



1718 W. Fullerton Chicago, IL 60614
 Ph: 773.770.1195 • Fax: 773.935.5613
 www.PureEdgeLighting.com • info@PureEdgeLighting.com
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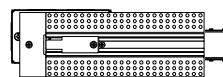
Installation Instructions for TruCurve 1 Straight Channel End Feed Power Connector - Traditional Dimming, 0-10V, DMX & DALI

TCS1-EP_

IMPORTANT INFORMATION

- This instruction must be used concurrently with other TruCurve DIY installation instructions.
- This product is wall or ceiling mount.
- This instruction shows a typical installation.
- 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

A HORIZONTAL ORIENTATION

PHILLIPS SCREW

JUNCTION BOX

INSTALLATION DIRECTION

ADJUSTABLE MOUNTING BAR

MOUNTING BRACKET

VERTICAL ORIENTATION

PHILLIPS SCREW

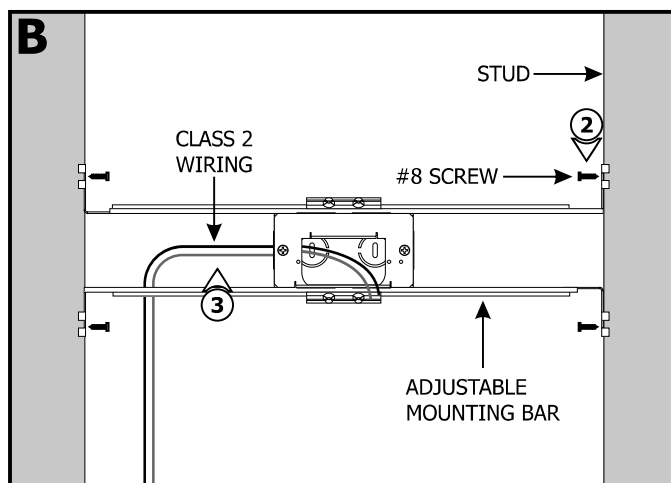
JUNCTION BOX

INSTALLATION DIRECTION

ADJUSTABLE MOUNTING BAR

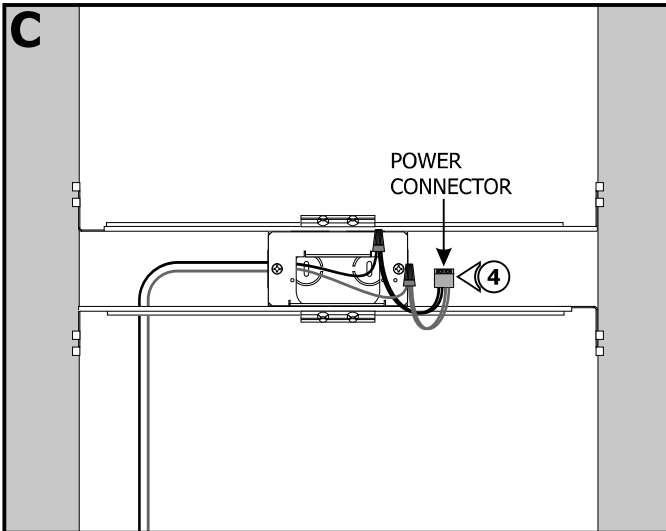
MOUNTING BRACKET

1: Mount each adjustable mounting bar to one side of the junction box and secure them with the mounting brackets and Phillips screws provided.



NOTE: 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:** Place the adjustable mounting bar tabs against the studs. Secure the adjustable bars to the studs with the #8 screws.
- 3:** Run the Class 2 24VDC low voltage wires coming from the remote power supply to the junction box. Only install conduit if required by local electrical codes.



NOTE: If the installation requires RGB, RGB+W, Tunable White or RGBTW refer to wiring diagrams on pages 6 through 8.

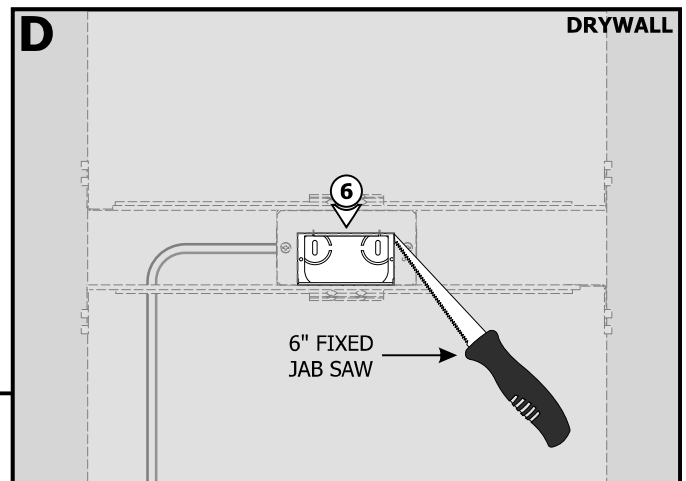
NOTE: Remote power supply wires must be present in junction box. Refer to instructions provided with power supply.

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

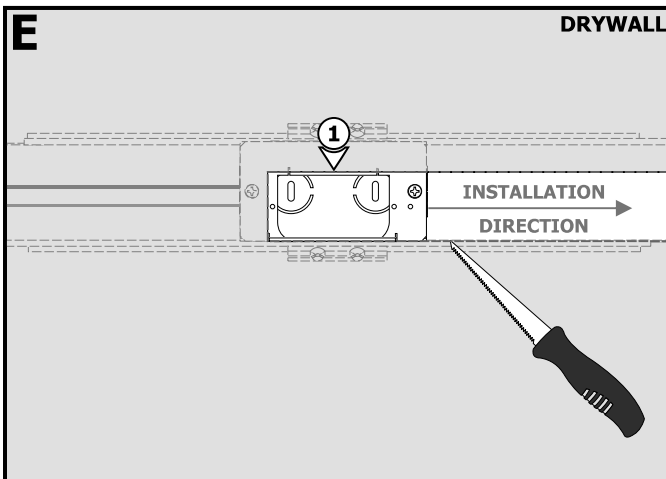
5: Place all wire nut connections inside the junction box.

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.

6: Cut a section of drywall using a 6" fixed jab saw or other appropriate tool to expose the mounting plate area. Install the drywall.

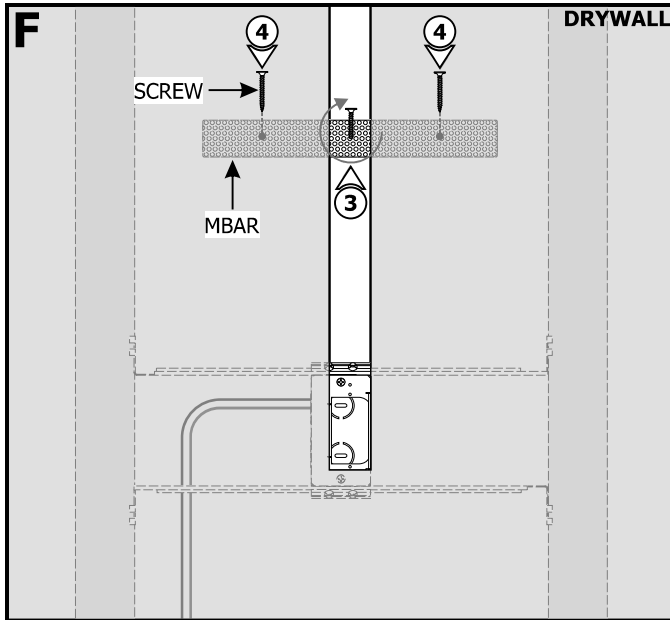


Section Two: Prepare and Install the End Feed Power Connector



1: Mark and cut out the area where the installation will be located using the junction box opening as a guide (MIN 1-1/4").

2: Refer to Section Three and Four in the TruCurve 1 Channel instructions to measure and cut the channel before continuing.

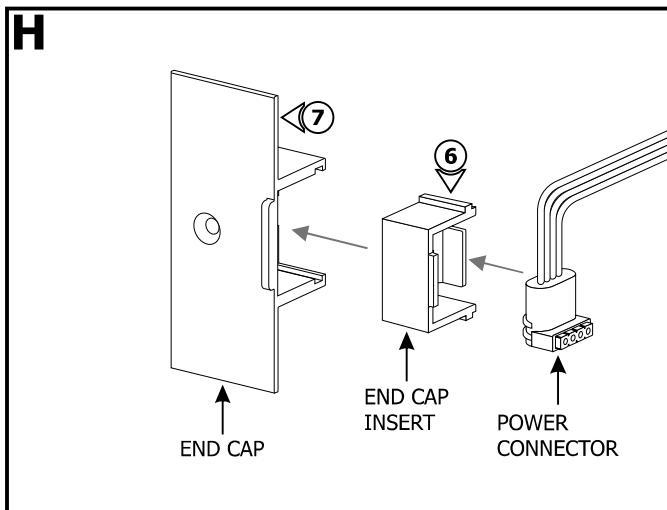
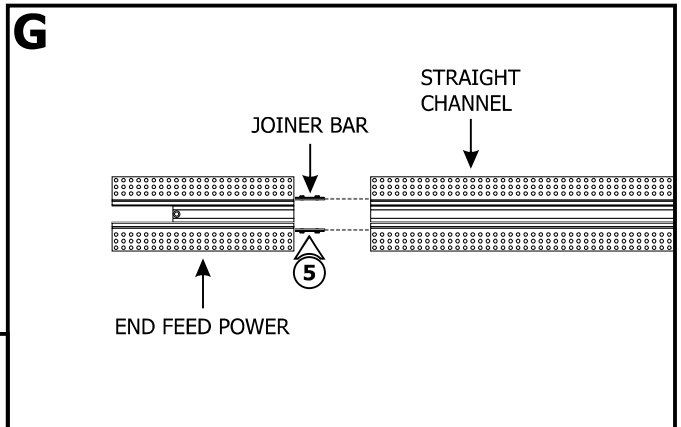


NOTE: Ensure the channel is supported with either a stud or mounting strap. To install the channel without standard-spaced studs, install perforated mounting straps (MBAR).

3: Thread a drywall screw into the perforated material. Use the screw to hold and place the mounting strap behind the drywall, and then rotate it in place.

4: Secure the mounting strap to the drywall on each side of the junction box using two drywall screws. Mark the location of the mounting strap on the drywall.

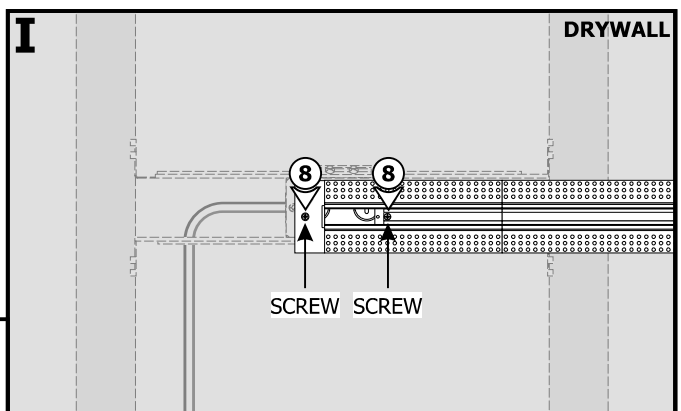
5: Slide a straight channel onto the joiner bars of the End Feed Power Connector and tighten the remaining M3 set screws using a 1.5mm Allen wrench.

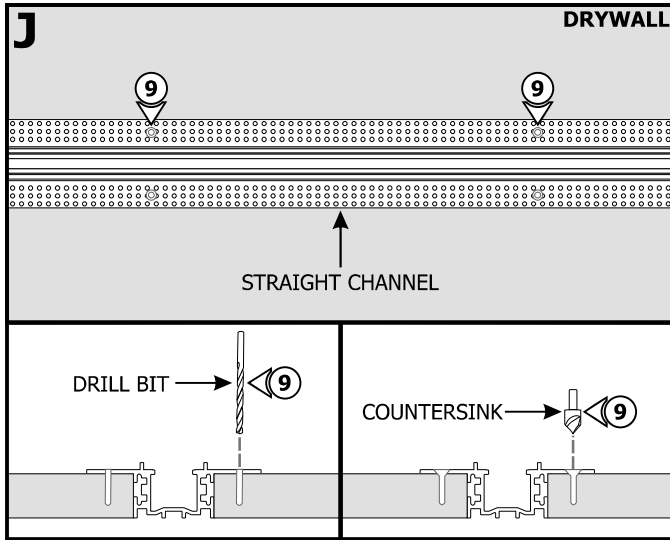


6: Rotate the power connector and bend the wires to place the power connector into the end cap insert (CASI).

7: Slide the end cap insert and power connector into the end cap.

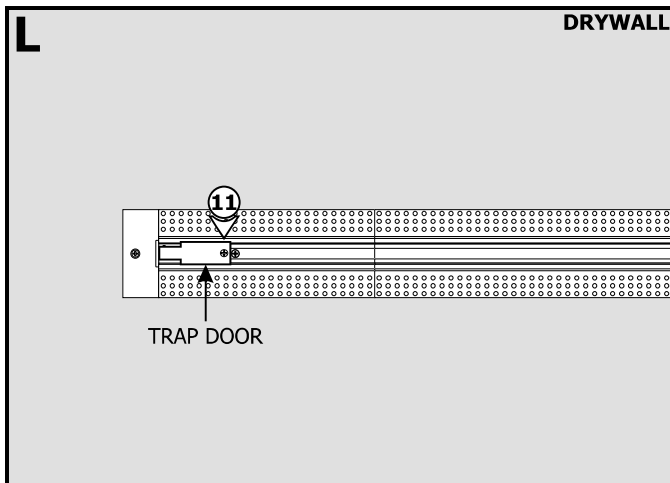
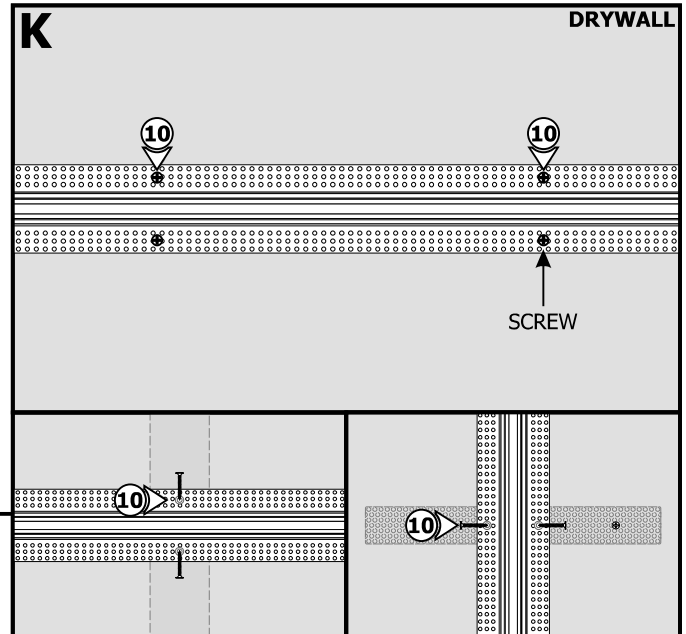
8: Place the assembled channel and end cap to the drywall cutout. Attach the assembled trap door frame and channel and end cap to the junction box using the Phillips screws.





9: Using the marked stud and mounting strap locations on the drywall, drill and countersink the channel using the provided square drill with countersink bit.

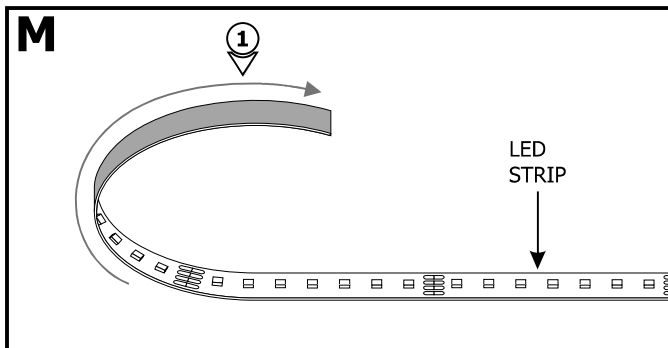
10: Properly secure the channel to the marked studs and mounting straps using drywall screws (**DO NOT over tighten**). Ensure all screw heads are flush with the channel surface.



11: Replace the trap door and secure using the Phillips screw.

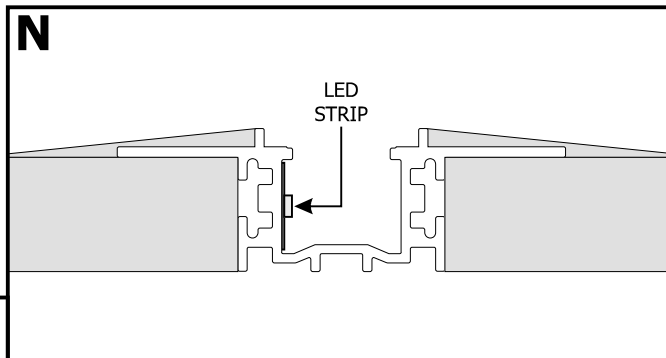
NOTE: Refer to the TruCurve 1 Channel instructions to plaster before continuing.

Section Three: Install the LED Strip

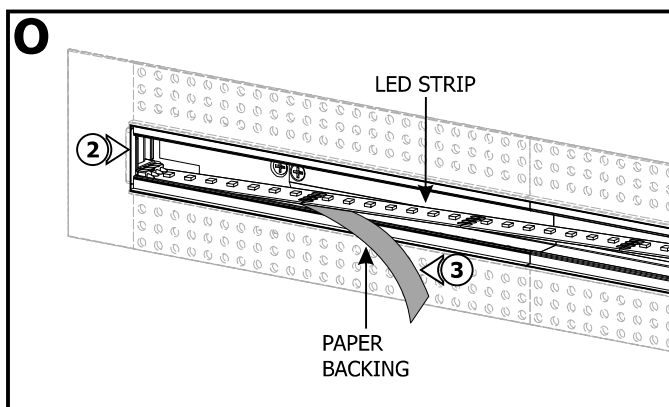


NOTE: LED Strip may not properly adhere to the channel surface unless the channel is cleaned with alcohol prior to application.

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



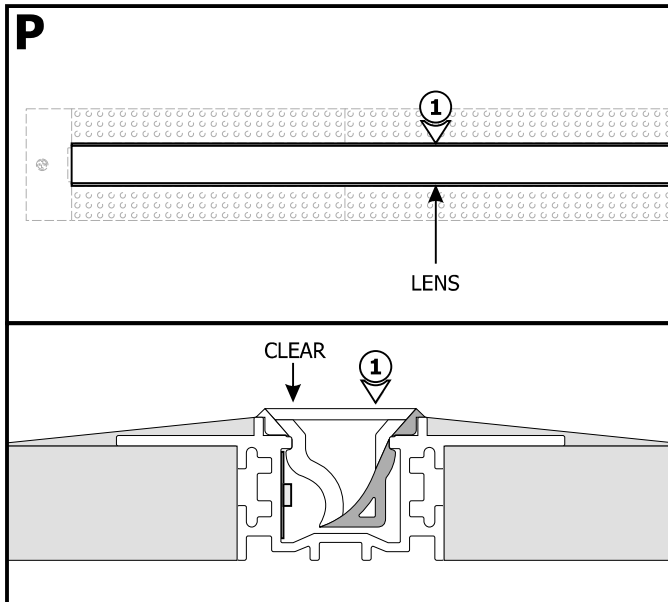
NOTE: The LED strip is placed on either side of the channel.



2: Carefully remove the backing from the LED Strip, making sure not to remove the tape from the LED Strip. Line up the "+" wire side of the power connector with the "+24V" marking on the LED Strip. Push the male connector of the strip into the power connector.

3: Firmly press down the adhesive portion of the LED Strip onto the side of the channel while removing the rest of the backing, making sure there are no air bubbles that can cause surface irregularities.

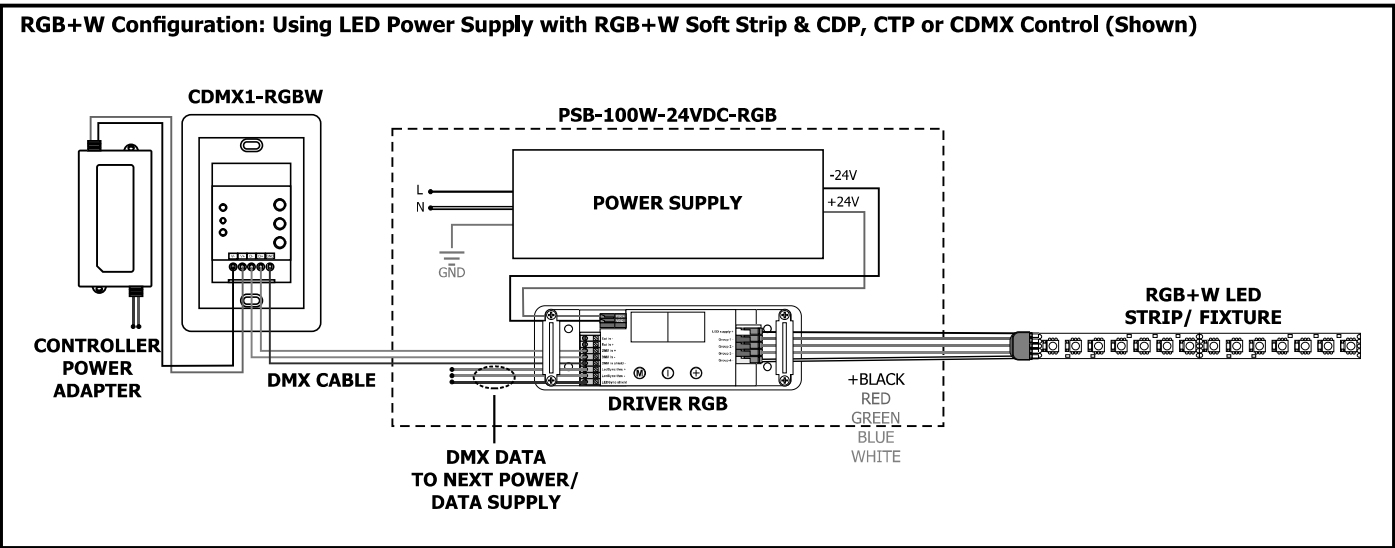
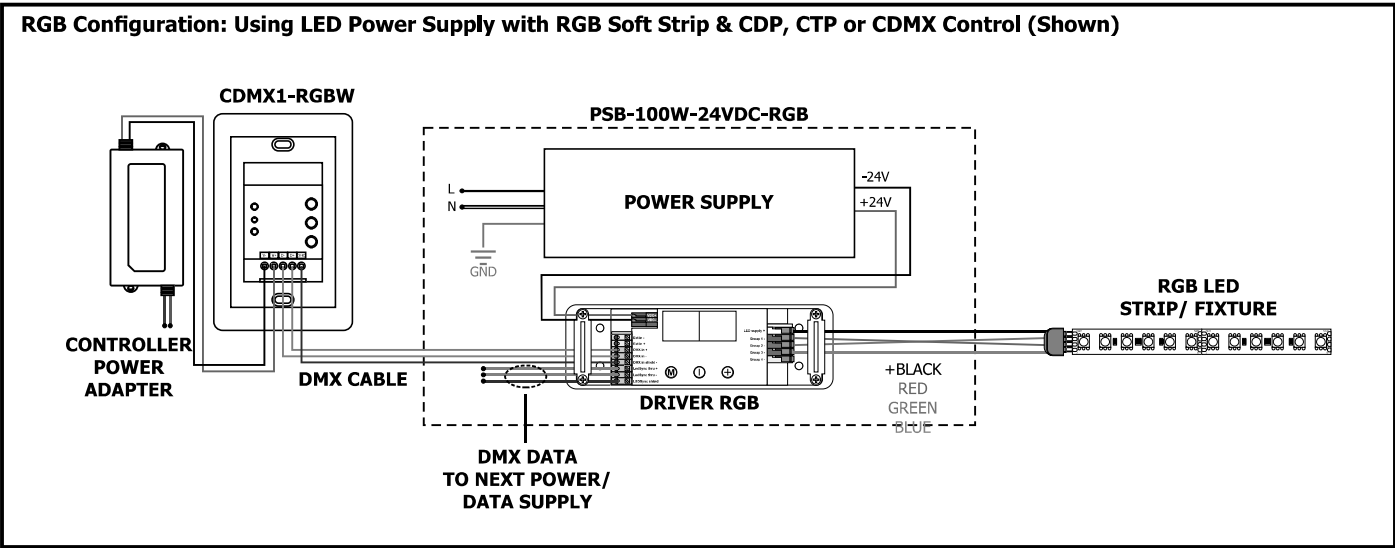
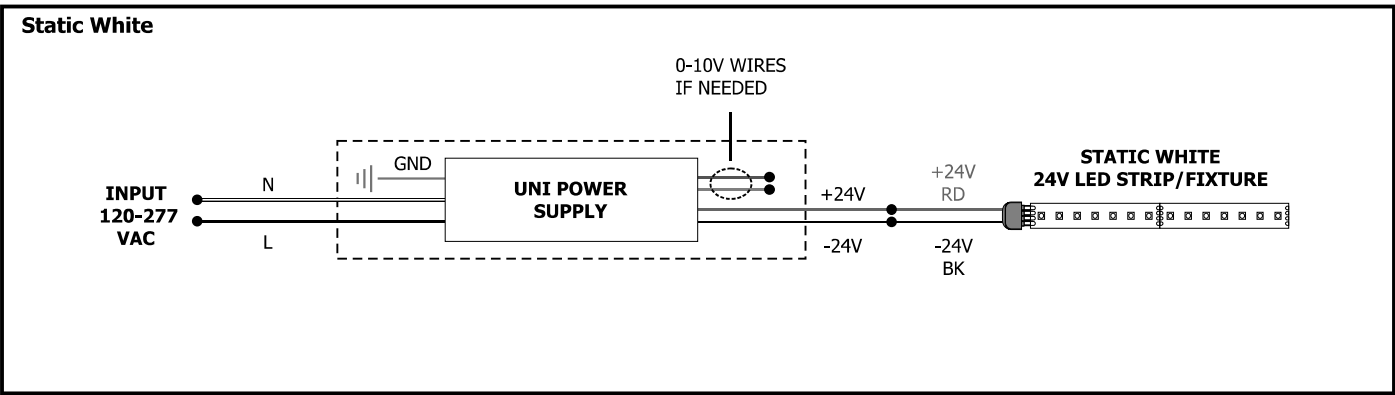
Section Four: Lenses



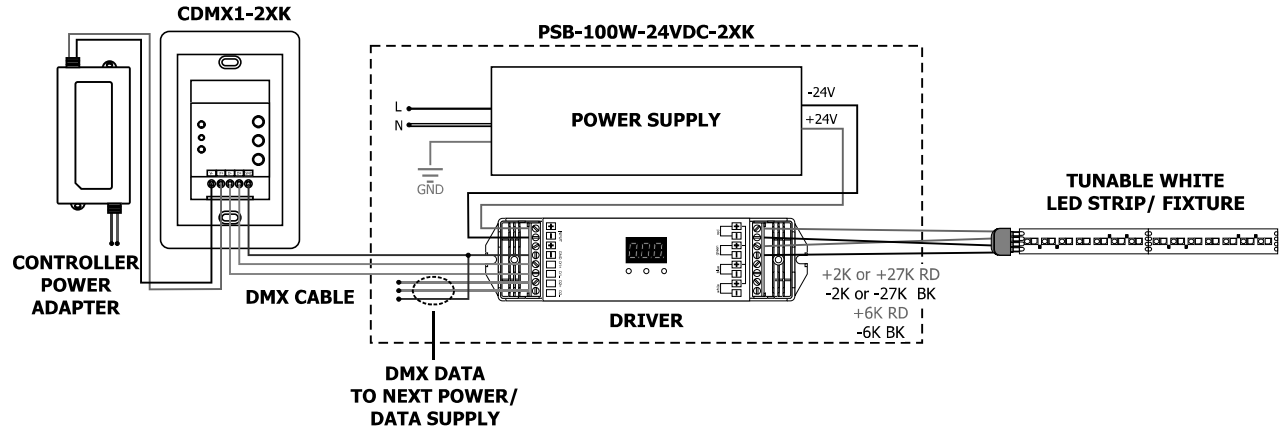
1: Align the clear side of the lens with the strip. Carefully push the lens completely inside the channel.

NOTE: Use the lens for the final clean installation. **Do Not** use the mudding cover.

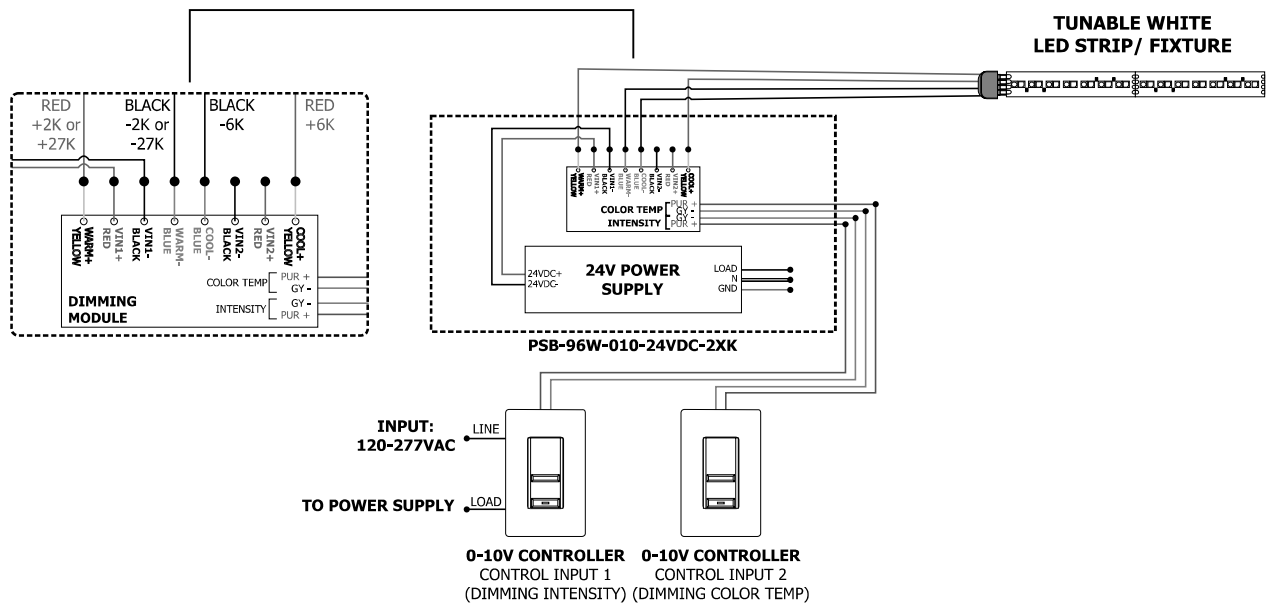
General Wiring Diagrams



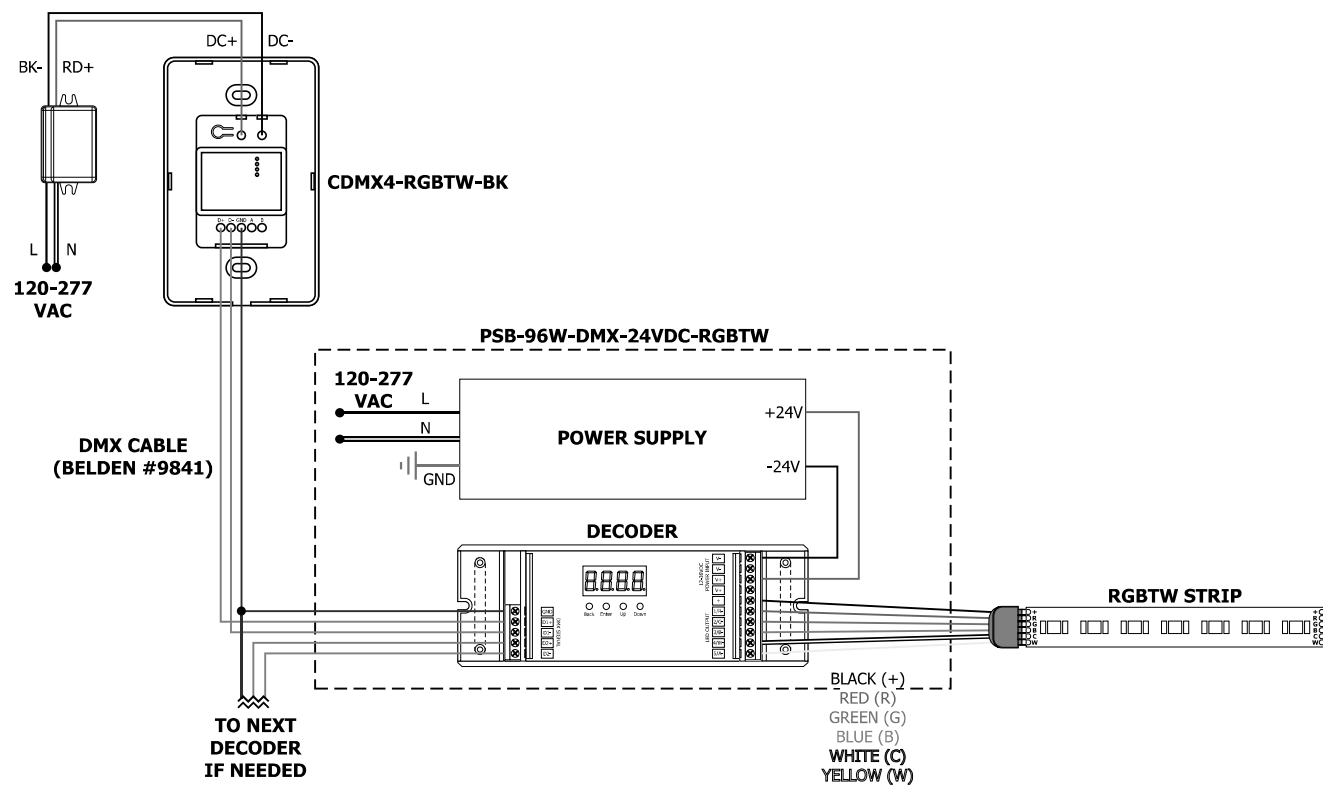
Tunable White: 2XK Power Supply with CDMX Controller



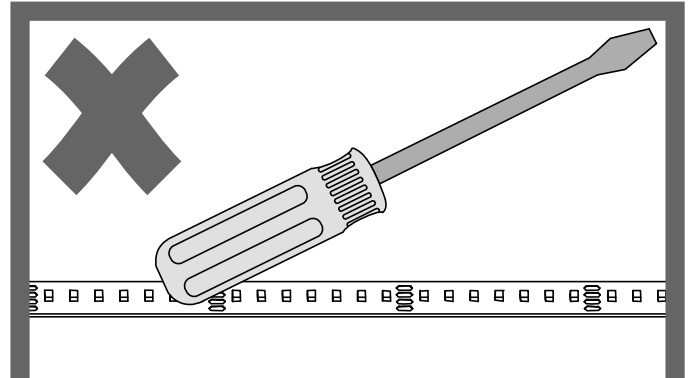
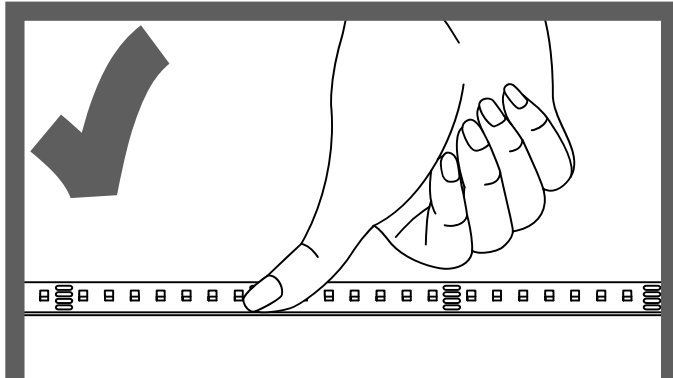
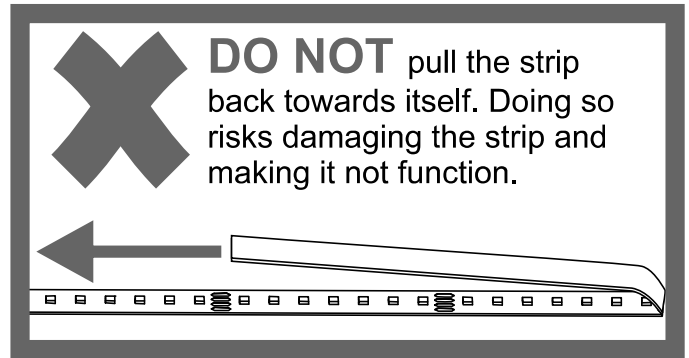
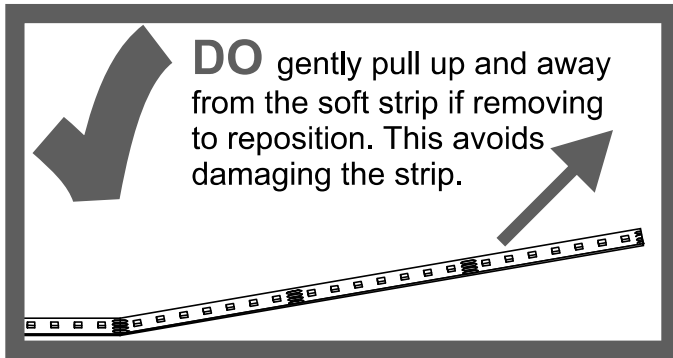
Tunable White: LED Power Supply with two Channel Controls, for Intensity and Color Temperature



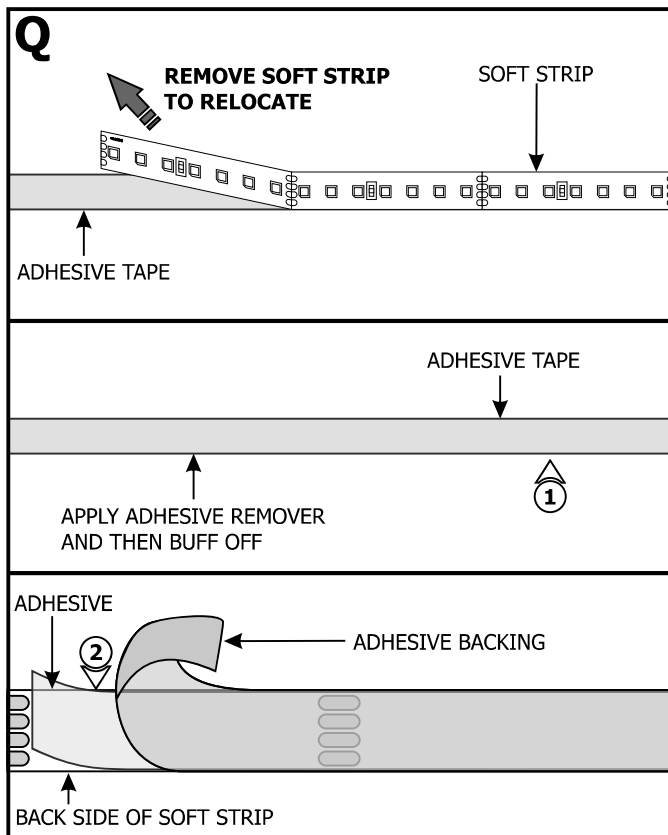
RGBTW: DMX Power Supply with CDMX Controller



IMPORTANT INFORMATION REGARDING INSTALLATION AND REWORK OF SOFT STRIP LED



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 PureEdge 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 a time until the entire adhesive tape is attached to the back of the soft strip.
- 3:** Refer to Section Three to reinstall the LED Strips.