

## Installation Instructions for **Reveal Wall Wash 2 Channel and Lens** RVWW2-CHLN-



### IMPORTANT INFORMATION

- This instruction shows a typical installation.
- Reveal Wall Wash must be mounted 24" away from the wall.
- This instruction must be used concurrently with other Reveal Wall Wash 2 DIY installation instructions.
- This product is ceiling mount only.
- This product must be installed by a qualified electrician and in accordance with local electrical codes.

**SAVE THESE INSTRUCTIONS!**

### GENERAL INSTALLATION VIDEO



Scan with your mobile device to watch a typical installation video or visit  
[www.pureedgelighting.com/purevideos/reveal\\_wall\\_wash\\_installation/](http://www.pureedgelighting.com/purevideos/reveal_wall_wash_installation/)

## Section One: Install the Remote Power Supply

**A**



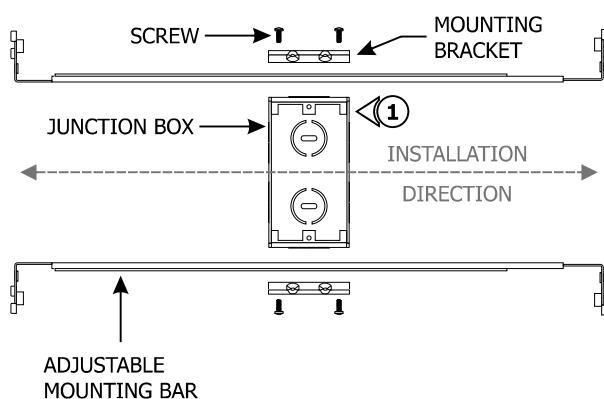
REMOTE POWER SUPPLY

**1:** Remote power supplies must be installed within 40ft of the junction box. Refer to the instructions and wiring diagram provided with the remote power supplies.

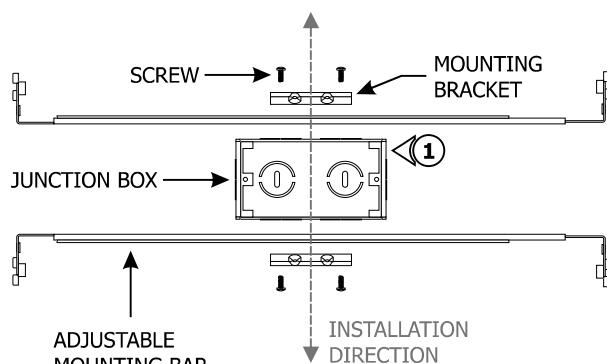
## Section Two: Install the Junction Box

**B**

### VERTICAL ORIENTATION

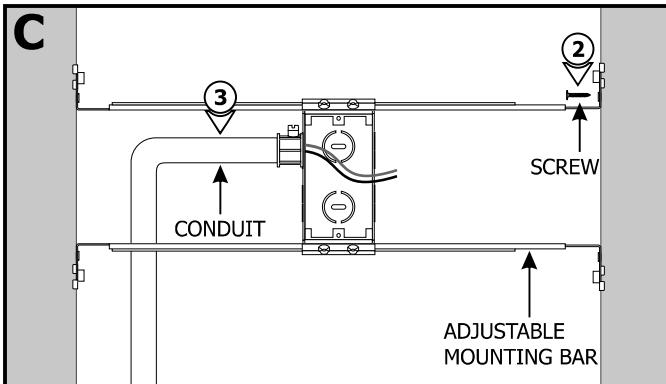


### HORIZONTAL ORIENTATION



**NOTE:** Before beginning any electrical work, ensure that power to the electrical box is turned off.

**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.

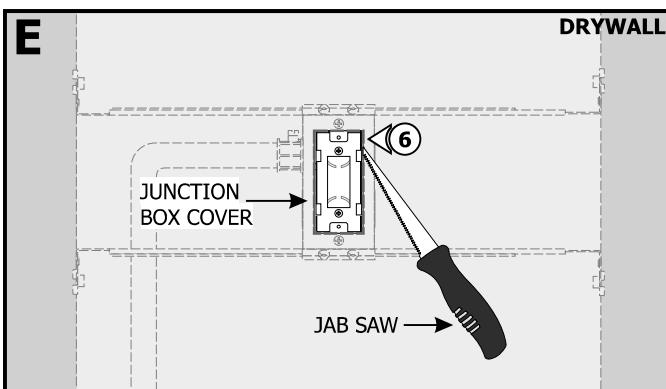
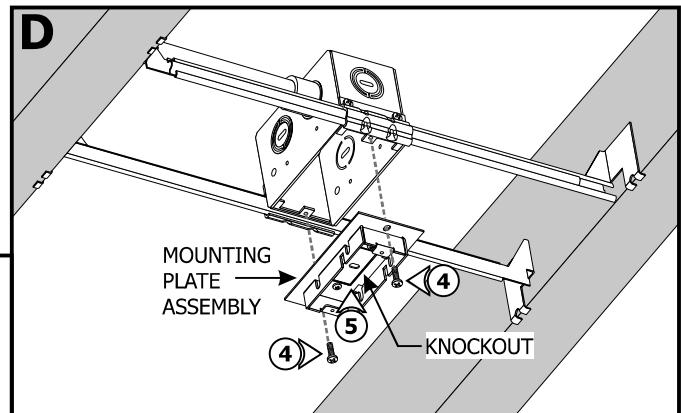


**NOTE:** The adjustable mounting bars mount to studs that are spaced 15"-24" apart. If the span needs to be shorter than 15", then break the bar arms from dedicated lines.

- 2: Place the adjustable mounting bar tabs against the ceiling joists. Secure the adjustable bars to the joists with screws.
- 3: Install conduits (if required by local electrical code) and run the low voltage 24VDC wires coming from the remote power supply to the junction box.

4: Place the mounting plate assembly over the junction box and secure with the two screws provided.

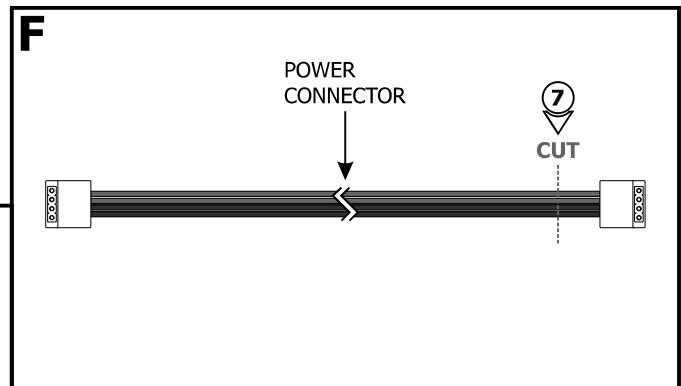
5: Remove the knockout on the mounting plate using a flathead screw driver or other appropriate tool.

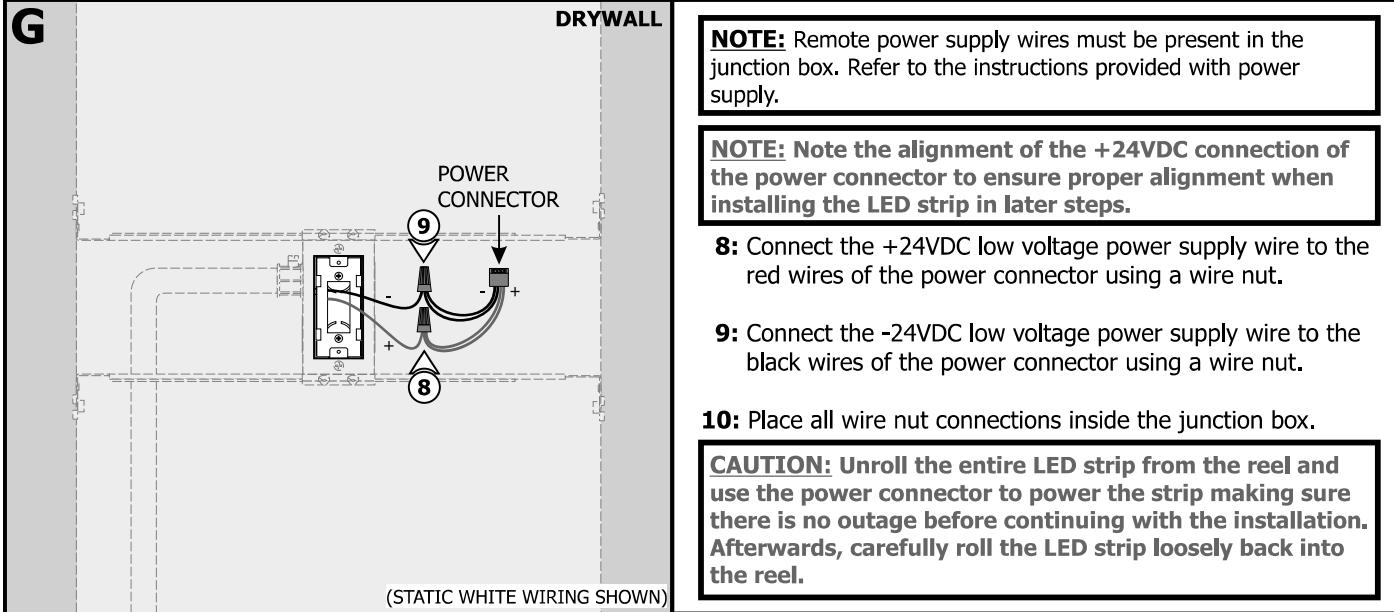


6: Cut a section of drywall using a 6" fixed jab saw or other appropriate tool to expose the junction box cover area. Install the drywall.

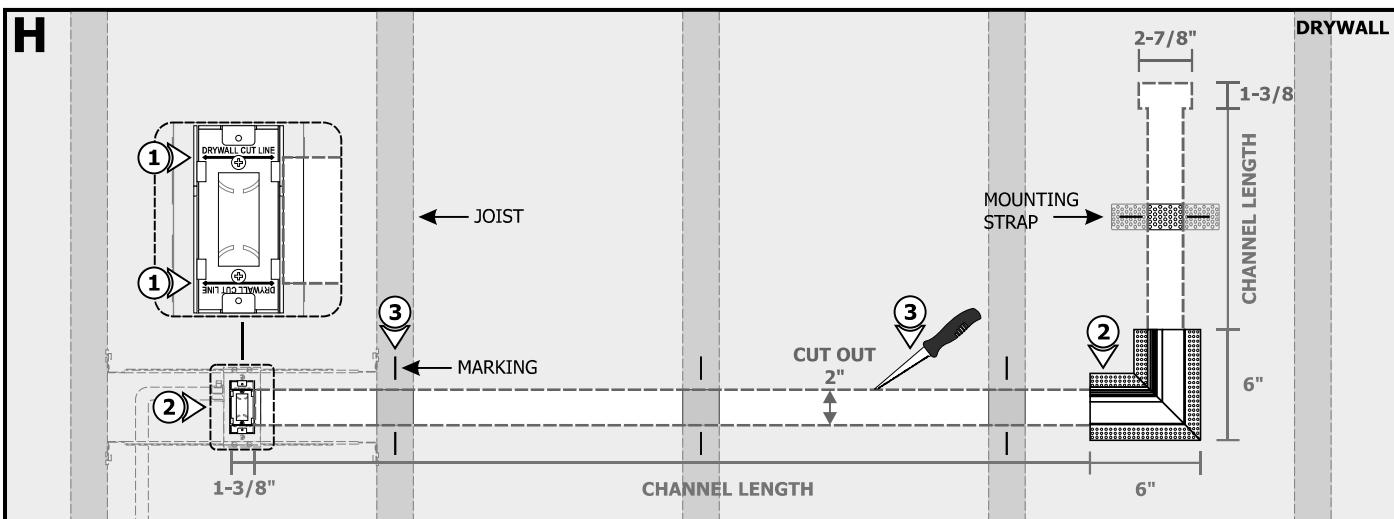
7: Cut the end of the power connector that is going to be connected to power. Discard the unused connector. Strip the ends of the wires.

**NOTE:** If installation requires RGB, RGB+W, Tunable White or RGBTW, refer to wiring diagrams on pages 10 through 12.

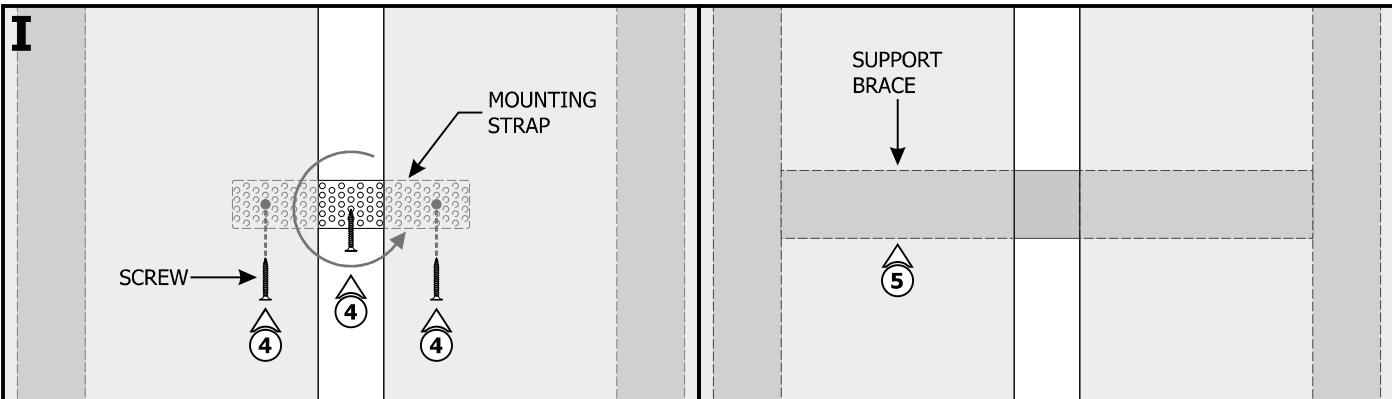




### Section Three: Lay the Drywall and Cut the Drywall for the Channel



- 1: Mark the area where the installation will be located on the ceiling using the Drywall Cut Lines on the mounting plate as a guide (MIN 2"). Allow for MIN 1-3/8" x 2-7/8" extra space at the end of the installation for the optional Take-Up Box. The Take-Up Box is used when there is excess LED strip (less than the cuttable section) is exposed behind the channel.
- 2: Place the desired DIY Channel Connectors against the ceiling. Ensure the connector is aligned with the installation location. Mark the location of each DIY Channel Connector to determine the cut length of the channel and lens.
- 3: Cut out the marked area on the drywall using a jab saw or other appropriate tool. Mark the location of the ceiling joists to the drywall for future reference.



**NOTE:** To install the channel in a wall without standard-spaced studs, install perforated mounting straps every 32" behind the drywall.

**NOTE:** For areas with lots of vibrations, it is suggested to install 2x4 support braces (suggested spacing is every 32") before installing and finishing drywall to avoid cracking of plaster. Refer to step 5.

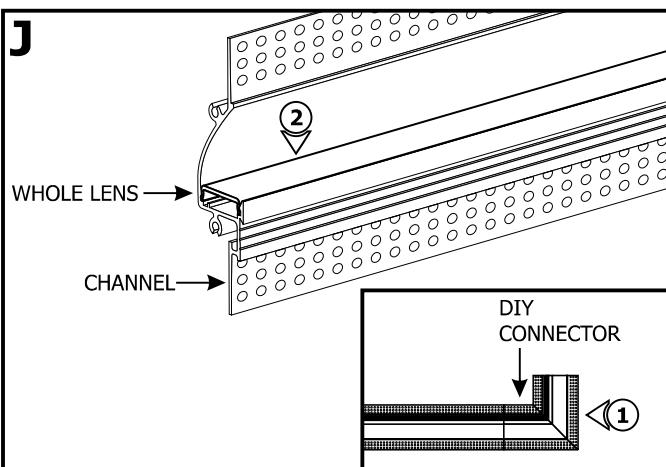
#### Additional Mounting Support:

**4:** Thread a drywall screw into the perforated material. Place the mounting strap behind the drywall and rotate into place using the drywall screw. Secure the mounting strap to the drywall using two drywalls screws. Mark the location of the mounting strap on the drywall.

#### Alternate Installation Option:

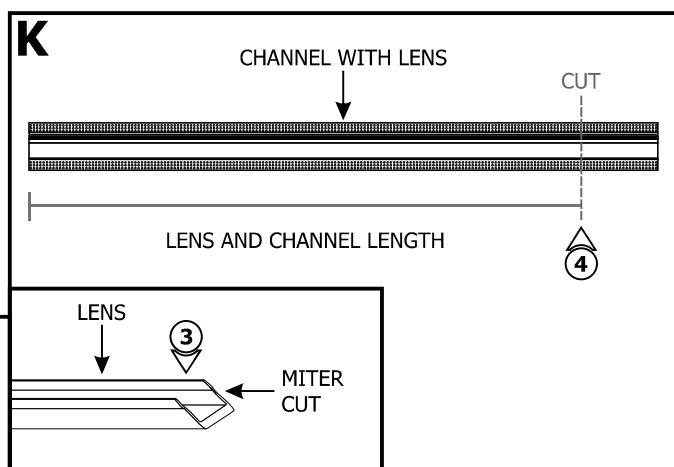
**5:** Install 2x4 support braces (suggested spacing is every 32") before installing and finishing drywall.

## Section Four: Install the Channel



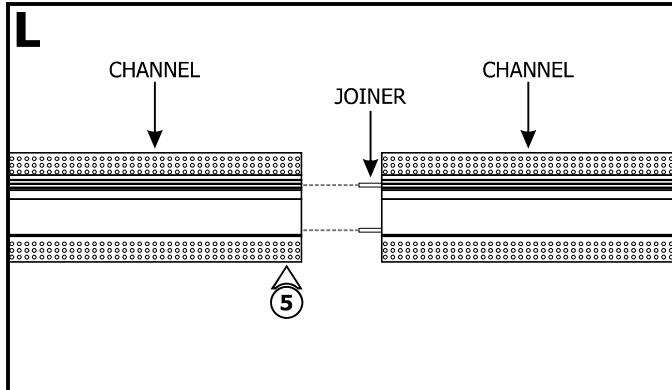
**1:** If necessary, consider attaching the DIY connectors to the channel before cutting to length.

**2:** Snap the whole lens into the channel and DIY connectors **BEFORE** cutting to length. This ensures a proper fit after installation.



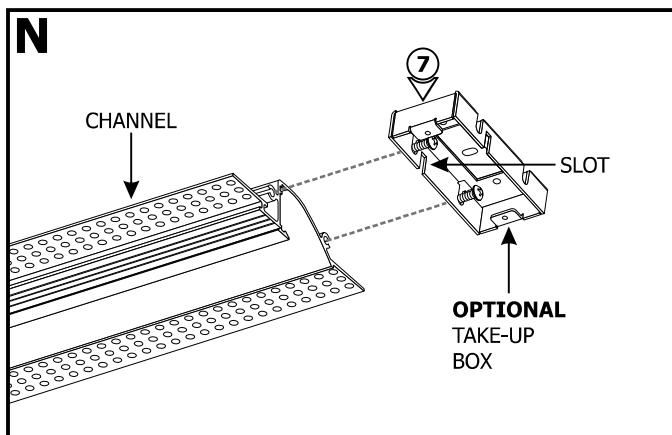
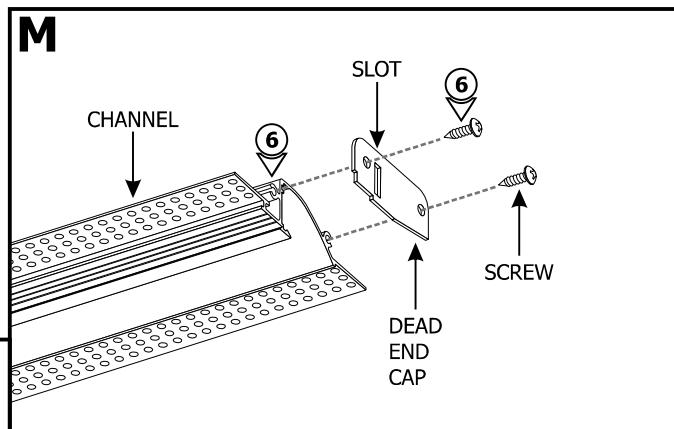
**3:** Depending on the design, use the precut lenses provided with the DIY Connectors as a guide to miter cut the lenses. Discard the precut lenses.

**4:** Cut the channel and lens to match the installation length.



**5:** To join multiple channels and DIY connectors, insert the channel joiners half way into the next channel. Then slide the channel over the joiners.

**6:** Align the dead end cap slot with the LED section at the end of the channel. Attach the dead end cap to the end of the channel using the two screws provided.



#### Optional Take-Up Box:

**7:** Align the LED section of the channel with the slot of the other junction box cover. Attach the assembled channel to the junction box cover using the two screws.

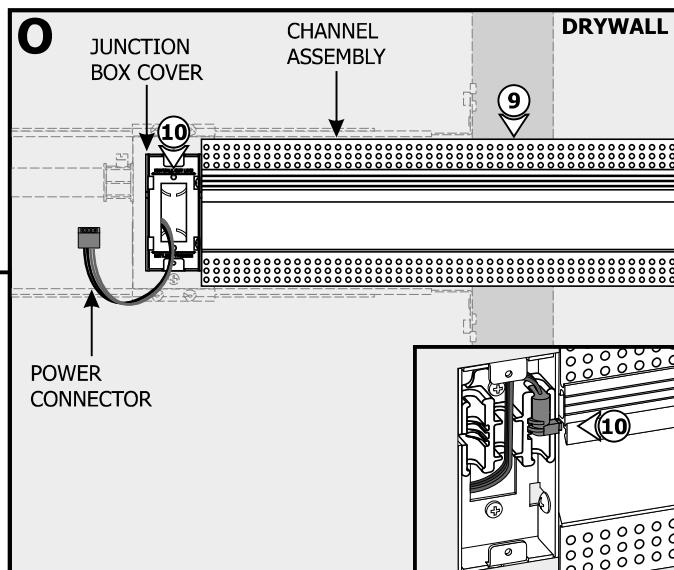
**8:** Discard the dead end cap.

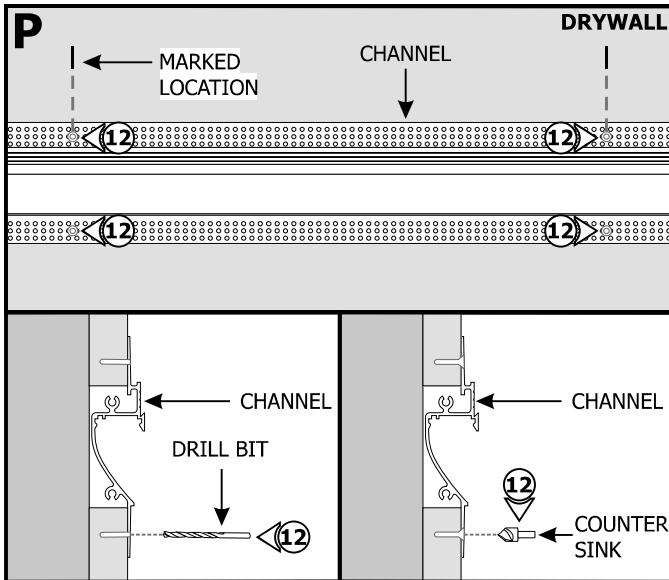
**9:** Push the assembled channel into the cutout area.

**10:** Refer to the instructions provided with the DIY Power Feed Connectors to install the power connectors.

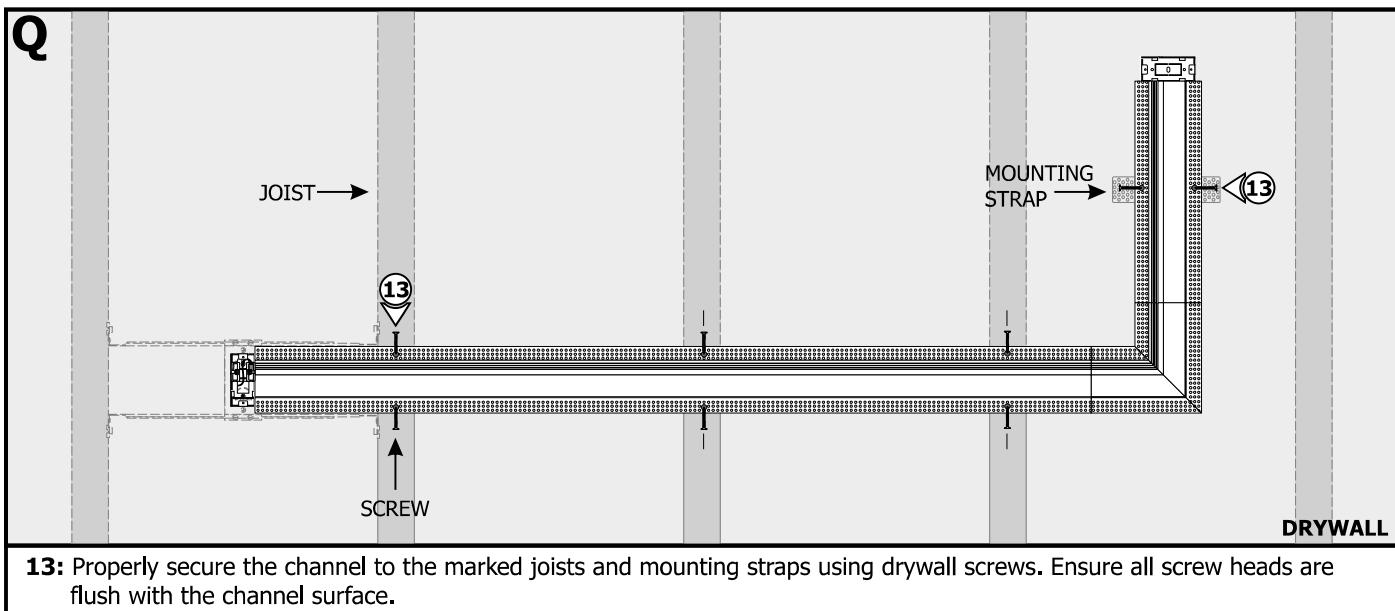
**11:** Make sure the channel is aligned straight using a level.

**NOTE:** Note the alignment of the +24VDC connection of the power connector to ensure proper alignment when installing the LED strip in later steps.

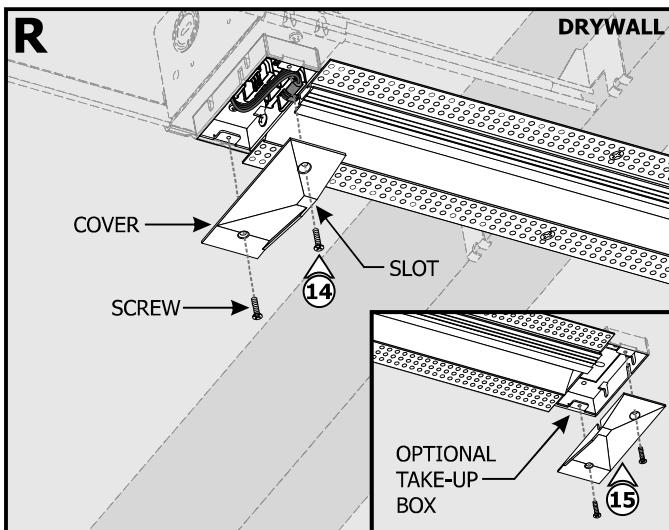




**12:** Using the marked locations on the drywall, drill and countersink the channel using the provided square drill with countersink bit.



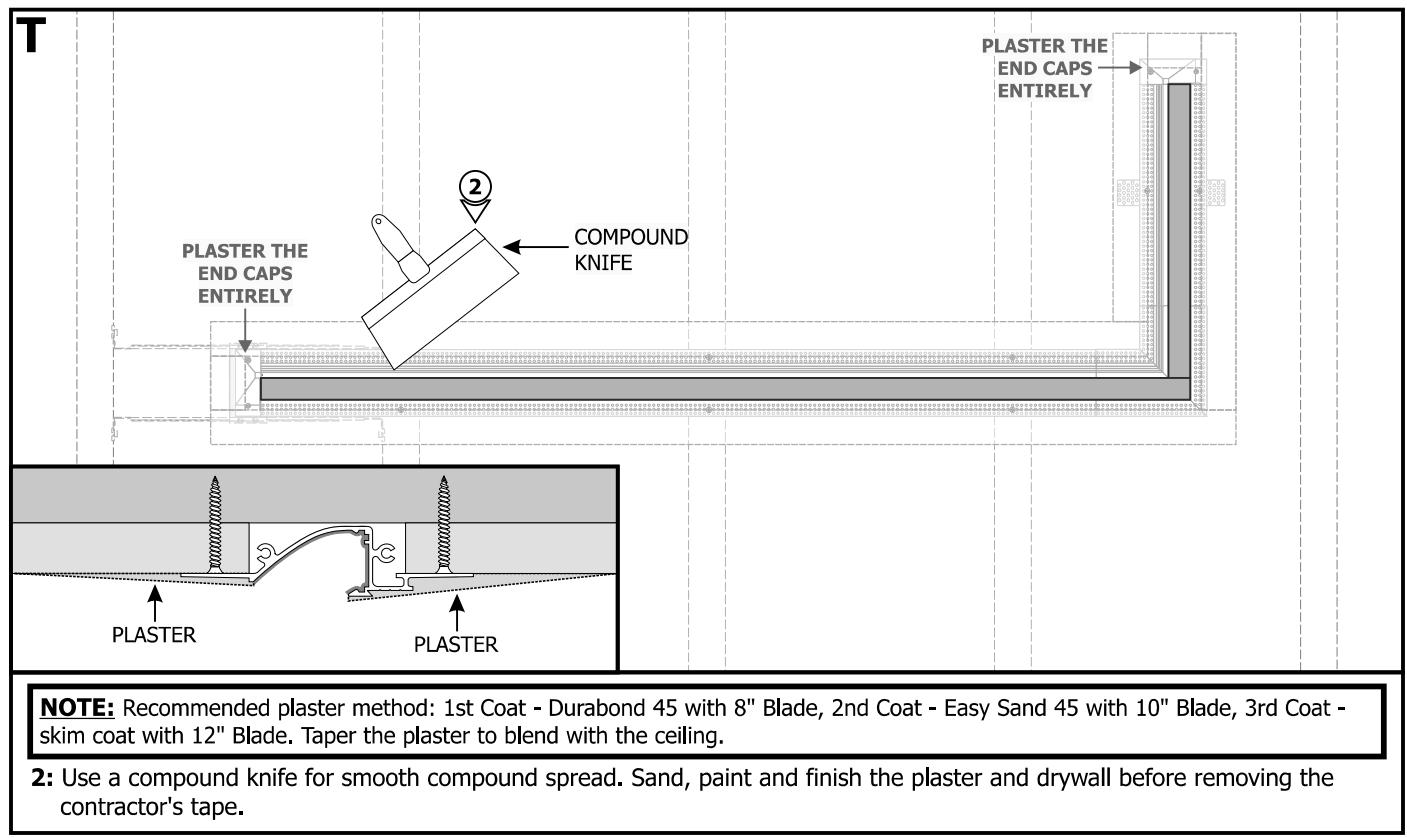
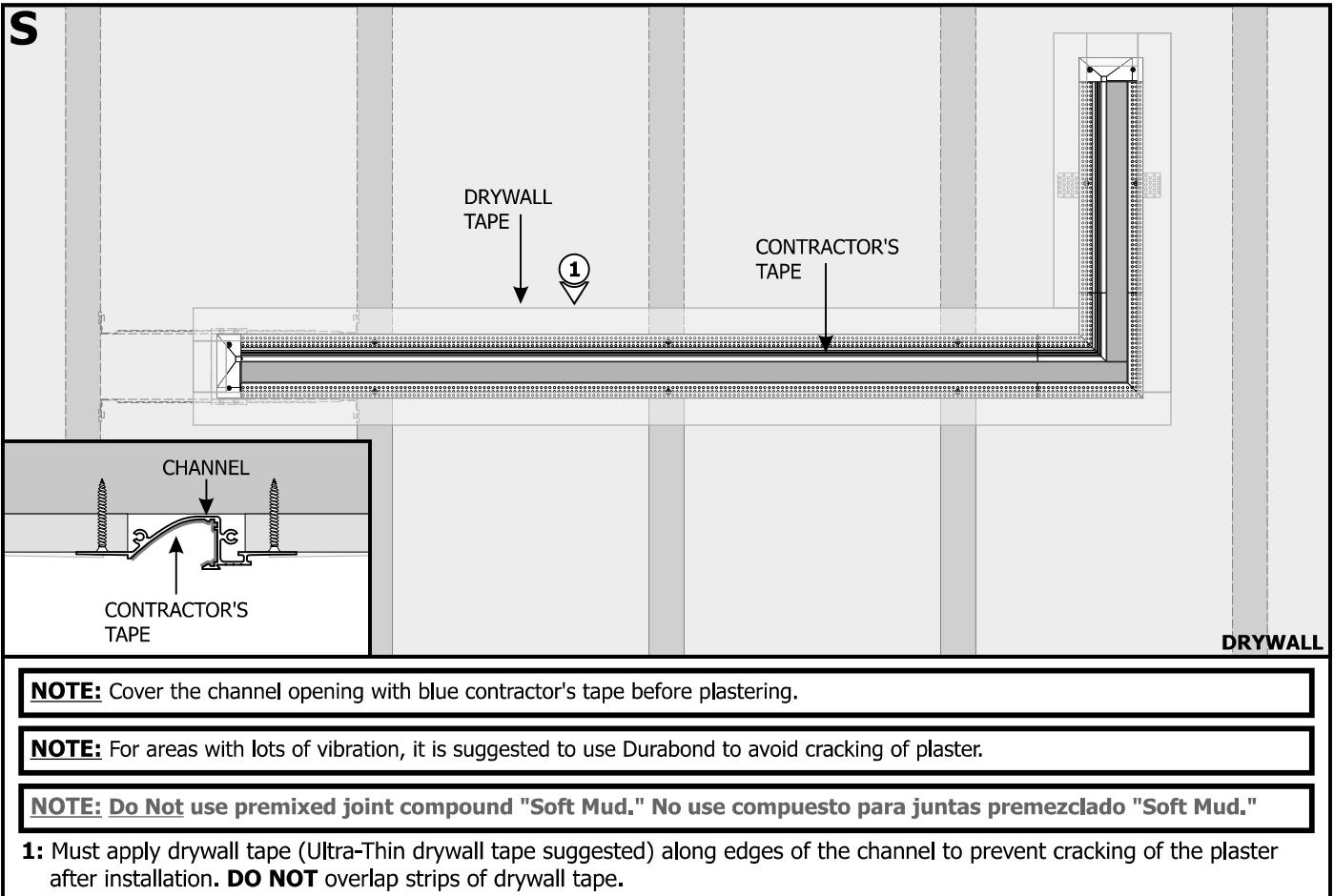
**13:** Properly secure the channel to the marked joists and mounting straps using drywall screws. Ensure all screw heads are flush with the channel surface.

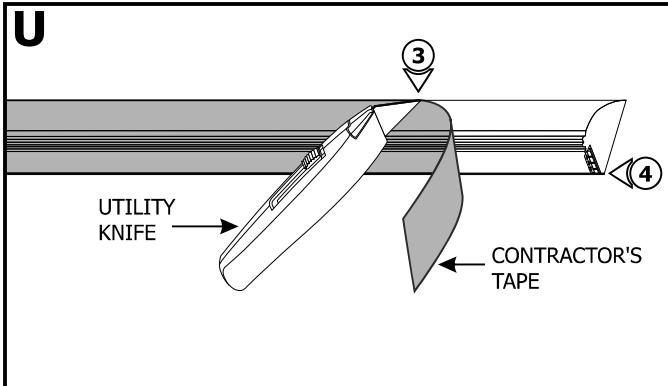


**14:** Align the wall wash cover slot with the LED section of the channel and secure the wall wash cover to the junction box cover using two screws.

**15:** Repeat step 14 to install the cover on the optional Take-Up Box.

## Section Five: Plaster, Sand and Paint



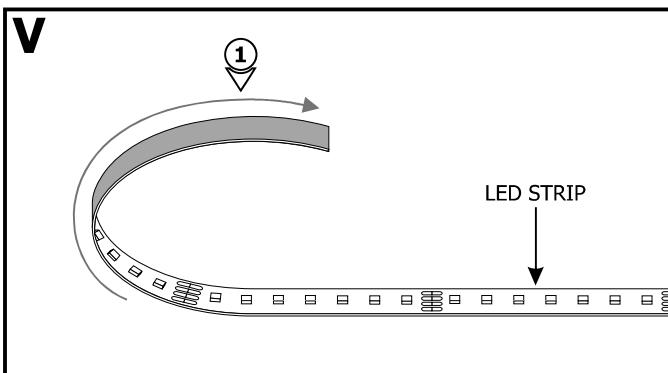


**3:** Use a utility knife to cut along the channel edge while removing the contractor's tape from the channel. This will avoid plaster and paint damage during tape removal.

**4:** Run the utility knife along the channel edge near the area where the LED Strip will be installed to remove any excess paint.

**NOTE:** Clean the channel area where the LED Strip will be installed with alcohol to remove any dust or debris before continuing.

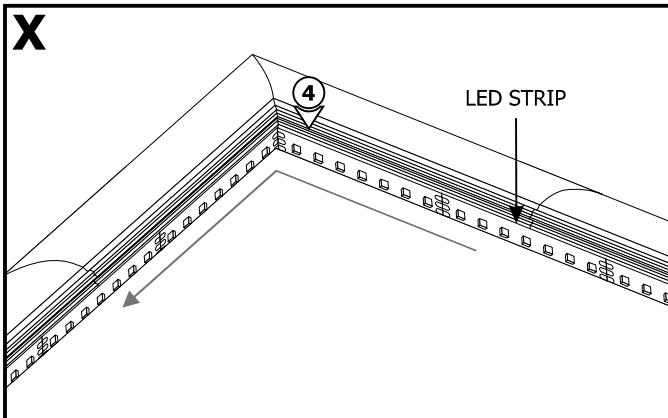
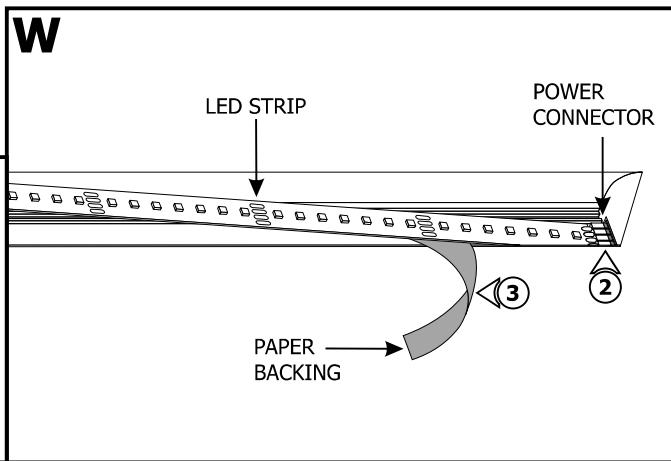
## Section Six: Install the LED Strip



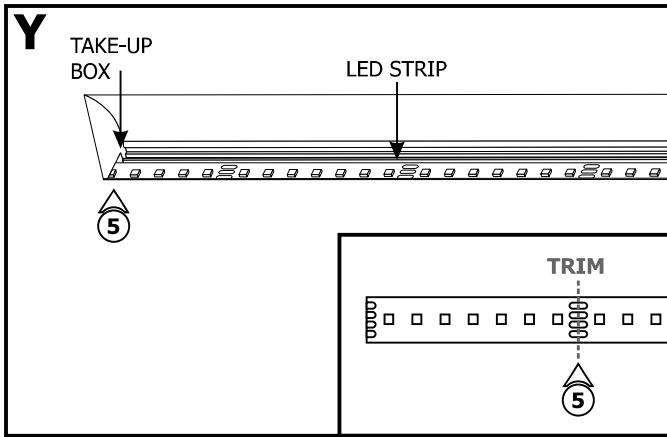
**1:** Gently uncoil the LED Strip before applying to the channel surface otherwise the strip may lift off of the surface.

**2:** Carefully remove the backing from the LED Strip, making sure not to remove the tape from the LED Strip. Line up the "+24V" connection side of the power connector with the "+24VDC" 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 channel surface while removing the rest of the backing, making sure there are no air bubbles that can cause surface irregularities.

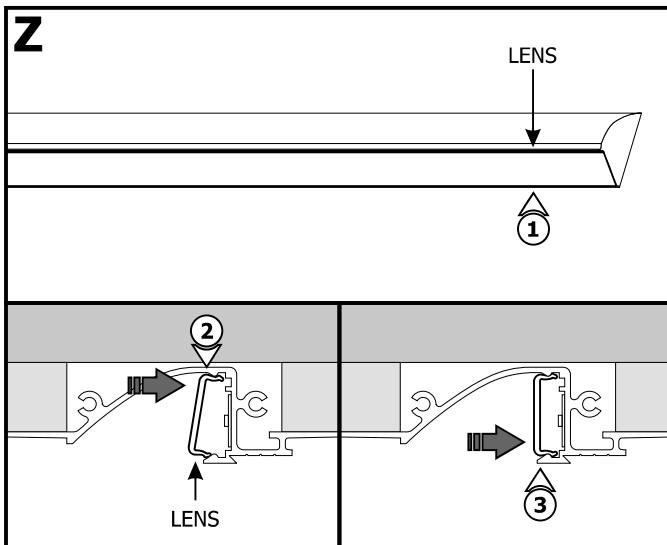


**4:** Bend the LED Strip 90° on the channel to match the installation corner.



**5:** If required, trim the LED Strip on the dashed cuttable section and place the excess LED Strip inside the Take-Up Box. Ensure the entire length of the channel is covered with LED Strips to avoid unlit areas.

## Section Seven: Install the Lens



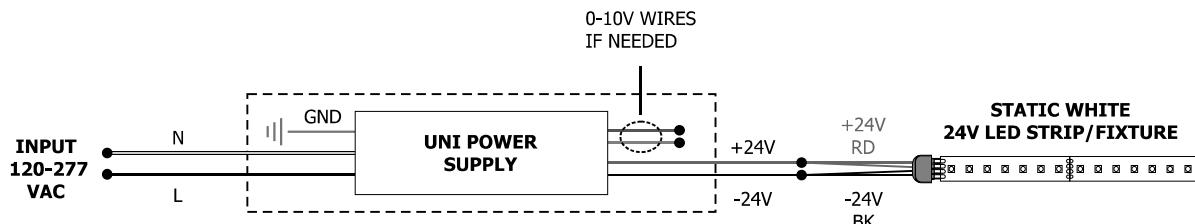
**1:** To avoid seams and light leaks, use the whole lens to cover the power connectors and the rest of the installed channels. Snap the lens onto the channel and connectors. Ensure the lenses are fully seated.

**2:** Push the top part of the lens into the channel first.

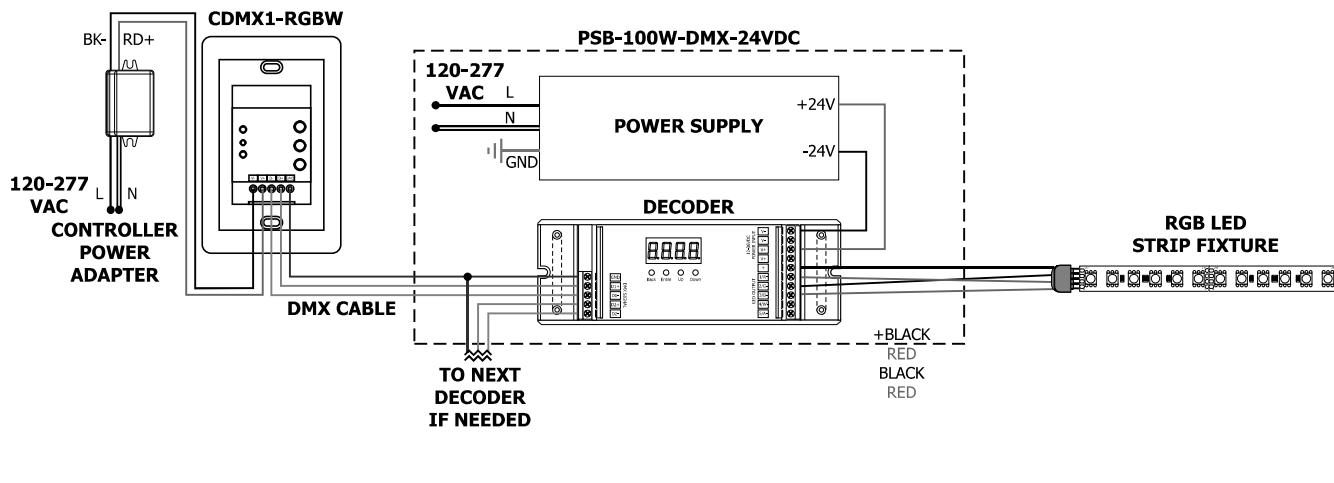
**3:** Snap the rest of the lens into the channel.

## General Wiring Diagrams

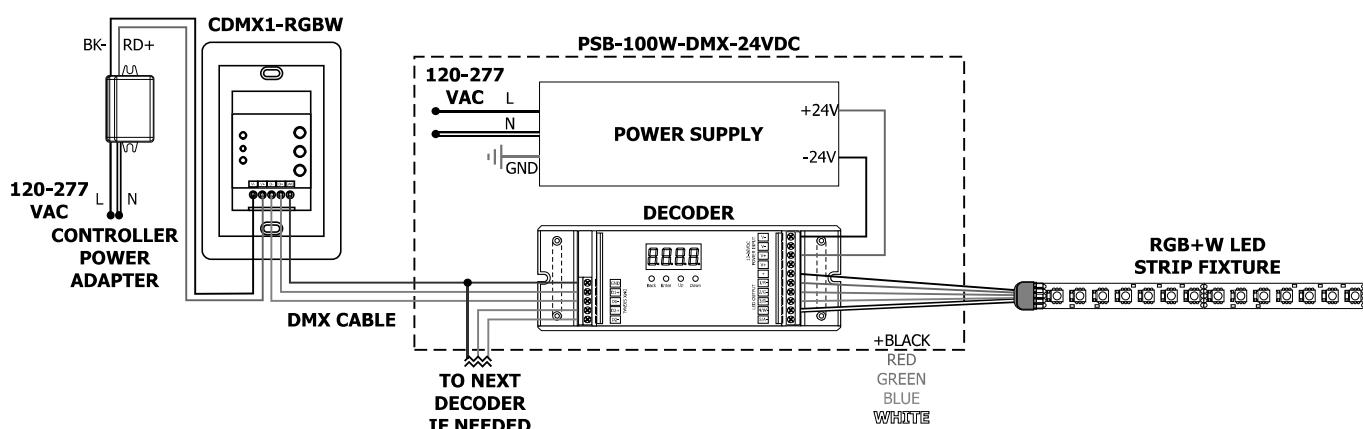
### Static White



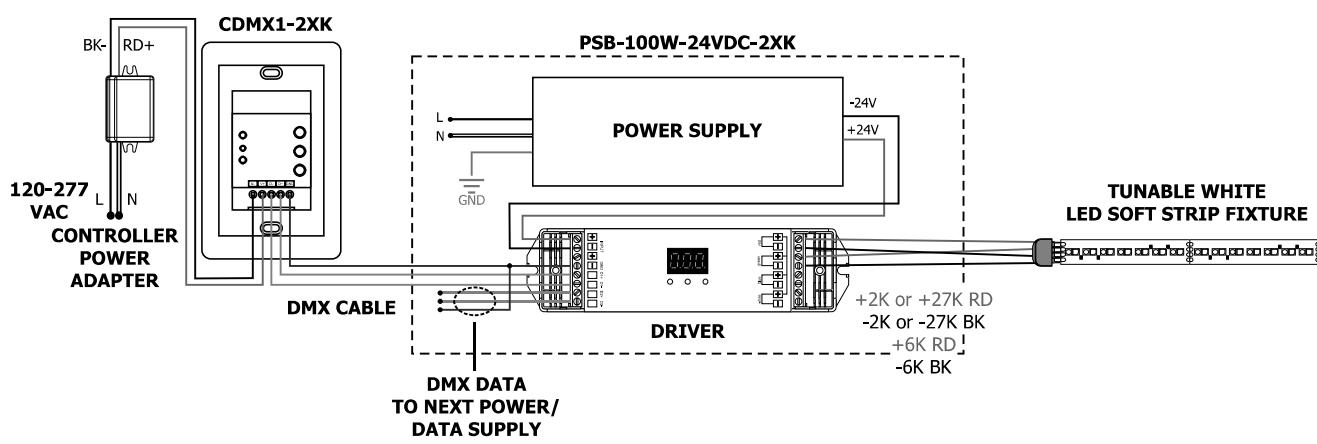
### RGB Wiring



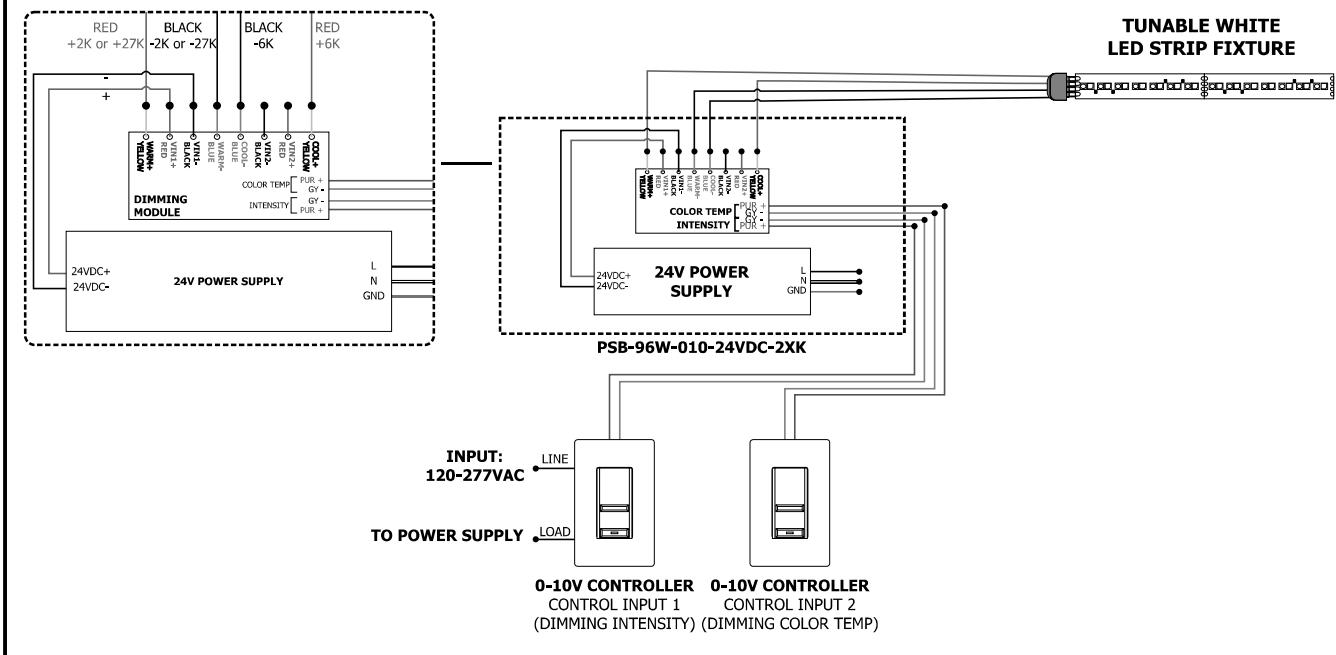
### RGB+W Wiring



### Tunable White: 2XK Power Supply with DMX Controls



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

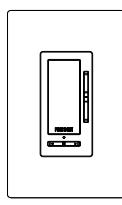


## Section Eight: Pure Smart Room Controller and WiZ Connected App

**Z1**



PURE SMART  
ROOM CONTROLLER  
CWW-TW-SCENE-WH



PURE SMART  
REMOTE ROOM CONTROLLER  
CWR-TW-SCENE-WH

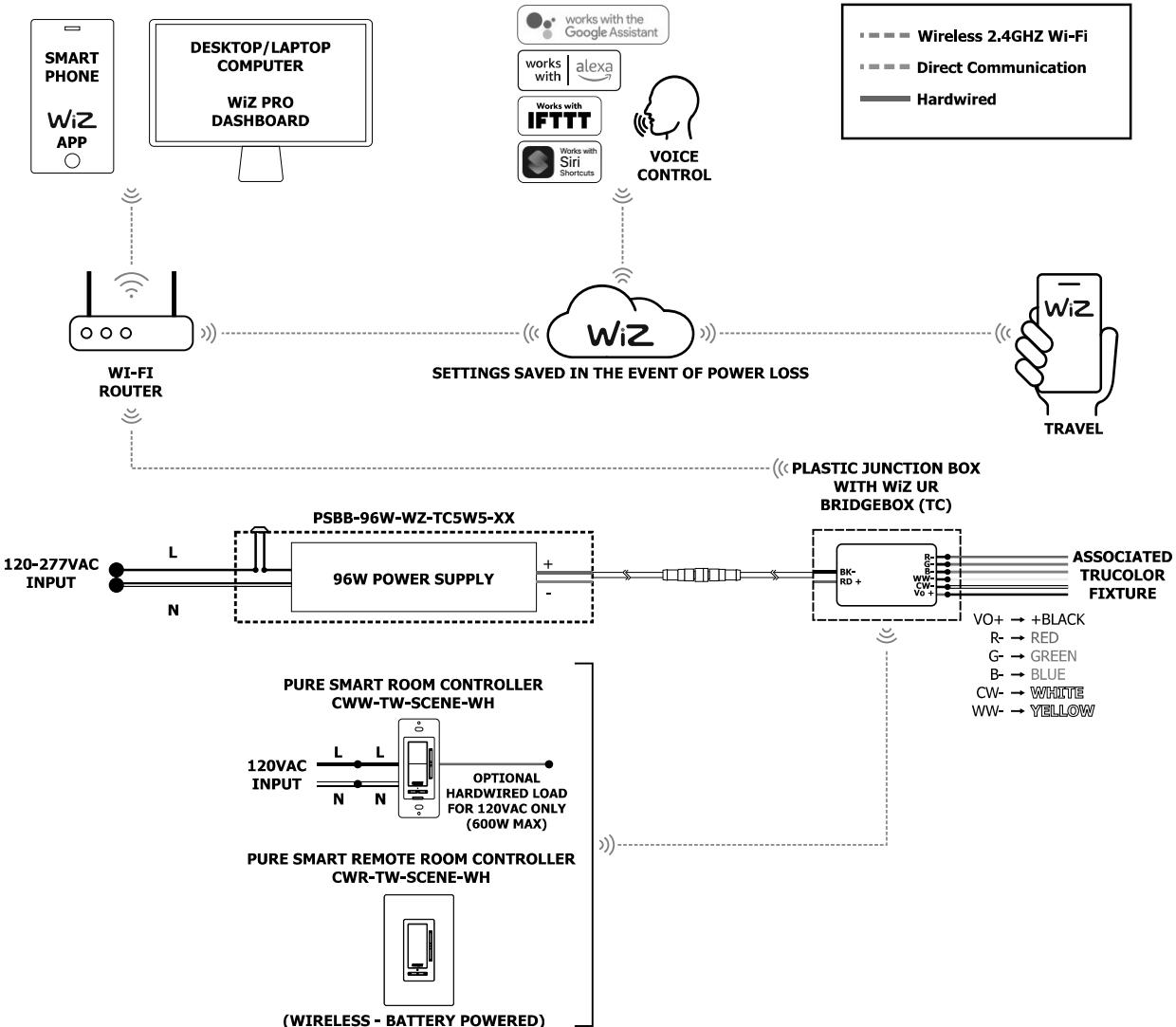
**NOTE:** Download the "WiZ Connected" app from either Google Play or the Apple App Store.

GET IT ON  
Google Play

Available on the  
App Store

**1:** Refer to the instructions provided with the optional controller and the WiZ App for complete set up.

## RGBTW: Pure Smart WiZ Controls



<https://faq.wizconnected.com/hc/en/7-wiz-v2/faq/527-adding-wiz-lights-in-your-home/>



1. **Download the Free App**  
Search "WiZ Connected" in the App Store.



3. **Pair the Reveal Wall Wash with App**  
Follow the pairing directions in the app to complete the setup.



2. **Install the Reveal Wall Wash**  
Install the Recessed Reveal Wall Wash Plaster-In LED System.



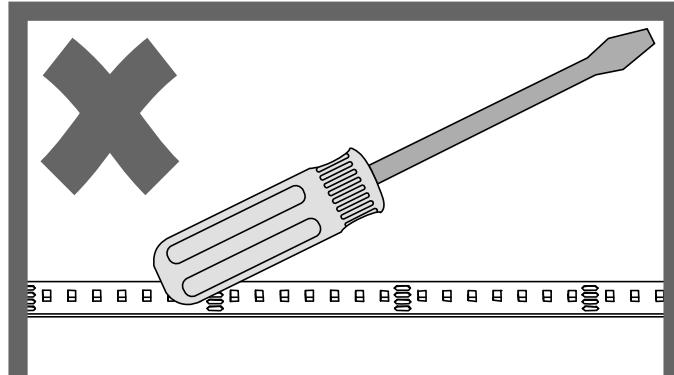
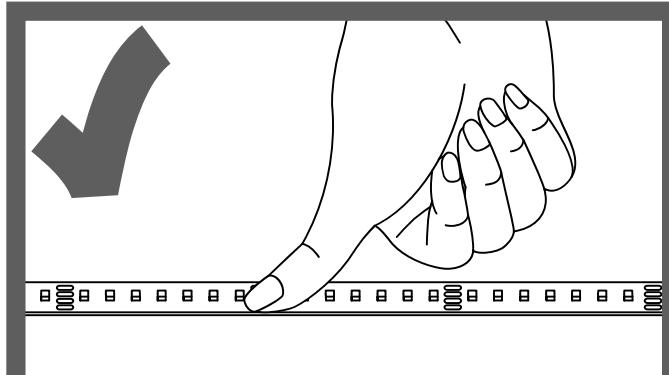
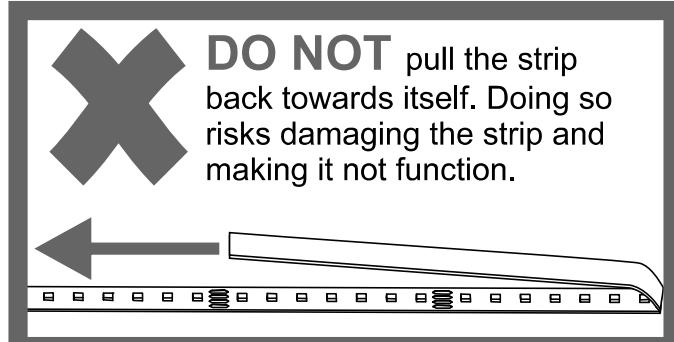
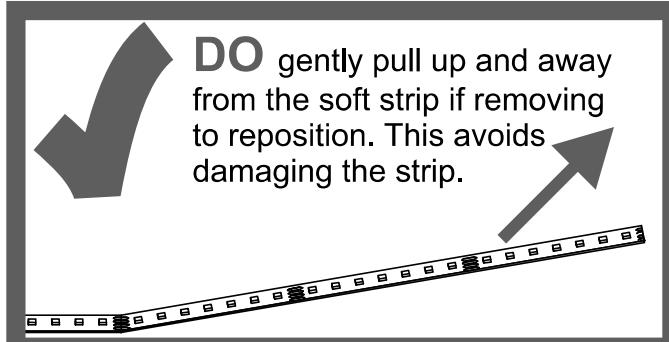
4. **Enjoy the Possibilities**  
Endless color combinations with Red, Green, Blue, and Tunable White are now ready for all moods and occasions.

If you have any questions, please contact WiZ Support at

Toll Free Number: **1-800-223-9477 - WiZ Pro [B2B]: Press 2 and then press 2 (Pro Installer support only)**

Web: <https://faq.wizconnected.com/hc/en/7-wiz-v2/>

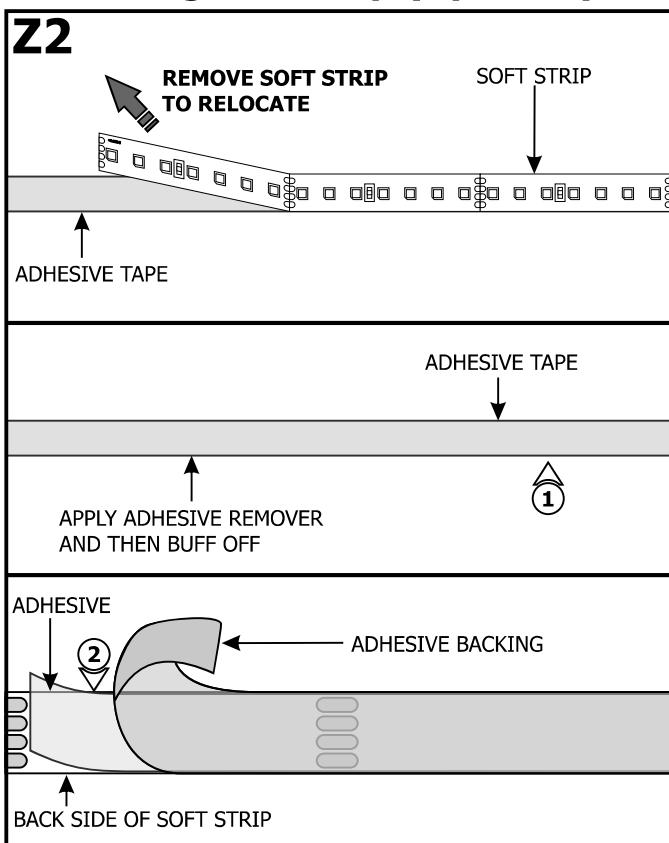
## IMPORTANT INFORMATION REGARDING INSTALLATION AND REWORK OF SOFT STRIP LED



**DO** only ever use fingers to gently install soft strip to a surface **AFTER** cleaning the surface with alcohol.

**DO NOT** use any tool to install soft strip to a surface. This will damage the soft strip component.

### 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 Six to reinstall the LED Strip.