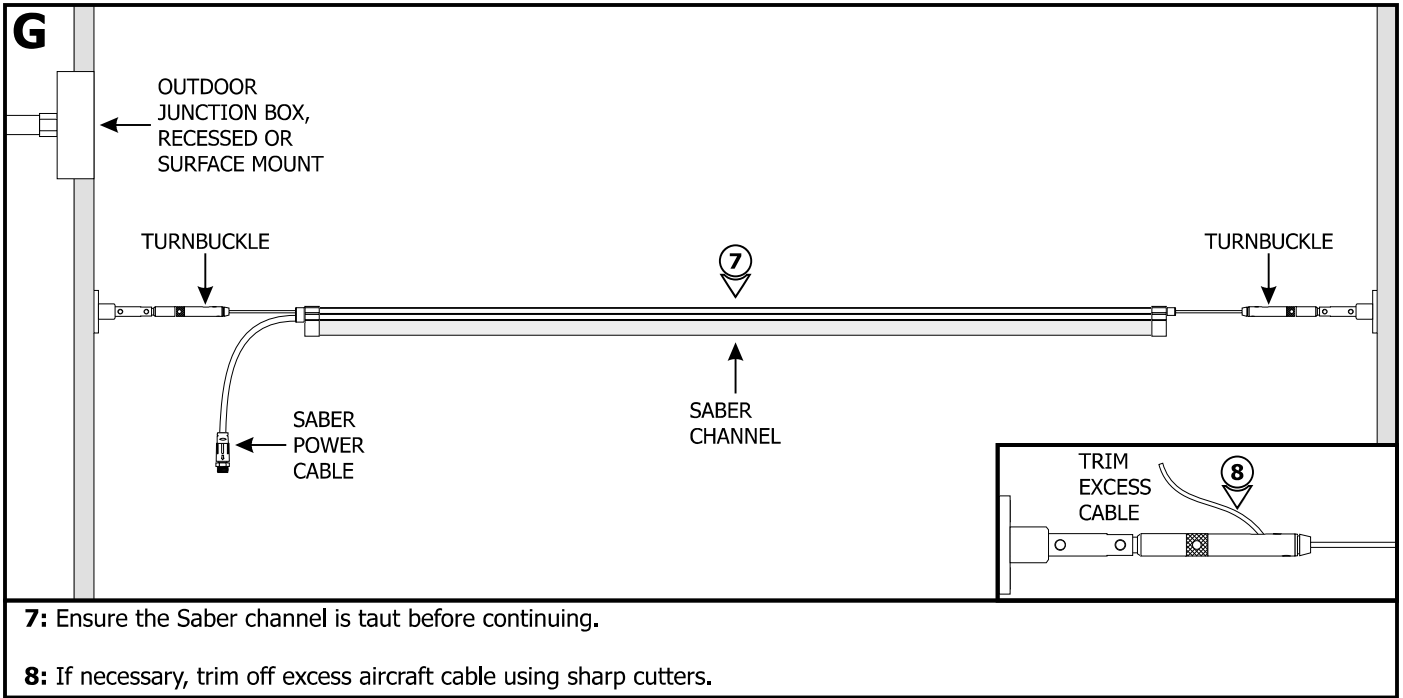
**3:** Insert the aircraft cable into the turnbuckle body and tighten the set screws.

**4:** Insert the other end of the aircraft cable into the opposite turnbuckle. Pull the cable taut between the two turnbuckles. Tighten the set screws on the opposite turnbuckle using an Allen wrench.

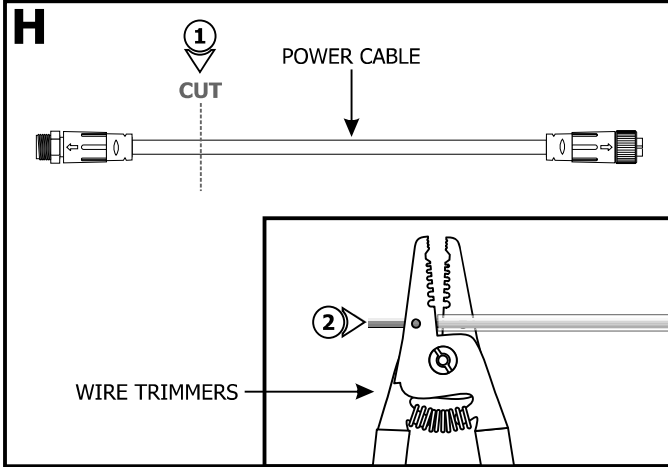


**5:** For final adjustments, insert an Allen wrench into the acorn screw hole and rotate counter clockwise with one hand while holding the turnbuckle body with the other hand.

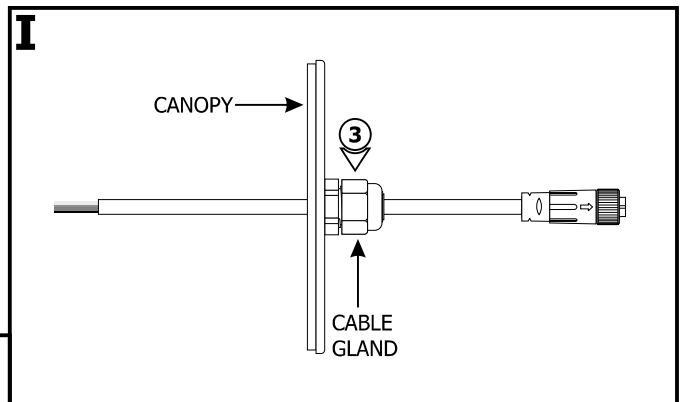
**6:** Tighten the acorn screw on each turnbuckle for the Saber channel to stay taut.



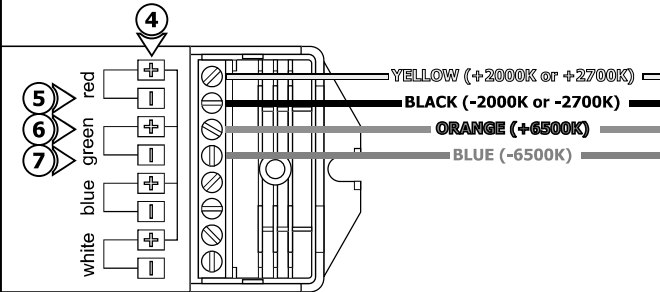
### Section Three: Connect to Power



- 1:** Keep one end of the connector (either the male or female end) that is going to be connected to the fixture. Cut and discard the other end connector.
- 2:** Use AWG wire trimmers to remove the outer insulation from the wire harness where electrical connection will be made.



- 3:** Insert the power cable through the outdoor canopy and tighten the waterproof cable gland to lock in place.

**J**

**NOTE:** The color of the power cord wires are represented as:  
 Yellow for +24VDC (2000K or 2700K)  
 Black for -24VDC (2000K or 2700K)  
 Orange for +24VDC (6500K)  
 Blue for -24VDC (6500K)  
 Red = not used/cap off  
 Green = not used/cap off

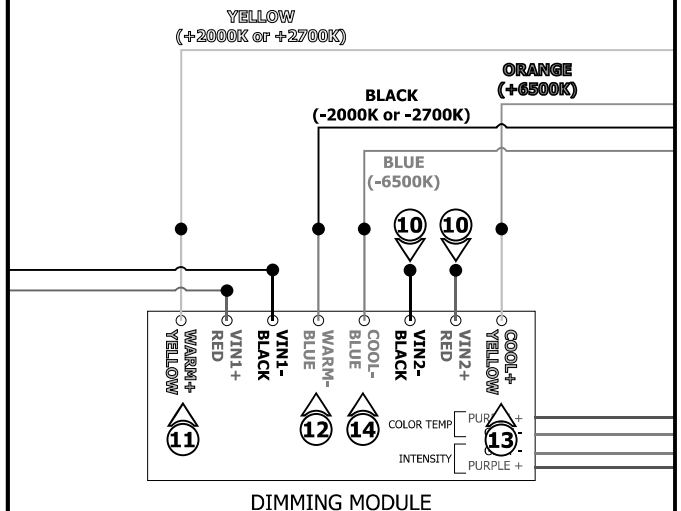
**NOTE:** Omit steps 4 through 9 if using two channel controls. Refer to steps 10 through 16.

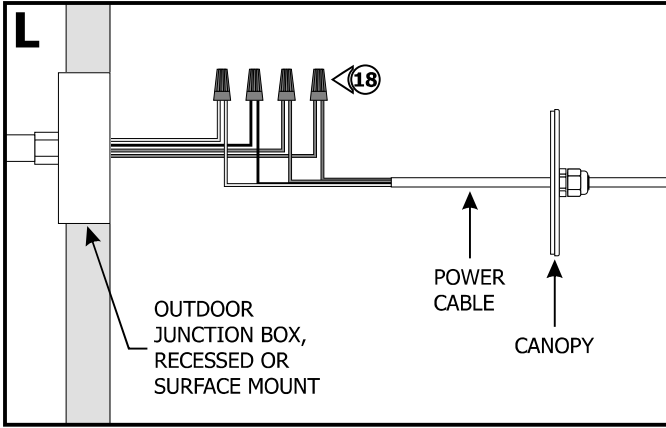
**Tunable White with DMX Control:**

- 4:** Connect the yellow wire for +2000K or +2700K to the red "+" DMX terminal and tighten the screw.
- 5:** Connect the black wire for -2000K or -2700K to the red "-" DMX terminal and tighten the screw.
- 6:** Connect the orange wire for +6500K to the green "+" DMX terminal and tighten the screw.
- 7:** Connect the blue wire for -6500K to the green "-" DMX terminal and tighten the screw.
- 8:** Cap off the unused wires. See NOTE above.
- 9:** Refer to the wiring diagram on page 6 and the instructions provided with the power supply to complete the installation.

**Tunable White Strip with Two Channel Controls:**

- 10:** The Vin2+ Red and Vin2- Black wires are not used in this procedure. Cap the Vin2+ Red and Vin2- Black wires using wire nuts.
- 11:** Connect the yellow wire for +2000K or +2700K to the Warm+ Yellow dimming module wire using a wire nut.
- 12:** Connect the black wire for -2000K or -2700K to the Warm- Blue dimming module wire using a wire nut.
- 13:** Connect the orange wire for +6500K to the Cool+ Yellow dimming module wire using a wire nut.
- 14:** Connect the blue wire for -6500K to the Cool- Blue dimming module wire using a wire nut.
- 15:** Cap off the unused wires. See NOTE above.
- 16:** Refer to the wiring diagram on page 7 and the instructions provided with the power supply to complete the installation.

**K**



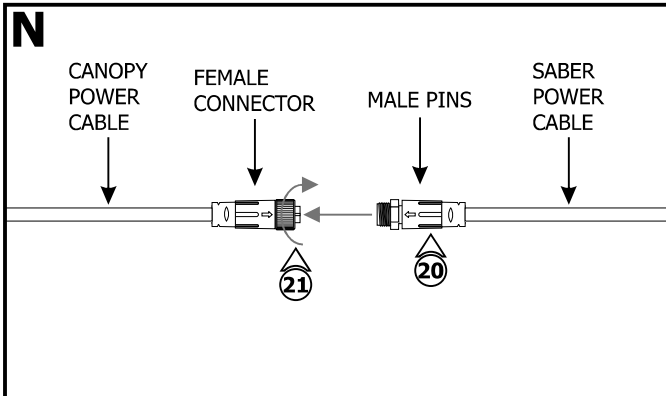
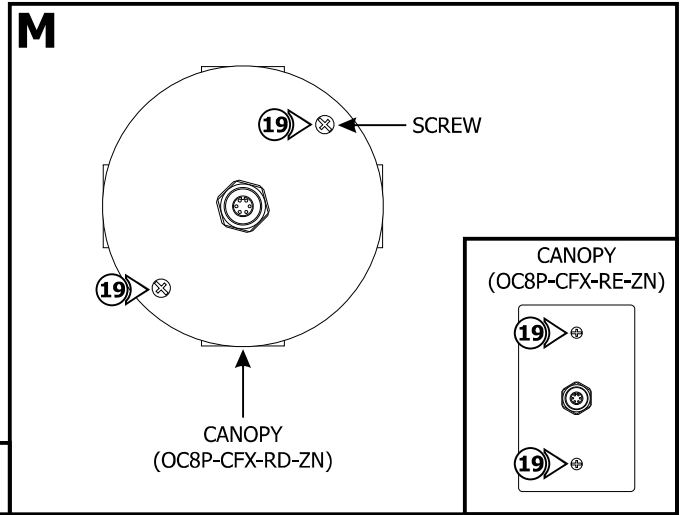
**NOTE:** Outdoor electrical connections must be made inside a waterproof junction box or using waterproof wire nut connections.

**17:** Route the wires coming from the power supply to the outdoor junction box.

**18:** Connect the yellow, black, orange, and blue wires from the power supply to the yellow, black, orange, and blue wires from the canopy power cable respectively using wire nuts.

**CAUTION:** Test the fixture.

**19:** Place the outdoor canopy over the outdoor junction box. Secure it by tightening the screws.



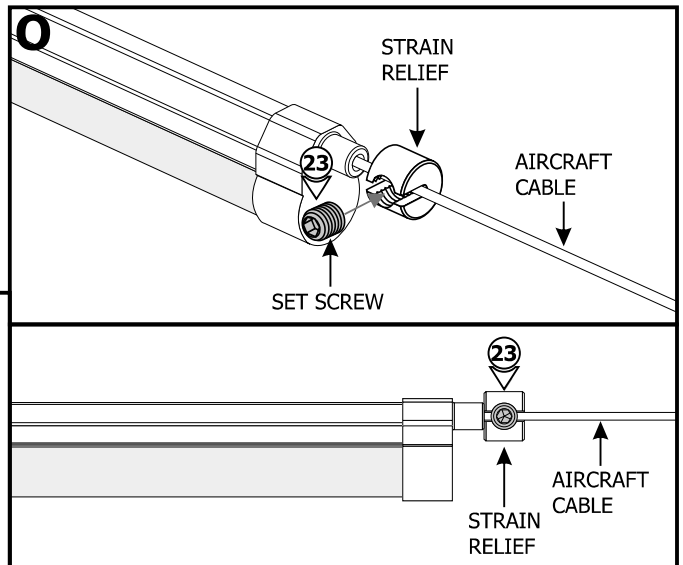
**20:** Align the power cables from the canopy and the Saber channel and push into place, ensuring that the female connector and male pins mate properly.

**21:** Twist the connector nut to lock in place.

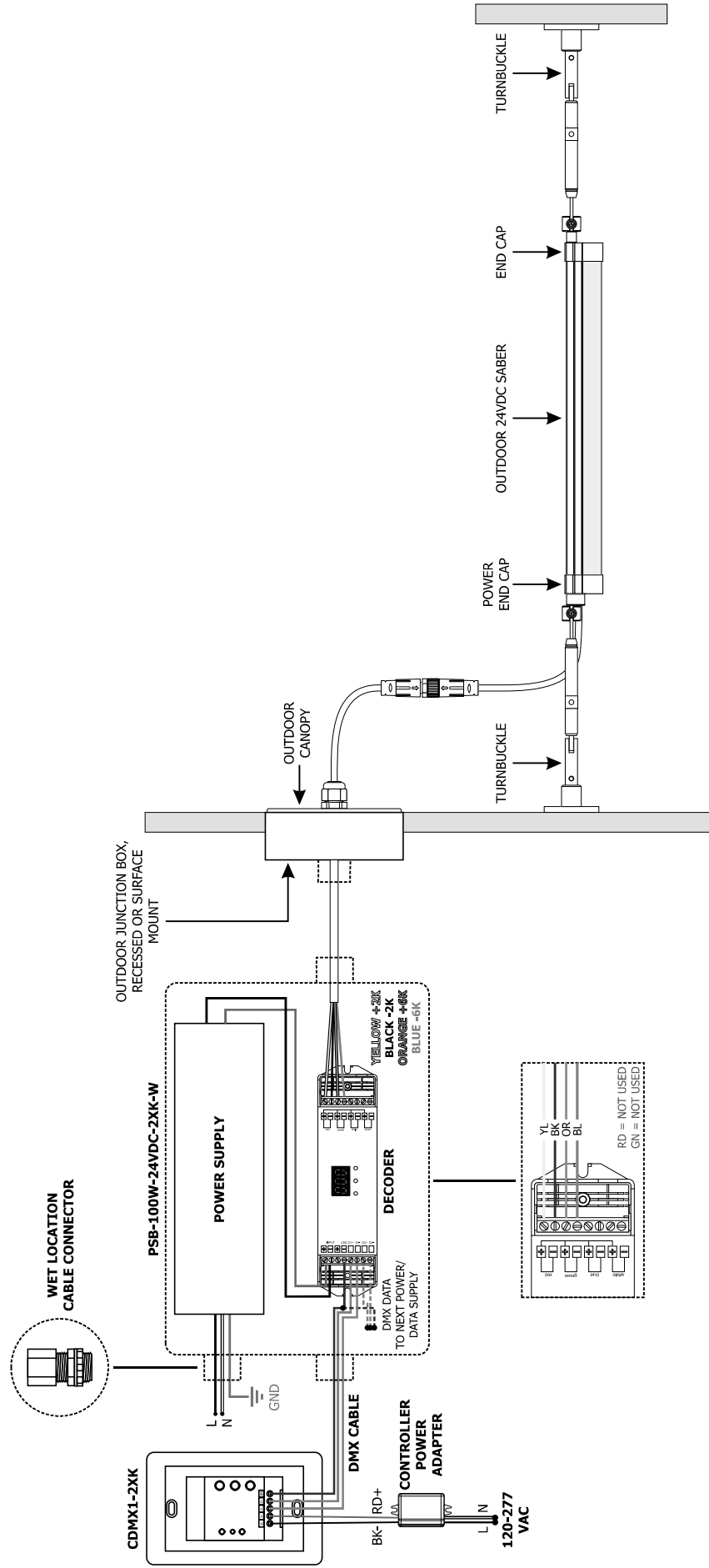
**22:** If necessary, adjust the position of the Saber on the aircraft cable.

**23:** Place the strain relief over the aircraft cable and against the end cap. Secure the strain relief in place with the set screw using a 5/32" Allen wrench.

**24:** Repeat step 23 to install the strain relief on the other end of the Saber.



# General Wiring Diagram with CDMX



# General Wiring Diagram with Two Channel Controls

