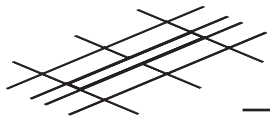




EDGE Techx 4

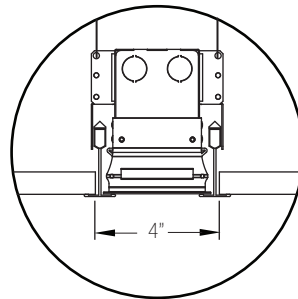
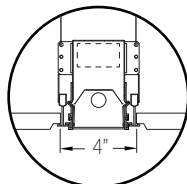
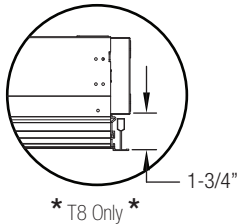
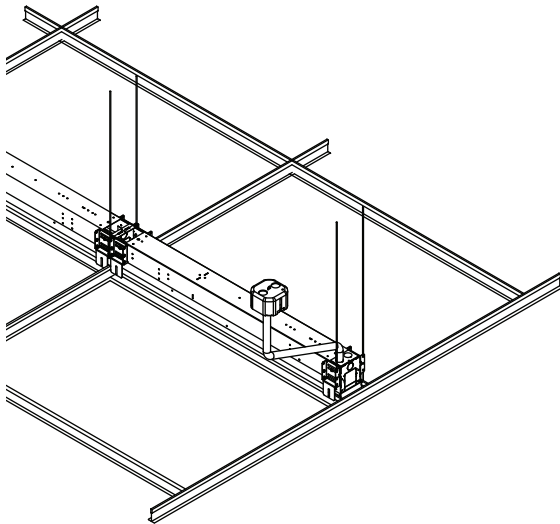
TECH ZONE CEILING INSTALLATION

TechZone Ceiling Installation	2-4
Straight Field Cut Illuminated Extensions	5-8
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EDGE TECHX 4 Grid Ceiling Installation

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Step 1: Layout/ Dimensions

1. Layout fixture and T-bar locations, fixtures require secondary mains along the length of the row, both sides.
2. Layout and install junction boxes.
3. Lay first fixture into grid. (note fixture extension, T8 Only)
4. Tie off fixture to structure.



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2. Minimum 90°C supply conductors
3. All electrical connections must be performed by a certified electrician to applicable local and national electrical codes.
4. Fixtures must be mounted directly to structure.

Designed in Denver Colorado

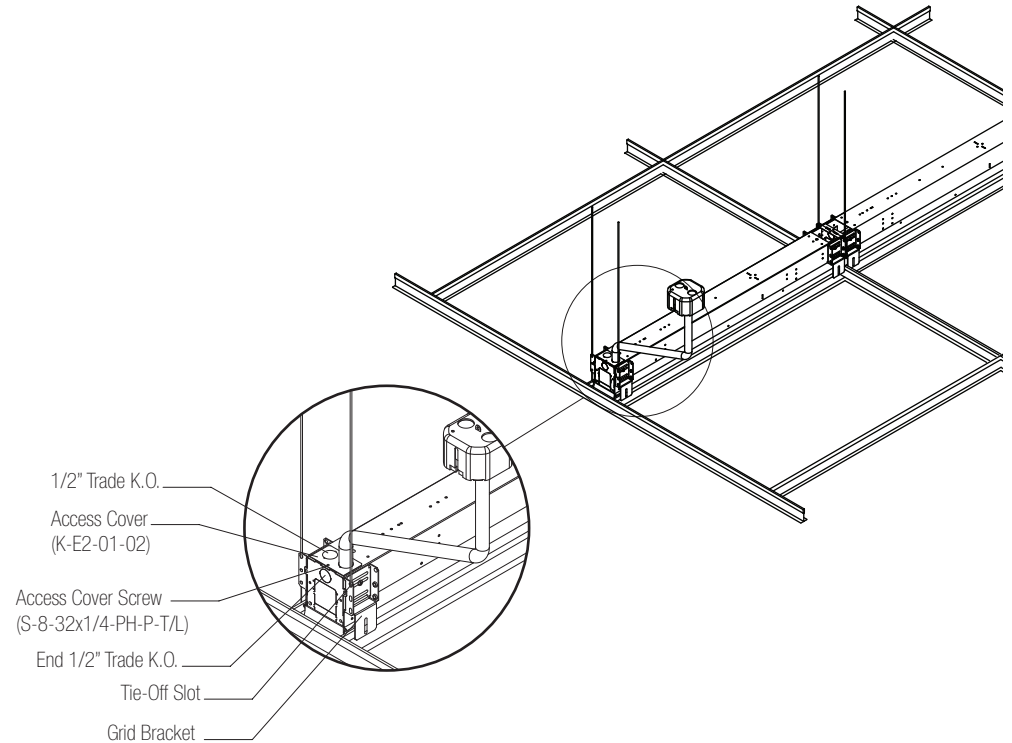
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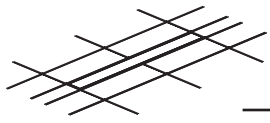
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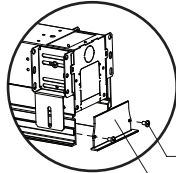
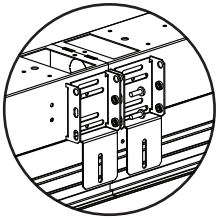
Step 2: Making the connections

1. Remove applicable access cover.
2. Attach conduit to access cover using 1/2" trade fitting.
3. Make electrical connections inside fixture.
4. Replace access cover.

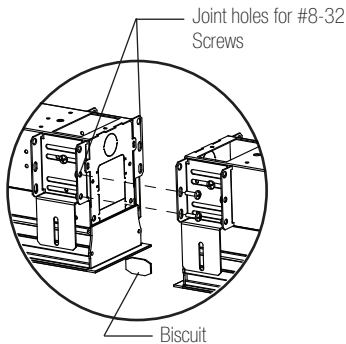
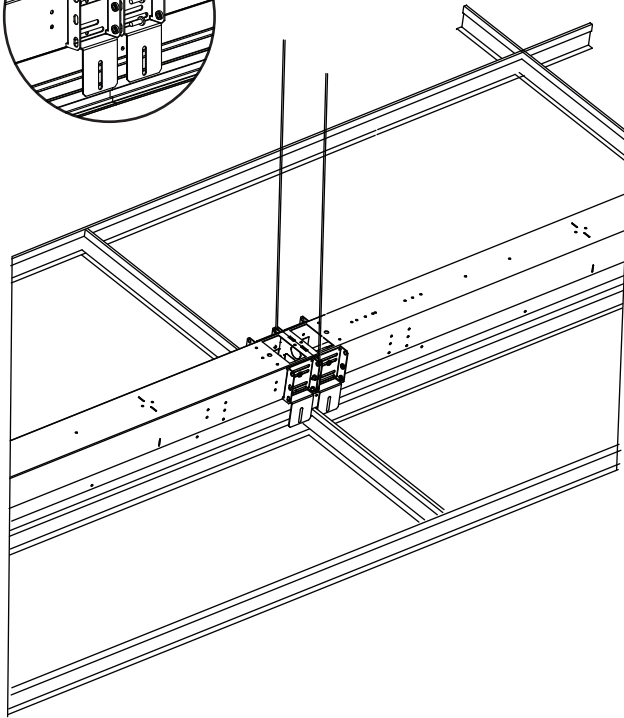


EDGE TECHX 4 Grid Ceiling Installation

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#8-32 self tapping screws
End trim
(End Trims come installed on individual units)

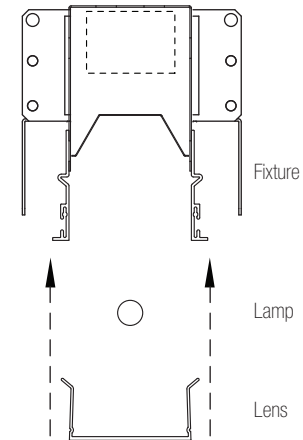


Joint holes for #8-32 Screws

Biscuit

Step 3: Continuous Runs

1. Remove knock-outs between fixtures.
2. Fixtures are through-wired for continuous runs.
3. Install end trim on all non joining ends.
4. Make necessary wiring connections between fixtures.
5. Align fixtures using supplied biscuits (2) and secure fixtures together using supplied #8-32 screws (2).



Step 4: Finishing

1. Install lamps.
2. Install lens or louver.
3. Secure fixture to grid through all Grid Brackets



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4. Fixtures must be mounted directly to structure.

Designed in Denver Colorado

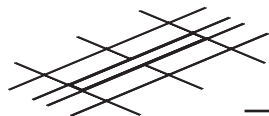
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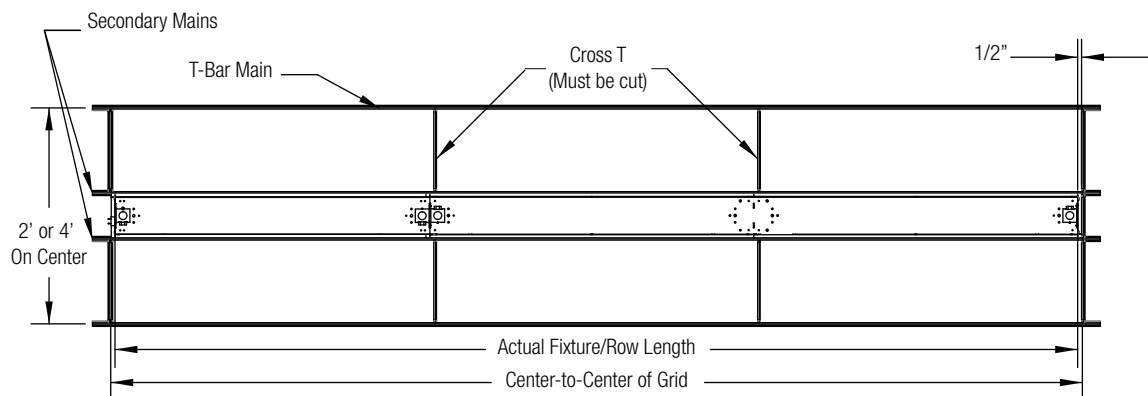
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EDGE TECHX 4 Grid Ceiling Installation

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★ Overall fixture or row length for recessed fixtures is 1" less than the center-to-center of the grid to fall "On-Grid" and fit within the T-bar opening.

Fixture	Nominal Fixture length (Bold) Verses Actual Length (T5/T8)				
	2'	3'	4'	6'	8'
BOR/INT	xx	xx	48"	72"	96"
EOR/IND	23"	35"	47"	71"	95"

BOR - Beginning of run
INT - Intermediate fixture
EOR - End of run
IND - individual fixture

Row Configuration Notes:

- Actual row lengths may vary from "Nominal".
- The over all rows do fall "On-Grid" and require additional T-Bar "mains" along the length of the row.
- Actual overall row length may be calculated using table above.
- Fixture runs require one (1) EOR/IND fixture in order to fall "On-Grid".
- Battery fixtures have test switch and indicator light remoted (conduit and J-Box by others).

Row Configuration Chart

Nominal Row Length	Actual Row Length	Fixture Units in Row Configuration
2 ft	1' 11"	23"
3 ft	2' 11"	35"
4 ft	3' 11"	47"
5 ft	4' 10"	23" + 35"
6 ft	5' 11"	71"
7 ft	6' 11"	48" + 35"
8 ft	7' 11"	95"
9 ft	8' 11"	72" + 35"
10 ft	9' 11"	72" + 47"
11 ft	10' 11"	96" + 35"
12 ft	11' 11"	96" + 47"
13 ft	12' 11"	72" + 48" + 35"
14 ft	13' 11"	96" + 71"
15 ft	14' 11"	96" + 48" + 35"
16 ft	15' 11"	96" + 95"
17 ft	16' 11"	96" + 72" + 35"
18 ft	17' 11"	96" + 72" + 47"
19 ft	18' 11"	96" + 96" + 35"
20 ft	19' 11"	96" + 96" + 47"
21 ft	20' 11"	96" + 72" + 48" + 35"
22 ft	21' 11"	96" + 96" + 71"
23 ft	22' 11"	96" + 96" + 48" + 35"
24 ft	23' 11"	96" + 96" + 95"
25 ft	24' 11"	96" + 96" + 72" + 35"

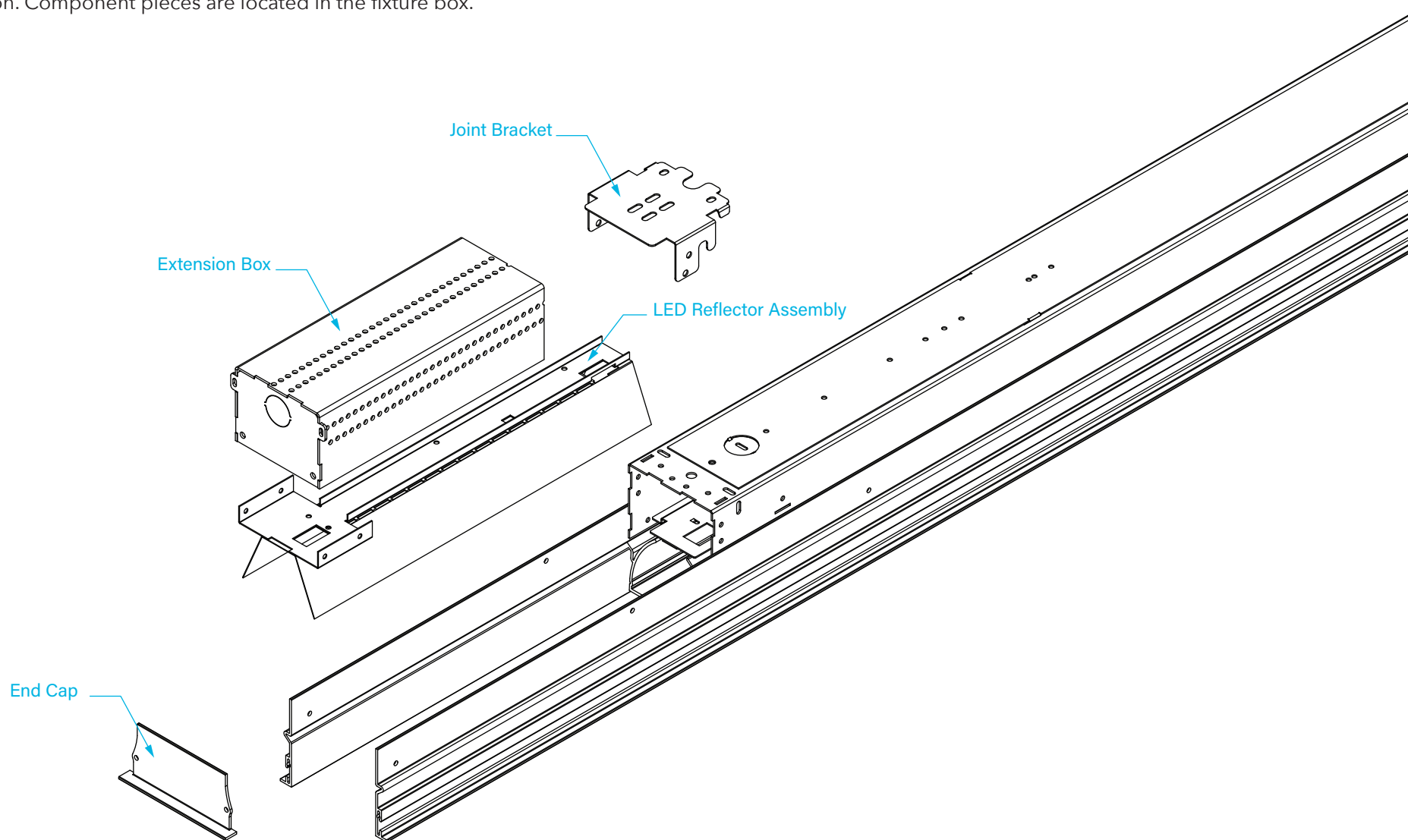


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2. Minimum 90°C supply conductors
3. All electrical connections must be performed by a certified electrician to applicable local and national electrical codes.
4. Fixtures must be mounted directly to structure.



ILLUMINATED EXTENSION OVERVIEW

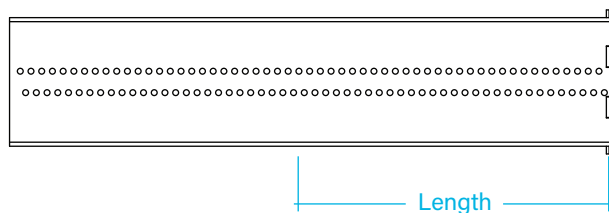
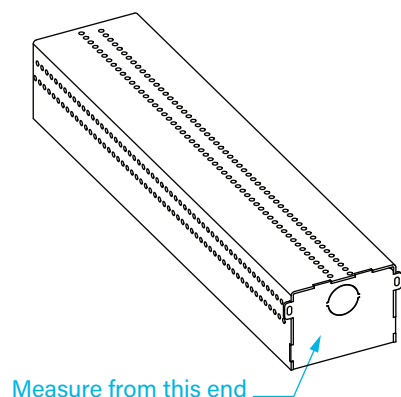
Below are the component pieces required for adjusting and installing the extension. Component pieces are located in the fixture box.





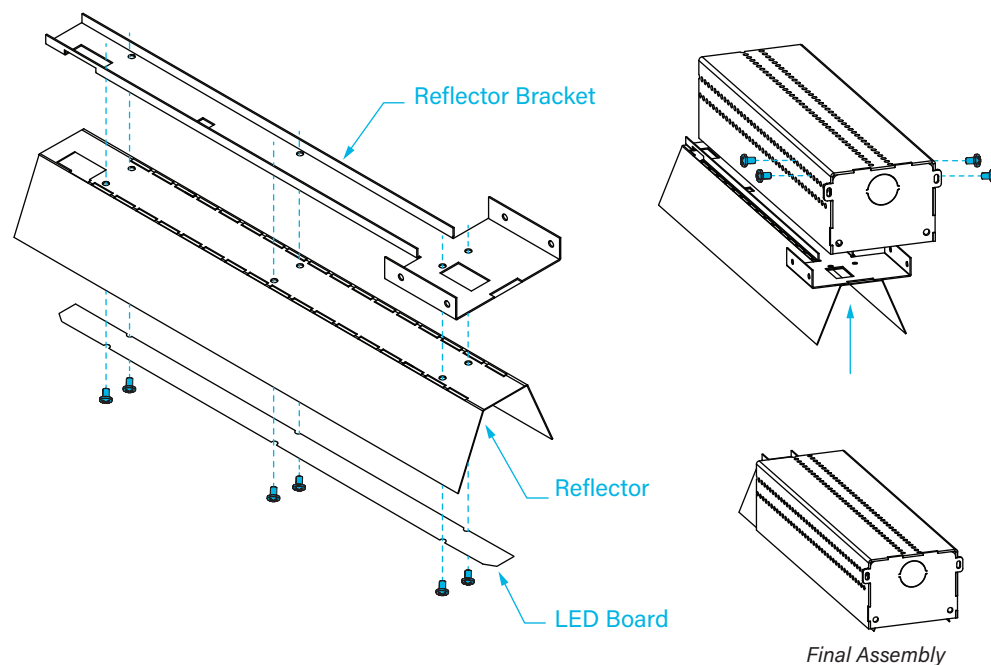
1 EXTENSION BOX PREP

Measure the desired length of the final assembled fixture (Extension Box + Main Fixture). Measure the required length from the end of the extension box. Make sure to measure from the closed end, that will become the end of the fixture.



2 LED INSTALLATION

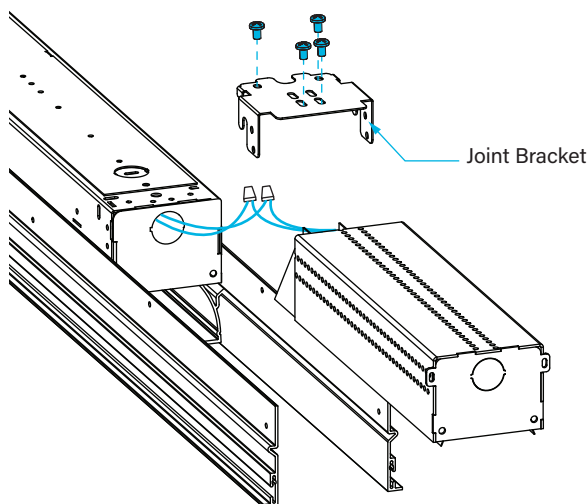
After cutting the extension box, Assemble and install the LED Reflector Assembly. The LED Reflector assembly is made up of 3 parts. The LED board, the reflector, and the bracket. All three are connected using screws. Once the LED Reflector Assembly is together that gets installed in the extension box using 4 screws through the sides.





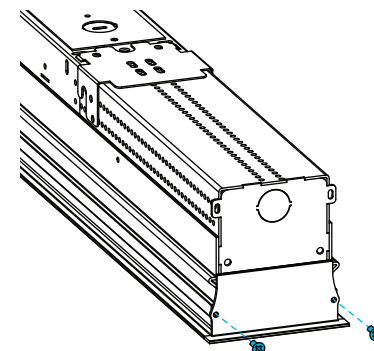
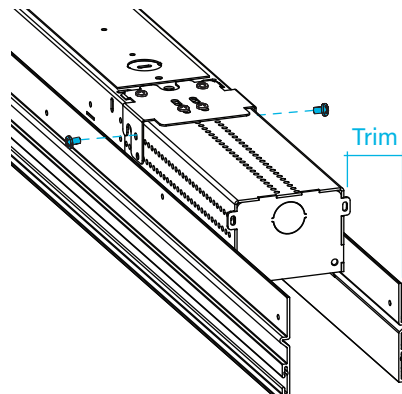
3 EXTENSION BOX INSTALLATION

Take the illuminated extension and connect the LED wires to the wires protruding from the main fixture. It is recommended to store any excess wiring in extension box. Slide the extension in between the rails and flush with fixture housing. Secure the extension to the fixture using the provided joint bracket. The joint bracket will connect on the top of the fixture and the top of the extension via 4 screws as show below.



4 FINISHING

Finish securing of extension to housing with two (2) additional screws, one for each side of the fixture. Once extension is full secured to main fixture trim the excess rails to be flush with end of extension. Once rails and extension box are flush install end cap with 2 screws to finish housing.

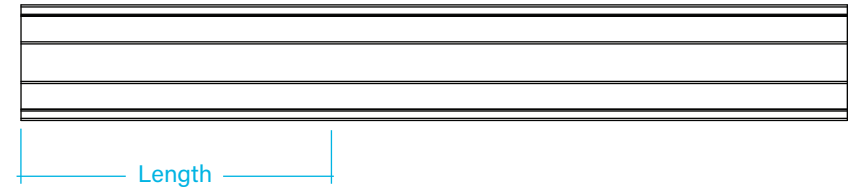
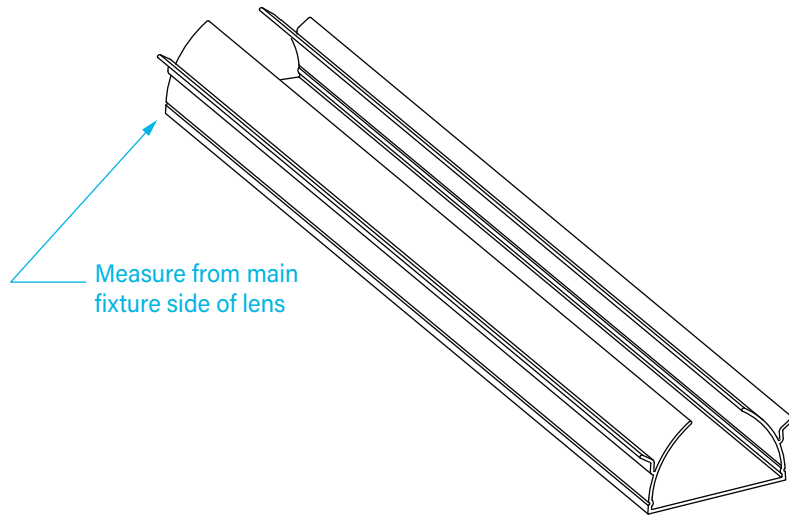




5 TRIM LENS AND INSTALL

Select and measure the desired lens length. The lens included in the kits are longer than required. Lens material expands with the heat of the LED boards. Run the saw at full speed and cut the lens slowly to avoid fracture and/or cracking. To account for this, subtract 1/32" from the total desired fixture length to account for thermal expansion.

(i.e. 96" fixture takes a total or combined lens length of 95.969")



DISCLAIMERS

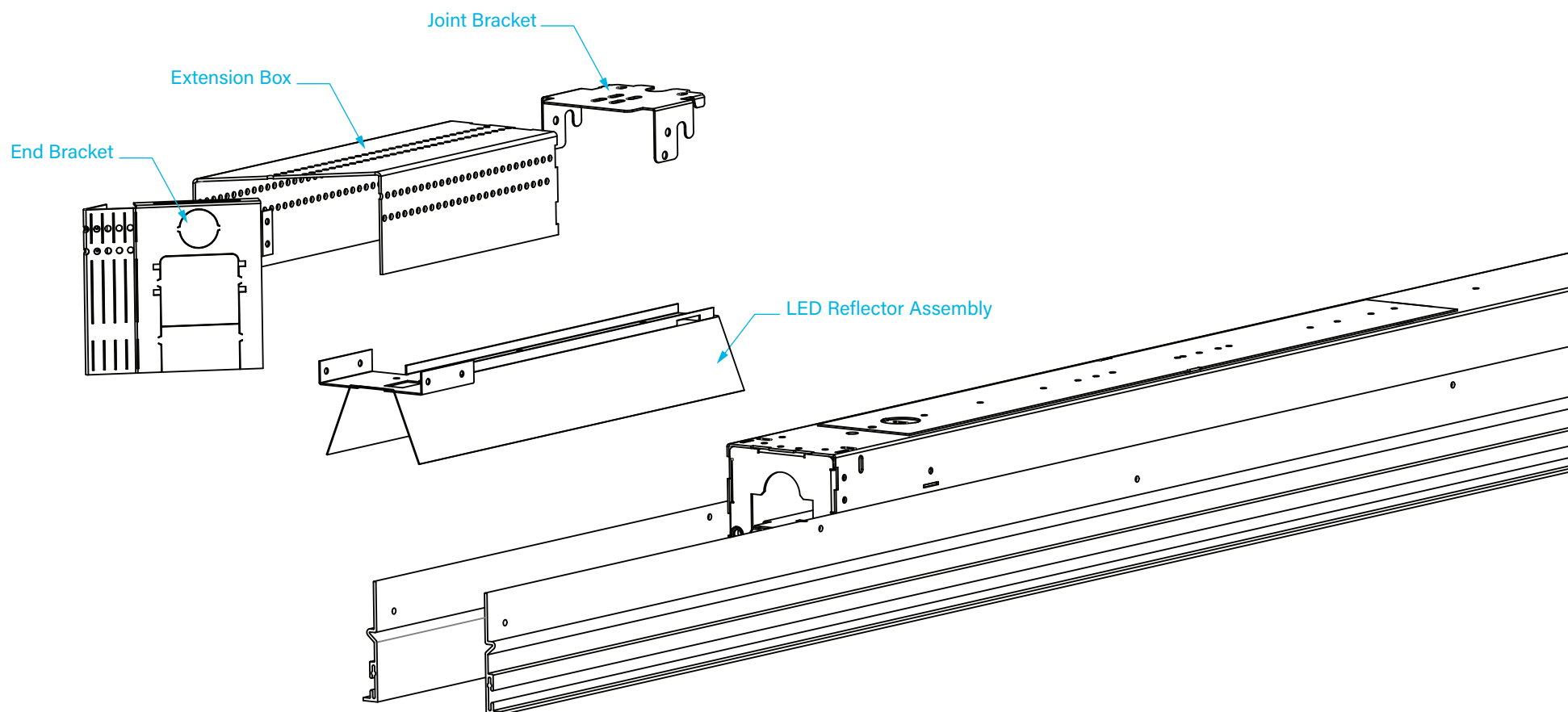
A carbide tipped saw blade for aluminum is recommended for cutting the extension box.
An AGE MD12-962 Industrial Carbide tipped plastic saw blade is recommended for cutting the lens.
This product must be installed in accordance with applicable installation and electrical codes by a professional familiar with the construction and operation of the product.
Minimum 90° C supply conductor.

All electrical connections must be performed by a certified electrician to applicable local and national electrical codes.
Damaged components must never be used.
Contact Pinnacle prior to making any fixture alterations.
Contact Pinnacle with any installation questions or field issues.



ILLUMINATED EXTENSION OVERVIEW

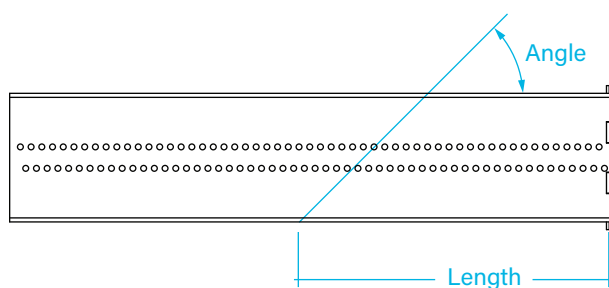
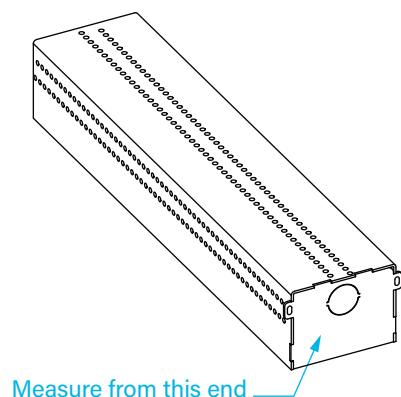
Below are the component pieces required for adjusting and installing the extension. Component pieces are located in the fixture box.





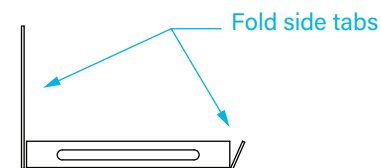
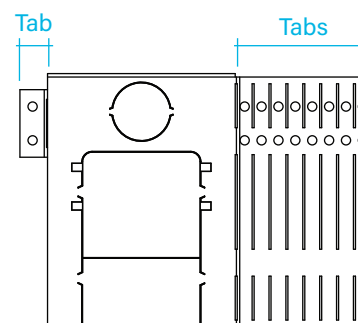
1 EXTENSION BOX PREP

Measure the desired length and angle of the final assembled fixture (Extension Box + Main Fixture). Measure the required length from the end of the extension box. Make sure to measure from the end that attached to the main fixture.



2 END BRACKET SETUP

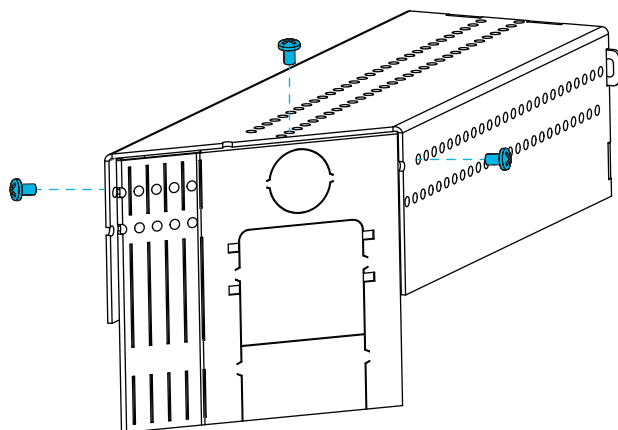
After cutting the extension box, locate end bracket. Fold the end bracket's tabs to a position that will minimize the gap between the extension box and the end bracket. The additional tabs may be cut if desired.





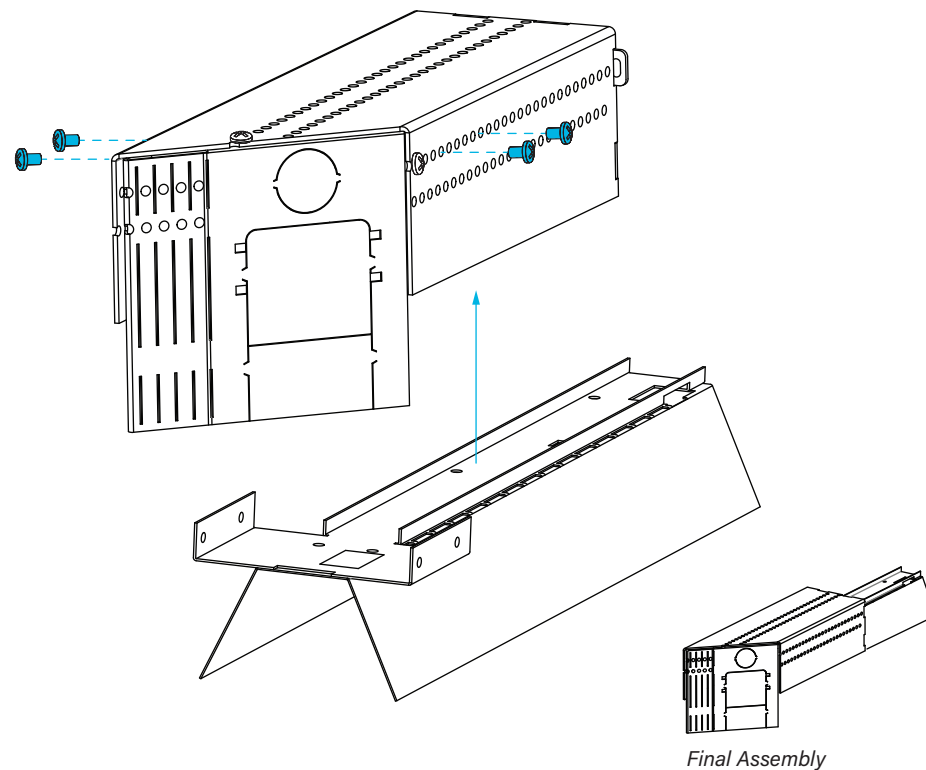
3 EXTENSION BOX ASSEMBLY

Secure the end bracket to the cut end of the extension box. Utilize 3 screws/rivets from kit and place them in the locations as shown below.



4 LED EXTENSION INSTALLATION

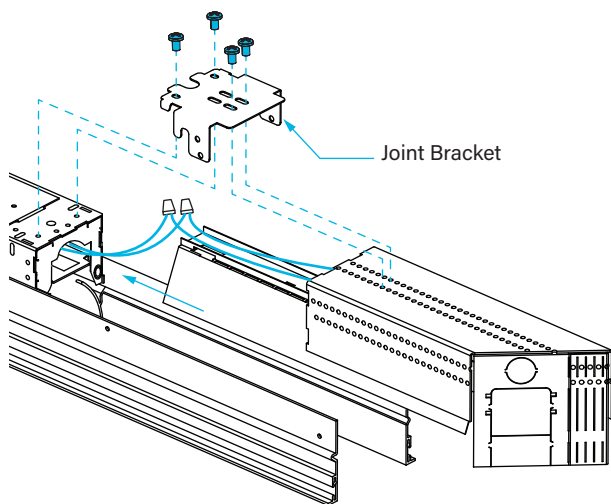
Install the LED board and reflector assembly as shown below using (4) screws/rivets from the kit. Secure the parts in the top row of holes when viewing from a room view perspective. (note: the LED board in the extension box will sit "above", when viewing from a room side, the main fixture's LED board.)





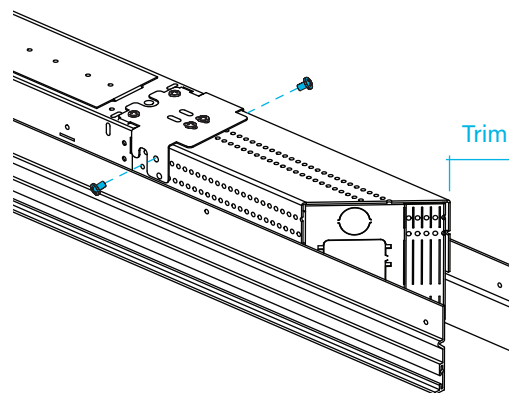
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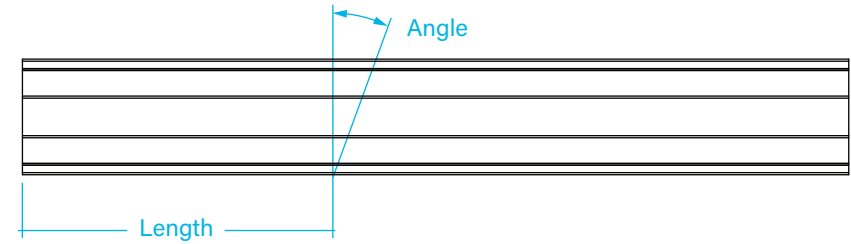
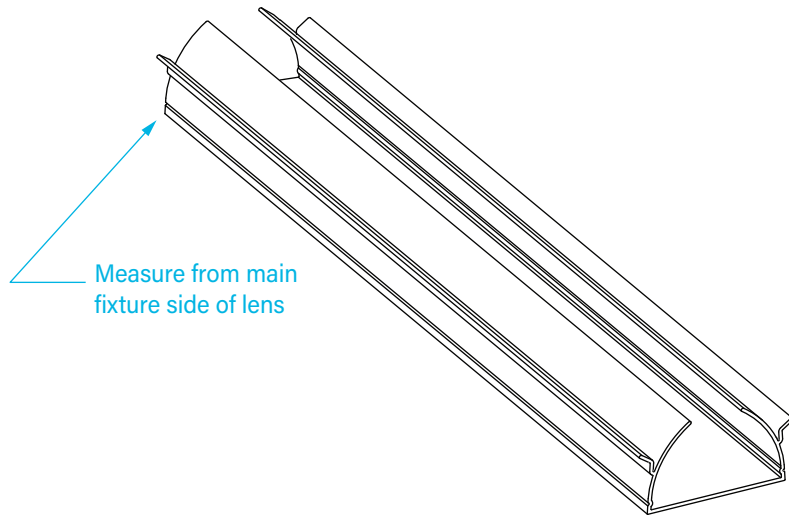




7 TRIM LENS AND INSTALL

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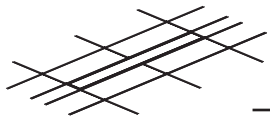
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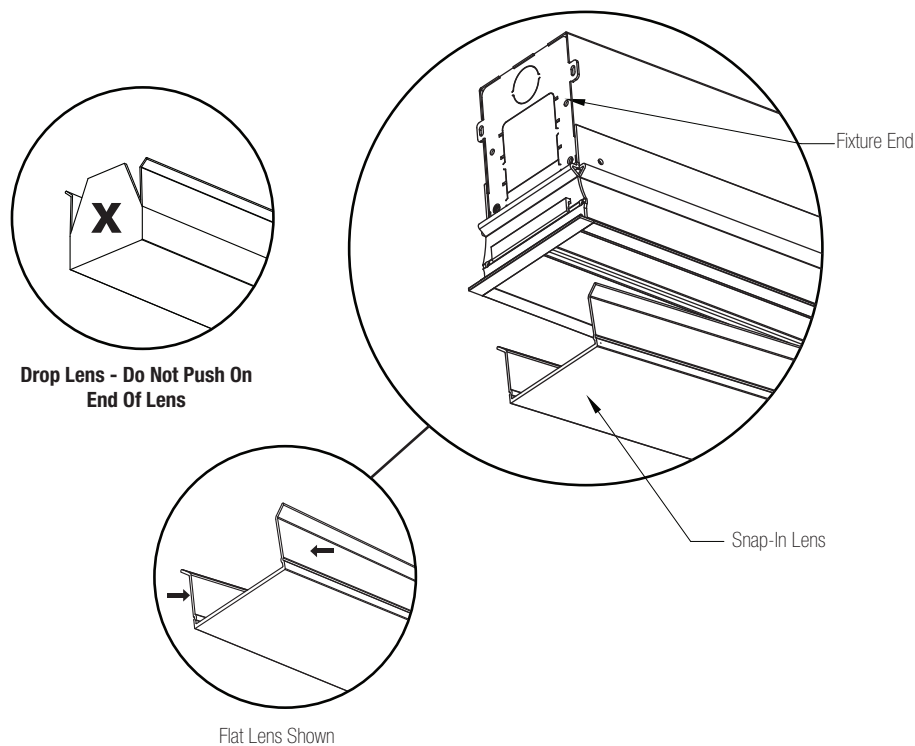
EDGE Snap In Lens

Lensing detail sheet

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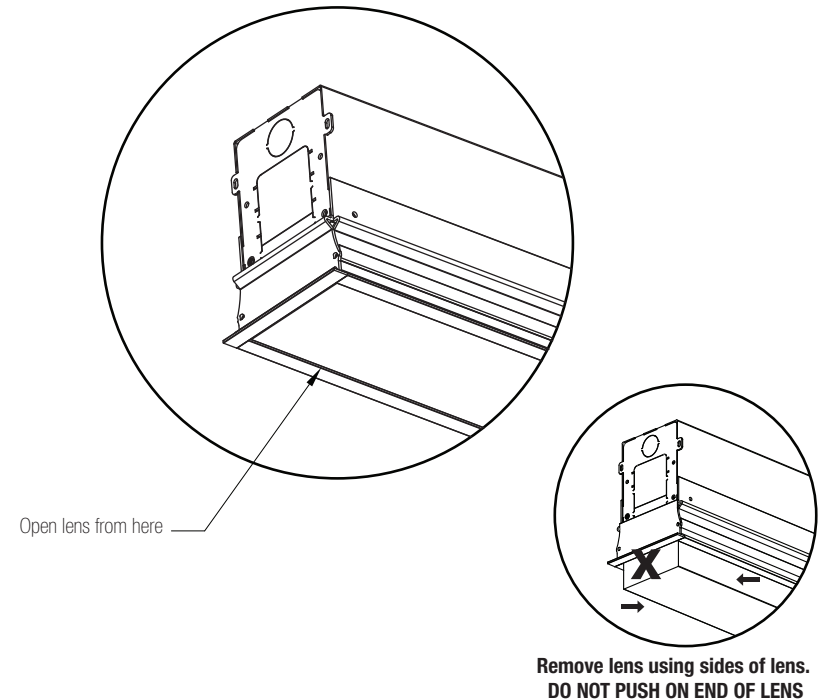
Lens Installation

1. Begin at one end of the lens and squeeze sides to allow it to flex.
2. Insert end of lens into place. Lens will snap into place when installed properly.
3. Slowly insert rest of lens down the length of the fixture



Lens Removal

1. Insert a rigid object approx. 1/16" thick, such as a putty knife, into the edge between the lens and the fixture side about one inch from end.
2. Using said object, gently pry lens away from fixture until it is released from the mounting edge.
3. Once the section is released, start at that end of the fixture and pull the lens out of the fixture.



Note: Low temperatures can effect the lens material, making it brittle. lease allow the lenses to warm to room temperature before installation.



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