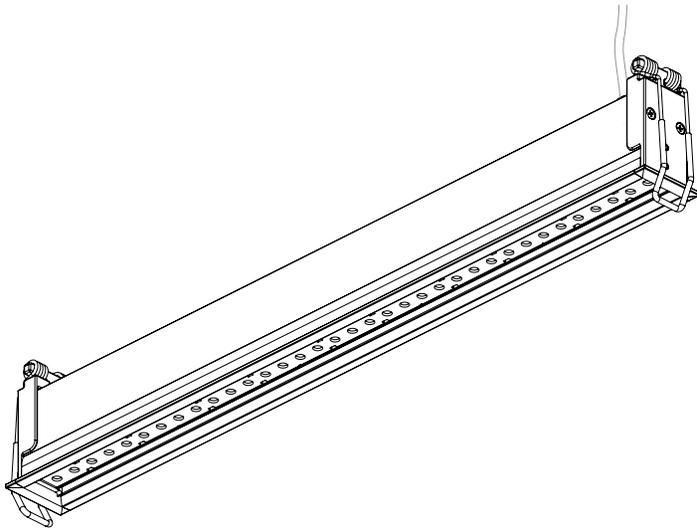


WARNING: RISK OF FIRE AND ELECTRICAL SHOCK. FIXTURE MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY IN ACCORDANCE WITH NATIONAL, LOCAL BUILDING AND ELECTRICAL CODES. DISCONNECT POWER AT ELECTRICAL PANEL BEFORE SERVICING.

15301 INSTALLATION INSTRUCTIONS FOR LINEAR RECESSED MICRO OPTIC LED LIGHT

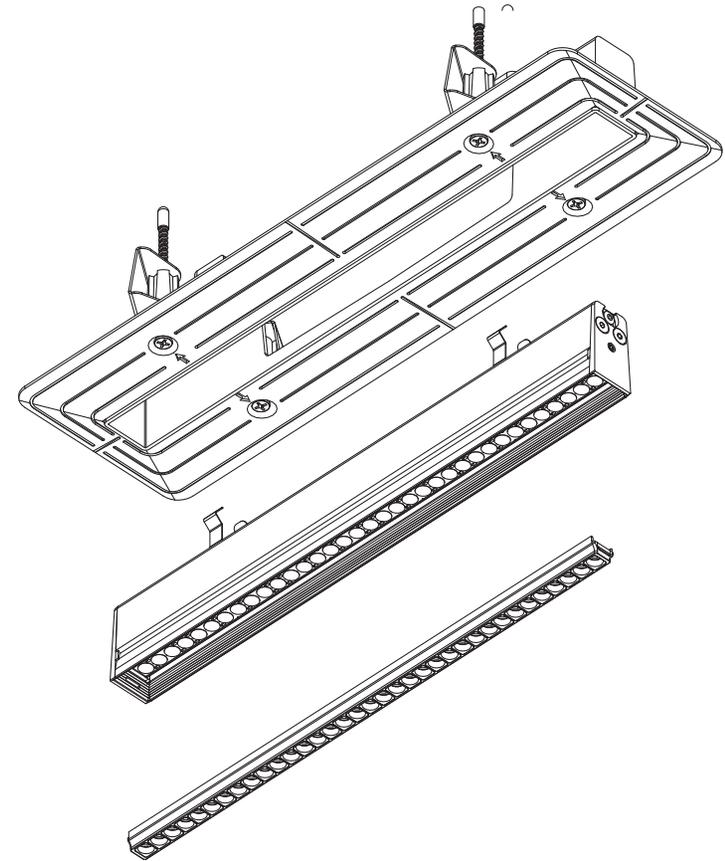
Please read all instructions prior to installation and keep for future reference!

1. Product to be installed by a qualified electrician.
2. Use only with class 2 power unit.
3. 24 VOLTS DC.
4. Type IC, inherently protected.
5. Suitable for wet location (covered ceiling).
6. Airtight per ASTM E283.



Trimmed

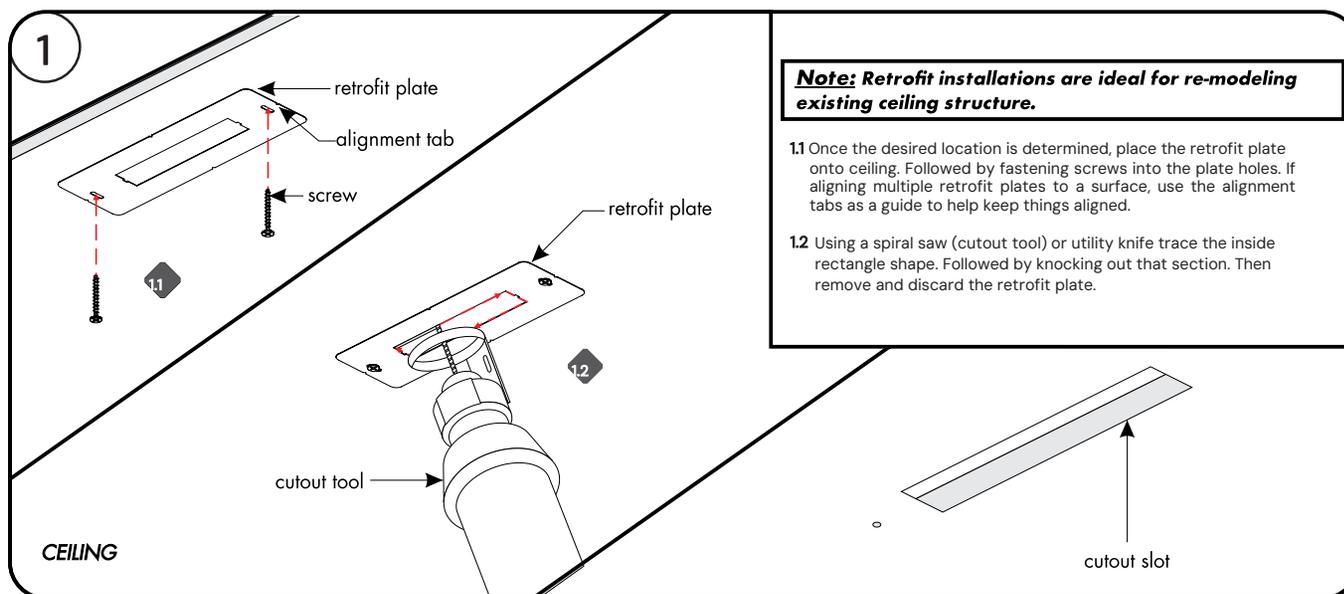
Pages 2 to 9



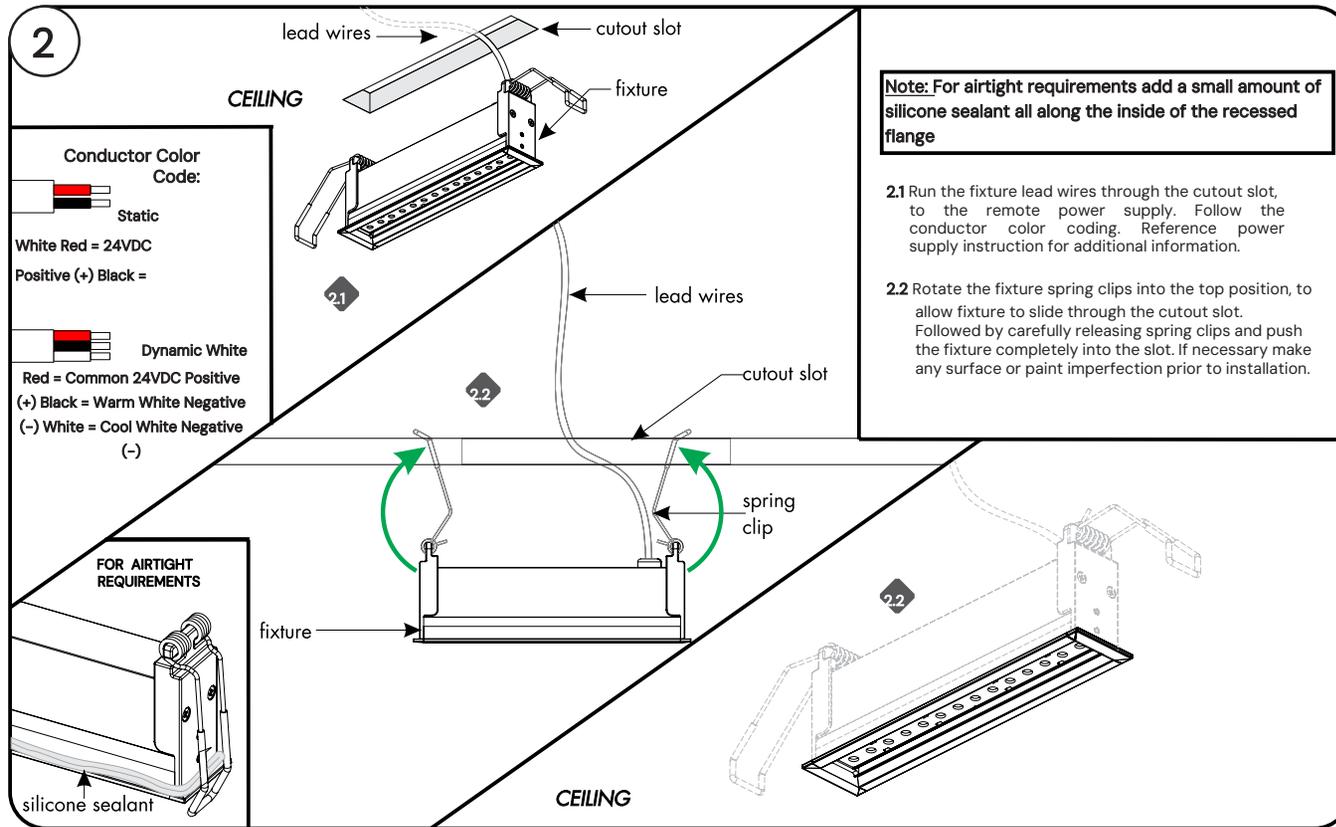
Trimless

Pages 9 to 13

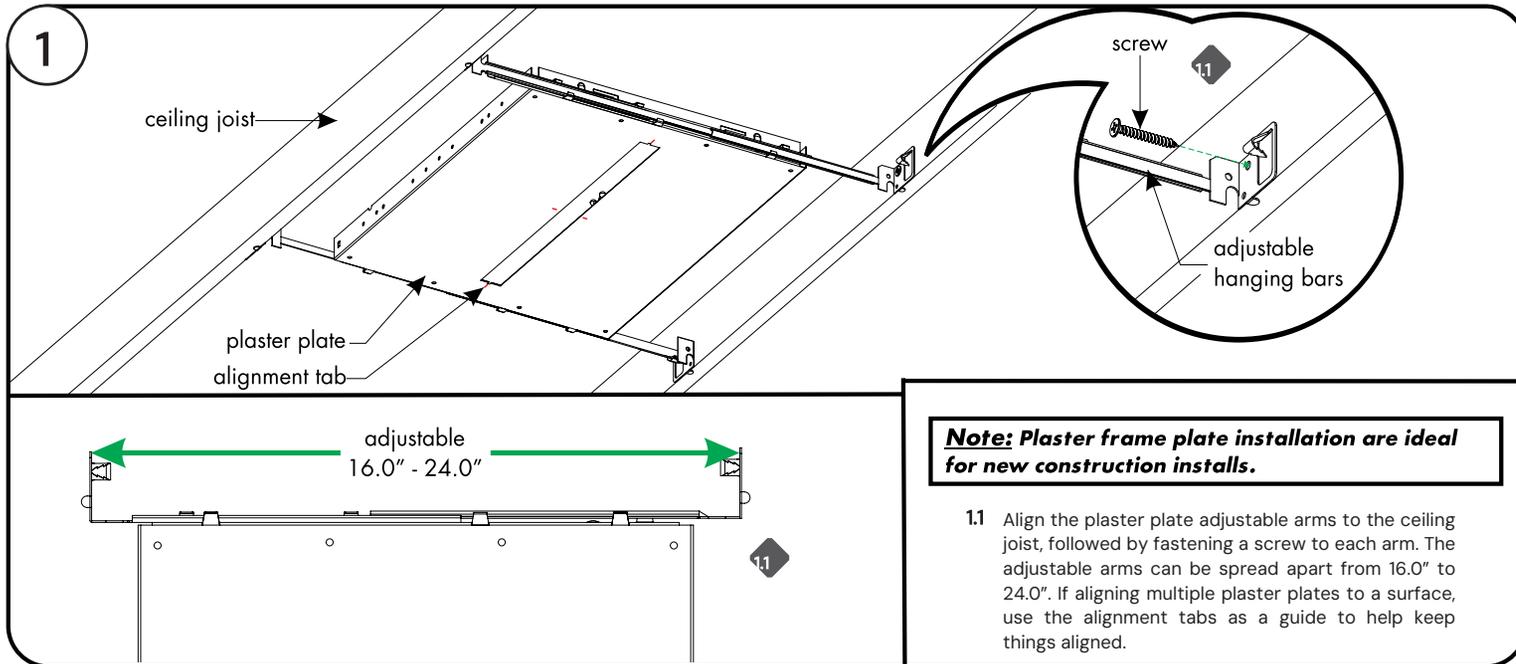
Mounting Method 1: Retrofit Install



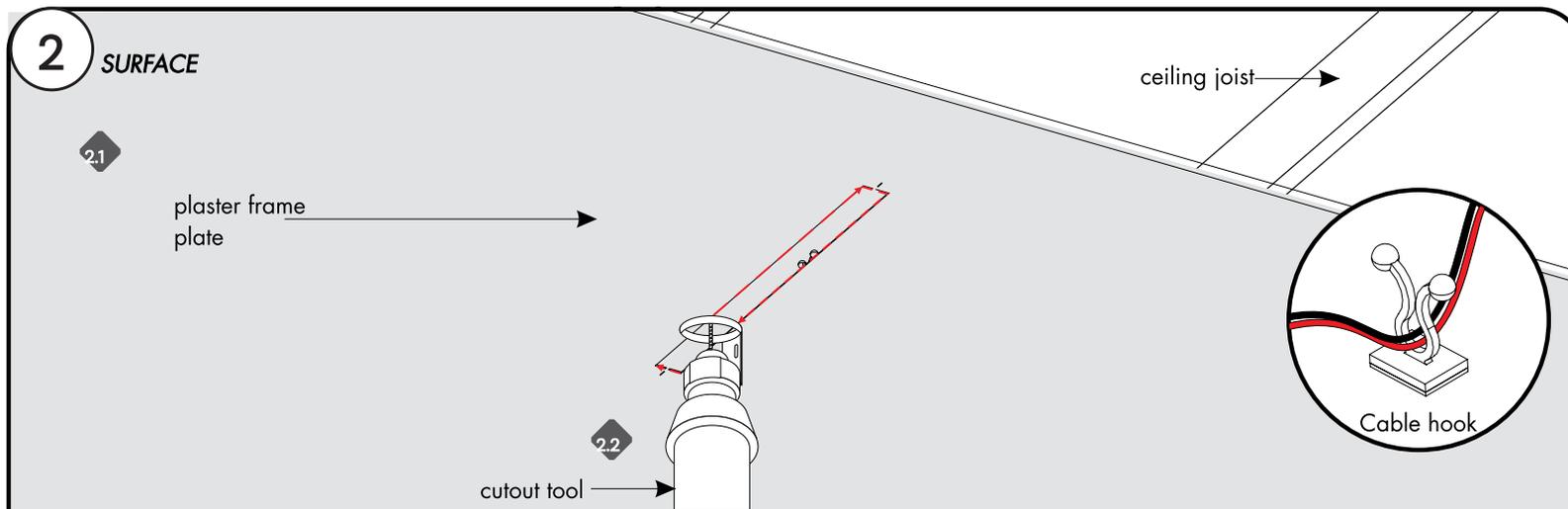
Mounting Method 1: Retrofit Install



Mounting Method: Plaster Frame Hanger Bar Plate Installation



Mounting Method: Plaster Frame Hanger Bar Plate Installation



The diagram illustrates the installation of a plaster frame hanger bar plate. It shows a ceiling joist and a plaster frame plate being attached to it. A cutout tool is used to cut around the plaster plate trim. A cable hook is shown in a circular inset, which is used to secure the power supply wires. The diagram is divided into two steps: 2.1 and 2.2.

2 SURFACE

2.1 plaster frame plate

ceiling joist

2.2 cutout tool

Cable hook

Note: Prior to surface installation, run all remote power supply wires to the cable hook, located on the back of the plaster frame plate. For easy access afterwards. Make sure wires aren't too close to the fixture opening to avoid damaging wires in step 2.2

2.1 Install the 1/2" - 5/8" surface to the ceiling joist.

2.2 Using a spiral saw (cutout tool) or utility knife cut around the plaster plate trim. Followed by knocking out that surface section.

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3

lead wires

adjustable arm

ceiling joist surface

Conductor Color Code:

- Static
- White Red = 24VDC
- Positive (+) Black =
- Negative (-) Dynamic White
- Red = Common 24VDC Positive
- (+) Black = Warm White Negative
- (-) White = Cool White Negative
- (-)

plaster plate

drywall

fixture

FOR AIRTIGHT REQUIREMENTS

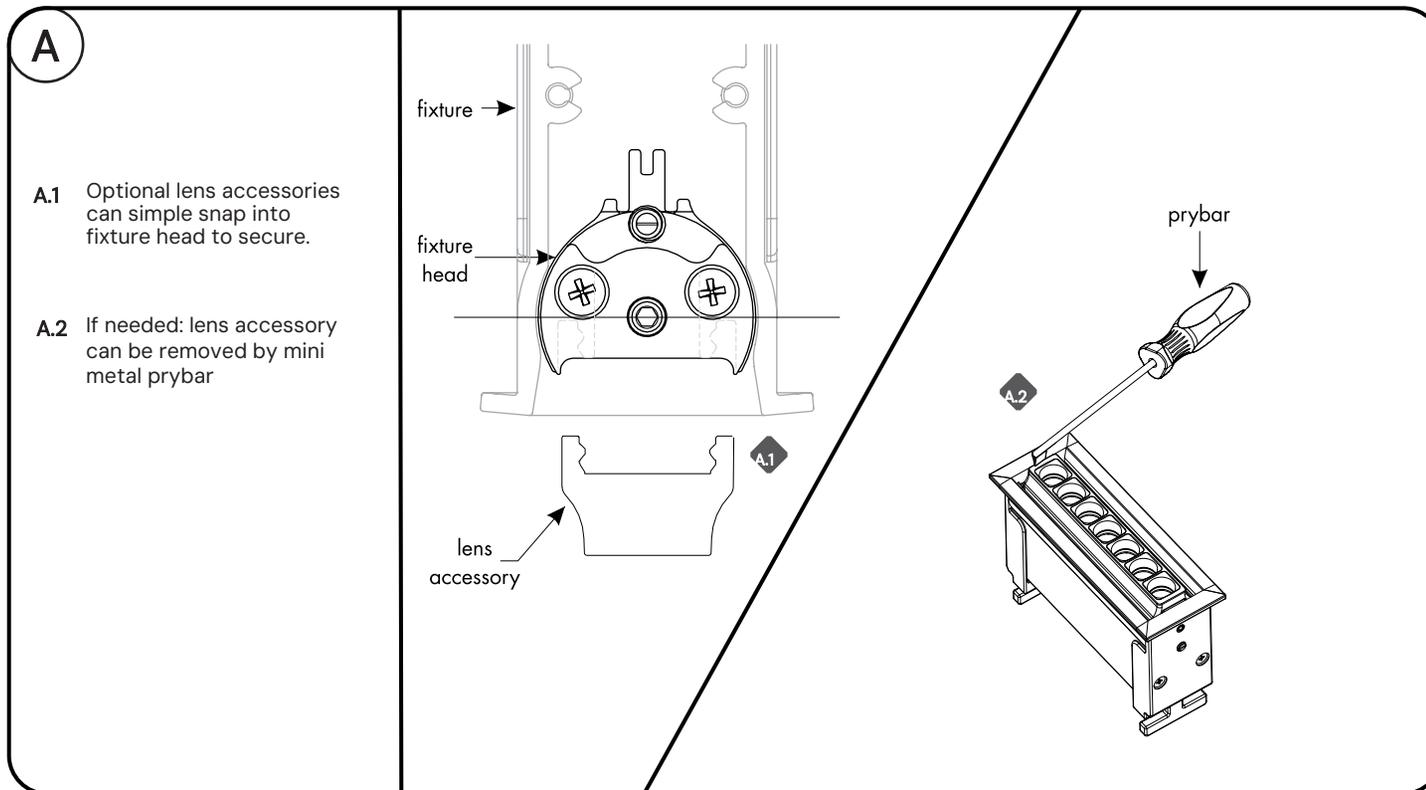
silicone sealant

3.1 Run the fixture lead wires through the cutout slot, to the remote power supply. Reference power supply instruction for additional information.

3.2 Rotate the fixture spring clips into the top position, to allow fixture to slide through the cutout slot. Followed by carefully releasing spring clips and push the fixture completely into the slot. If necessary make any surface or paint imperfection prior to installation.

Note: For airtight requirements add a small amount of silicone sealant all along the inside of the recessed flange

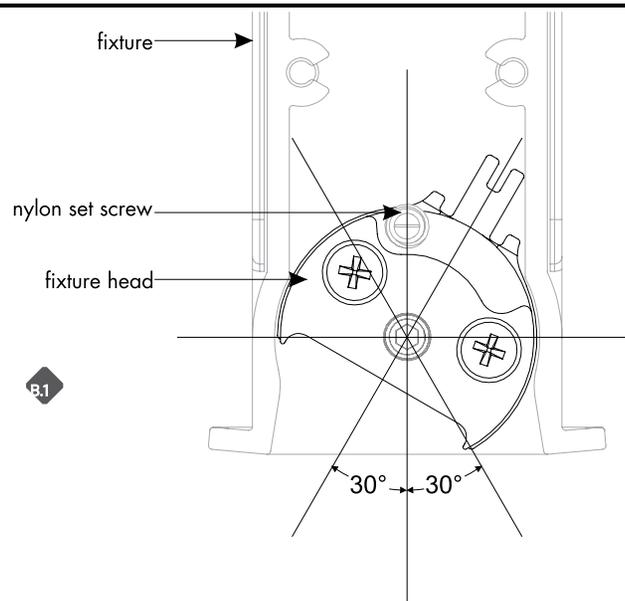
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B

B.1 If necessary fixture head beam angle is adjustable! Carefully push on the edge of the head to either side, fixture head can rotate 30° in either direction. Once head is adjusted to the desired angle, fixture head stays in place.

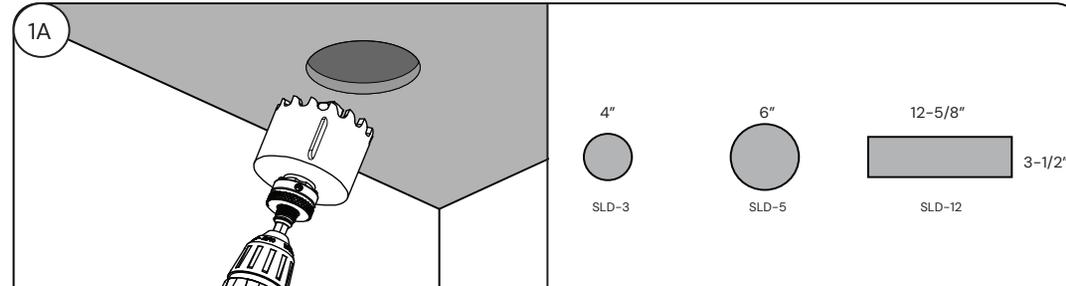
Note: If fixture head locked in position slightly loosen the nylon set screws to adjust. Once beam angle is achieved, tighten nylon set screw to secure the position.



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Mounting Method 1A: Retrofit Install

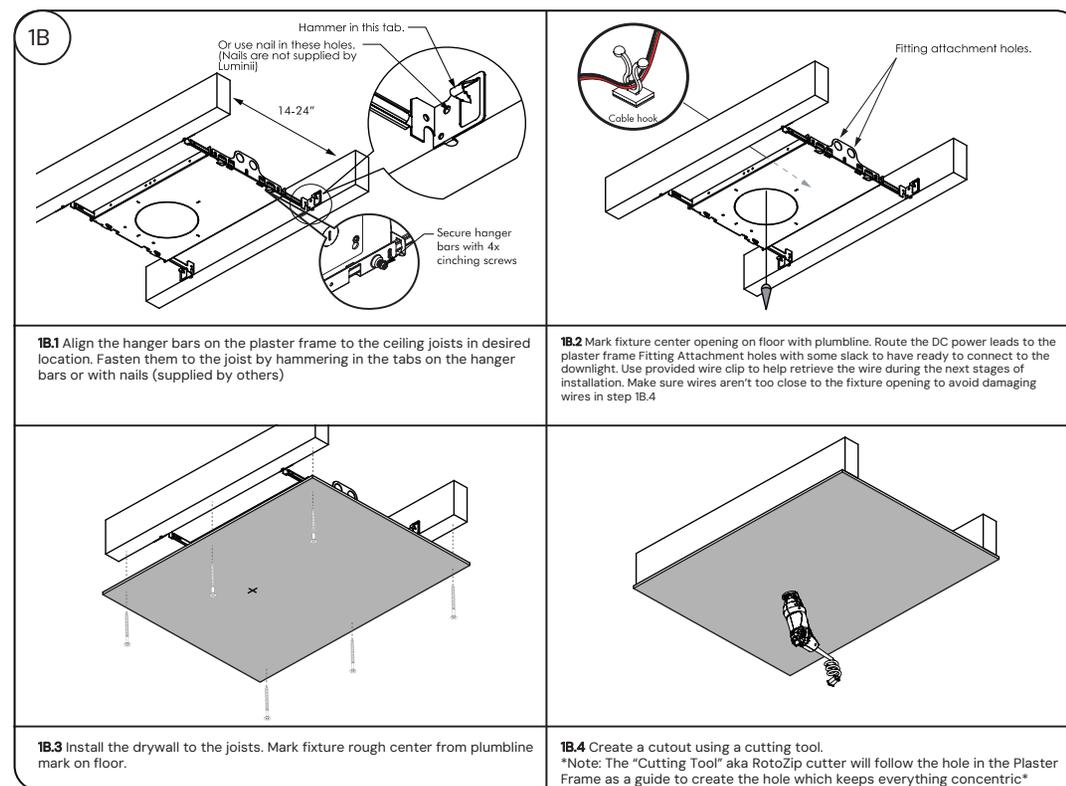
1A



Using appropriate hole saw or drywall cutter, drill/cut location for fixture. Fish the power lead wires from Power Supply through the cutout for easy access.

Mounting Method 1B: New Construction Install (SLD-5 Shown)

1B



1B.1 Align the hanger bars on the plaster frame to the ceiling joists in desired location. Fasten them to the joist by hammering in the tabs on the hanger bars or with nails (supplied by others)

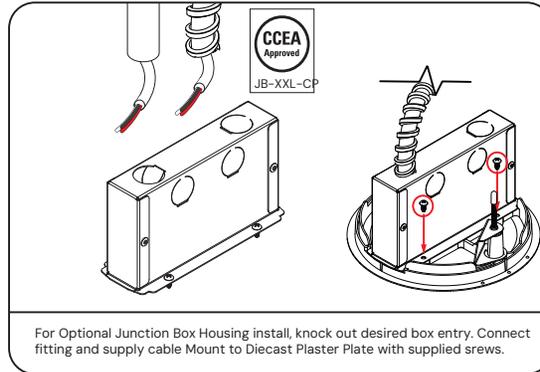
1B.2 Mark fixture center opening on floor with plumbline. Route the DC power leads to the plaster frame Fitting Attachment holes with some slack to have ready to connect to the downlight. Use provided wire clip to help retrieve the wire during the next stages of installation. Make sure wires aren't too close to the fixture opening to avoid damaging wires in step 1B.4

1B.3 Install the drywall to the joists. Mark fixture rough center from plumbline mark on floor.

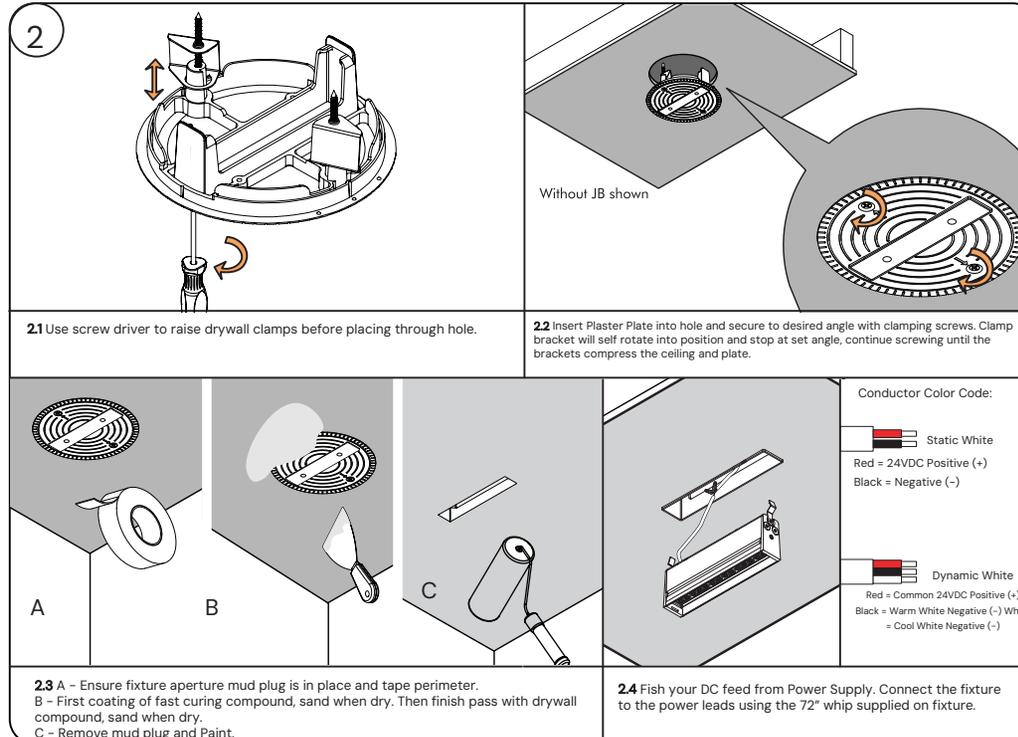
1B.4 Create a cutout using a cutting tool.
Note: The "Cutting Tool" aka RotoZip cutter will follow the hole in the Plaster Frame as a guide to create the hole which keeps everything concentric

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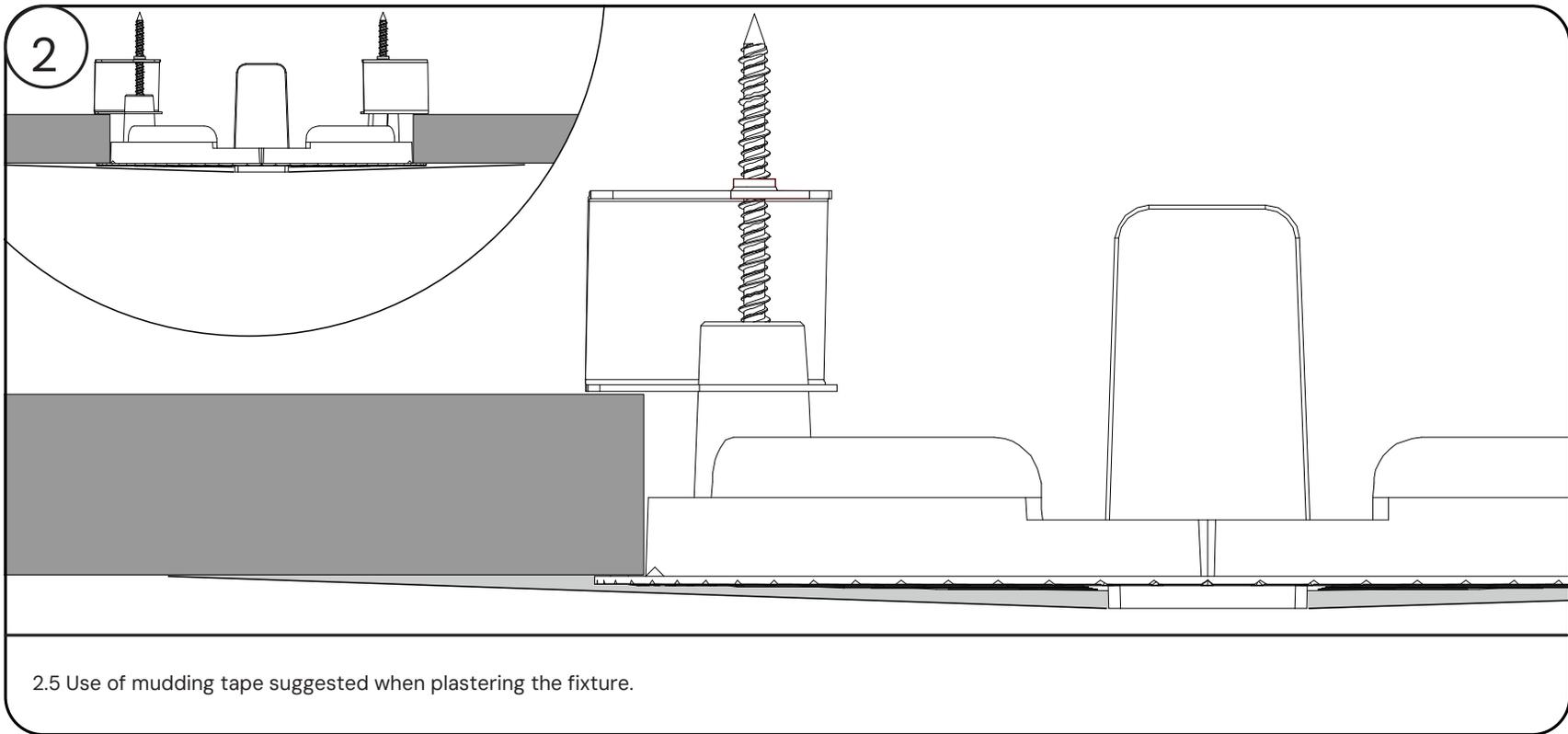
Junction Box Housing Install (OPTIONAL)



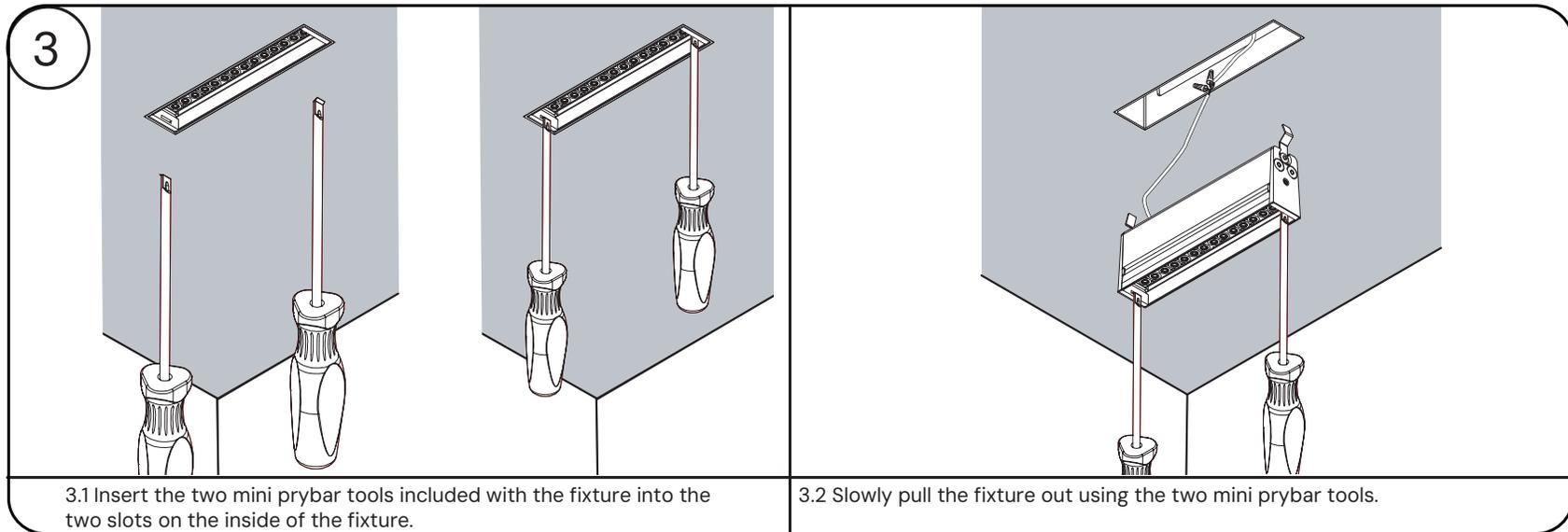
Plaster Plate Install



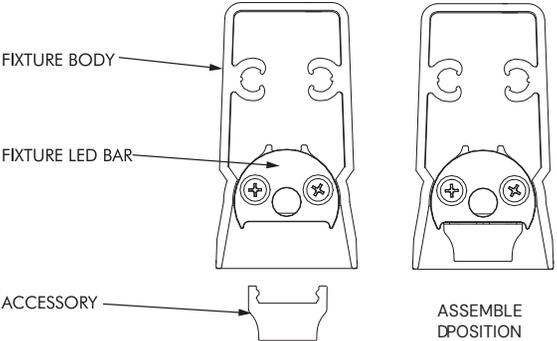
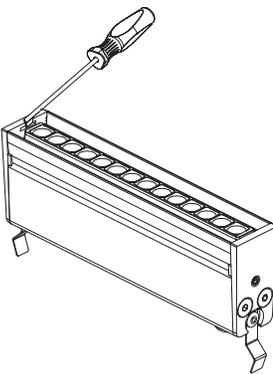
Plaster Plate Install



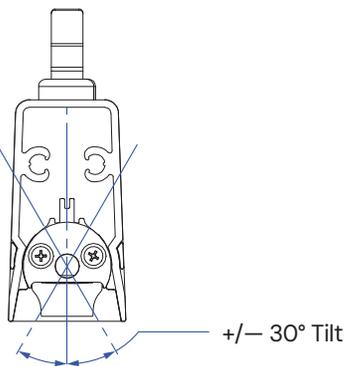
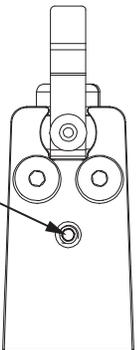
Fixture Removal



Accessory Install & Removal

| | |
|---|---|
| <p>4</p>  |  |
| <p>4.1 Optional lens accessories can be simply snapped into the fixture LED bar to secure.</p> | <p>4.2 If needed: Lens accessory can be removed by inserting the mini prybar tool in between the endcap and the fixture head. Followed by a careful gentle prying out of the accessory.</p> |

Aiming Fixture

| | |
|---|---|
| <p>5</p>  |  <p>LED BAR LOCKING SET SCREW</p> |
| <p>5.1 If necessary fixture head beam angle is adjustable. Carefully press on the edge of the LED bar to either side to desired angle. Max rotation is $\pm 30^\circ$.</p> | <p>5.2 Once desired angle is achieved it can be further secured but the set screws on the endcaps. CAUTION: Minimal tension of the set screw is required to secure the bar.</p> |

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TOOL(S) NEEDED:

Cutout tool, Cordless drill and an elbow or L-shape adapter with Philips Insert Bit extension.

