edge ev6
Installation Instructions

pinnacle architectural lighting



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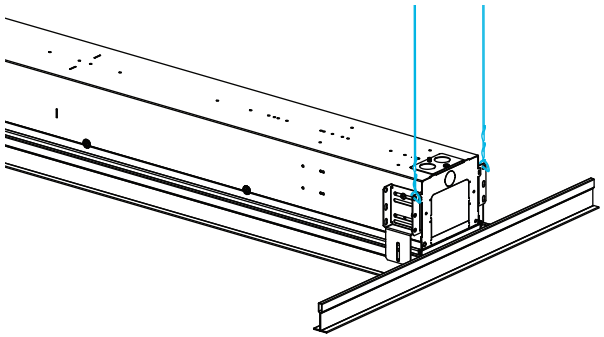
DISCLAIMERS | All of Pinnacle's packaging is recyclable with the exception of the straps on the pallets. Please reach out to the factory if you need assistance in recycling any packaging components. This product must be installed in accordance with applicable installation and electrical codes by a professional 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.

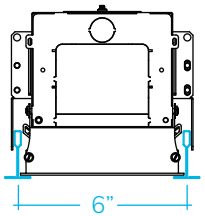
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Grid Installation

pinnacle architectural lighting

1 Grid Preparation + Installation

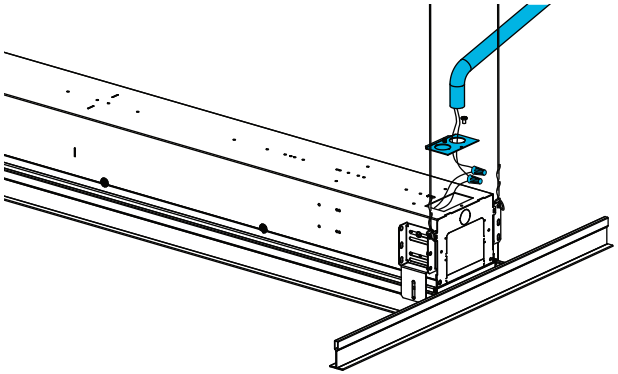
Prepare grid to the width needed to accommodate the fixture. Place fixture into grid opening and tie off fixture to support.





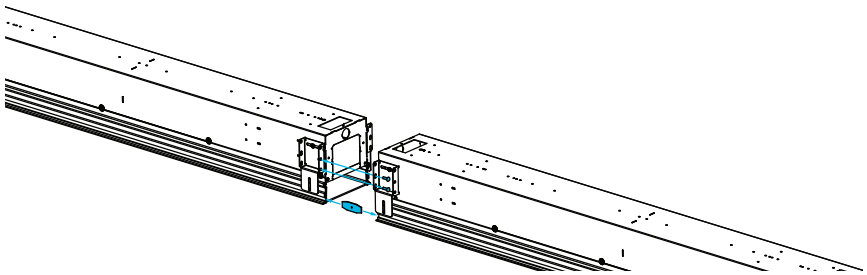
2 Power

Remove Access Plate via one screw. Make wiring connections to building power and replace Access Plate.



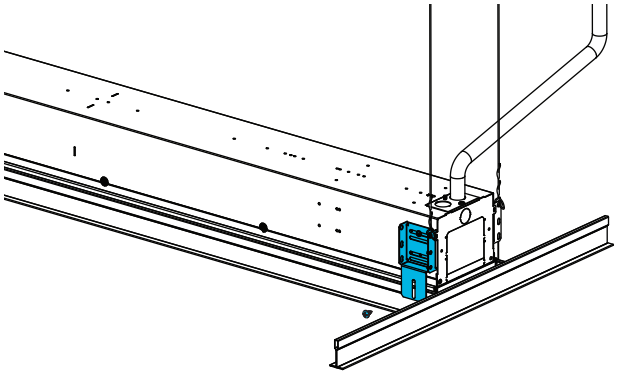
3 Joining

Make wiring connections between fixtures, tap joining biscuit in to one fixture, slide fixtures together, and secure using joining bracket and four screws.



4 Securing to Grid

Bend grid brackets over and fasten to grid.

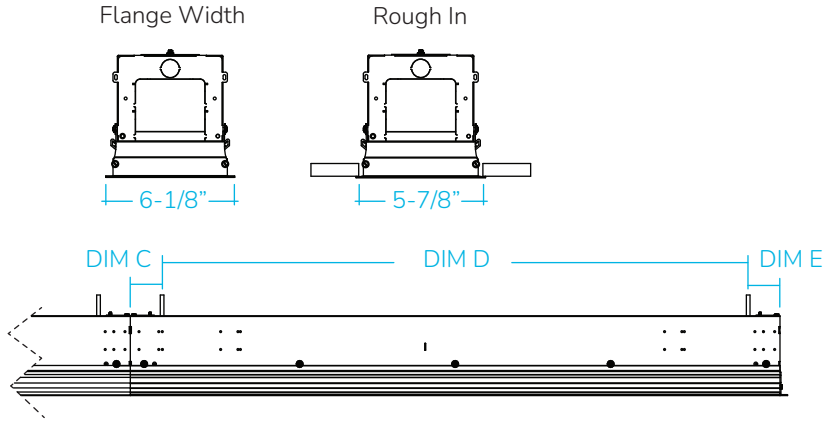


edge ev6
Flanged (FL) Installation

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1 Layout + Dimensions

Rough in fixture opening and install 1/4” hardware (by others) according to tables to the right. Fixture length can be found on label inside fixture.

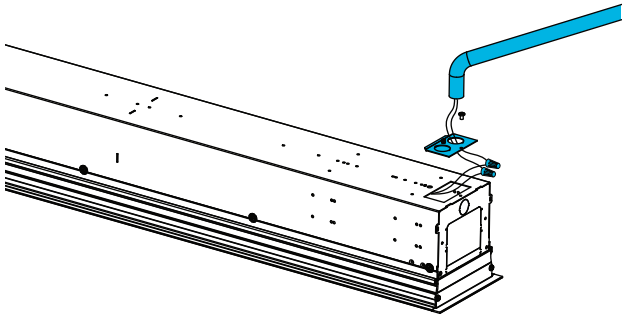


Threaded Rod Locations

Length	Dim “C”	Dim “D”	Dim “E”
23”	3/4”	21-1/2”	13/16”
24”	3/4”	22-1/2”	13/16”
35”	2-5/8”	29-3/4”	2-11/16”
36”	2-5/8”	30-3/4”	2-11/16”
47”	2-5/8”	41-3/4”	2-11/16”
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95”	1-5/8”	90-3/4”	2-11/16”
96”	2-5/8”	90-3/4”	2-11/16”

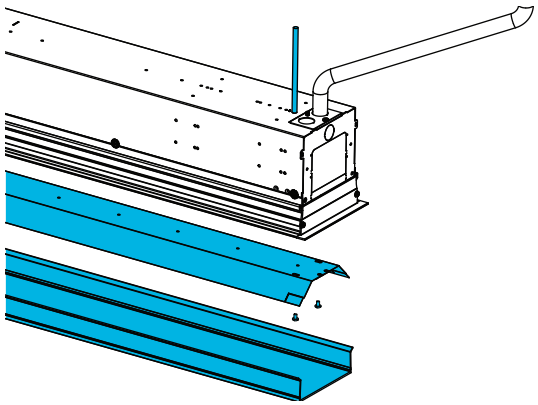
2 Power

Remove Access Plate via one screw. Make wiring connections to building power and replace Access Plate.



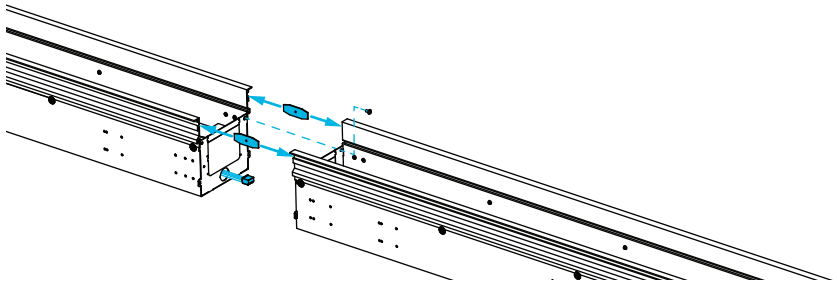
3 Individual Fixture

Carefully remove lens using a putty knife *(detail view on pg 24)*. Remove reflectors via matte black #8-23 screws. Disconnect reflector wiring. Mount fixture through mounting slot to 1/4” hardware (by others).



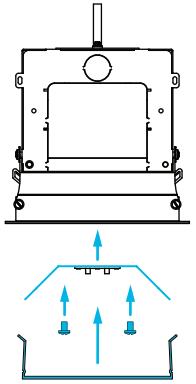
4 Joining Fixtures

Make wiring connections between fixtures, tap joining biscuit in to one fixture, slide fixtures together, and secure using joining bracket and four screws.



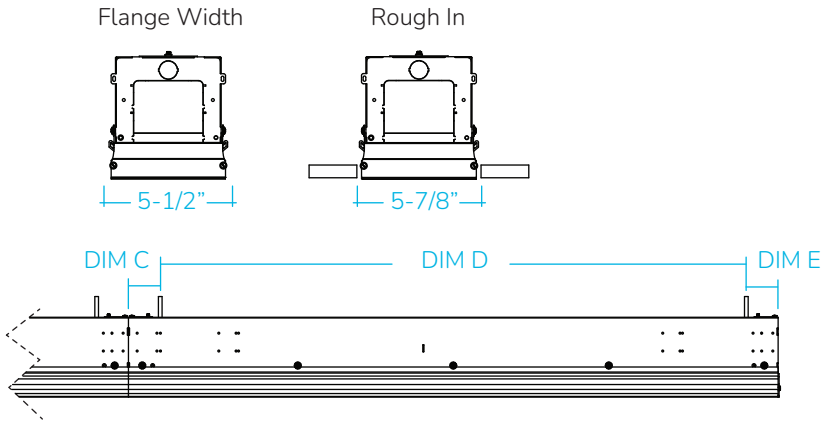
5 Finishing

Re-install reflector with matte black #8-32 screws. Carefully re-install lens (detail view on pg 24).



1 Layout + Dimensions

Rough in fixture opening and install 1/4” hardware (by others) according to tables to the right. Fixture length can be found on label inside fixture.

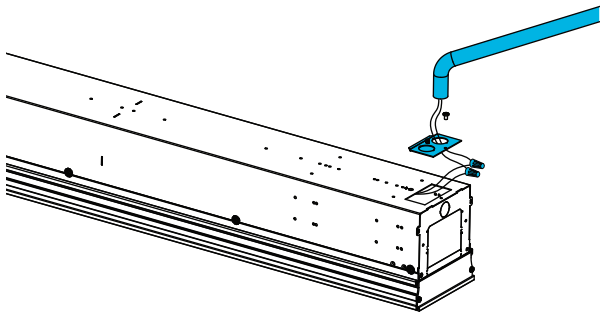


Threaded Rod Locations

Length	Dim “C”	Dim “D”	Dim “E”
23”	3/4”	21-1/2”	13/16”
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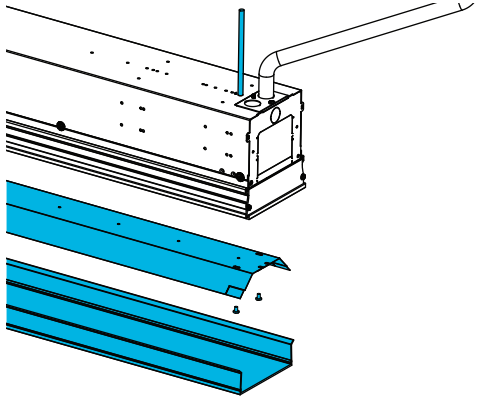
2 Power

Remove Access Plate via one screw. Make wiring connections to building power and replace Access Plate.



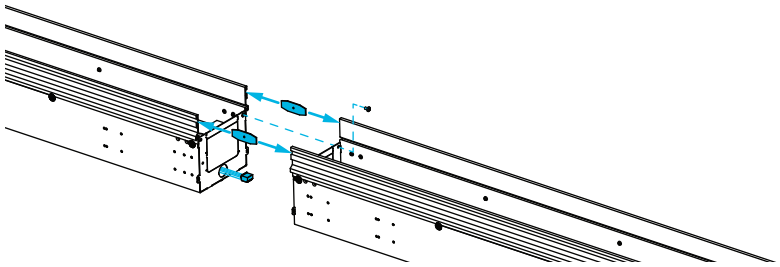
3 Individual Fixture

Carefully remove lens using a putty knife (detail view on pg 24). Remove reflectors via matte black #8-23 screws. Disconnect reflector wiring. Mount fixture through mounting slot to1/4” hardware (by others).



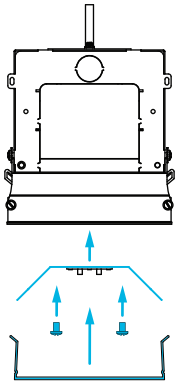
4 Joining Fixtures

Make wiring connections between fixtures, tap joining biscuit in to one fixture, slide fixtures together, and secure using joining bracket and four screws.



5 Finishing

Re-install reflector with matte black #8-32 screws. Carefully re-install lens (detail view on pg 24).

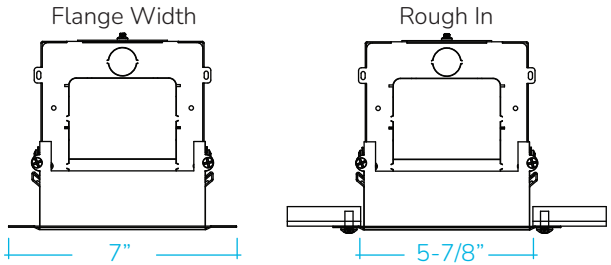


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Spackle Flange (SF) Installation

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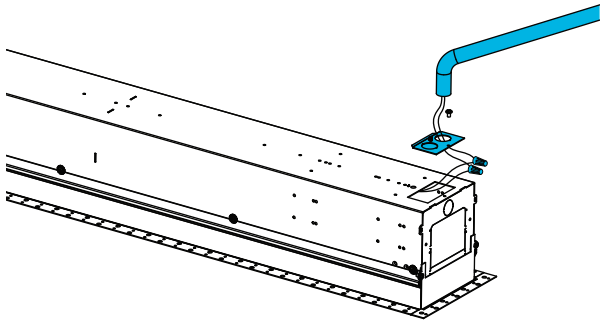
1 Dimensions + Layout

Rough in fixture opening and install blocking around fixture opening to support fixture. Fixture length can be found on label inside fixture. (Note: Do not screw in to side of housing. Do not remove cross brackets until fixture is installed.)
(Note: Rough-in for length is Row or Fixture Length + 3/8")



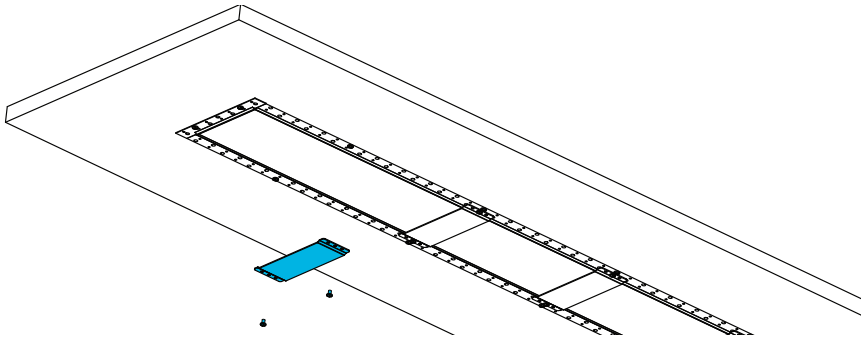
2 Power

Remove Access Plate via one screw. Make wiring connections to building power and replace Access Plate.



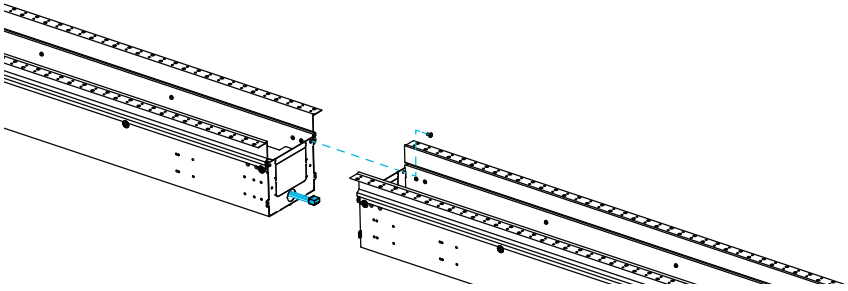
3 Individual Fixture

Mount fixture in rough-in opening using drywall screws placed every foot on both sides, along the length of the fixture/run and two on each end flange. Once mounted, remove cross brackets and discard. If individual fixture install lens.



4 Joining

Make wiring connections between fixtures, slide fixtures together, and secure using joining bracket and four screws. Once all fixtures in row are installed, install lenses (detail view on pg 24).

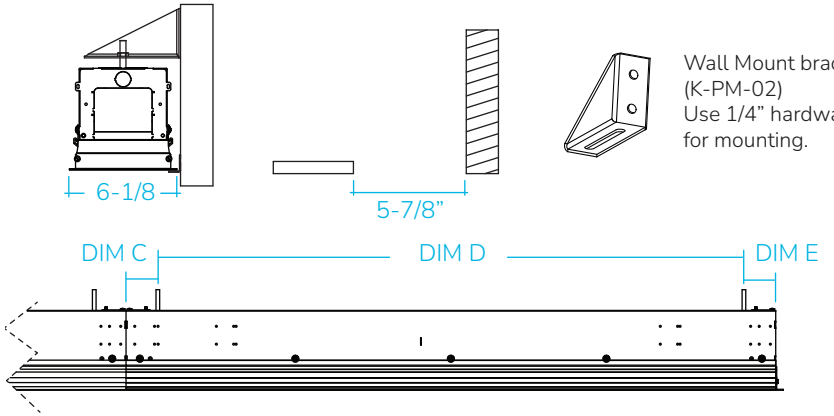


edge ev6
Perimeter Mount (PM) Installation

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1 Layout + Dimensions

Rough in fixture opening and install 1/4” hardware (by others) to according to tables to the right. Cut to legnth and install wall mount trim. Fixture length can be found on label inside fixture. (Note: Rough-in for length is Row or Fixture Length + 3/8”.)



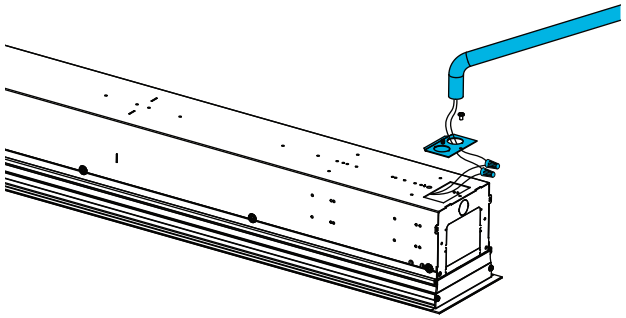
Wall Mount bracket (K-PM-02)
Use 1/4” hardware for mounting.

Threaded Rod Locations

Length	Dim “C”	Dim “D”	Dim “E”
23”	3/4”	21-1/2”	13/16”
24”	3/4”	22-1/2”	13/16”
35”	2-5/8”	29-3/4”	2-11/16”
36”	2-5/8”	30-3/4”	2-11/16”
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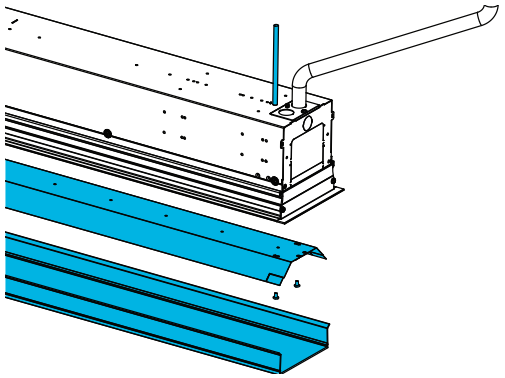
2 Power

Remove Access Plate via one screw. Make wiring connections to building power and replace Access Plate.



3 Individual Fixture

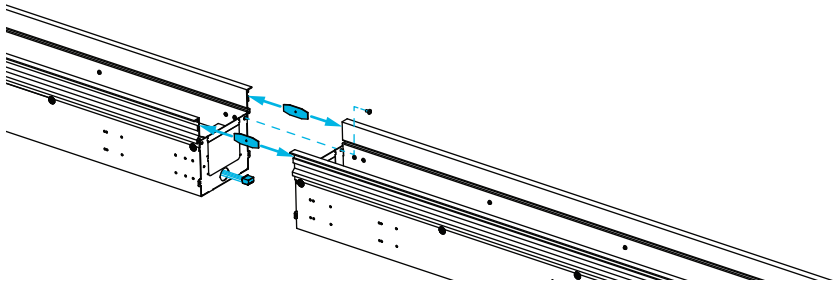
Carefully remove lens using putty knife (detail view on pg 24). Remove reflectors via matte black #8-23 screws. Disconnect reflector wiring. Mount fixture through mounting slot to 1/4” hardware (by others).



NOTE | Reference Instructions for Mounting type for specifics on fixture/ceiling interaction when using PM Bracket.

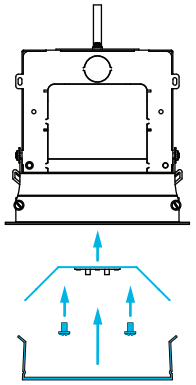
4 Joining Fixtures

Make wiring connections between fixtures, tap joining biscuit in to one fixture, slide fixtures together, and secure using joining bracket and four screws.



5 Finishing

Re-install reflector with matte black #8-32 screws. Carefully re-install lens (detail view on pg 11).

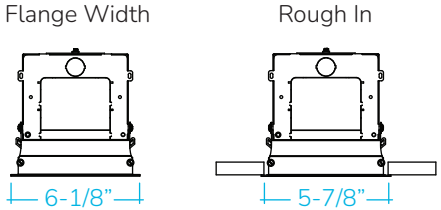


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Rotating Crossbar (RC) Installation

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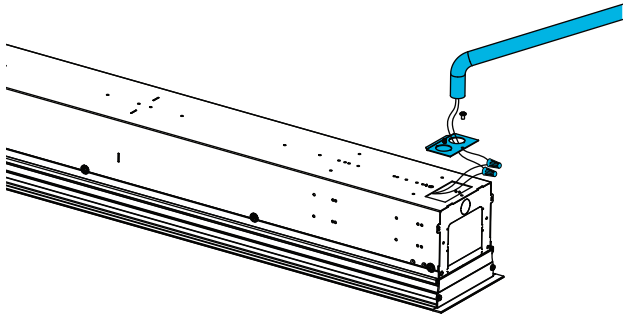
1 Layout + Dimensions

Rough in Fixture opening according to table. Fixture length can be found on fixture label inside fixture.



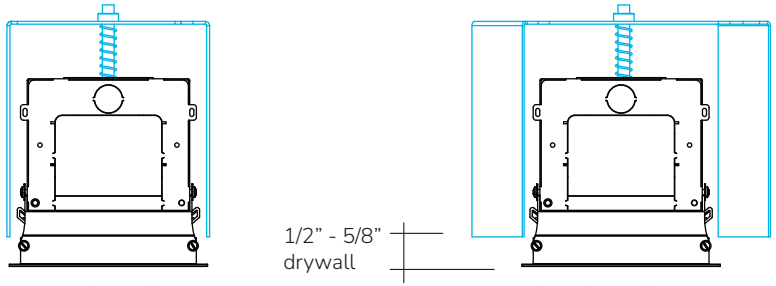
2 Power

Remove Access plate via one screw. Make wiring connections to building power and replace Access Plate.



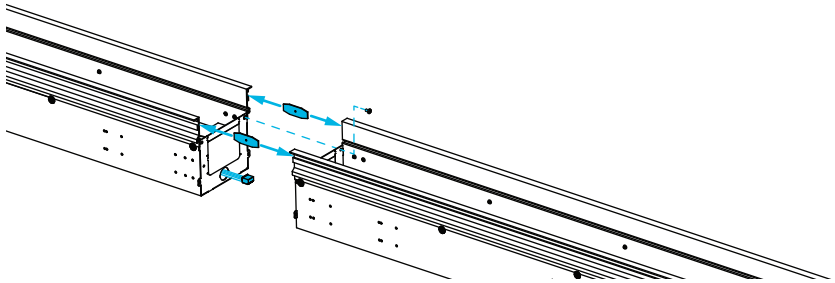
3 Individual Fixture

Carefully remove lens using putty knife. Remove reflectors via matte black #8-23 screws. Disconnect reflector wiring. Slide fixture into rough-in opening and rotate crossbar to lock in place using 1/4-20 screw inside fixture. If individual fixture replace reflector and lens (detail view on pg 24).



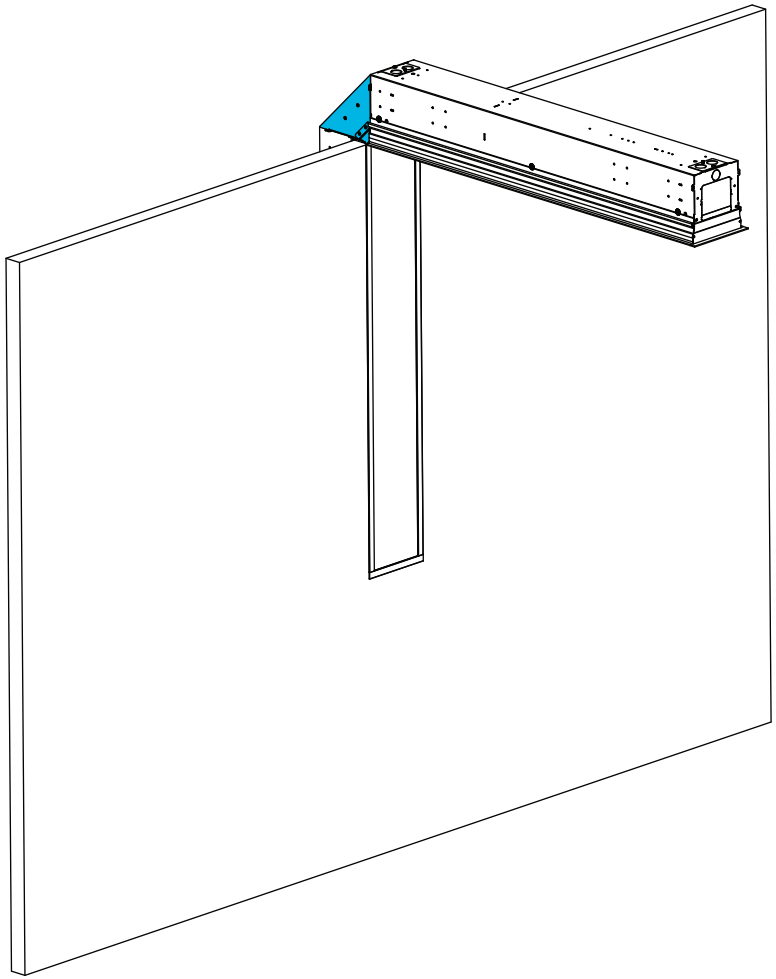
4 Joining

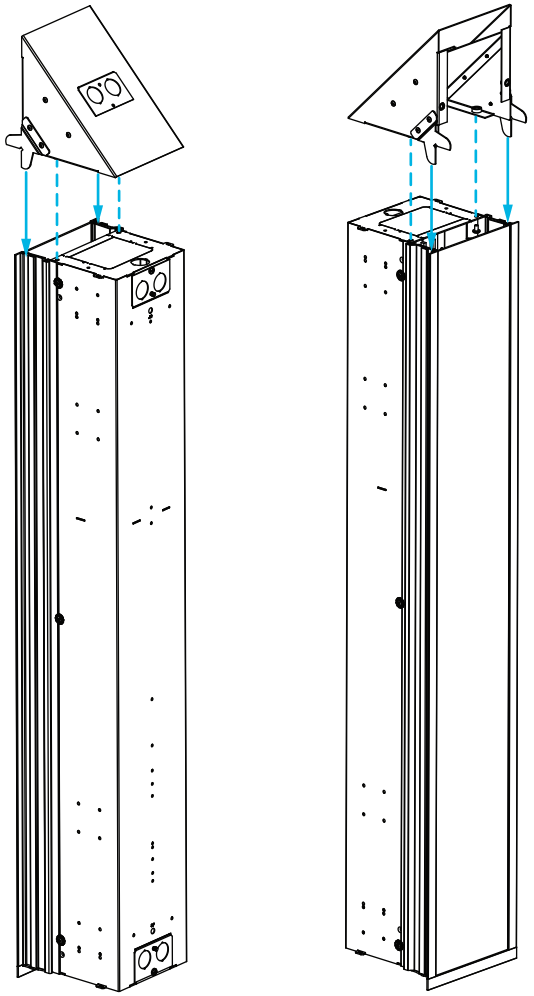
Make wiring connections between fixtures, tap joining biscuit in to one fixture, slide fixtures together, and secure using joining bracket and four screws. Once all fixtures in row are installed replace reflectors and lenses (detail view on pg 24).



1 Corner Piece

Fasten Corner housing to wall fixture. Route wires from wall fixture through corner housing. Install ceiling fixture wiring at corner.



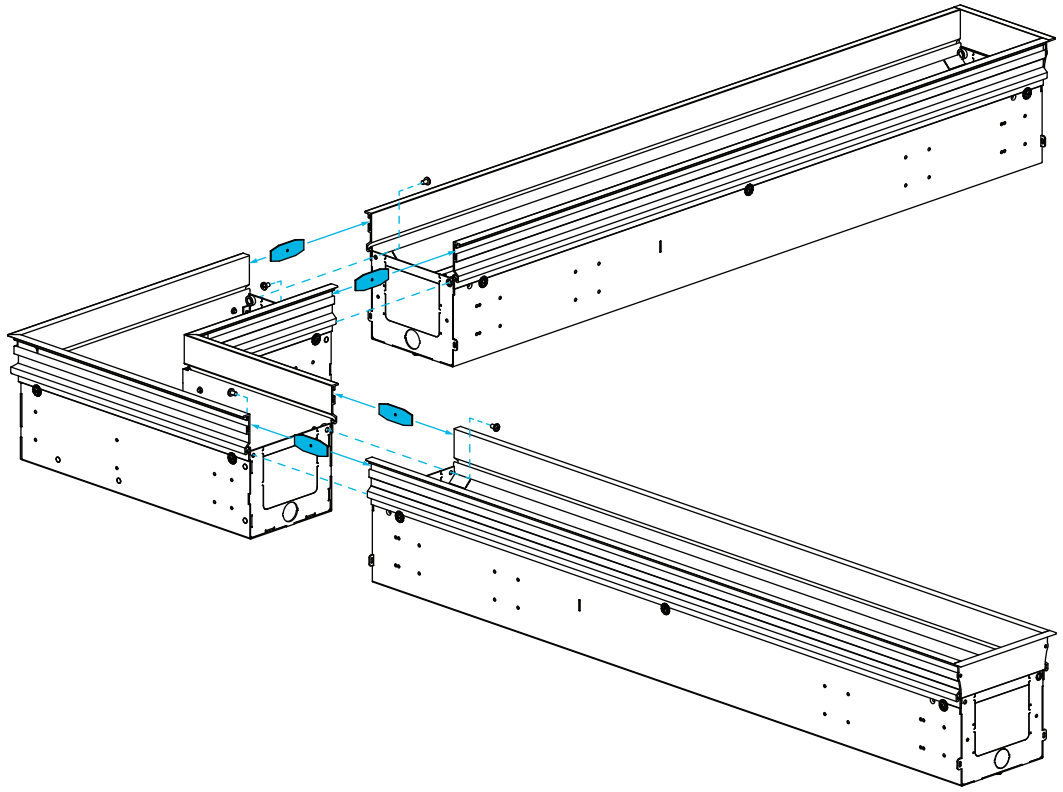


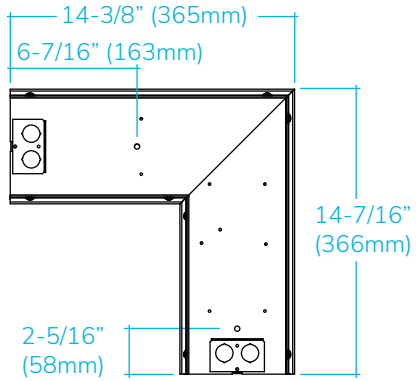
edge ev6
Horizontal Corner Installation

pinnacle architectural lighting

1 Corner Piece

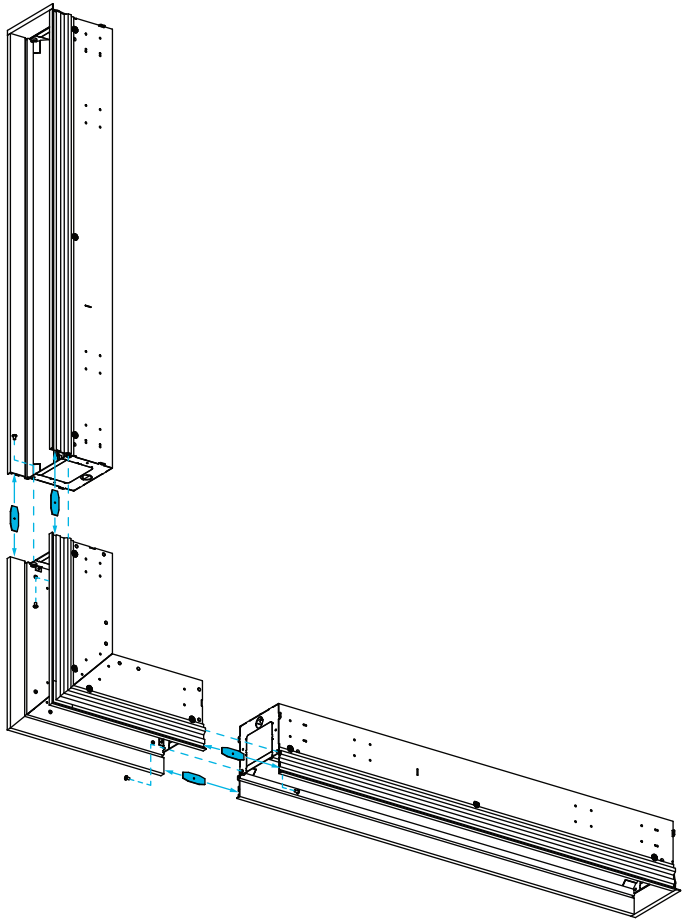
Lay out fixture and rough-in location. Fixture requires secondary mains, or blocking along the length of fixture, both sides. (Note: corners are 90°) Corners install same as fixture(s) and are required to be tied to structure. Remove knock out between fixtures and make necessary wiring connections. Align fixtures using supplied Joining Biscuits (2) and secure fixtures together using Joint Bracket and screws.

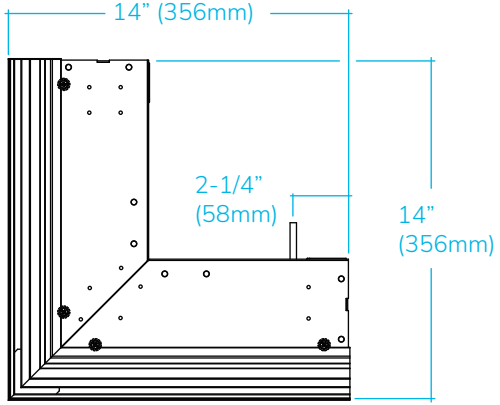




1 Corner Piece

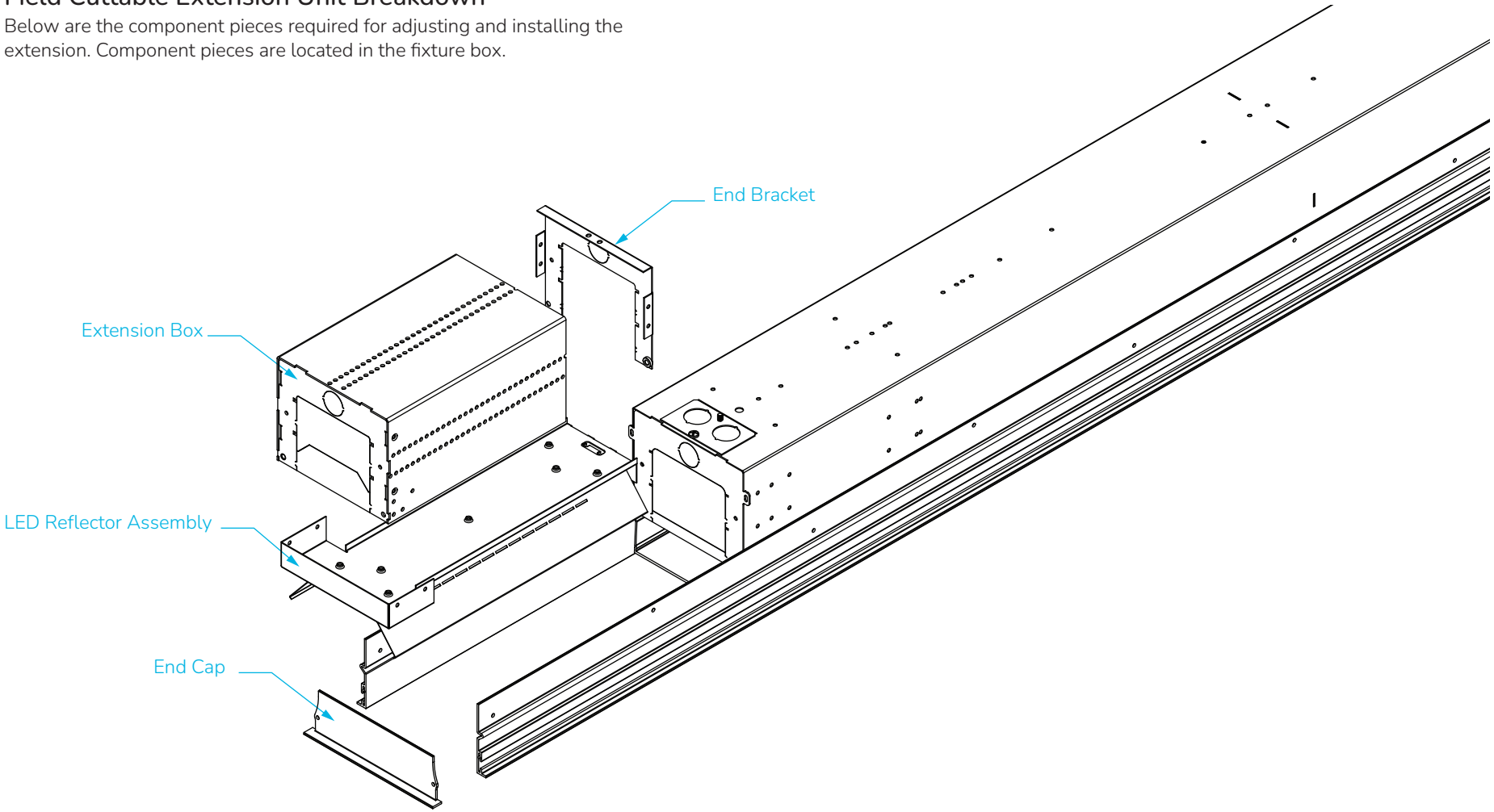
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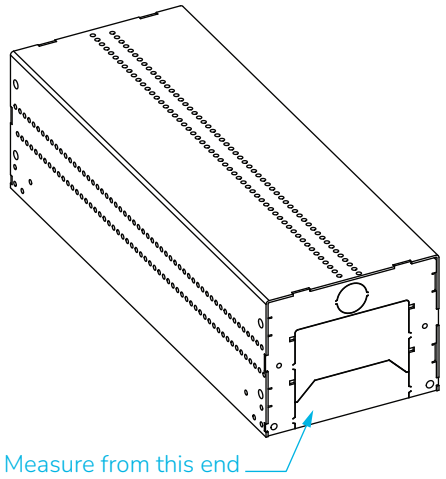
1 Field Cuttable Extension Unit Breakdown

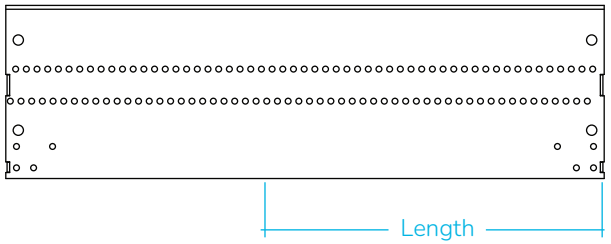
Below are the component pieces required for adjusting and installing the extension. Component pieces are located in the fixture box.



1 Extension Box Prep

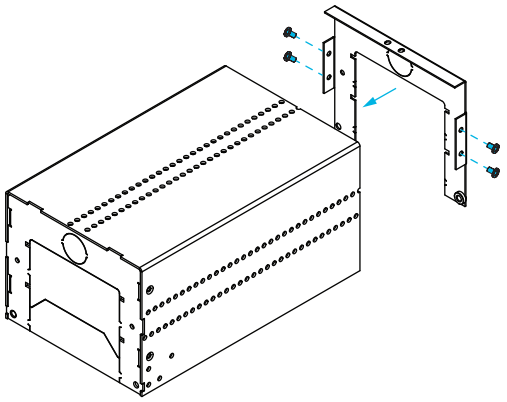
Measure the desired length of the final assembled fixture (Extension Box + Main Fixture). Measure the required length from the end of the extension box. Make sure to measure from the end that attached to the main fixture.





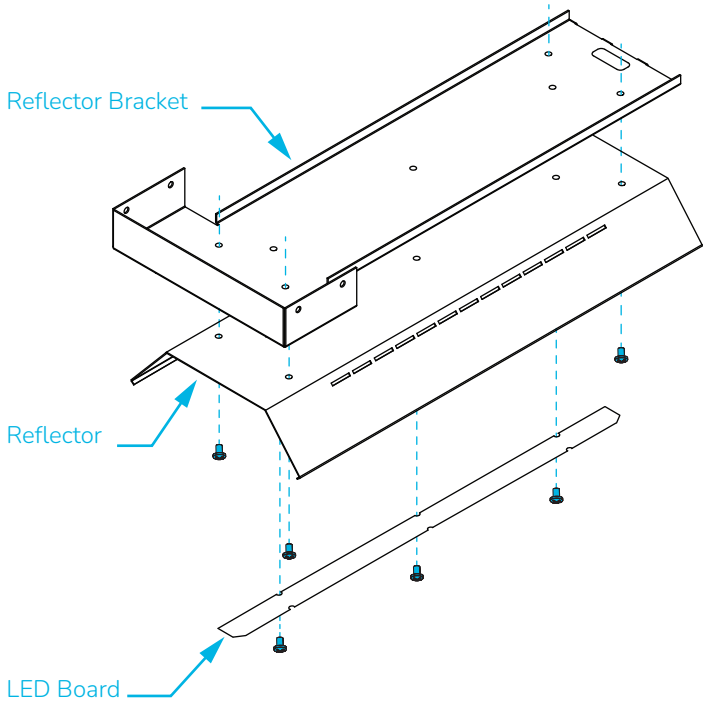
2 End Bracket Setup

After cutting the extension box, locate end bracket. Attach end bracket to the open end of the extension box via 4 screws on side. This side will be what connects to the main fixture.



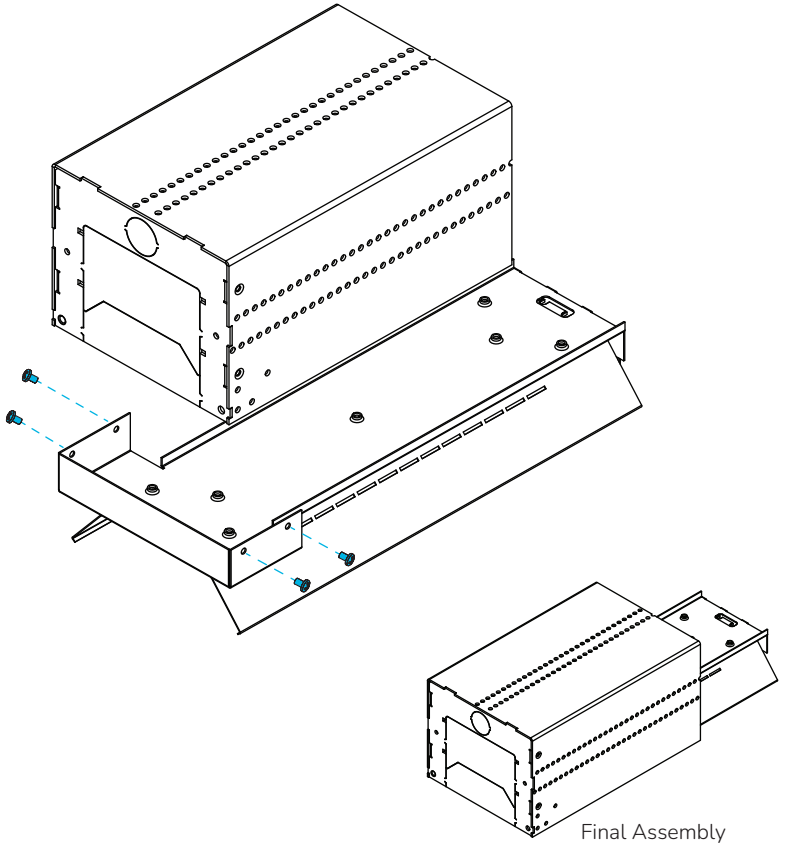
1 Extension Box Assembly

The LED assembly is made up of 3 parts. The LED board, the reflector, and the bracket. All three are connected using screws. 4 screws in the corners of the reflector secure the reflector to the bracket. And 3 screws in the center of the reflector secure the LED board to the reflector.



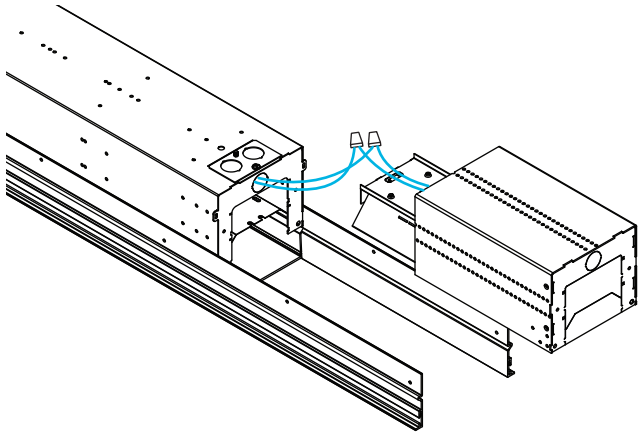
2 LED Extension Installation

Install the LED 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 exention box will sit “above”, when viewing from a room side, the main fixture’s LED board.)

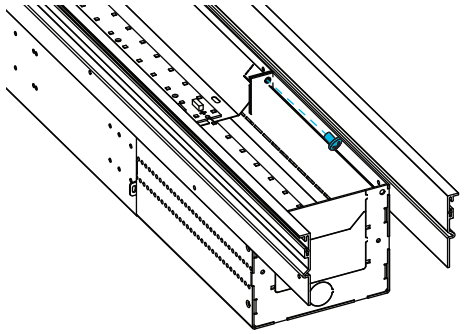


1 Extension Box Installation

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 housing and extension together using two screws one for each side of the bracket.

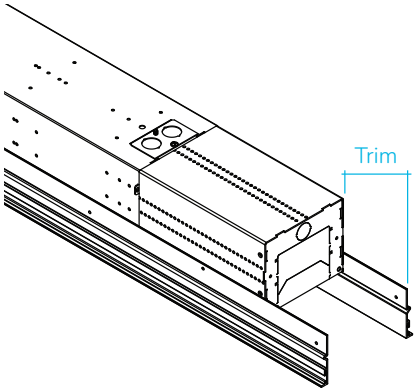


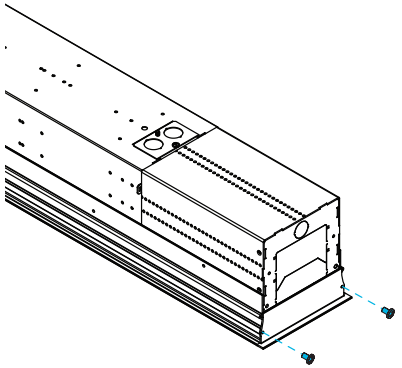
Joint Detail



2 Rail Trimming

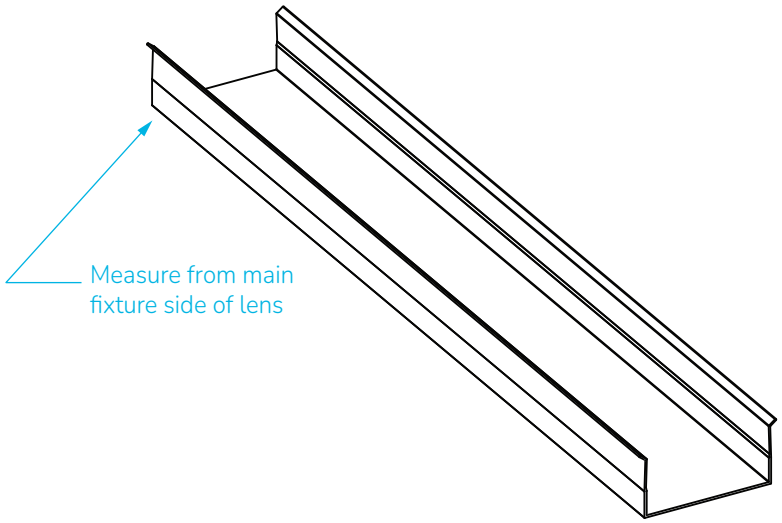
Finish securing of extension to housing with two (2) additions screws, one for each side of the fixture. Once extension is full secured to main fixture trim the excess rails to be flush with end of extension. Once rails and extension box are flush install end cap with 2 screws to finish housing.





1 Trim Lens + 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”)

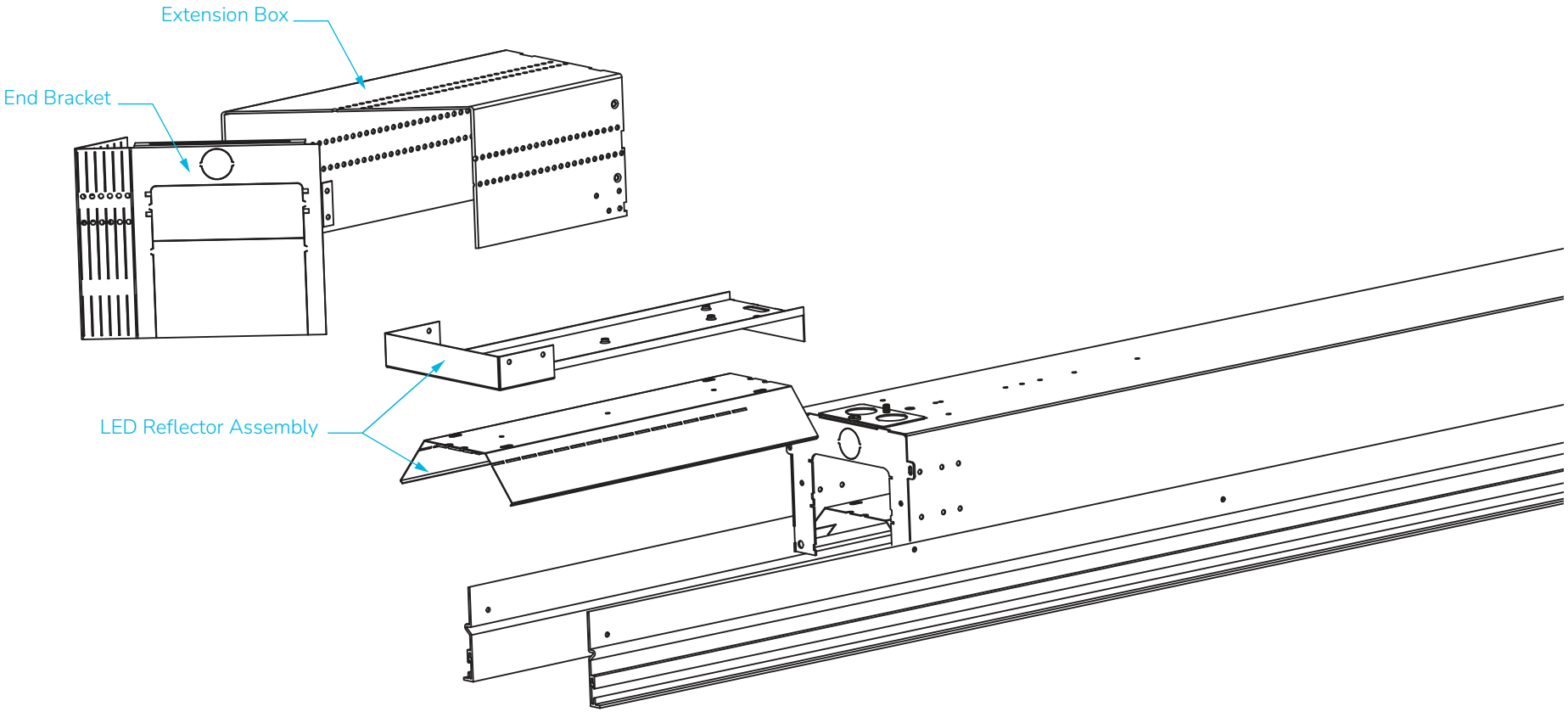




DISCLAIMER | A carbide tipped saw blade for aluminum is recomended for cutted the extension box. An AGE MD12-962 Industrial Carbide tipped plastic saw blade is recommended for cutting the lens.

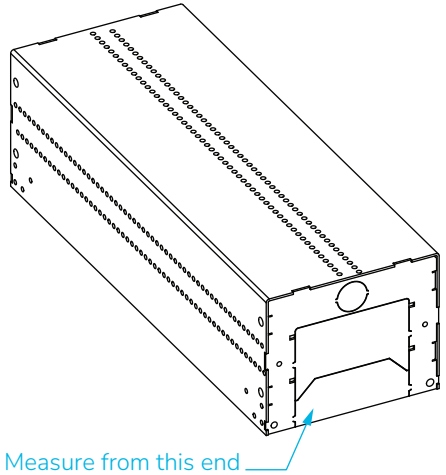
1 Field Cuttable Extension Unit Breakdown

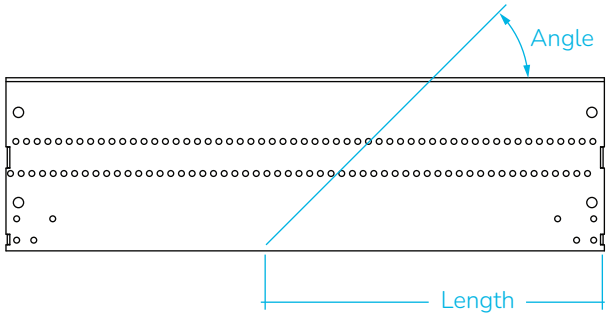
Below are the component pieces required for adjusting and installing the extension. Component pieces are located in the fixture box.



1 Extension Box Prep

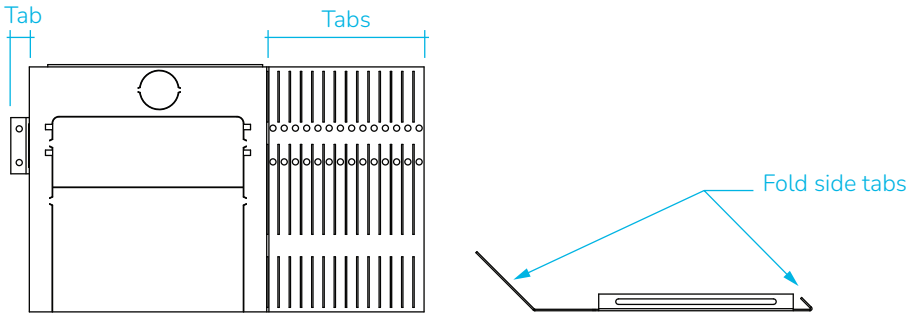
Measure the desired length and angle of the final assembled fixture (Extension Box + Main Fixture). Measure the required length from the end of the extension box. Make sure to measure from the end that attached to the main fixture.





2 End Bracket Setup

After cutting the extension box, locate end bracket. Fold the end brackets'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.

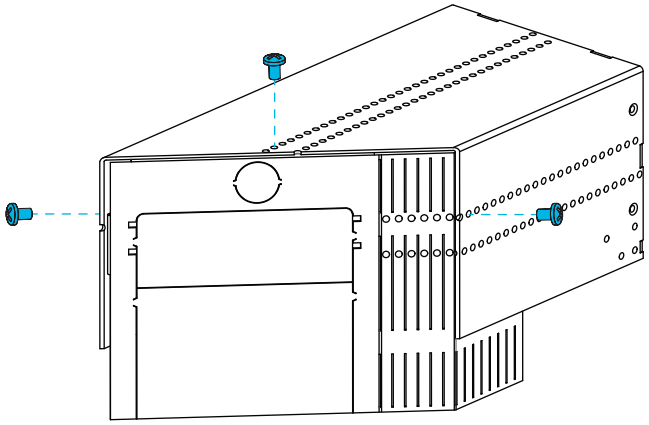


edge ev6
Angled Field Cut Illuminated Extension

pinnacle architectural lighting

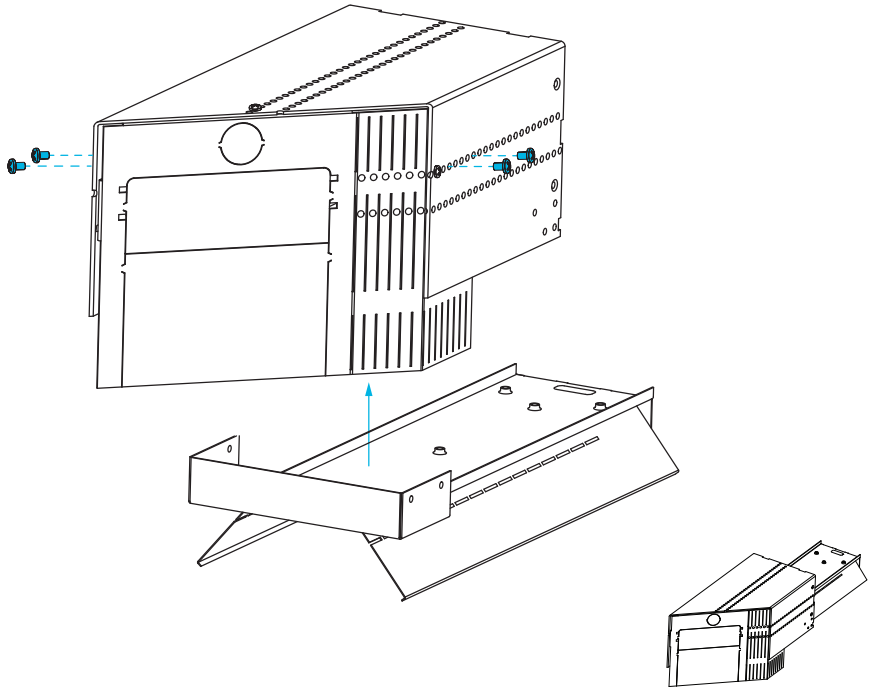
1 Extension Box Assembly

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.



2 LED Extension Installation

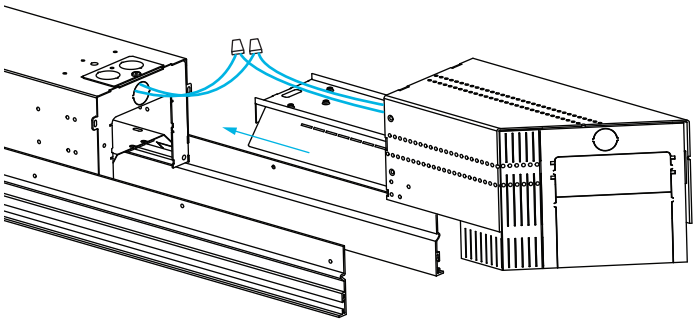
Install the LED board and reflector assembly as shown below using (4) screws/ rivets from the kit. Secure the parts in the top row of holes when viewing from a room view perspective. (note: the LED board in the exention box will sit “above”, when viewing from a room side, the main fixture’s LED board.)



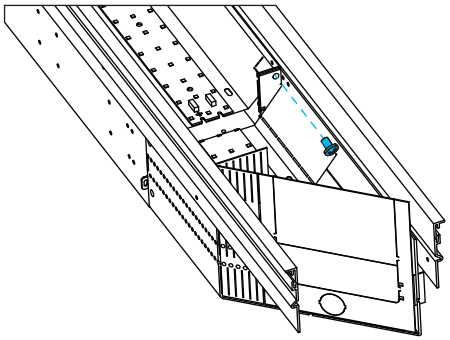
edge ev6
Angled Field Cut Illuminated Extension

1 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 housing and extension together using two screws one for each side of the bracket.

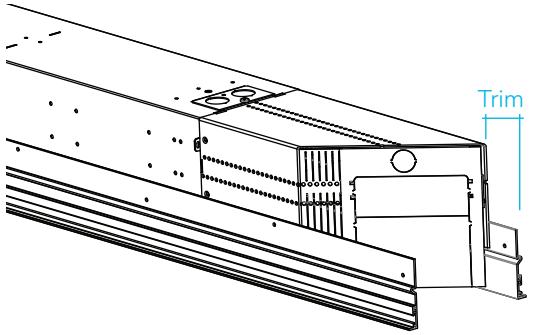


Joint Detail



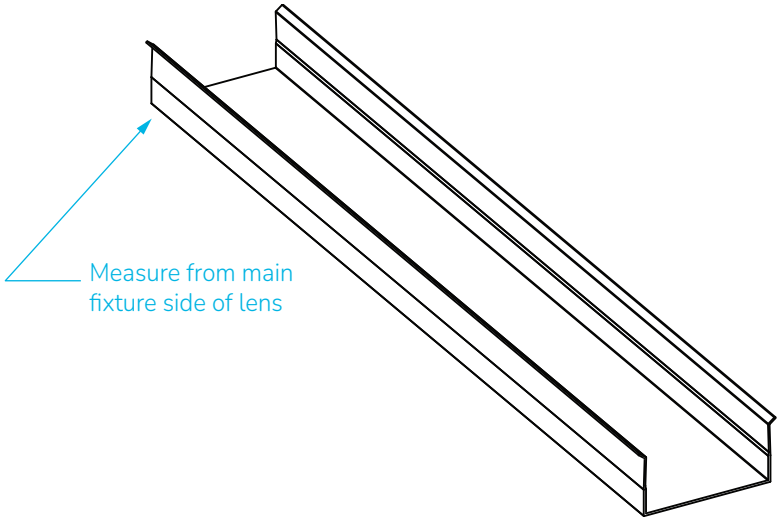
2 Rail Trimming

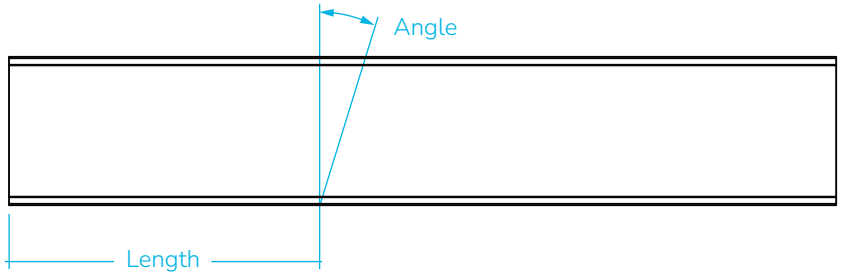
Once extension is installed to main fixture trim the excess rails to be flush with end of extension.



1 Trim Lens + Install

Select and measure the desired lens length and angle. 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”)



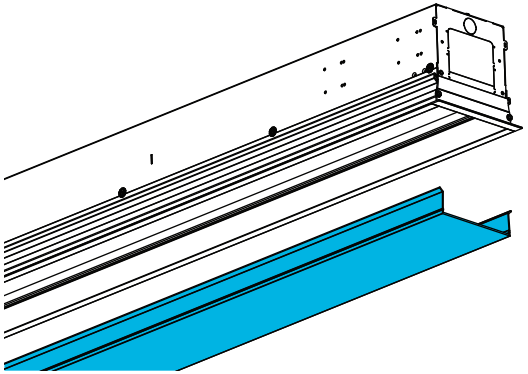


DISCLAIMER | A carbide tipped saw blade for aluminum is recomended for cutted the extension box. An AGE MD12-962 Industrial Carbide tipped plastic saw blade is recommended for cutting the lens.

edge ev6 Lens Detail

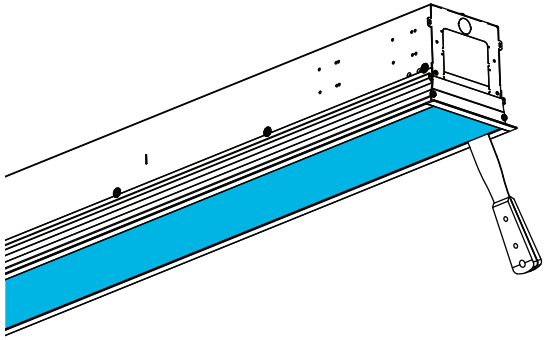
1 Lens Installation

Beginning at one end, squeeze lens legs and slide into fixture. Slowly insert rest of lens down the length of the fixture, snapping into place. At fixture end, use putty knife to hold light diffuser in place while snapping lens in.



2 Lens Removal

Insert a putty knife into the edge between the lens and the fixture side about one inch from end. Gently pry lens away from fixture, using caution not to damage light diffuser at fixture end.



NOTE | Low temperatures can effect the lens material making it brittle. Please allow the lenses to warm to room temperature before installation.