

WEB PIN™ CODES: 418, 469, 480, 486

- 1: These instructions may not cover all details or variations. For additional information contact Beta-Calco.
- 2: Luminaires must be installed in accordance with national electrical code and local regulation.
- 3: Disconnect the power before installing the fixture or servicing.
- 4: Min 90°C supply conductors.

HOUSING INSTALLATION STEPS:

(For fixtures longer than 72" the housing ships in multiple parts. Continuous runs do not connect electrically. Each module requires a power supply.)

1.1 - If applicable, assemble the recessed housing modules together using the supplied 10-32 screws and make wiring connections between the modules (Fig. 1 and 2).

1.2 - The fixture must be structurally supported. Use the butterfly brackets to secure the housing to the building structure. The butterfly brackets accept various types of rails (rails by others).

1.3 - To adjust the butterfly brackets position, loosen nuts, adjust the bracket height and re-tighten the nuts or move bracket to another set of holes. The cut out patterns on both sides of the housing allow for a variety of positions to be selected.

1.4 - The brackets with 0.5" diameter hole at the ends of the fixture can be used for additional support via threaded rods or similar (by others).

1.5 - Alternately, use the holes in the top corners of the housing for extra support (Fig. 3).

1.6 - Ensure that the bottom surface of the housing is positioned such that it will sit snugly on top of the ceiling material (Fig. 4).

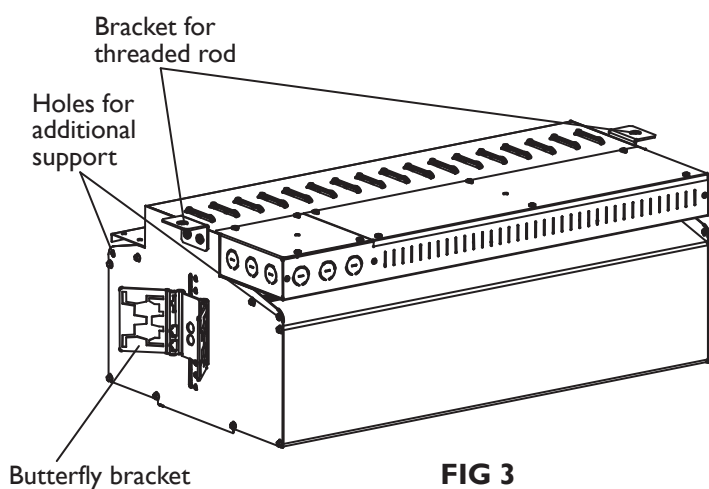


FIG 3

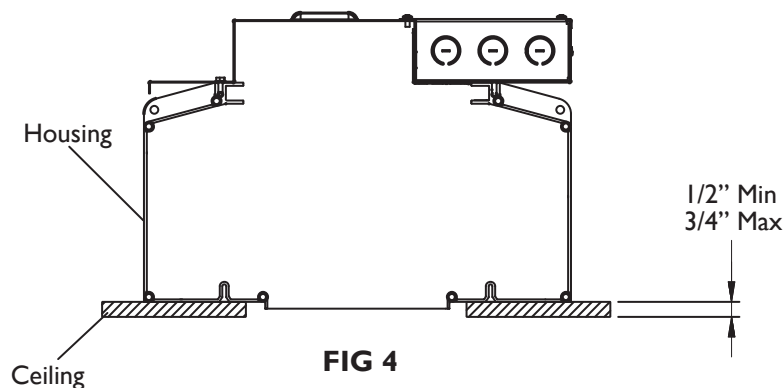
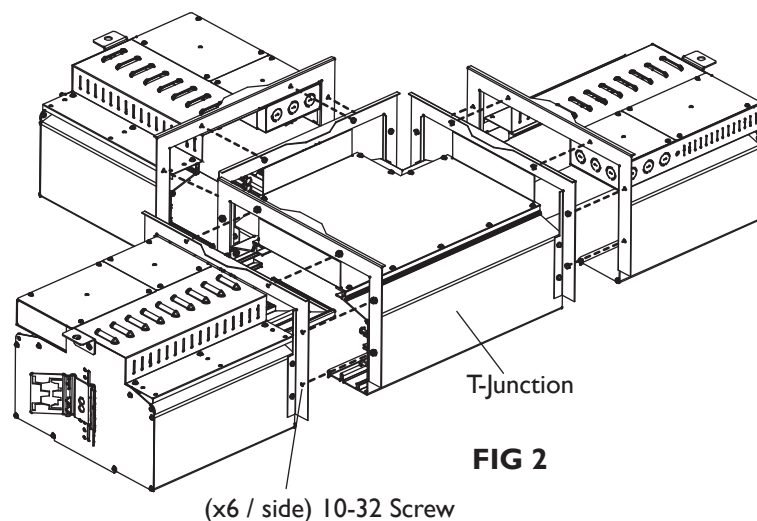
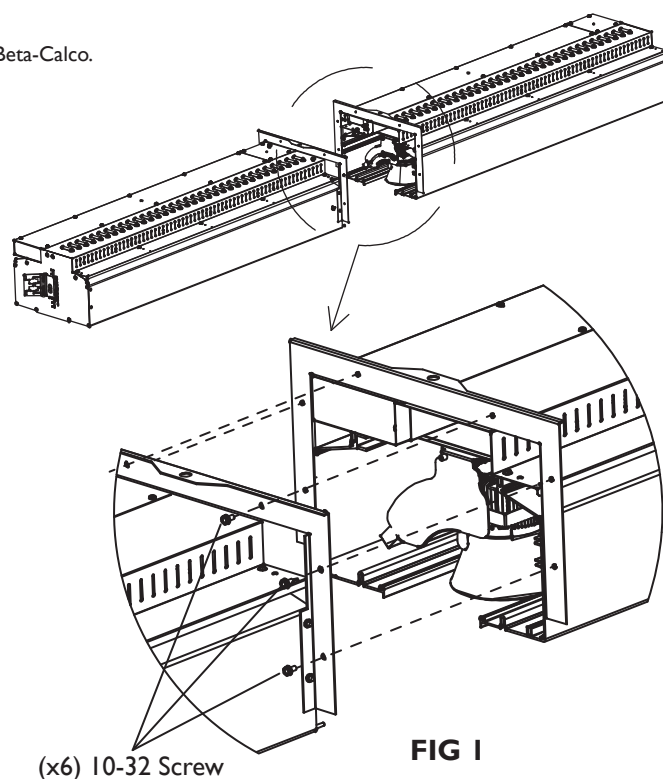


FIG 4

FIXTURE DESCRIPTION:

RAIL-LITE™ Continuous trim & trimless, standard trim & trimless
BETA-CALCO INC. 25 Kodiak Crescent, Toronto, Ontario, M3J 3E5, Canada

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ELECTRICAL CONNECTIONS:



WARNING: Electrical shock hazard. Ensure the mains voltage supply is turned OFF before making any connections. Do not turn the mains power supply back on until the wiring box of the recessed housing is closed.



Make all necessary electrical connections according to all relevant electrical codes.

2.1 - Remove the wiring box cover by removing 4 screws. (Fig. 5).

2.2 - Remove the appropriate round knock-out(s) to allow for any necessary conduit to be attached.

2.3 - Connect power supply, and if applicable, dimming control wires to the terminal blocks according to the terminal block labeling.

2.4 - Replace the wiring box cover.

MAINTENANCE:



WARNING: Electrical shock hazard. Ensure the mains voltage supply is turned OFF before performing any maintenance. Do not turn the mains power supply back on until all access covers and brackets are closed.



2.5 - Driver maintenance / replacement can be performed from below the ceiling by removing the 2 screws securing the relevant driver bracket, and removing it from the recessed housing (Fig. 6).

2.6 - Line wiring connections can be accessed from below the ceiling by removing the 2 screws securing the wiring box cover, and removing it from the recessed housing (Fig. 6).

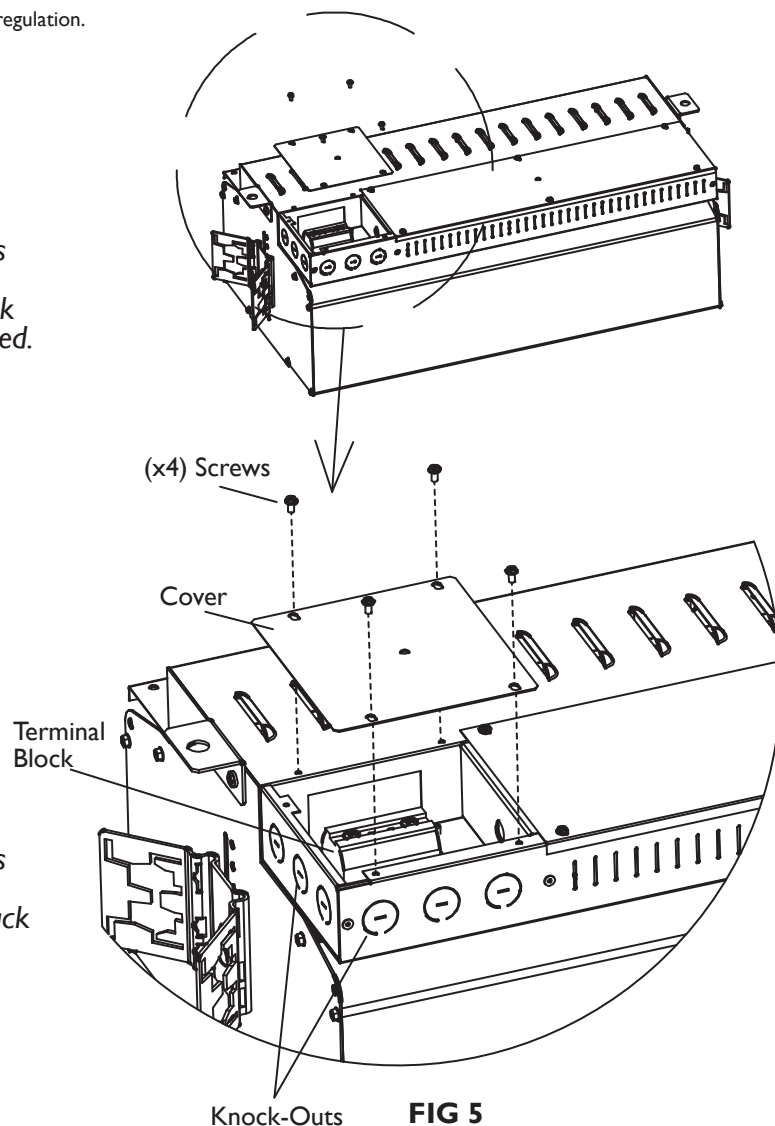


FIG 5

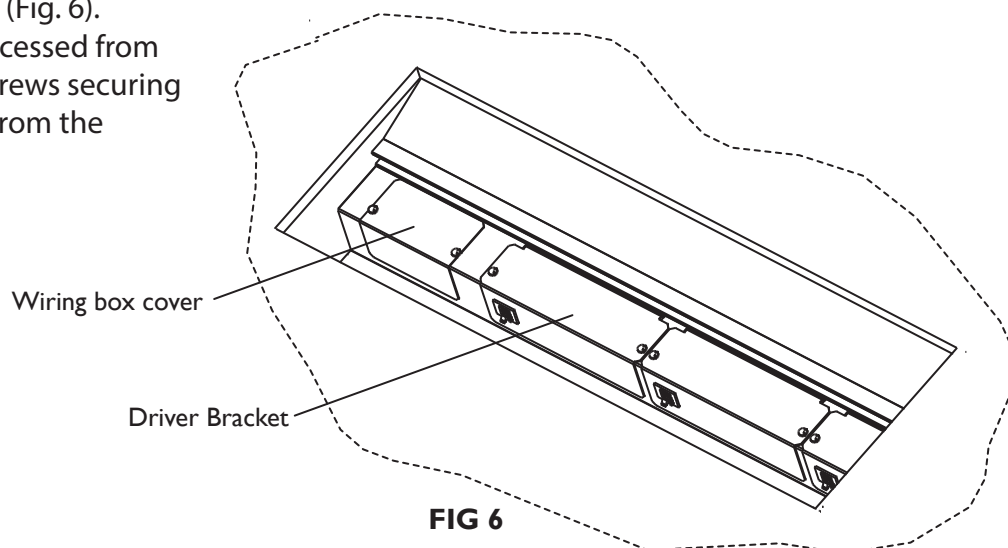


FIG 6

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CEILING CUTOUT:

3.1 - Using Table I and Fig. 7 for reference, cut the opening in the ceiling material (NOTE: Fixture can be installed into ceiling with a thickness range of 1/2" to 3/4").

3.2 - Install the ceiling material, ensure that the bottom surface of the recessed housing is sitting snugly on top of the ceiling material (Fig. 4, Page 1).

TABLE I

	APERTURE WIDTH												
	5W	6W	9W										
$X_{(in)}$	BEZEL TRIM	6.5	8.0	10.5									
	TRIMLESS	7.1	8.6	11.1									
	FIXTURE LENGTH												
	12"	18"	24"	36"	48"	60"	72"	96"	144"	CONTINUOUS			
$Y_{(in)}$	BEZEL TRIM	13.5	19.5	24.75	36.75	48.75	60.75	72.75	96.75		OAL + 0.65"		
	TRIMLESS	14.1	20.1	25.30	37.30	49.30	61.30	73.30	97.30	145.3	OAL + 1.23"		

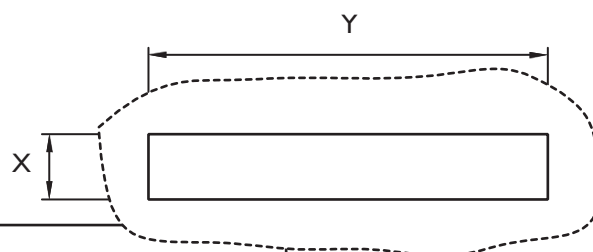


FIG 7

BEZEL TRIM INSTALLATION:

3.3 - Lift the bezel trim into the ceiling cutout (Fig. 8) and secure it by pushing it onto the plastic clips located on the recessed housing until the bezel trim is flush with the ceiling (Fig. 9, Fig. 10). Make sure the plastic clips are evenly spaced along the side of the ceiling cutout. For fixtures where portions of the bezel trim connect to each other, ensure that the plastic clip is positioned such that the connecting line of the bezel trim is in the centre of the plastic clip.

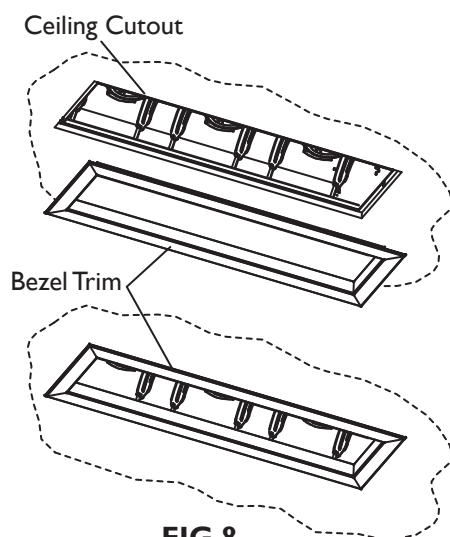


FIG 8

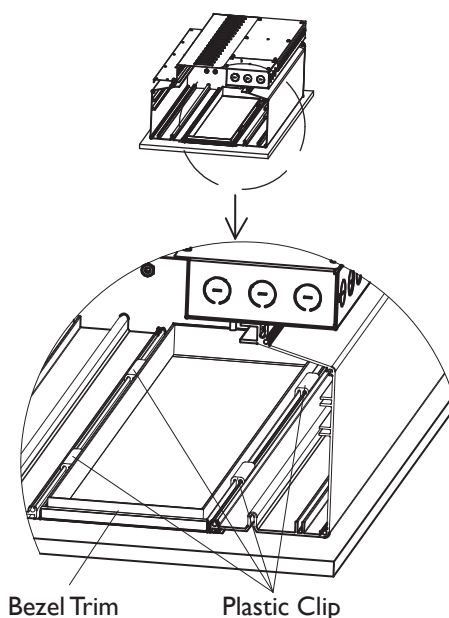


FIG 9

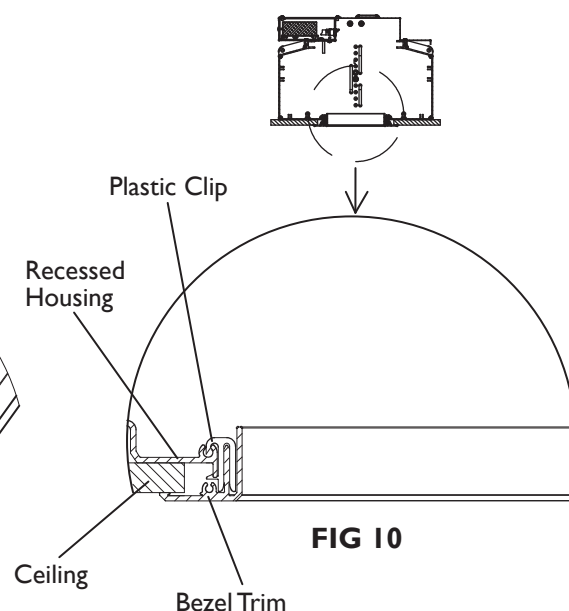


FIG 10

FIXTURE DESCRIPTION:

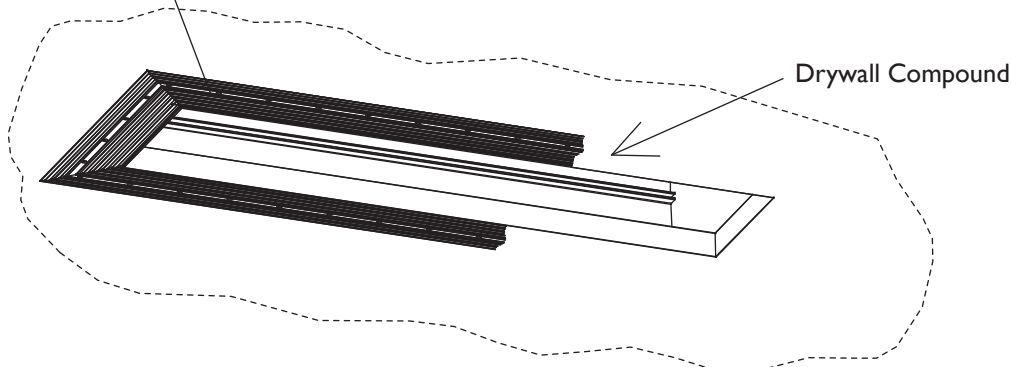
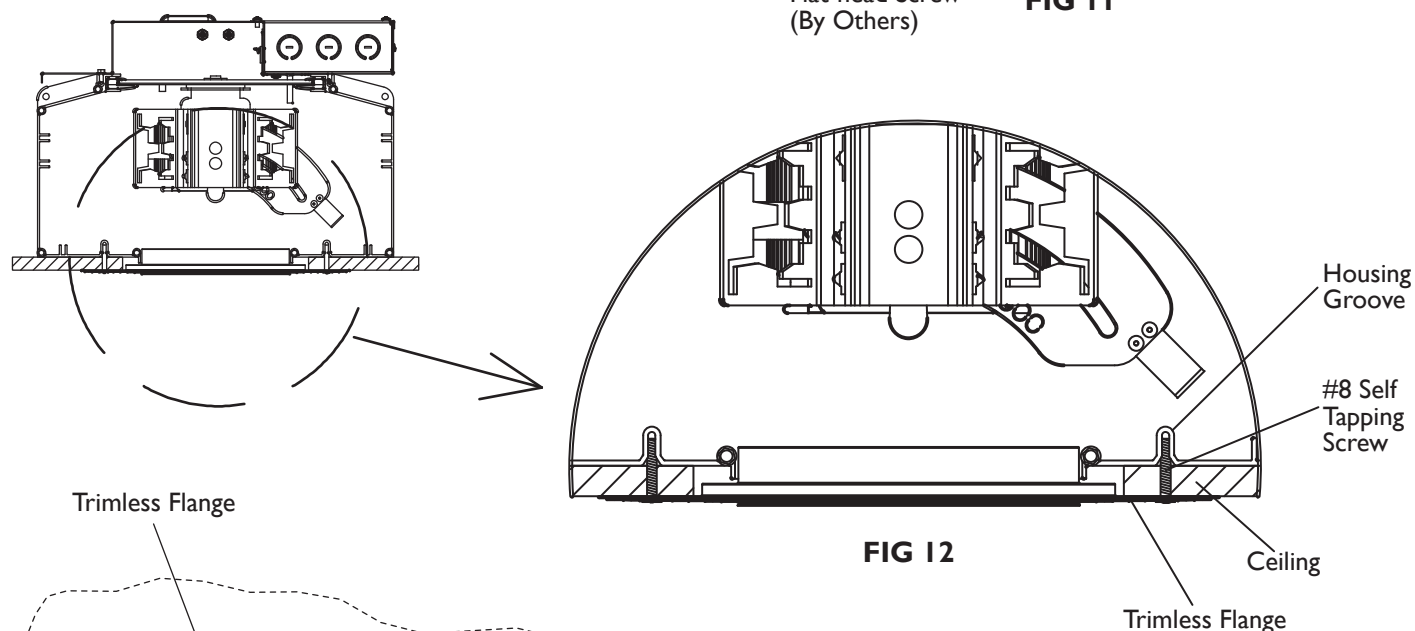
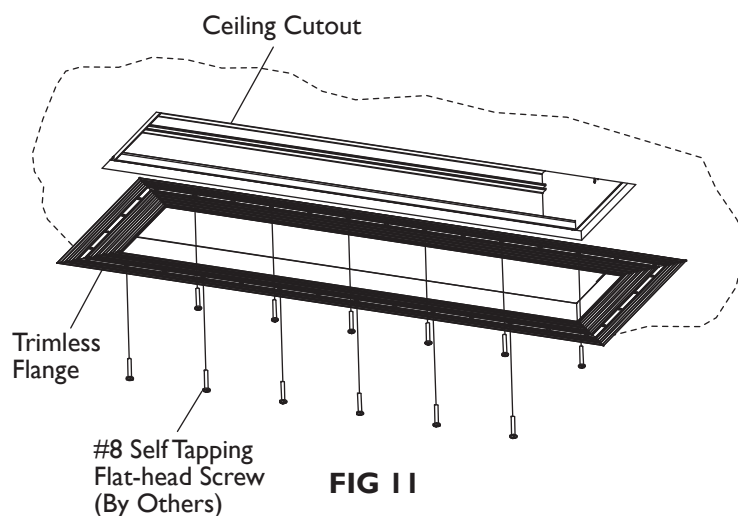
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TRIMLESS FLANGE INSTALLATION:

- 4.1 - Lift the trimless flange into the ceiling cutout and fasten it to the ceiling using #8 flat-head self tapping screws (not included) (Fig. 11). Make sure the screw length is enough to secure to the housing groove (Fig. 12). To determine screw length add 0.5" to the ceiling thickness. For fixtures 96", 144" and continuous run length, ensure no gap between portions of the trimless flange.
- 4.2 - Apply drywall compound over the trimless flange. Feather the compound out at least 12in from the edge of the fixture aperture (Fig. 13).



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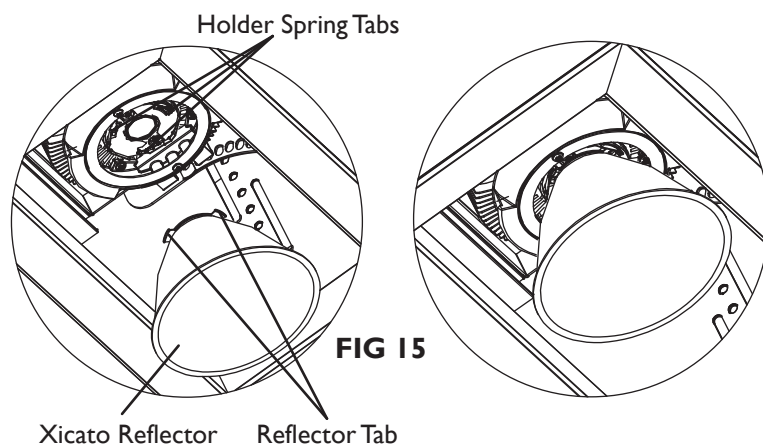
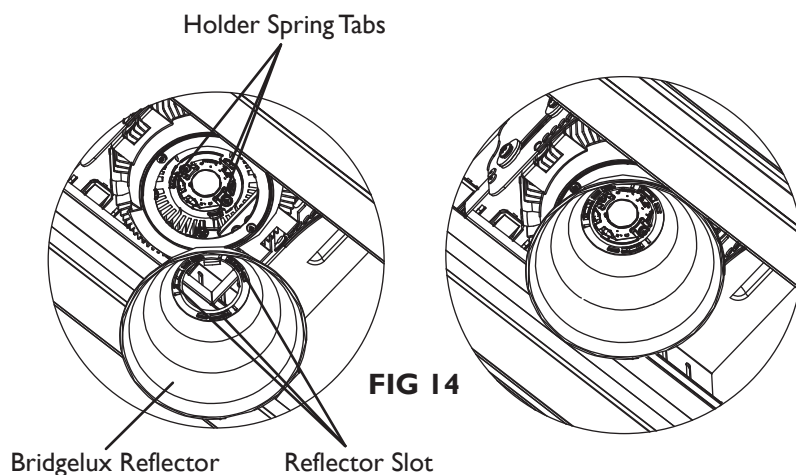
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REFLECTOR INSTALLATION:

5.1 - For Bridgelux reflectors, insert spring tabs into the slots on the reflector and gently rotate the reflector clockwise to secure it onto the holder (Fig. 14). Ensure that all 3 spring tabs are inserted into the reflector slots.

5.2 - For Xicato reflector, position the tabs on the reflector close to the spring tabs on the holder and gently rotate the reflector clockwise to secure it onto the holder (Fig. 15). Ensure that all 3 reflector tabs are inserted into the spring tabs of the holder.



HEAD AIMING INSTRUCTIONS:

5.3 - Aim the head as required by holding the cam handles and pushing the downlight head to tilt it from 0° to 45° in 5° intervals. The head can also be rotated 360°, and slid a maximum of 24" left or right of its center point. No tools are required for aiming (Fig. 16).

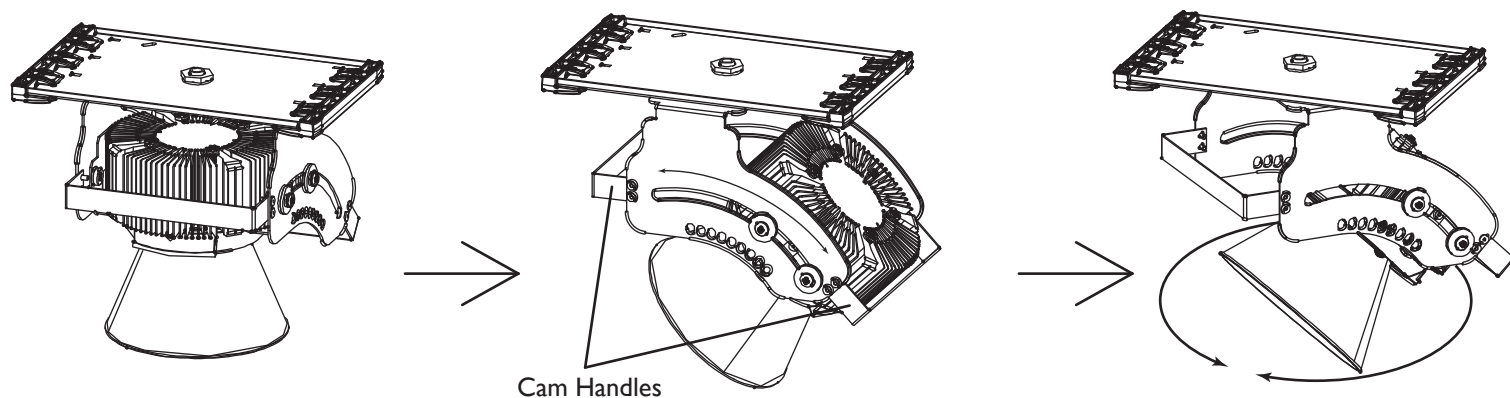


FIG 16

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