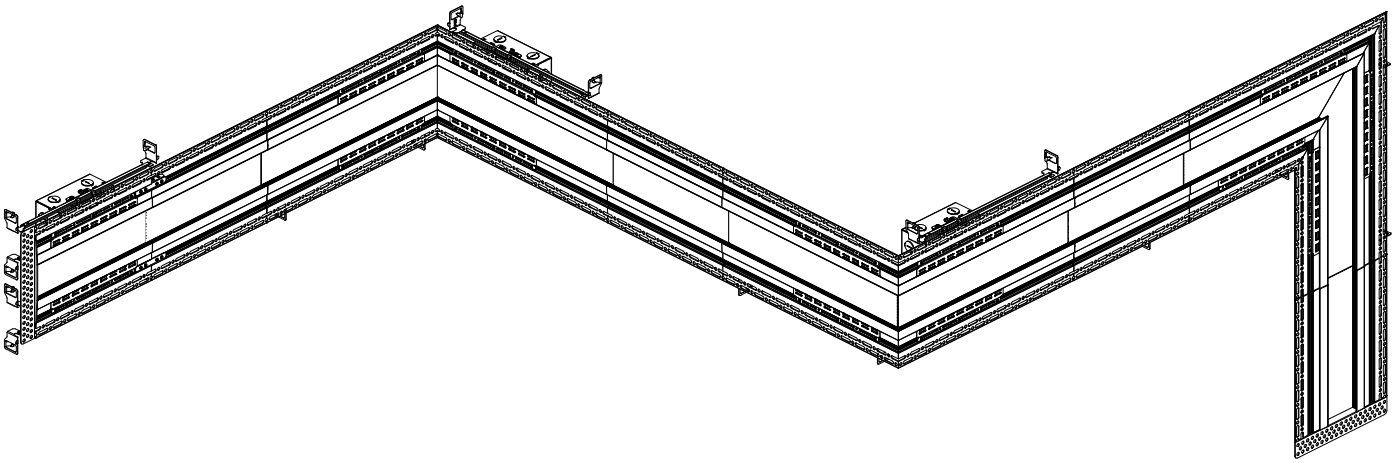
Krest Duo Installation Instructions

Krest Mud-In

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2. USE ONLY WITH CLASS 2 POWER UNIT
3. 24 VOLTS DC
4. SUITABLE FOR DAMP LOCATIONS ONLY

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Scan the QR code for Krest Duo Video Installation

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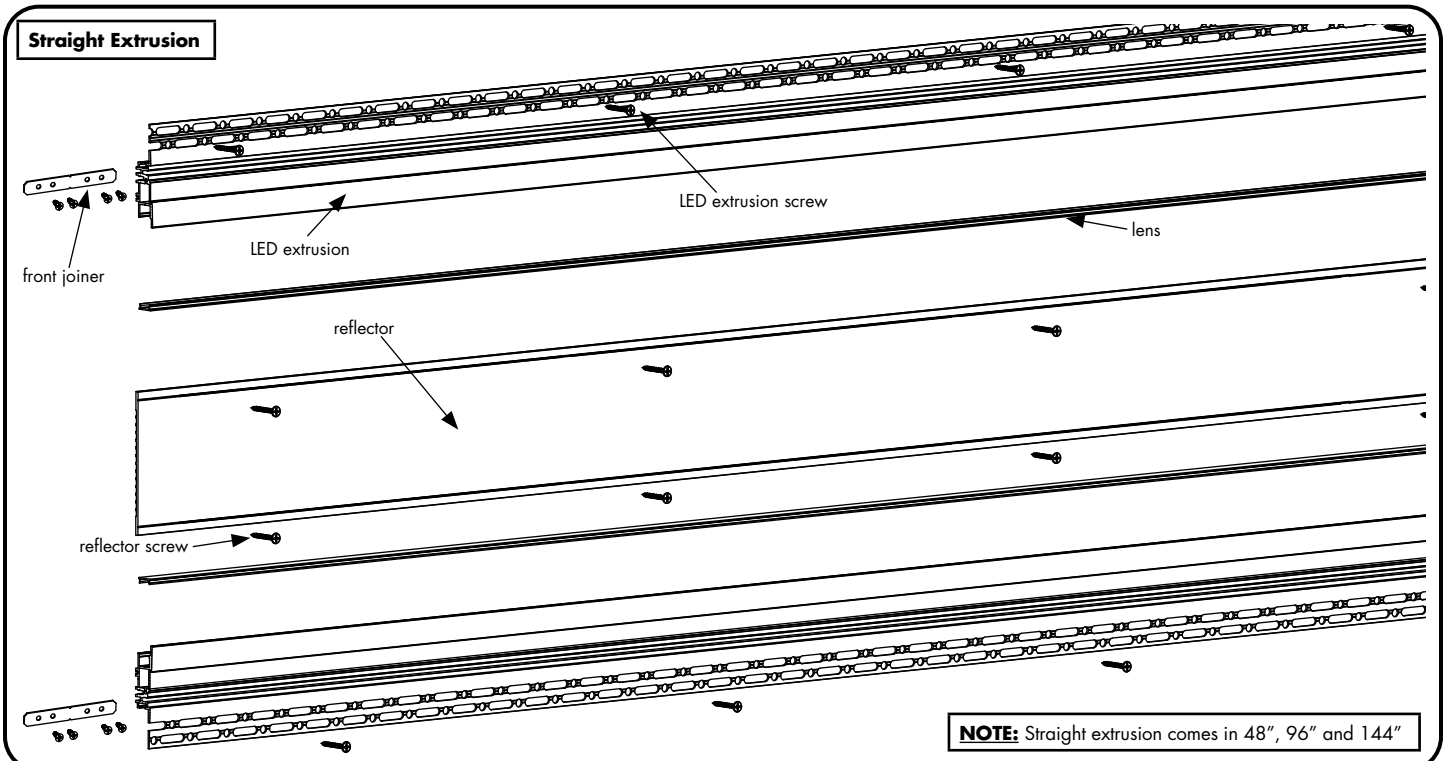
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Components Overview

Straight Extrusion

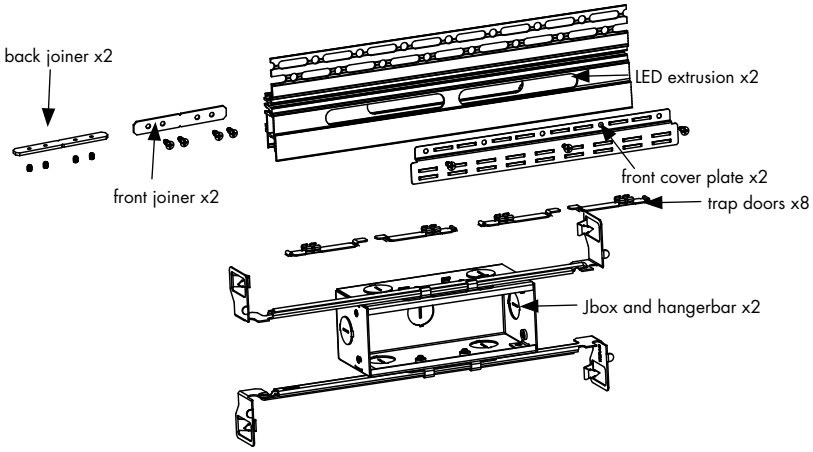


NOTE: Straight extrusion comes in 48", 96" and 144"

Powerfeed Extrusion

NOTE: lens and reflector are NOT included with power feed extrusion. The power feed extrusion is meant to replace 12" worth of the LED extrusion on the straight extrusion shown above.

Two Powerfeed Extrusions are required for Krest Duo - one per side



Dust Cover



NOTE: Dust Cover comes with the package, DO NOT throw away.

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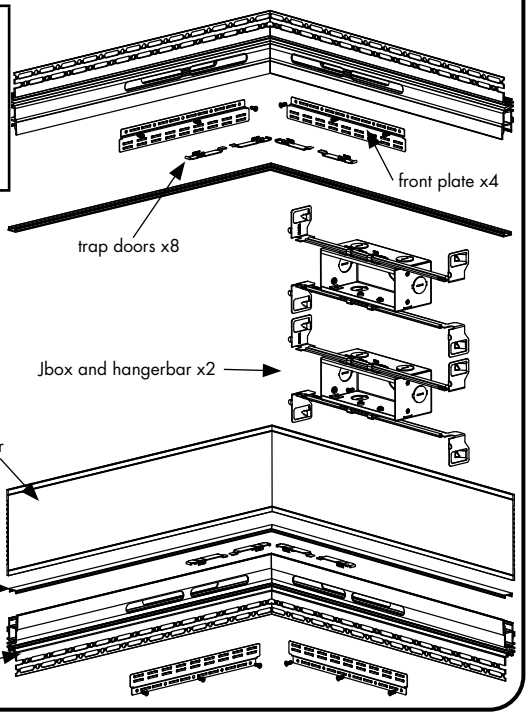
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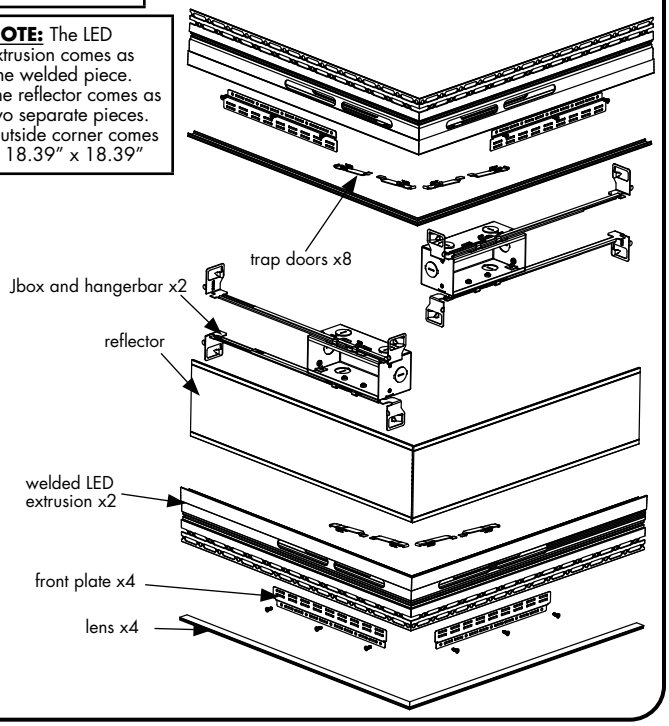
Inside Corner

NOTE: The LED extrusion comes as one welded piece. The reflector comes as two separate piece. Inside corner comes in 18.42" x 18.42"



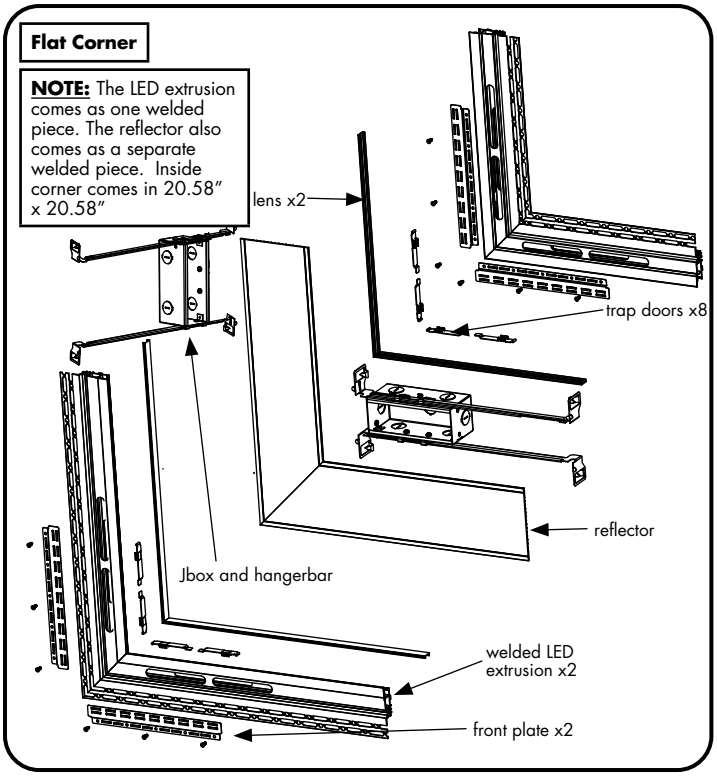
Outside Corner

NOTE: The LED extrusion comes as one welded piece. The reflector comes as two separate pieces. Outside corner comes in 18.39" x 18.39"



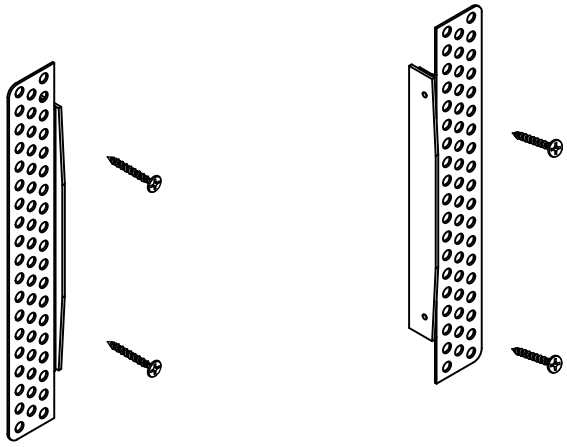
Flat Corner

NOTE: The LED extrusion comes as one welded piece. The reflector also comes as a separate welded piece. Inside corner comes in 20.58" x 20.58"



Endcaps (Optional)

NOTE: Please note, endcaps come as a pair with a left and right



Krest Duo Installation Instructions

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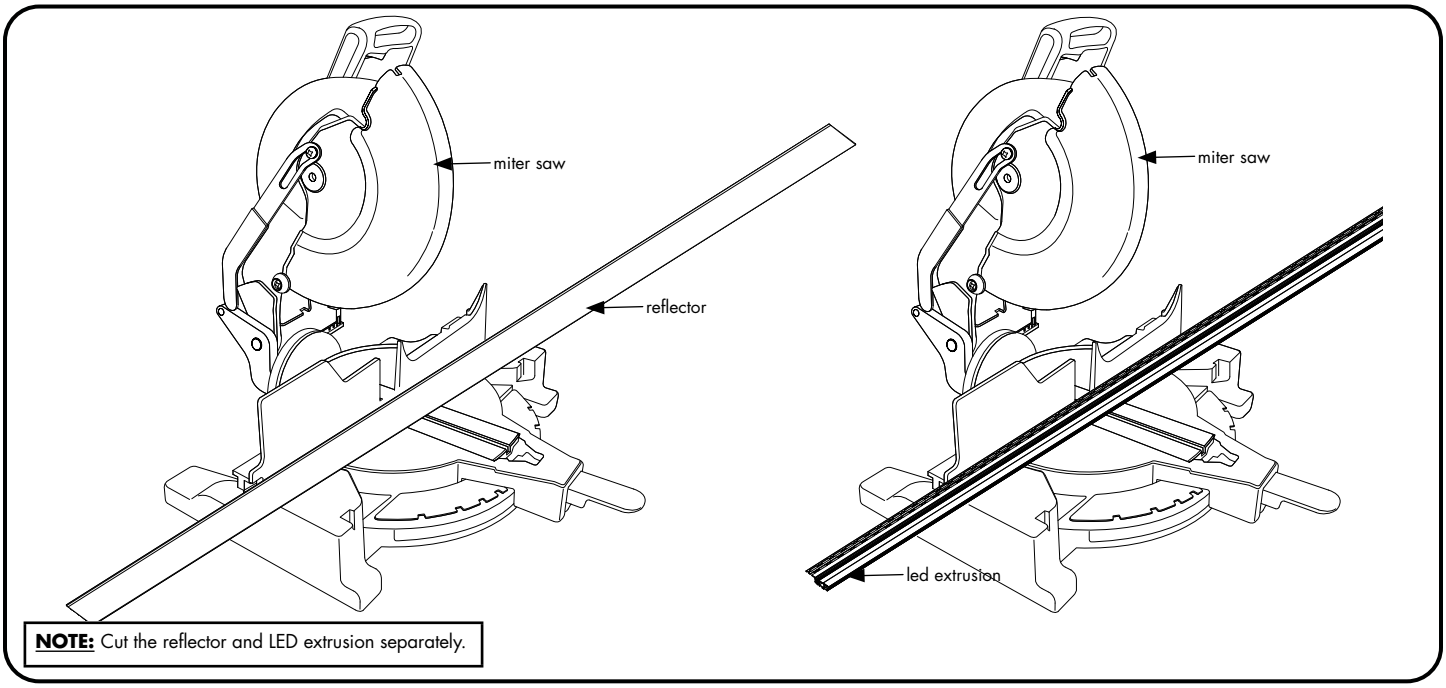
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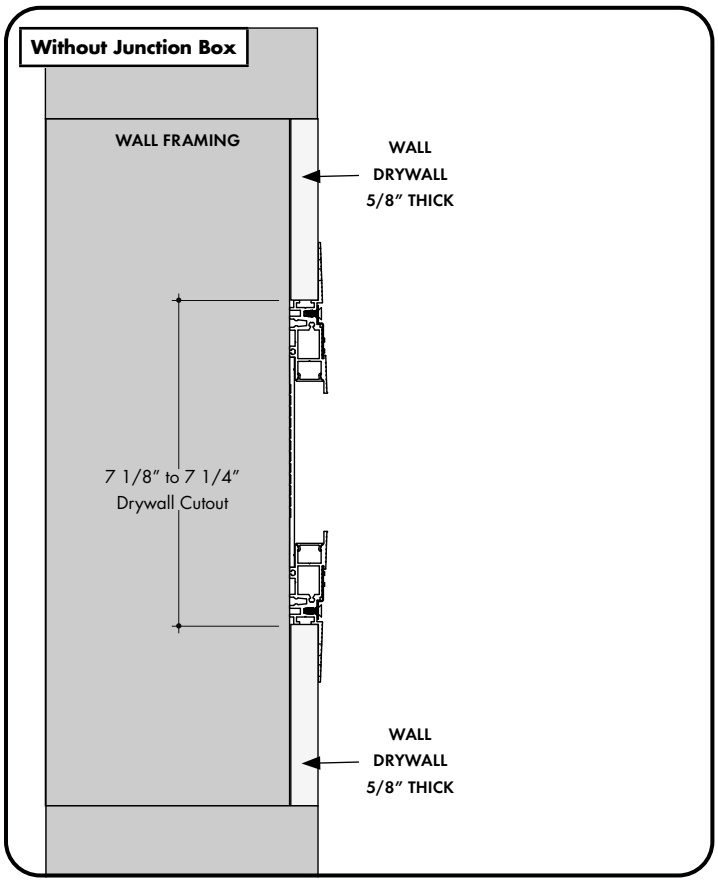
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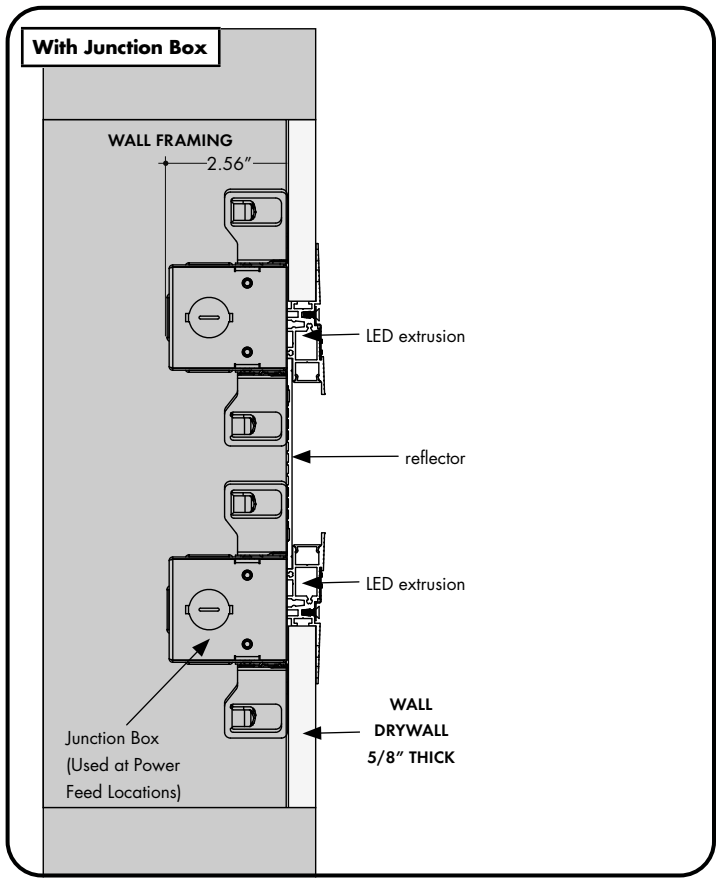
Cutting Extrusions



NOTE: Cut the reflector and LED extrusion separately.

Installation Cross-Section View





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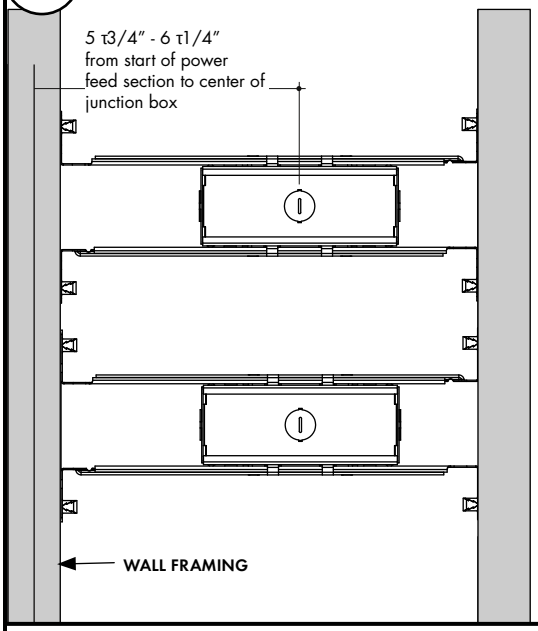
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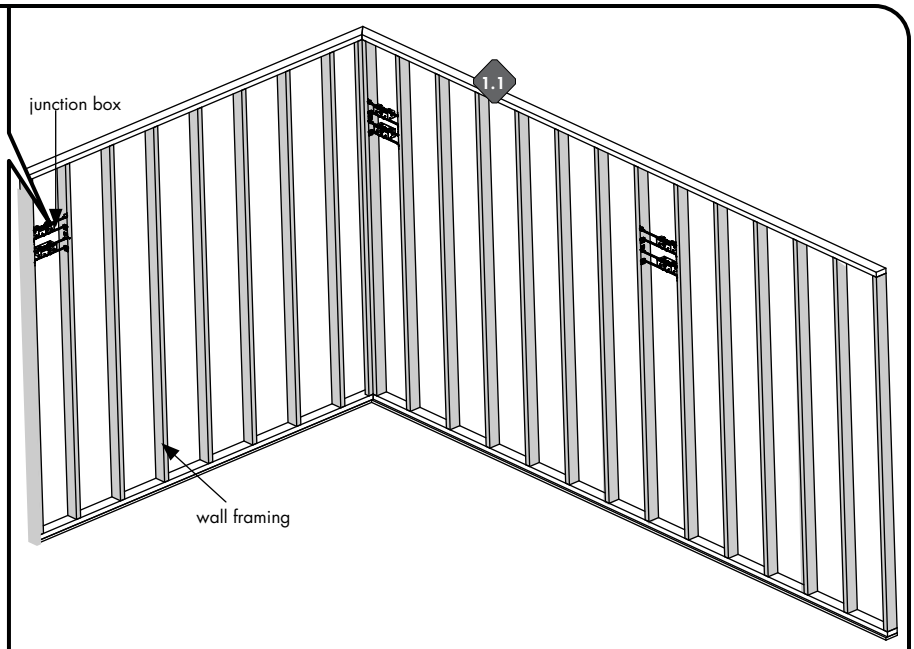
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Junction Box Installation

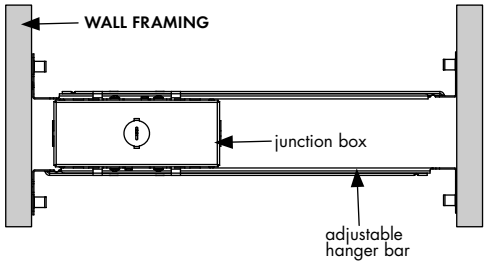
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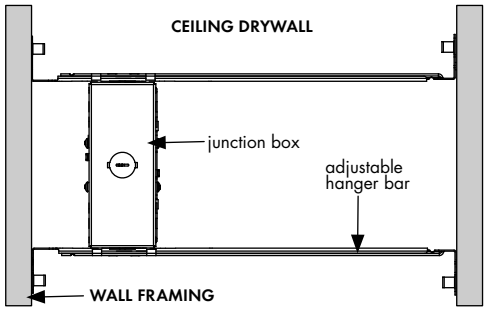


1.1 Identify power feed locations and install junction boxes to the wall framing as shown.

Horizontal Orientation

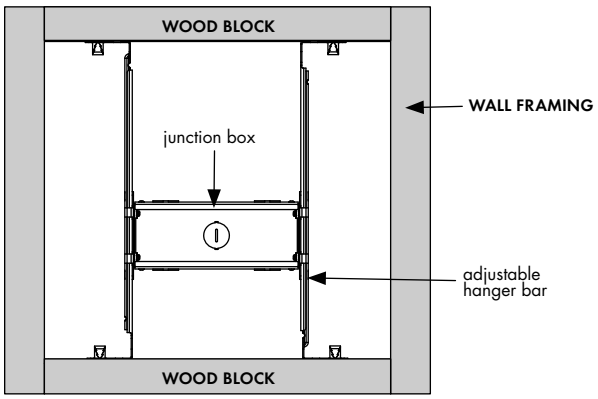


Vertical Orientation

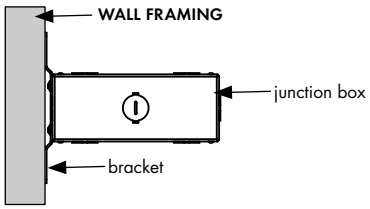


1.1A

Horizontal Orientation with Wood Block



Stud Mounting Bracket



1.1A The Junction Box can be installed to the wall framing using the adjustable hanger bars or stud mounting bracket as shown.

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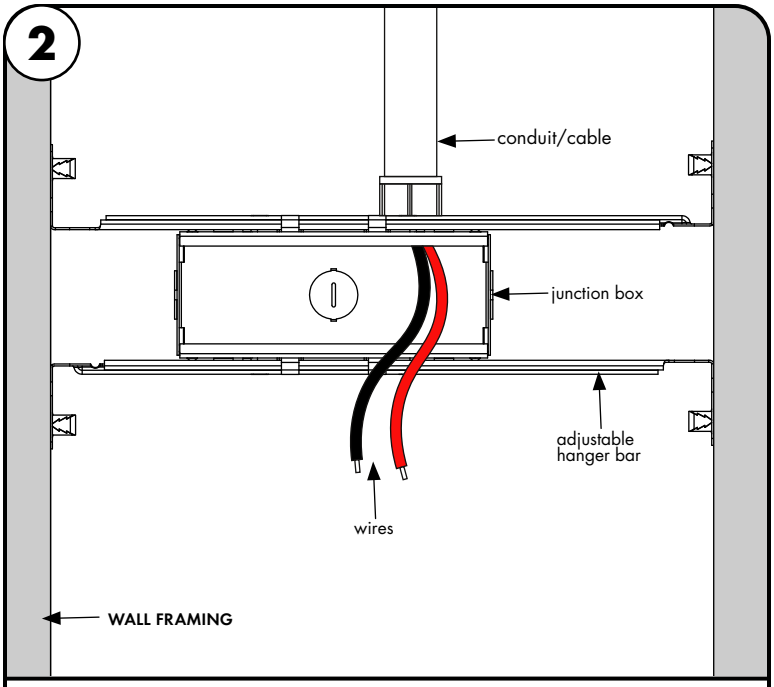
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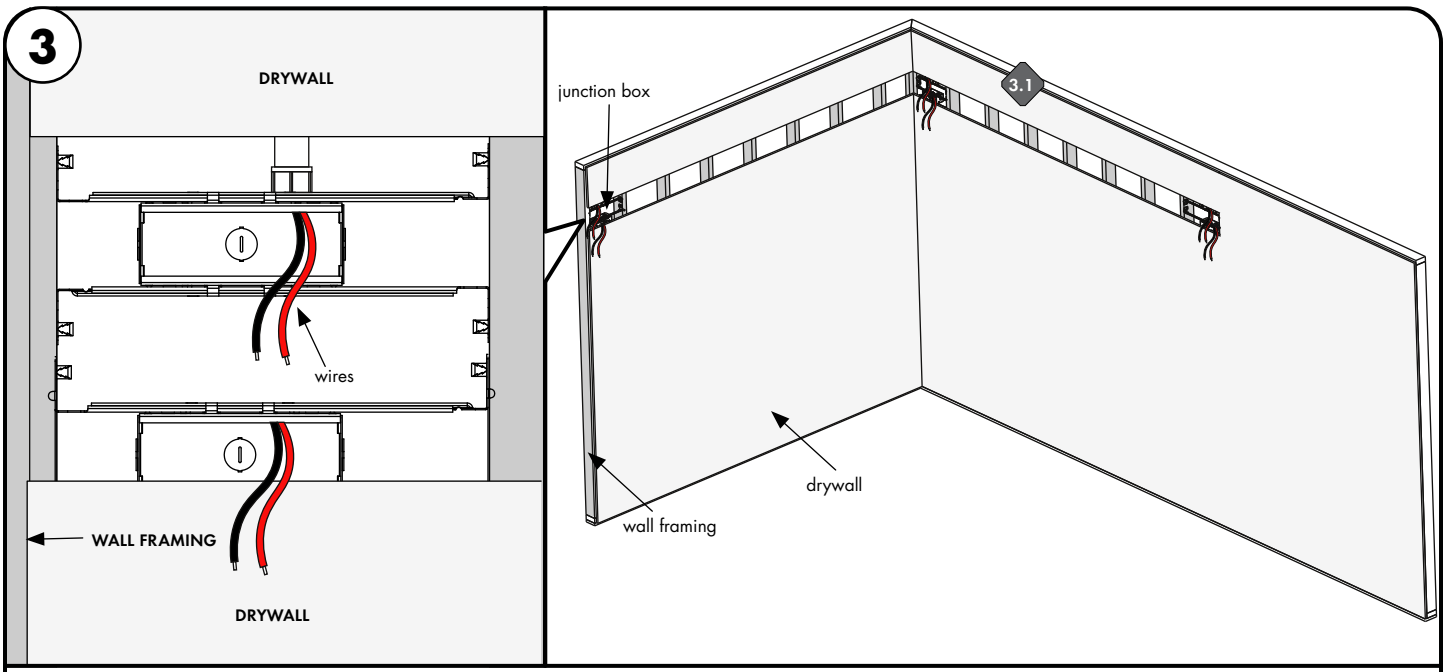
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Junction Box Installation



2.1 Route conduit/cable from the remote power supply to the Junction Box, leaving an 8-12" pigtail of wires.

Drywall Installation



NOTE: Install full drywall and cutout the slots.

3.1 Install the drywall, then create a cut-out in the drywall with the dimensions shown. It is recommended to use a laser level to keep your cut as straight as possible.

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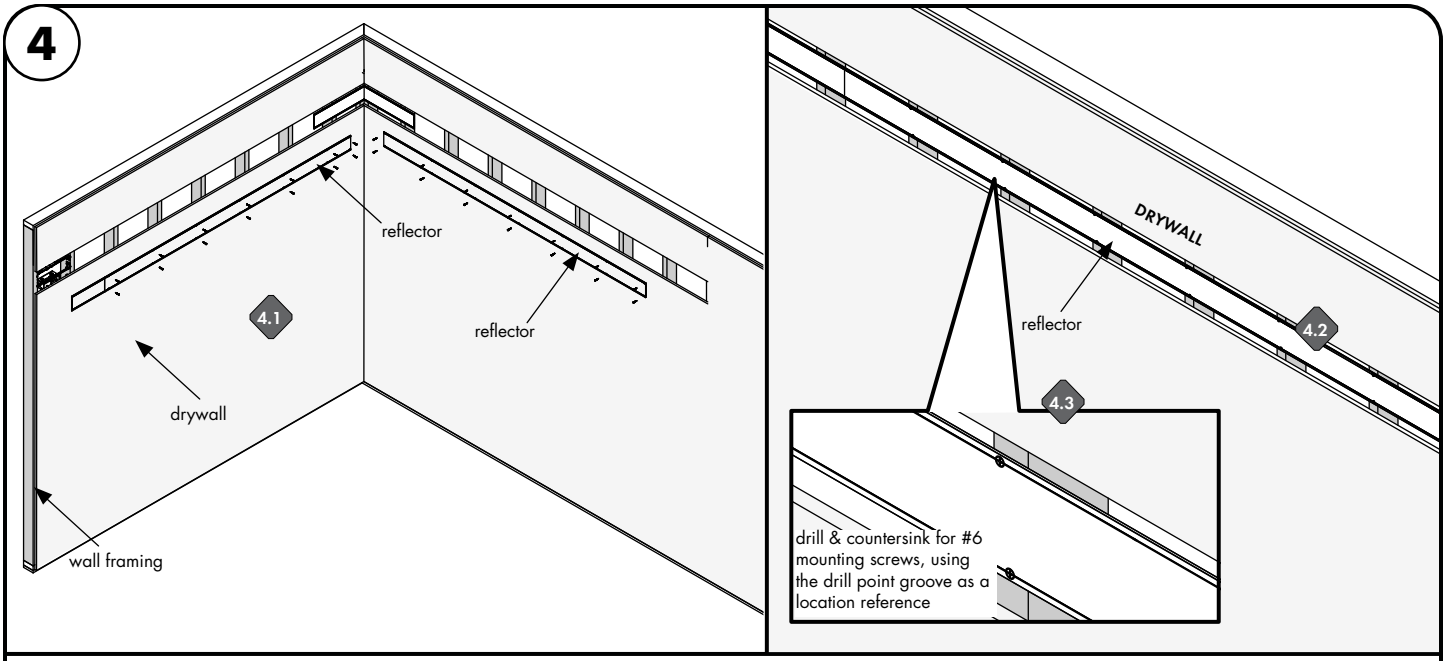
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Reflector Installation



NOTE: Always install corner piece first

4.1 Measure and cut Reflectors to length to fit inside the drywall cutout. Mark stud/blocking locations on the Reflectors and then drill & countersink holes along the drill point groove for the mounting screws. countersink should be big enough for #6 flathead screws

4.2 Secure the reflectors to the wall framing using #6 flathead screws. Note: The screw head must be flush with the reflector, otherwise there will be interference with the LED Extrusion. Countersink should be big enough for #6 flathead screws.

4.3 Apply caulk or plaster to cover seams of the Reflectors. If desired, paint the Reflector using a matte finish.

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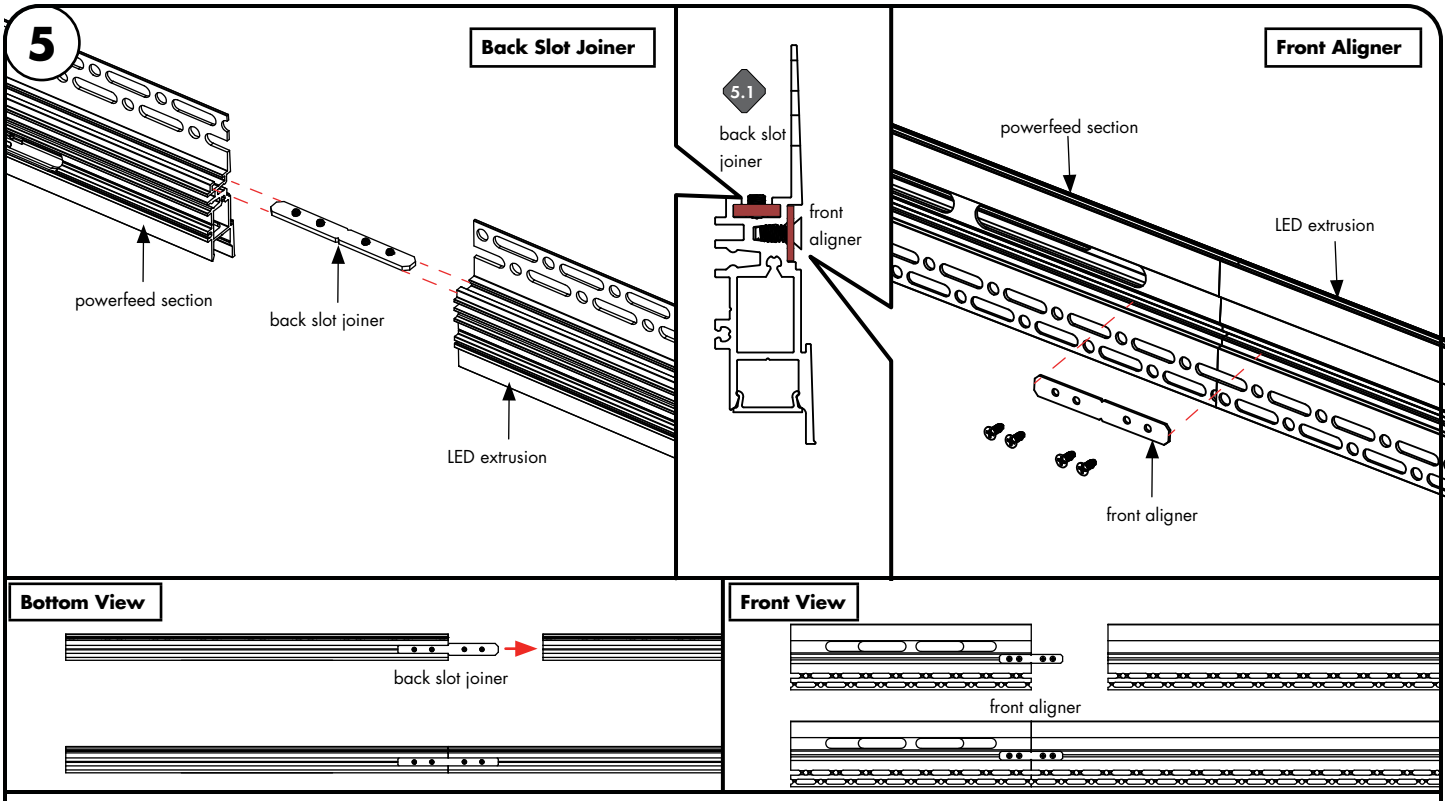
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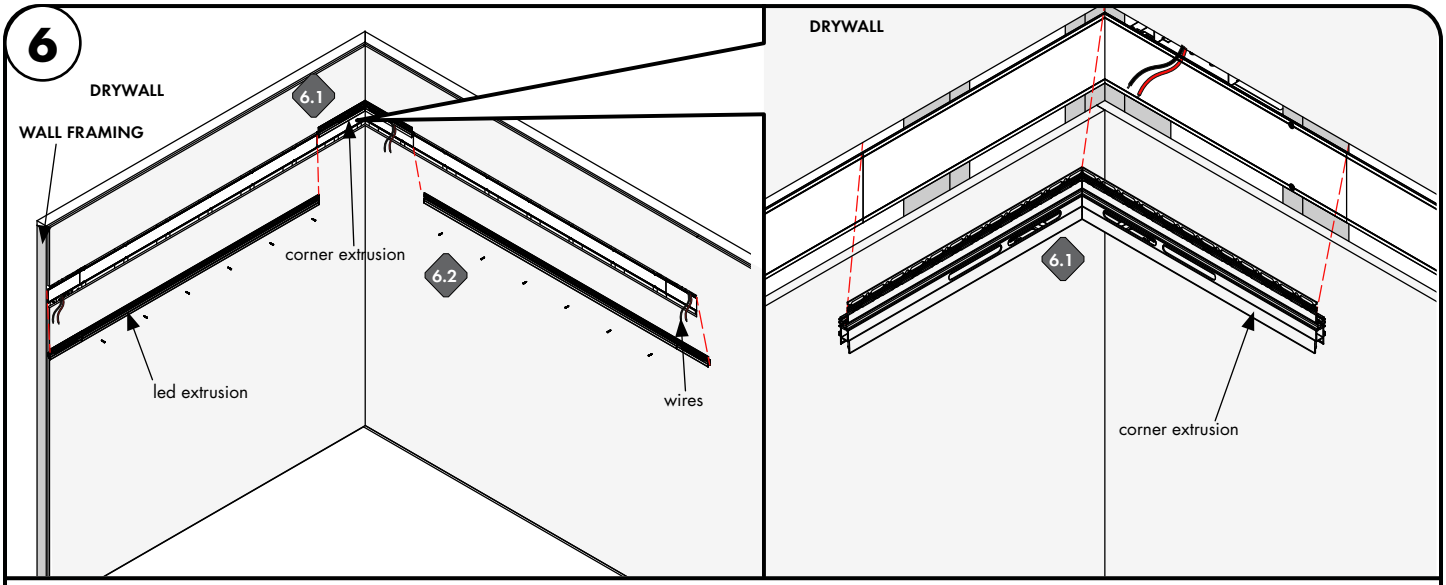
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Joiner Power Feed Section to LED Extrusion



5.1 Attach the Power Feed Section to its adjacent LED Extrusion using the Back Slot Joiner and the Front Aligner.

LED Extrusions Installation



NOTE: Always install corner piece first

6.1 Measure and cut LED Extrusions to length to fit inside the drywall cutout.

6.2 Start with installing the welded corner pieces and then install the straight LED Extrusion pieces.

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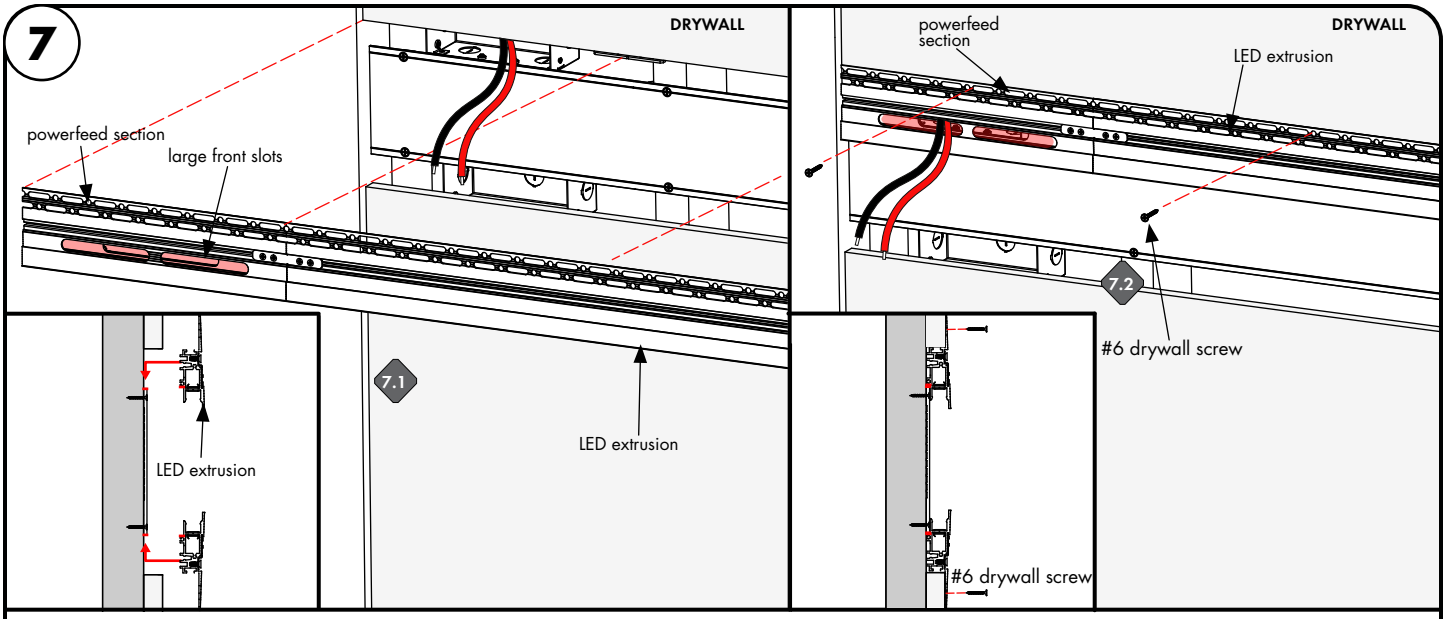
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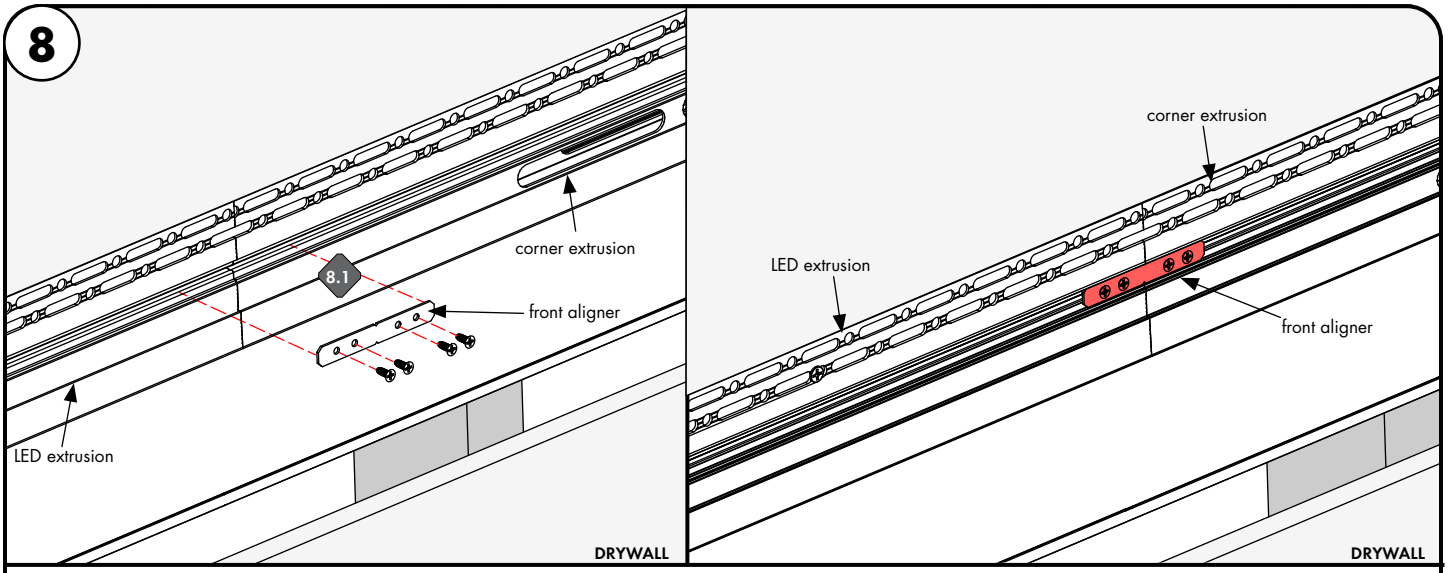
LED Extrusions Installation



NOTE: Powerfeed extrusion should be joined to LED extrusion before installing to the wall.

7.1 At Junction Box locations, route the power supply wires through the large front slots in the Power Feed Section.

7.2 Position the LED Extrusion up against the Reflector, then fasten the LED Extrusion to the wall framing using #6 drywall screws. Suggested minimum spacing for the screws is 16" to prevent cracking of the plaster. Ensure screw pierces wood blocking (studs) as well as drywall.



NOTE: For Joining LED extrusions and corner extrusions.

8.1 At joints between adjacent LED Extrusions, install the Front Aligners using provided screws.

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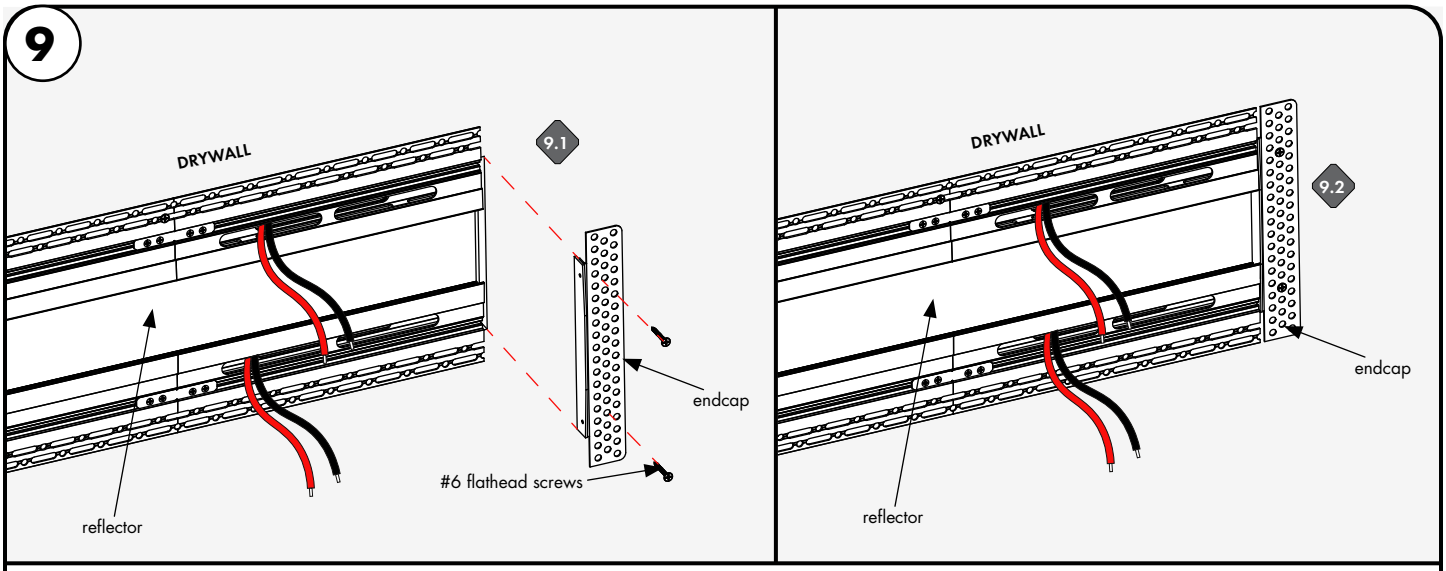
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Endcap Installation (Optional - for use if terminating run mid-wall)



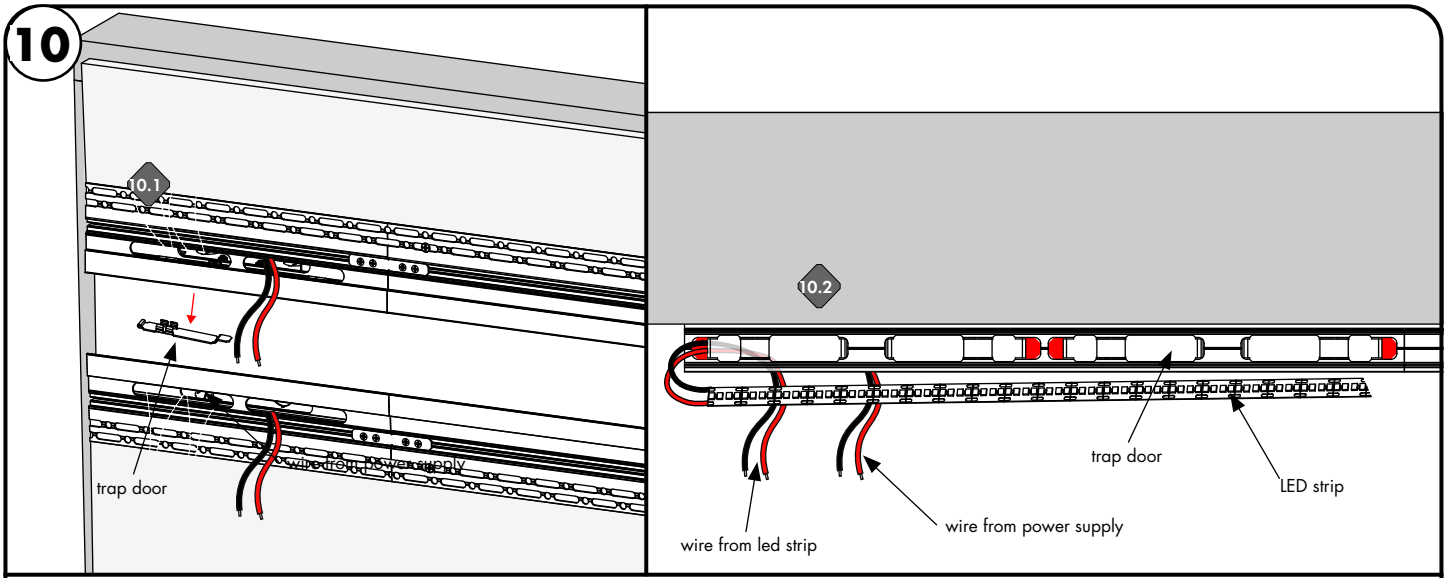
NOTE: Endcaps do not mechanically attach to the LED extrusion or Reflector.

9.1 Install the endcap(s) using #6 drywall screws fastened to the wall framing as shown below.

9.2 Apply caulk or plaster to cover seams between the Endcap and Reflector. Please note, endcaps do not mechanically attach to the LED extrusion or Reflector.

LED Tape Installation - Before Plastering/Painting

Recommended for soldered LED strip install (If using minii connectors, skip to page 14)



NOTE: Make sure trap doors are installed as shown.

10.1 Remove the trap doors. Route the wire from the LED strip through the trap door slot.

10.2 Snap the trap door back into place. Note Symmetric orientation of trap doors. Highlighted in red is open space for LED strip wiring.

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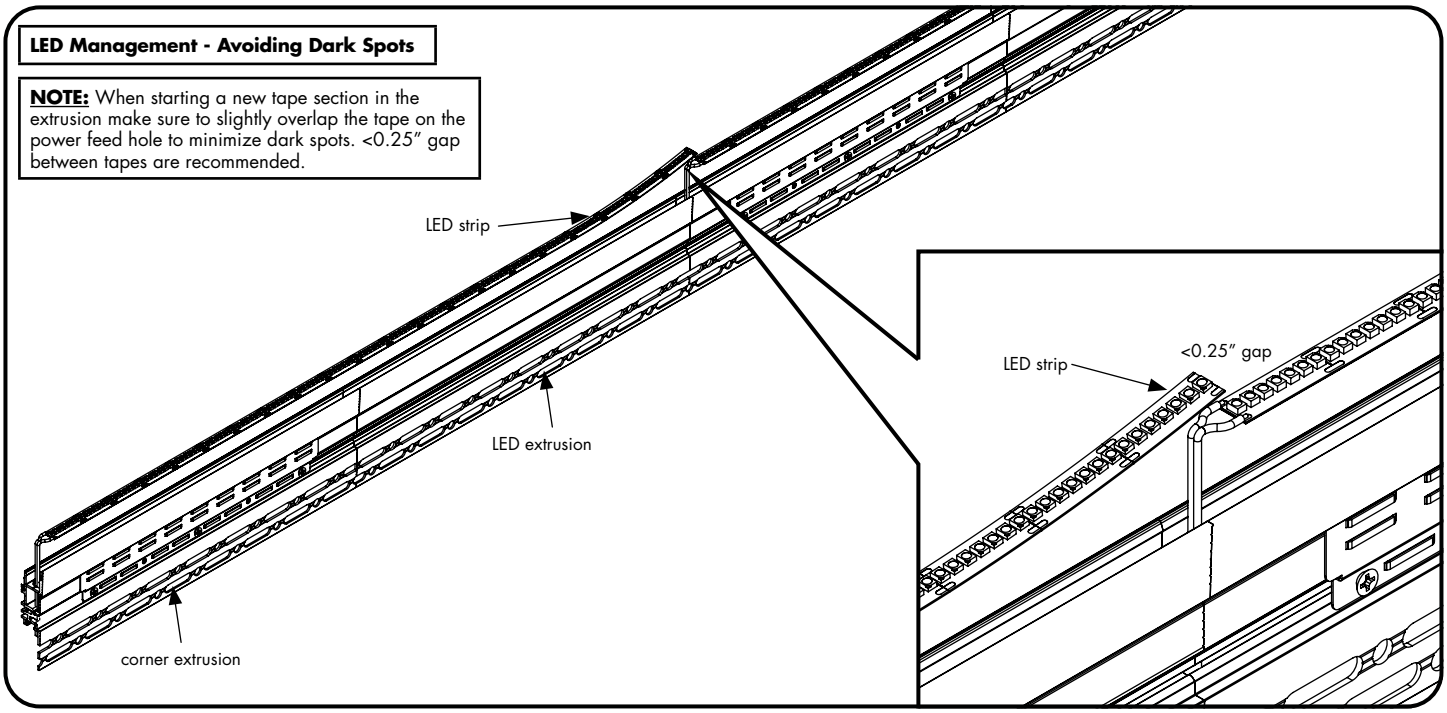
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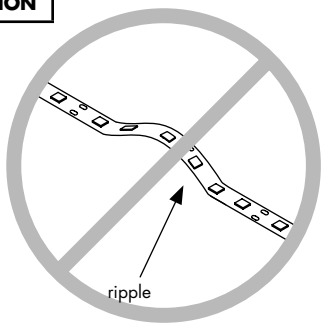
Recommended for soldered LED strip install

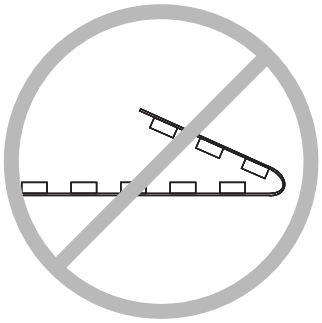
LED Management - Avoiding Dark Spots

NOTE: When starting a new tape section in the extrusion make sure to slightly overlap the tape on the power feed hole to minimize dark spots. <0.25" gap between tapes are recommended.

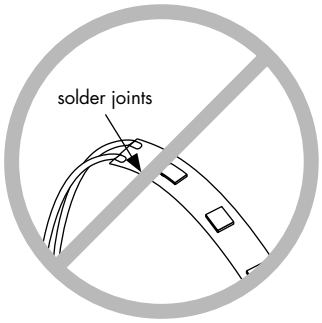


CAUTION





NOTE: When removing backing & laying When removing backing & laying & bending over 90°.



NOTE: Avoid sharp bends or bending near 1" on the solder joints.

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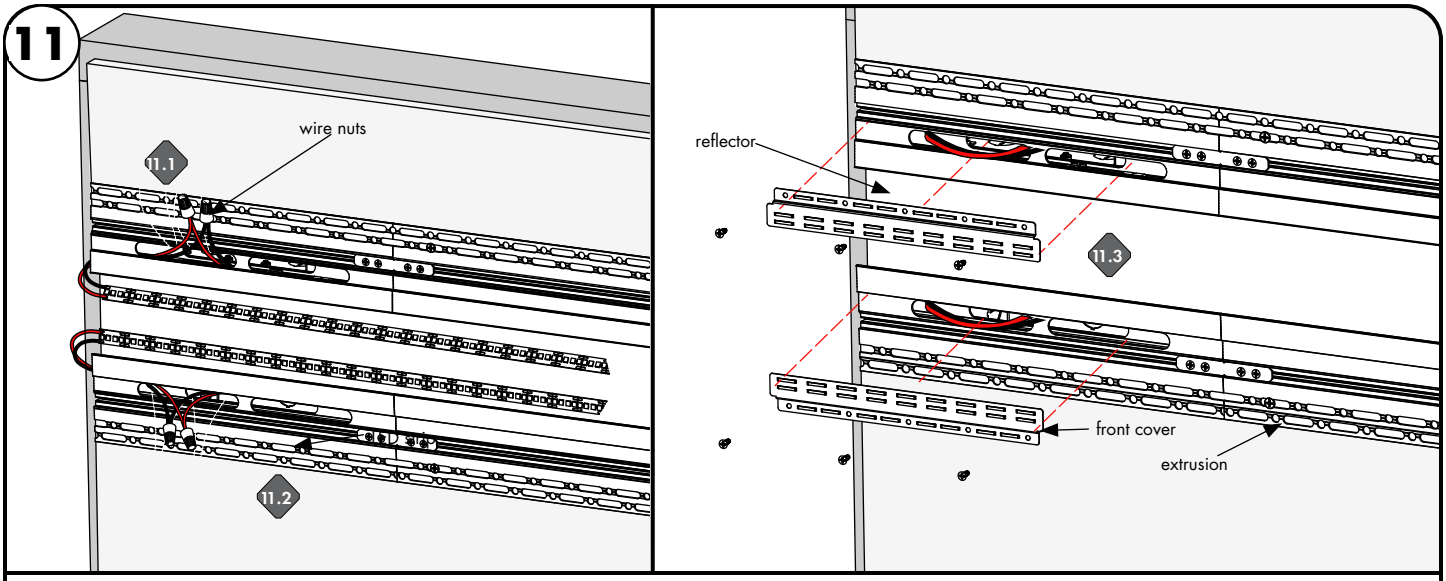
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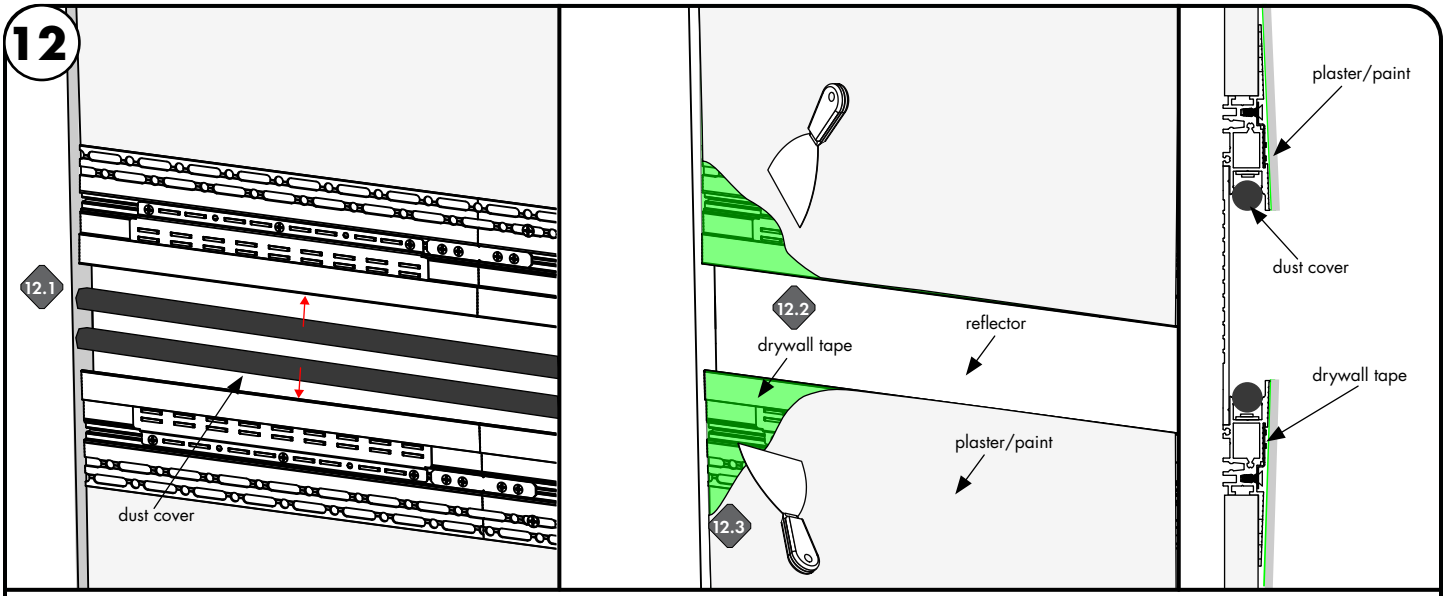
Recommended for soldered LED strip install



11.1 Take the soldered LED strip then route the wires down through the Power Feed Section trapdoor opening and out through the front slots while affixing the LED Tape's adhesive backing to the LED Extrusion. LED strip will rest on top of the trap door covers.

11.2 Connect to the power supply wires using wire nuts/connectors. Tuck the wires through the front slots and into the Junction Box.

11.3 Attach the Front Cover to the Power Feed Section using the provided screws.



12.1 Insert the foam dust protector into the LED Extrusion channel.

12.2 Apply thin drywall tape overlapping the LED Extrusion flange and drywall. Apply plaster to the LED Extrusion, feathering 12-16" away. Multiple coats of plaster may be required to fill in the thicker cavities of the LED Extrusion and provide a smooth even surface.

12.3 Sand the plastered surface and apply paint.

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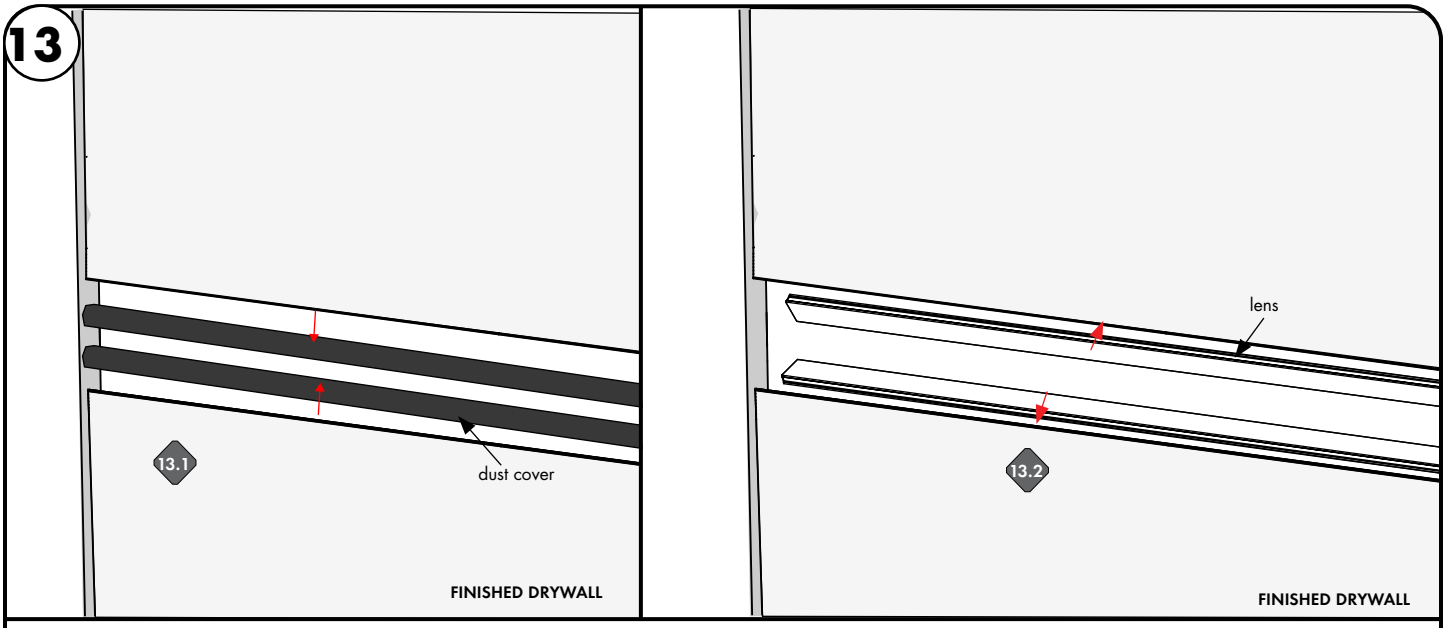
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LED Tape Installation - Before Plastering/Painting

Recommended for soldered LED strip install



NOTE: DO NOT push the lens too far into extrusion.

13.1 Clean any remaining dust/debris off the foam dust cover before removing it to avoid dust/debris falling on the LED strip during the removal process. Remove Foam Dust Cover. Clean any remaining dust/debris off the LED.

13.2 Snap in the Lens.

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Krest Duo Installation Instructions

Krest Mud-In

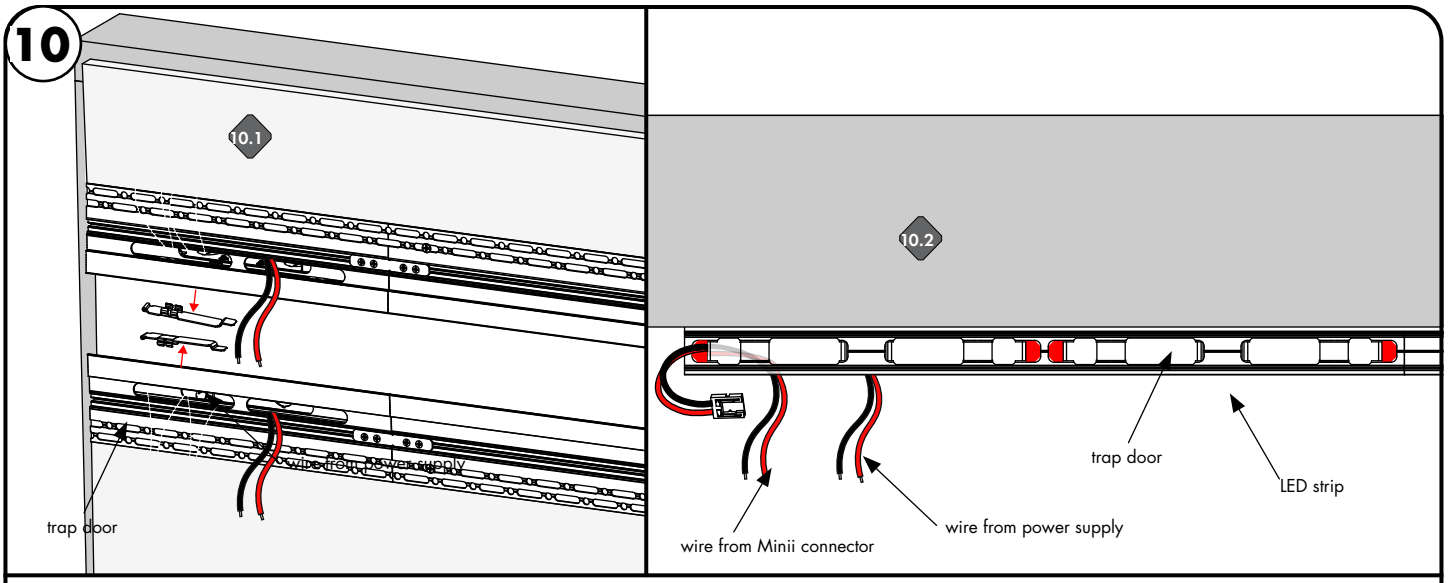
Please read all instructions prior to installation and keep for future reference!

1. PRODUCT TO BE INSTALLED BY A QUALIFIED ELECTRICIAN
2. USE ONLY WITH CLASS 2 POWER UNIT
3. 24 VOLTS DC
4. SUITABLE FOR DAMP LOCATIONS ONLY

luminii
7777 Merrimac Ave
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T 224.333.6033
F 224.757.7557
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LED Tape Installation - After Plastering/Painting

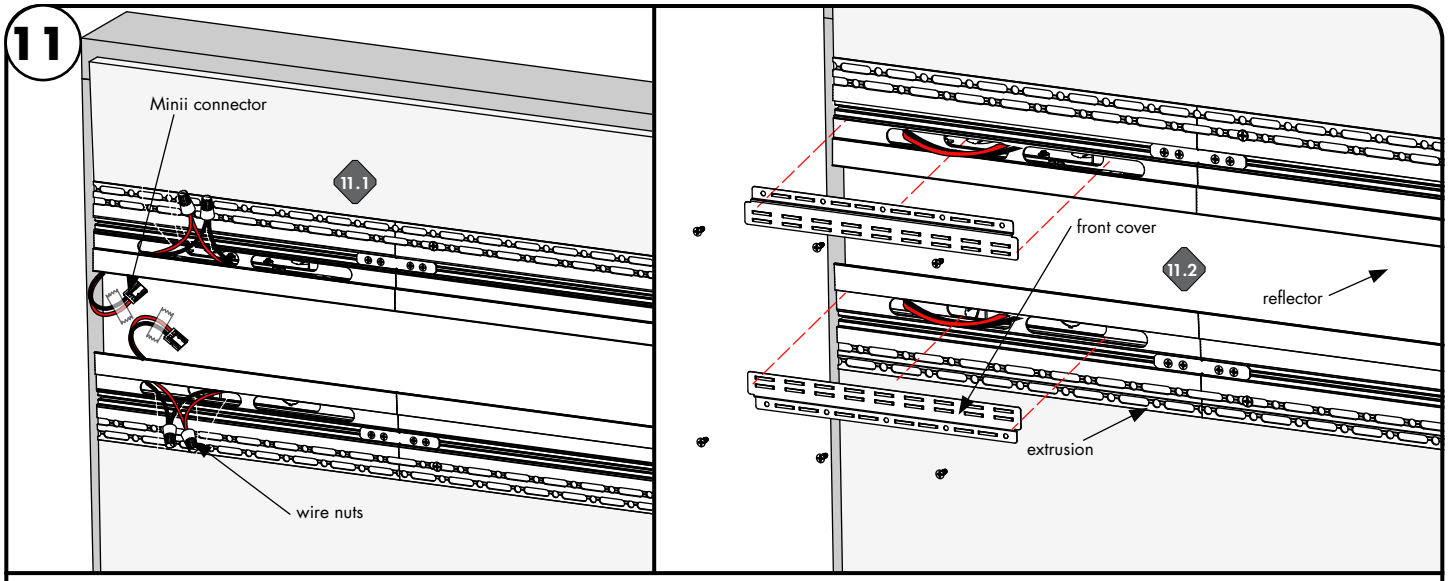
Recommended for LED strip install with Minii Connectors. Minii connectors not available with RGB, RGBW, or Pixel LED strip



NOTE: Make sure trap doors are installed as shown.

10.1 Remove the trap doors. Route the wire from the LED strip through the trap door slot.

10.2 snap the trap door back into place. Note Symmetric orientation of trap doors. Highlighted in red is open space for LED strip wiring.



NOTE: Tape the Minii connector to the reflector.

11.1 Route the Minii Connector wires down through the Power Feed Section trapdoor opening and out through the front slots. Connect to the power supply wires using wire nuts/connectors. Tuck the wires through the front slots and into the Junction Box. (OPTIONAL) tape the minii connector to the reflector to keep it out of the way during plastering/painting.

11.2 Attach the Front Cover to the Power Feed Section using the provided screws.

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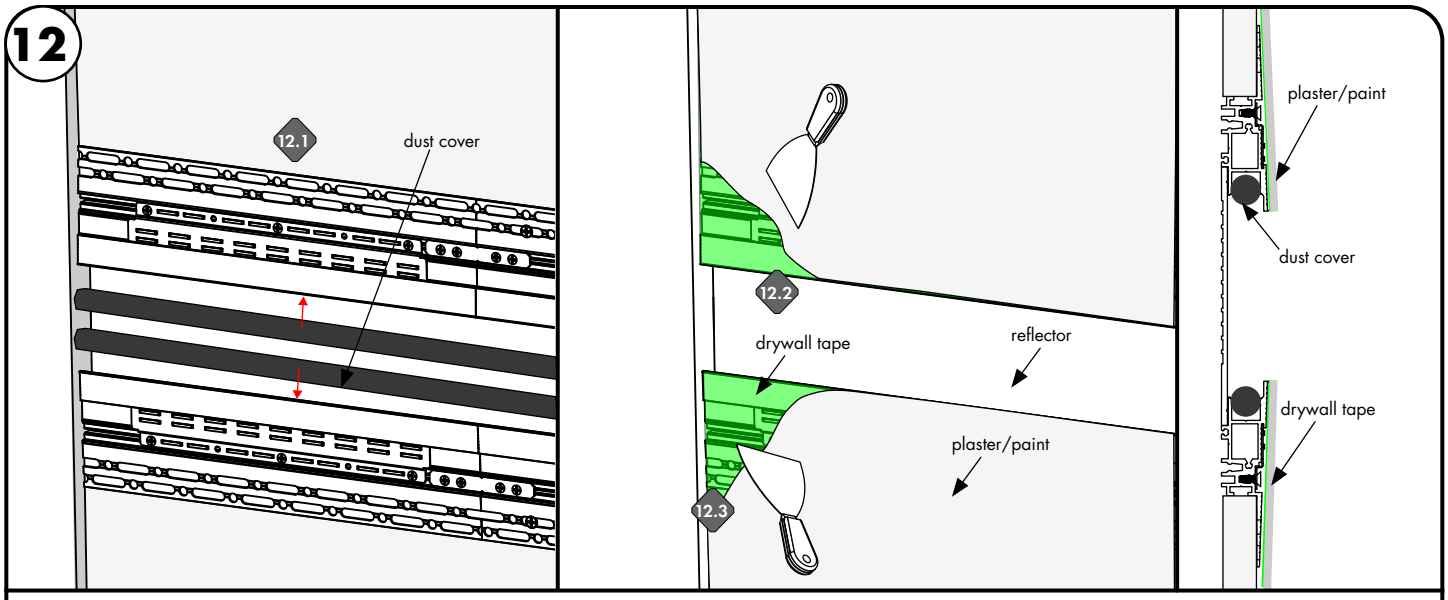
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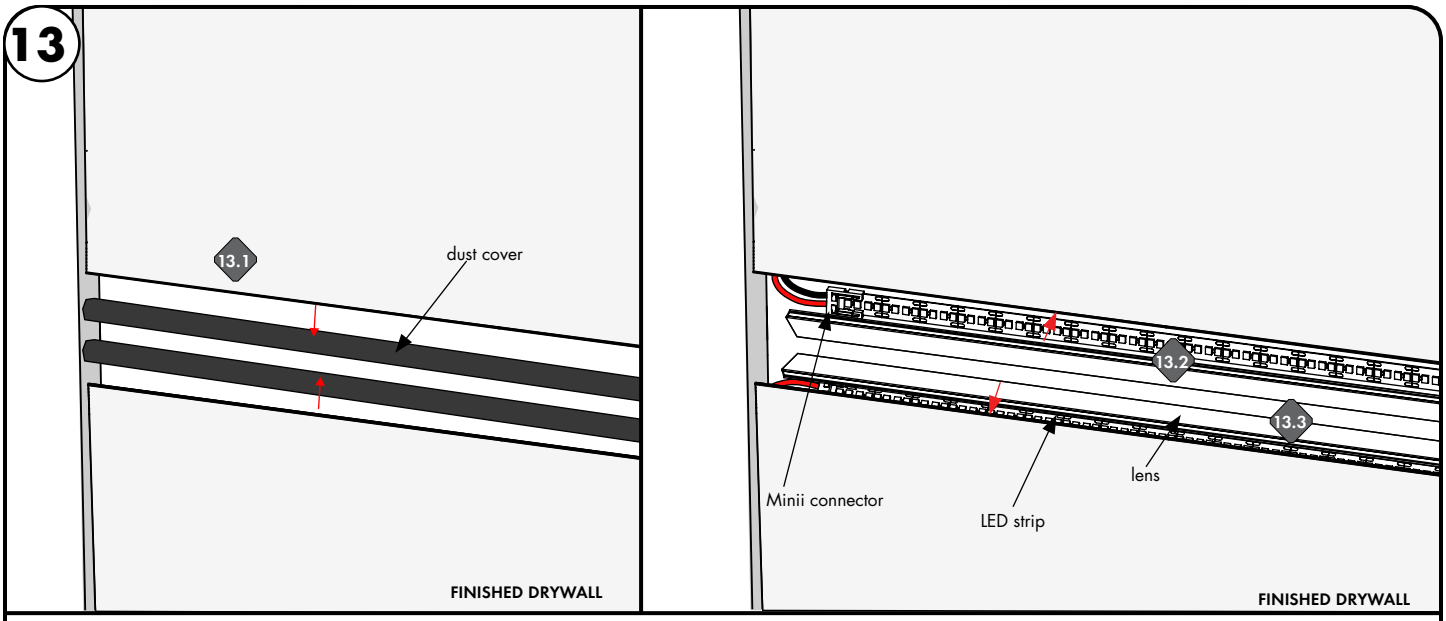
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12.1 Insert the foam dust protector into the LED Extrusion channel.

12.2 Apply thin drywall tape overlapping the LED Extrusion flange and drywall. Apply plaster to the LED Extrusion, feathering 12-16" away. Multiple coats of plaster may be required to fill in the thicker cavities of the LED Extrusion and provide a smooth even surface.

12.3 Sand the plastered surface and apply paint.



NOTE: DO NOT push the lens too far into extrusion.

13.1 Remove Foam Dust Cover. Clean any remaining dust/debris off the LED mounting surface.

13.2 Connect the LED Tape to the Minii Connector and push wires back through the trapdoor opening while affixing the LED Tape's adhesive backing to the LED Extrusion. See QR code on following page for detailed steps on connecting LED strip to minii connector. LED strip will rest on top of the trap door covers.

13.3 Snap in the Lens.

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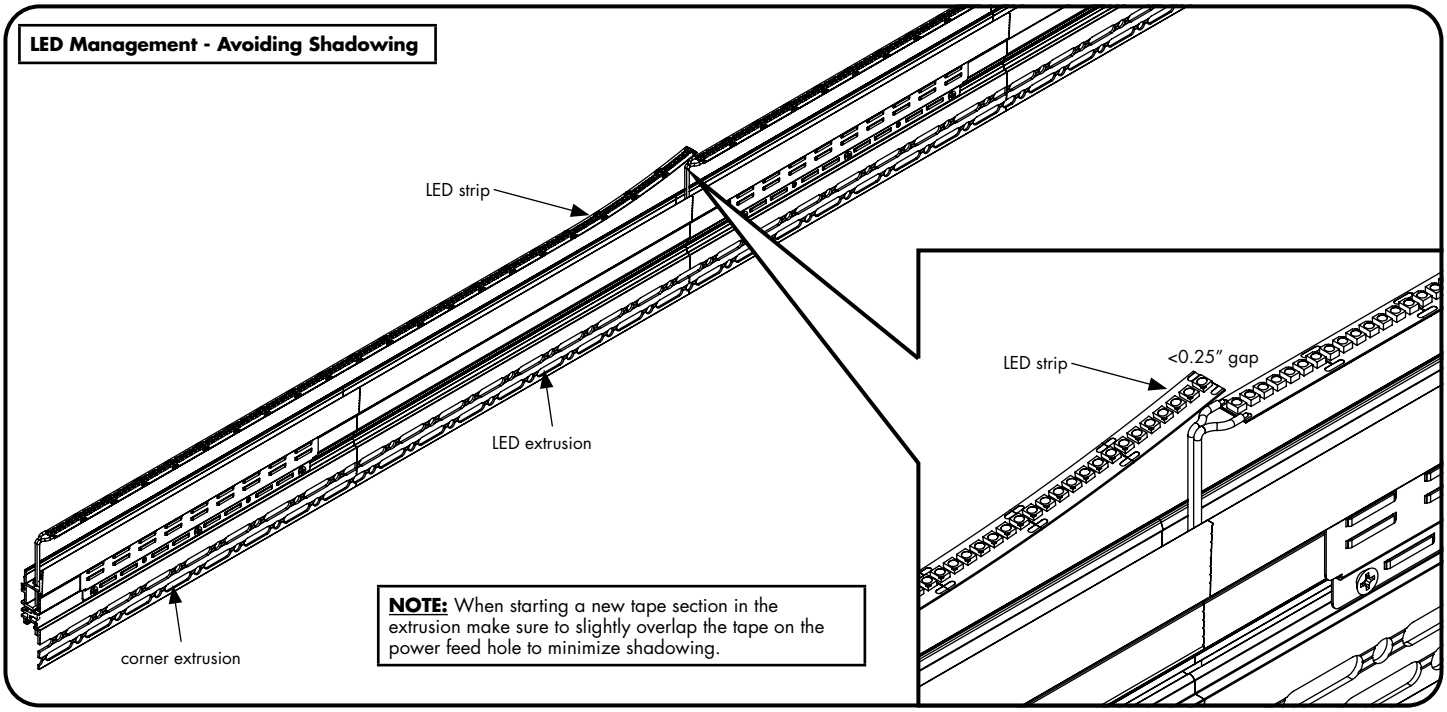
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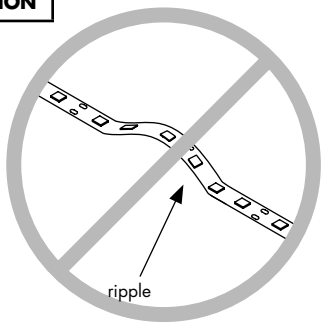
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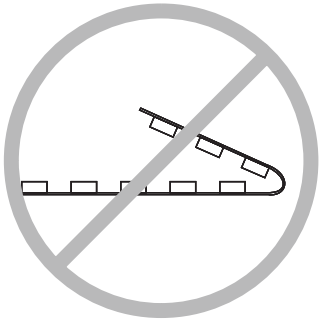
LED Management - Avoiding Shadowing



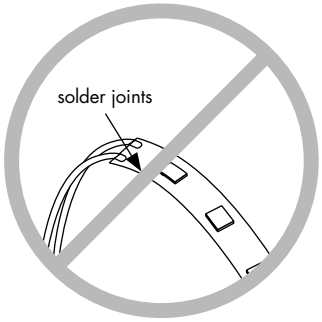
NOTE: When starting a new tape section in the extrusion make sure to slightly overlap the tape on the power feed hole to minimize shadowing.

CAUTION





NOTE: When removing backing & laying When removing backing & laying & bending over 90°.



NOTE: Avoid sharp bends or bending near 1" on the solder joints.

Minii Connector Installation

Scan the QR code for Minii Connector Install Instructions

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Power Supply Wiring Diagram

Note: *Prior to installation all 24VDC wires must be present near fixture. Refer to the power supply installation instructions for additional information.*

Static White
Wiring Diagram PDF

RGB/RGBW
Wiring Diagram PDF

Pixel
Wiring Diagram PDF

Tunable White
Wiring Diagram PDF

Warm Dim
Wiring Diagram PDF

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