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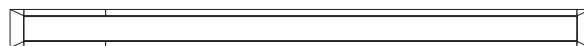
Installation Instructions for TruLine Trim 1.6A

TLT1.6A-___

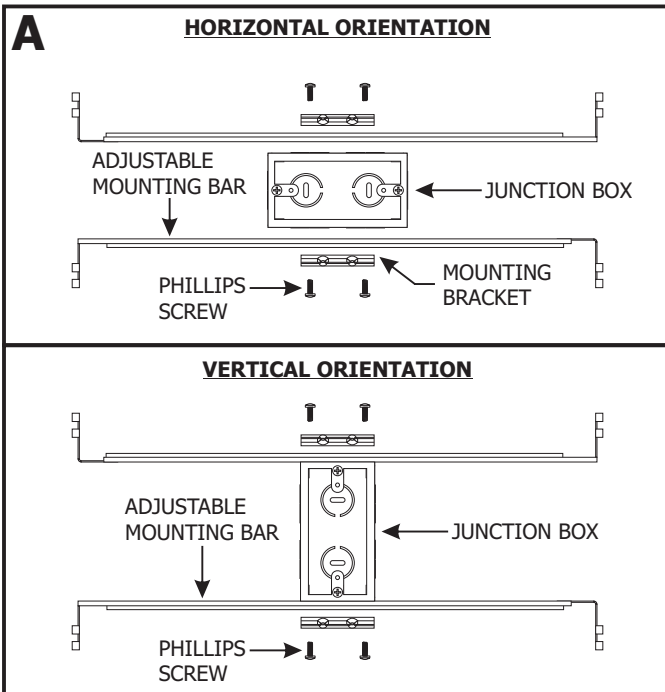
IMPORTANT INFORMATION

- This instruction shows a typical installation.
- This fixture is wall or ceiling mount.
- This product must be installed by a qualified electrician and in accordance with local electrical codes.

SAVE THESE INSTRUCTIONS!



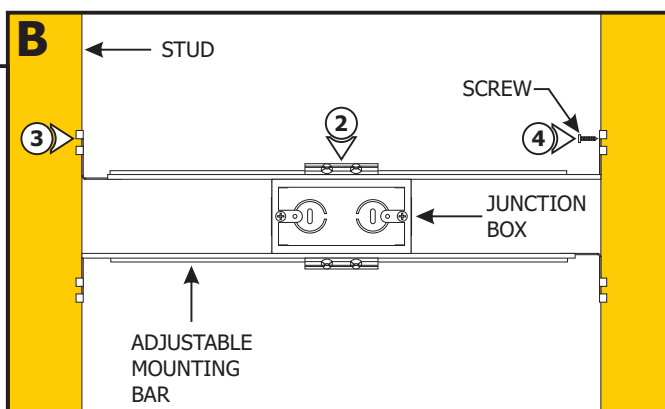
Section One: Install the Junction Box

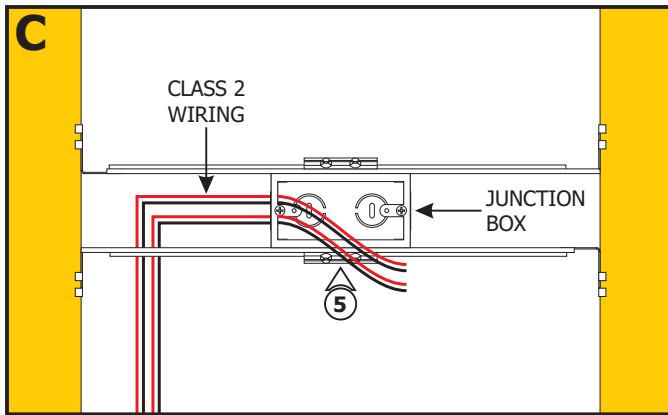


- 1:** Mount each adjustable mounting bar to one side of the junction box (mounts to any side of the housing depending on the orientation of the channel) and secure them with the mounting brackets and two Phillips screws provided.

NOTE: The adjustable mounting bars mount to studs that are spaced 15" to 24" apart. If the span needs to be shorter than 15", then break the bar arms from dedicated lines.

- 2:** Select the location between the two studs for the junction box to be mounted.
- 3:** Place the adjustable mounting bars between the studs.
- 4:** Make sure the lips on the adjustable mounting bars are against the studs. Secure the adjustable bars to the studs with screws.





5: Run the Class 2 low voltage wires coming from the remote power supply to the junction box. Only install conduit if required by local electrical codes.

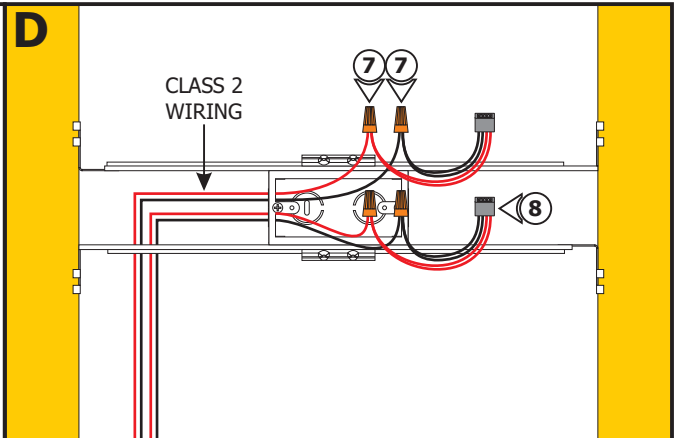
6: Refer to the instruction provided with the power supply along with the wiring diagram for proper wiring.

7: Connect the +24VDC power supply wire to the red wires of the power connector using a wire nut. Connect the -24VDC power supply wire to the black wires of the power connector using a wire nut.

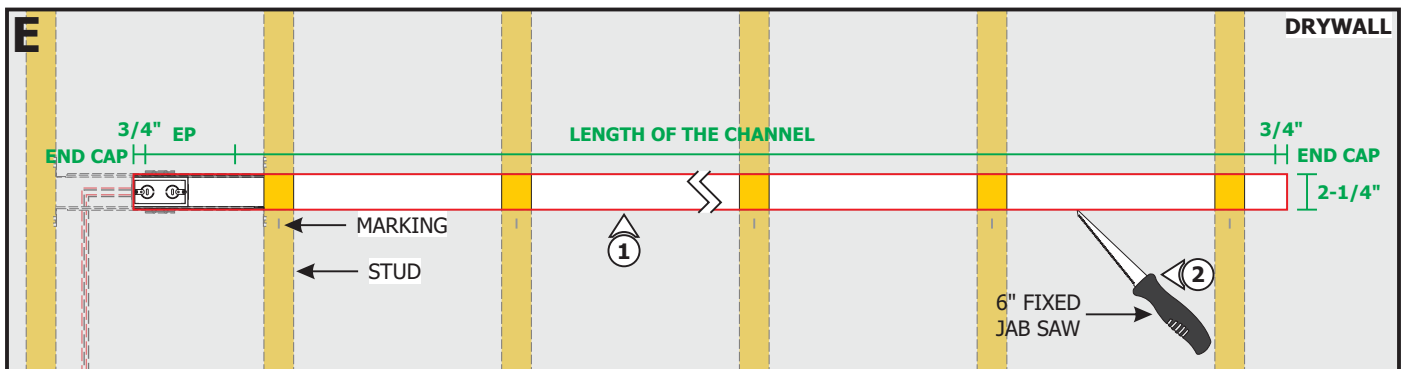
8: Repeat step 7 to connect the other power connector to the power supply.

9: Place all wire nut connections inside the junction box.

CAUTION: Unroll the entire LED strip from the reel and use the power connector to power the strip making sure there is no outage before continuing with the installation. Afterwards, carefully roll the LED strip loosely back into the reel.



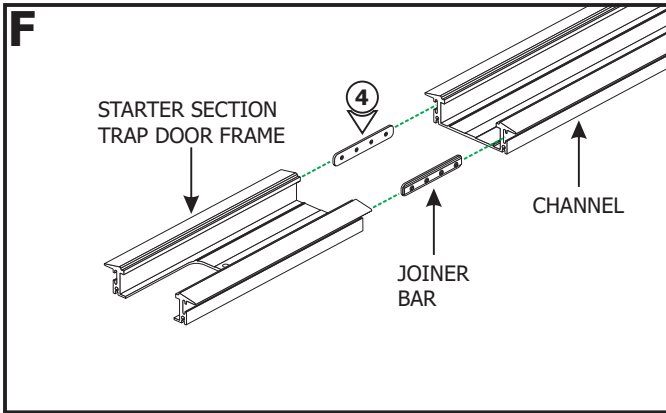
Section Two: Prepare and Install the Channel



1: Mark the area where the channel will be located on the drywall using the junction box opening as a guide (MIN. 2-1/4"). Allow for 3/4" extra space at the junction box and at the end of the installation for end caps.

2: Cut out the marked area(s) and install the drywall, using a "Dremel Multi-Max" with the "wood & drywall" cutting bit or a 6" Fixed Jab Saw.

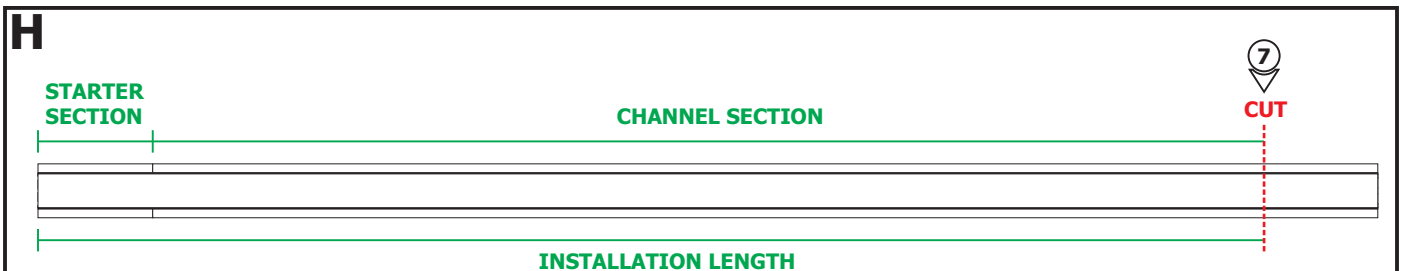
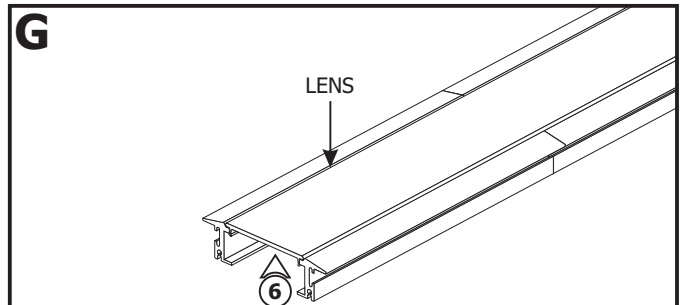
3: Install and finish the drywall. Mark the location of the studs on the drywall for future reference.



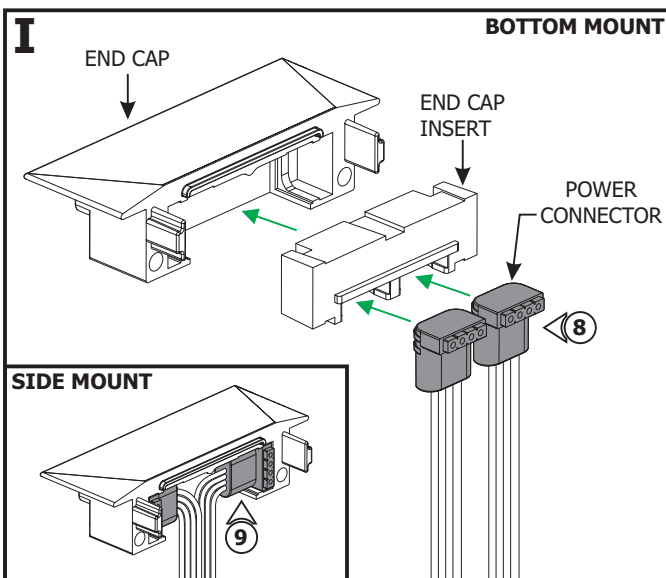
4: Insert the joiner bars halfway into the starter section trap door frame. Tighten the two M3 set screws on each joiner bar using a 1.5mm Allen wrench.

5: Slide the other section of channel onto the joining bars and tighten the remaining M3 set screws.

6: Snap the lens into the assembled trap door frame and channel **BEFORE** cutting to length. This ensures a proper fit after installation.

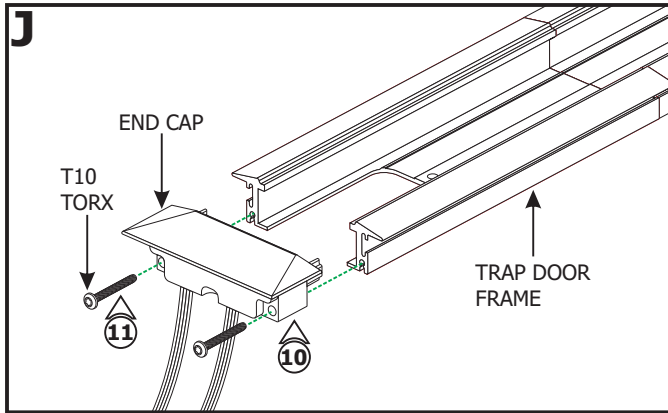


7: Cut the channel and lens to match the installation length.



8: For installations where the LED strip will be laid on the **bottom** of the channel, place the power connectors into the end cap insert. Slide the end cap insert and power connectors into the end cap.

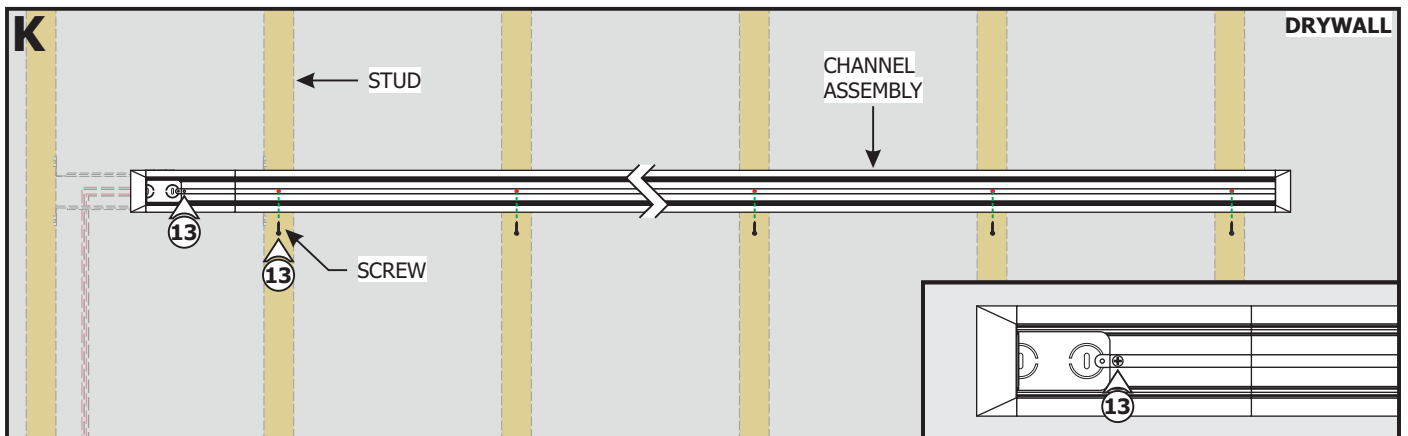
9: For installations where the LED strip will be laid on the **side** of the channel, rotate the connectors and place them inside the end cap.



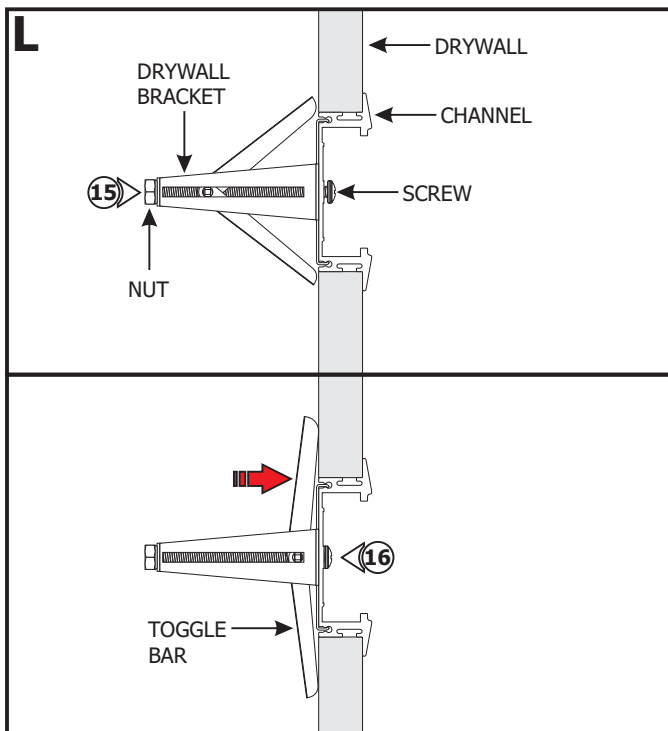
10: Insert the #4-40 Torx screws through the end cap holes and thread into the channel.

11: Tighten the end cap to the channel using the provided T10 screwdriver.

12: Repeat steps 10 and 11 to install another end cap at the end of the installation.



13: Place the channel assembly into the drywall cut out. If necessary, carefully make holes on the center of the channel. Using the marked locations on the drywall, secure the channel to the studs with the #6 drywall screws. Secure the channel assembly to the junction box using the provided screw.



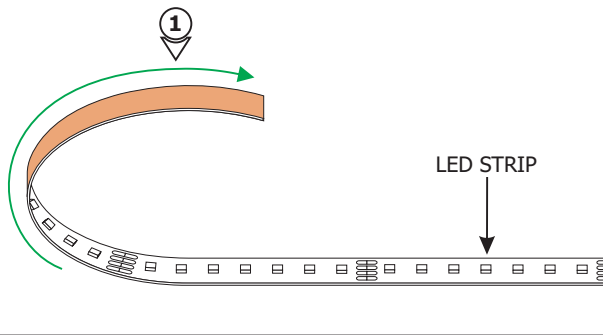
14: If the channel does not line up with a stud, use the provided Drywall Bracket to install to the drywall.

15: Snap the Drywall Bracket to the back of the channel. Feed the screw through the channel, toggle bar, and nut.

16: Place the channel assembly into the drywall cutout. Tighten the screw to secure in place. The screw will stop when the toggle bar is tight and secure behind the wall.

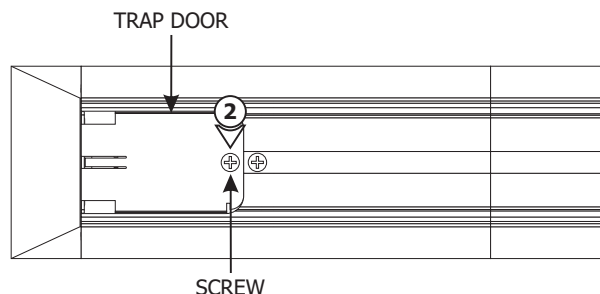
Section Three: Install the LED Strip

M



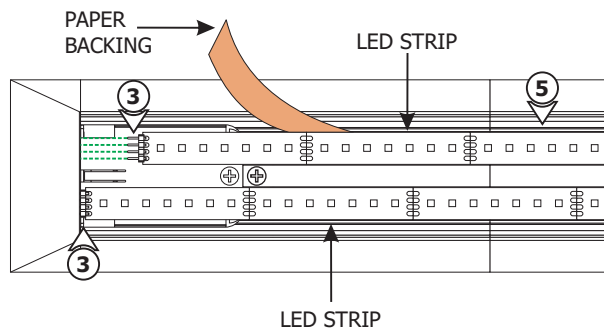
1: Gently uncoil the LED Strip before applying to the channel otherwise the strip may lift off of the surface.

N



2: Attach the trap door and secure using the Phillips screw.

O



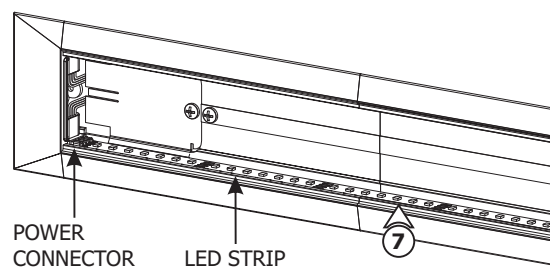
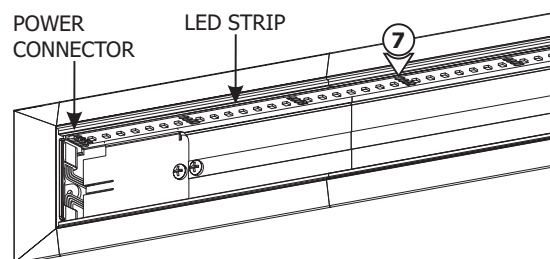
LED Strip: Bottom Mount

3: Line up the +24VDC marking on each LED Strip with the +24V wires of the power connector. Push the pins of the LED Strips into the power connectors.

4: Carefully remove the backing from the LED Strip, making sure not to remove the tape from the LED Strip.

5: Firmly press down the adhesive portion of the LED Strip onto the channel surface while removing the rest of the backing, making sure there are no air bubbles that can cause surface irregularities. Ensure the entire length of the channel is covered with LED Strips to avoid unlit areas.

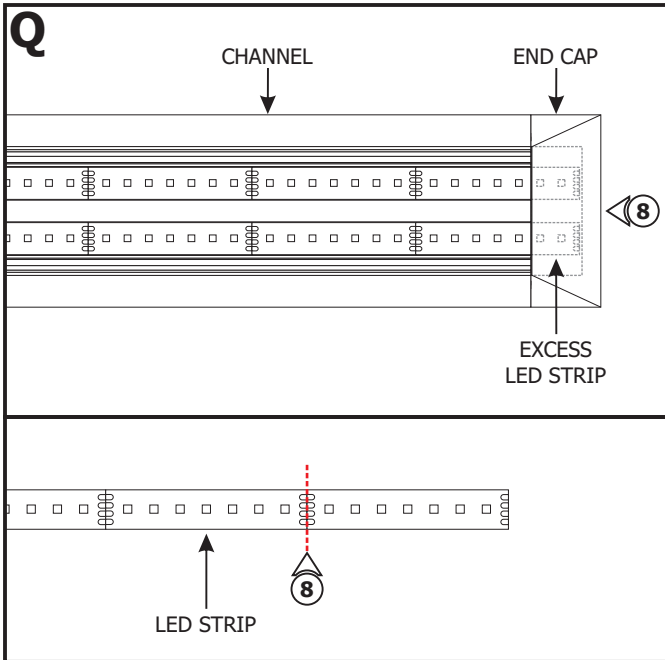
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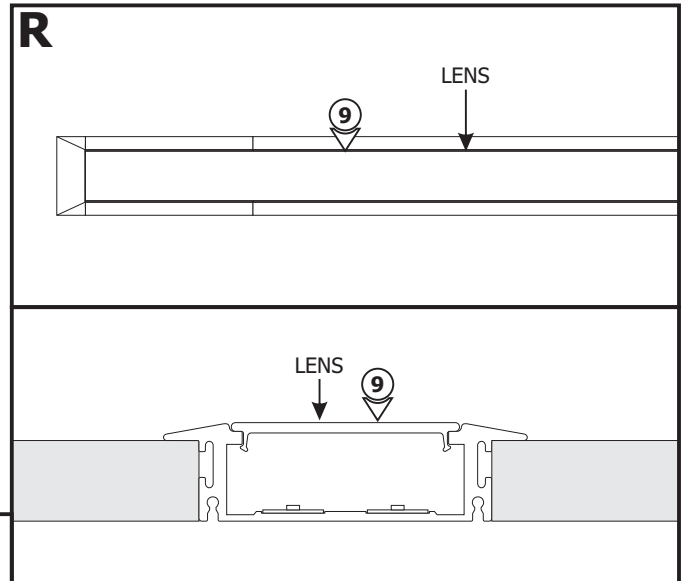
LED Strip: Side Mount

6: Install the LED Strips to the sides of the channel.

7: Repeat steps 3 through 5 to properly install the LED strips to the sides of the channel.



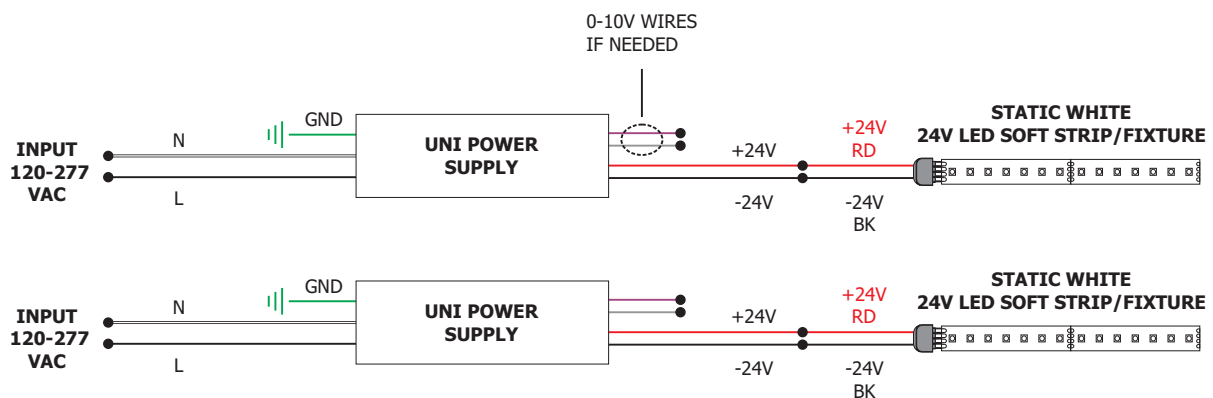
8: Trim the LED Strips on the dashed cuttable section, place the excess LED Strips inside the End Cap. Ensure the entire length of the channel is covered with LED Strips to avoid unlit areas.



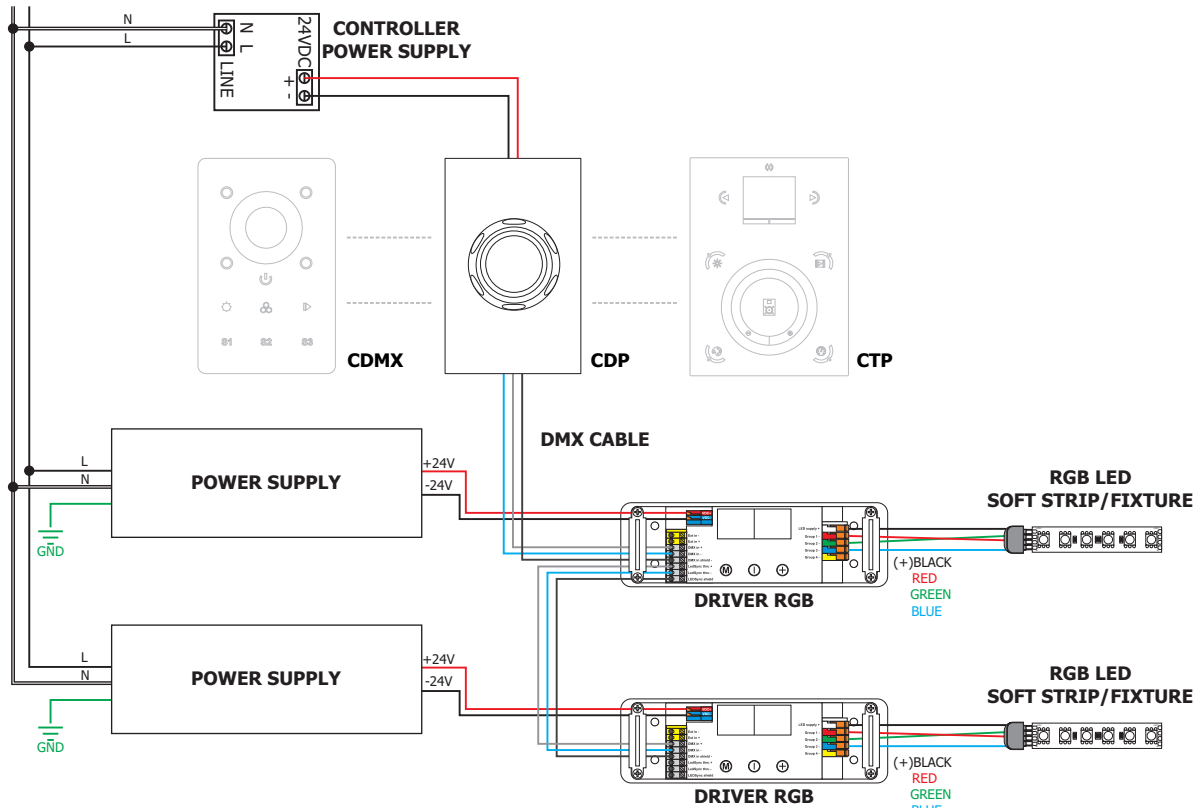
9: Snap the lens into the channel and make sure it is fully seated along the length of the channel opening.

General Wiring Diagrams

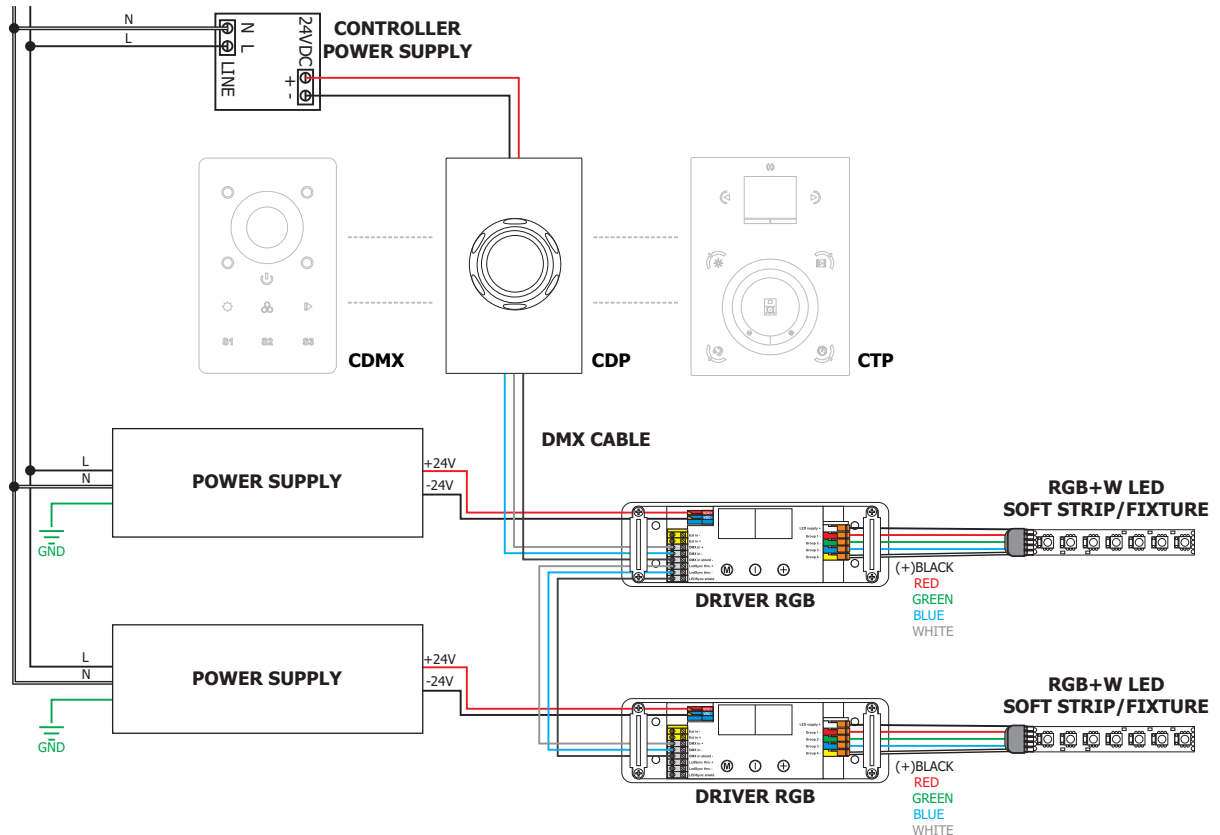
Static White



RGB Configuration: Using LED Power Supply with RGB Soft Strip & CDP, CTP or CDMX Control



RGB+W Configuration: Using LED Power Supply with RGB Soft Strip & CDP, CTP or CDMX Control



Tunable White: 2XK Power Supply with CDMX Controller

The diagram illustrates the wiring for a Tunable White 2XK Power Supply system using a CDMX Controller. The system consists of the following components and connections:

- POWER SUPPLY:** Two power supplies are shown, each providing +24V and -24V. They are connected to the CDMX1-2XK controller and the two DRIVERS.
- CDMX1-2XK:** The central controller unit, which manages the DMX cable and the two drivers.
- DMX CABLE:** Connects the CDMX1-2XK controller to the two DRIVERS.
- DRIVER:** Two drivers are shown, each connected to a power supply and the CDMX1-2XK controller. The drivers are labeled with color codes: +2K or +27K RD, -2K or -27K BK, +6K RD, and -6K BK.
- TUNABLE WHITE LED SOFT STRIP/FIXTURE:** Two fixtures are shown, each connected to a driver.

The wiring connections are as follows:

- The power supply provides +24V and -24V to the CDMX1-2XK controller and the two DRIVERS.
- The CDMX1-2XK controller is connected to the DMX CABLE, which then connects to the two DRIVERS.
- The two DRIVERS are connected to the two TUNABLE WHITE LED SOFT STRIP/FIXTURES.

Tunable White: Two Channel Controls, for Intensity and Color Temperature

TUNABLE WHITE LED SOFT STRIP/FIXTURE

POWER SUPPLY

DIMMING MODULE

TUNABLE WHITE LED SOFT STRIP/FIXTURE

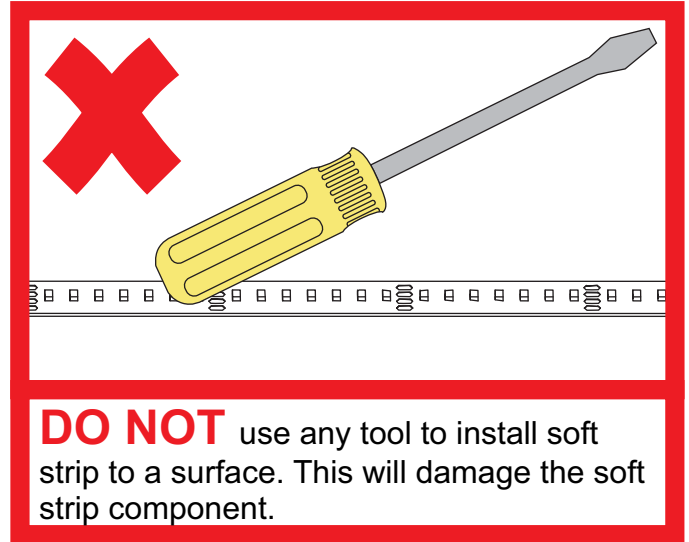
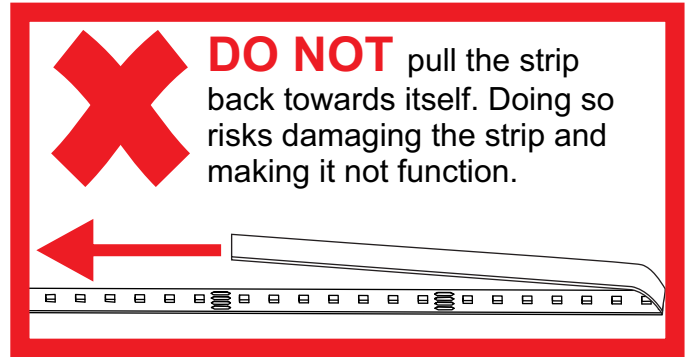
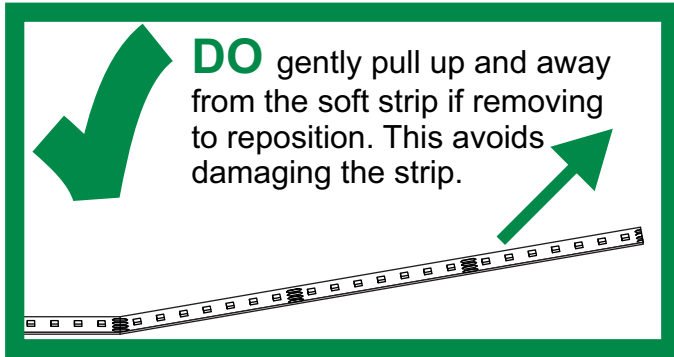
POWER SUPPLY

DIMMING MODULE

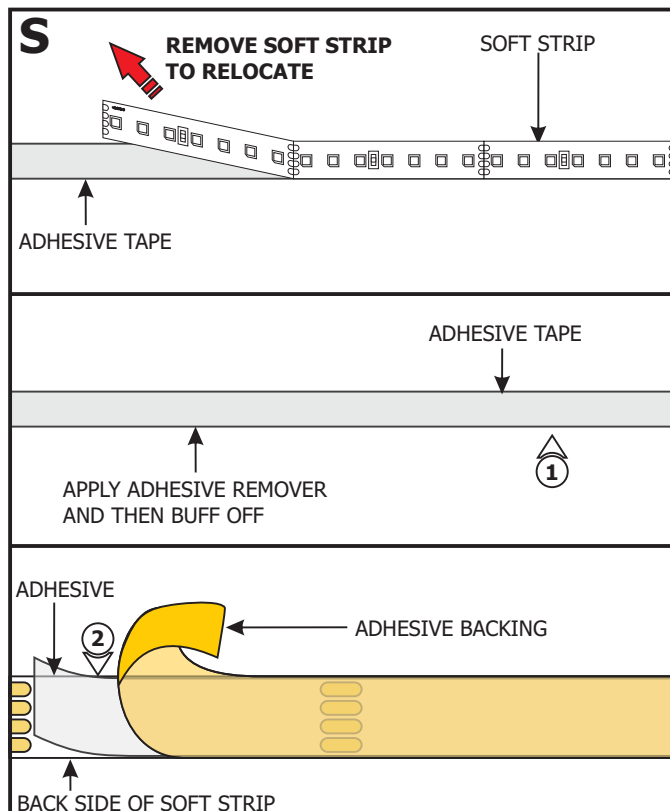
0-10V CONTROLLER
CONTROL INPUT 1
(DIMMING INTENSITY)

0-10V CONTROLLER
CONTROL INPUT 2
(DIMMING COLOR TEMP)

IMPORTANT INFORMATION REGARDING INSTALLATION AND REWORK OF SOFT STRIP LED



Section Four: Relocating Soft Strip (Optional)



NOTE: If relocating the installed soft strip, make sure that the adhesive tape on back of the soft strip covers the entire strip. The adhesive tape isolates the strip from the installation surface. Damaged or inconsistent adhesive tape may cause the contacts on the back of the strip to come in contact with the conductive heat sink which will cause the strip to short and burn. Call Edge Lighting to get replacement adhesive tape and/or optional aluminum heat sink tape (SS-HR-F).

- 1:** To remove tape residue from back of the strip, apply WD-40, Goo Gone, or a mixture of warm water and lemon oil to the corner of a clean, dry towel. Gently buff the area containing the adhesive residue until it is completely removed.
- 2:** Gently remove a few inches from one side of the tape backing. Attach the adhesive tape to the back of the soft strip and apply moderate pressure to affix the tape. Continue this step a few inches at the time until the entire adhesive tape is attached to back of the soft strip.
- 3:** Refer to Section Three to reinstall the LED strip.