

EDGE Techx 6 INSTALLATION INSTRUCTIONS

TechZone Ceiling Installation
Straight Field Cut Illuminated Extensions
Angled Field Cut Illuminated Extensions
Lens Detail



EDGE Techx 6

TECH ZONE CEILING INSTALLATION







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.



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.

PINNACLE ARCHITECTURAL LIGHTING ⁸	 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 conductors All electrical connections must be performed by a certified electrician to applicable local and national electrical codes. Fixtures must be mounted directly to structure. 			
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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).

Fixture

Step 4:

Finishing

1. Install lamps.

2. Install lens or louver.

3. Secure fixture to grid through all Grid Brackets.

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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).

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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Row Configuration Chart

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STRAIGHT

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.





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.





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.





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.





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")

Measure from main fixture side of lens



DISCLAIMERS

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. 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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EXTENSION

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FIELD CUTABLE EXTENSION UNIT BREAKDOWN

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



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EXTENSION BOX PREP

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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.



Length

END BRACKET SETUP 2

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.





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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.)





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.



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

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EXTENSION INSTALLATION



TRIM LENS AND 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")

Measure from main fixture side of lens



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Lens Installation

Begin at one end of the lens and squeeze sides to allow it to flex.
 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

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.
 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.

