

Installation Instructions

Luminaires must be installed by a qualified electrician. Check with local and national codes for proper installation.



Never connect a live fixture!!!

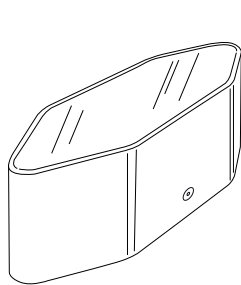
To prevent electrical shock disconnect electrical supply before installation or servicing.

Never connect a fixture to a live driver!!!

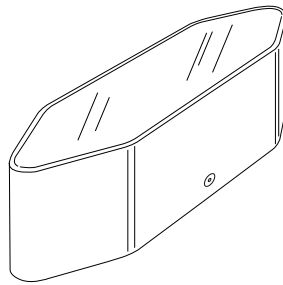
Contractor is responsible for adequately reinforcing walls and/or ceilings to support fixture weight. Provide blocking when necessary.

The following instructions apply to both sizes of Luminaires

Indoors/Outdoors
Surface/Recessed



Small
6.5"(166mm)L



Large
8.6"(220mm)L

Step 2**A** Surface Installation (Ceiling or Floor)
Page 1

Step 2**B** Recessed Uplight Installation in New
Poured Concrete Surface **Page 4**

Step 2**C** Recessed Downlight Installation in
Existing Concrete Ceiling **Page 8**

Step 2**D** Recessed Downlight Installation in
New Poured Concrete Ceiling **Page 9**

Step 2**E** Recessed Downlight Installation in
Existing Drywall Ceiling **Page 11**

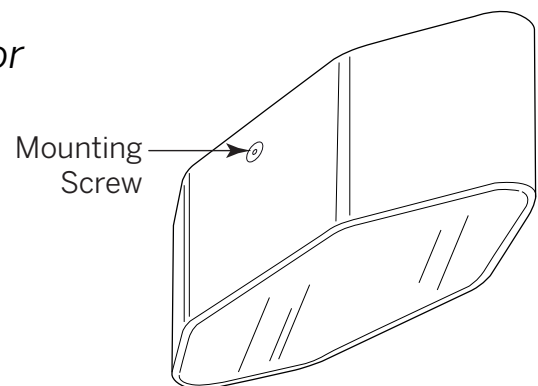
Full Size Templates for Curved or Circular
Layouts **Page 14**

Step 1 - **Open the Box**

Unpack Luminaire unit(s). The Skin Frosted Luminaires may be installed directly on a surface using an integrated Stainless Steel Bracket or recessed using an ABS enclosure (purchased separately).

Step 2**A** - **Surface Installation** on Ceiling or Floor

- a** Loosen screws on either side of Fixture to release Mounting Bracket using 3mm Hex Key. Set screws aside.

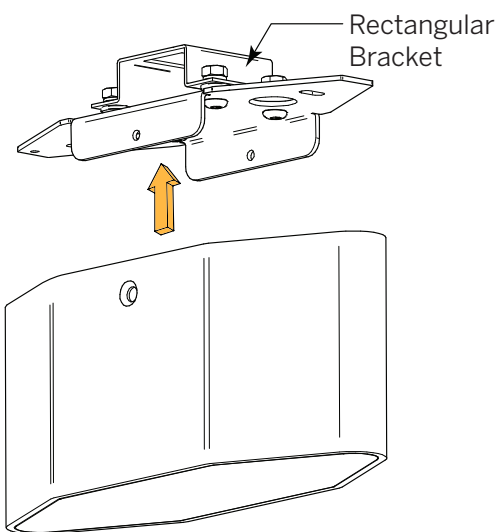


Need
Help?

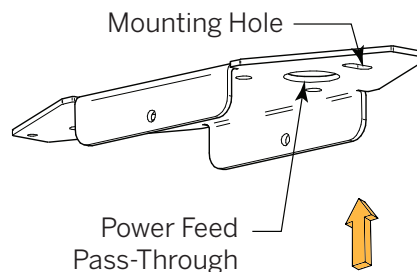
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Step 2A - *Surface Installation* on Ceiling or Floor (continued)

- b** Remove Mounting Bracket. Then remove Rectangular Bracket on bottom and all nuts, bolts, and washers.*

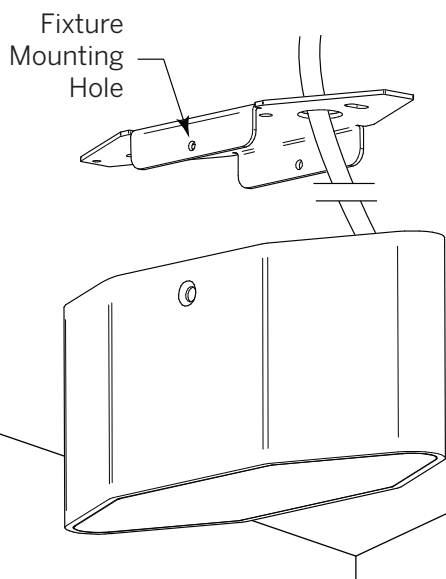


- c** Place Mounting Bracket on surface (Ceiling or Floor). Mark and drill for Power Feed Pass-Through to Remote Driver.

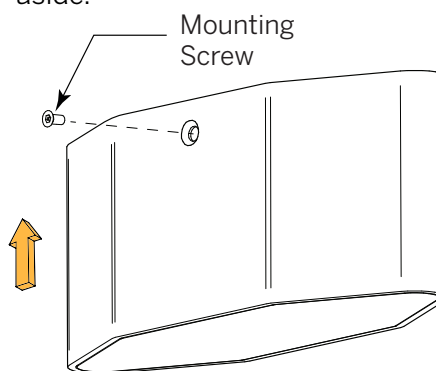


Fasten Bracket to surface using *supplied* screws and anchors.

- d** Extend Power Feed Cord and insert through one of the large holes in Bracket and drilled hole in Surface.



- d** Align Fixture Mounting Holes of Bracket and Luminaire. Insert and fasten together with Mounting Screws previously set aside.



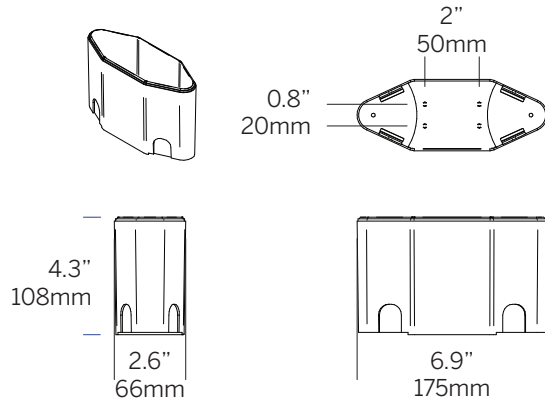
Need Help?

*Screws require 2.5mm Hex Key; Nuts require 7mm nut driver

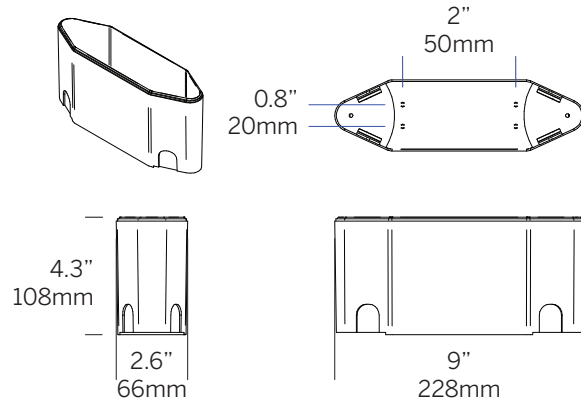
Recessed Installations

The Skin fixtures may be recessed in ground or floor surfaces and ceilings. When recessed in a surface, Skin fixtures employ either the 83123* or 83124* Enclosures, corresponding to the small or large Luminaires. In a ceiling, either poured concrete or drywall (as described in Steps 2D and 2E) an aluminum bracket is added to the Enclosures, as 83125** or 83126**.

83123



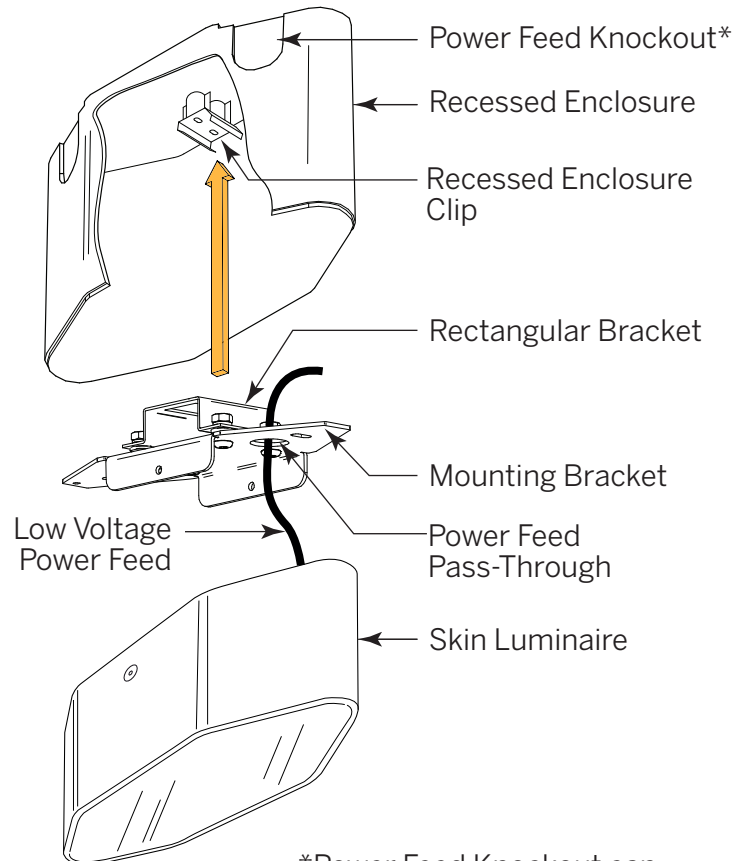
83124



In the illustration at right, the Mounting Bracket on the back of the Luminaire is supplied with the Rectangular Bracket attached.

The Rectangular Bracket has a rectangular cutout which corresponds to the Clip inside the Recessed Enclosure.

When inserting the Luminaire into the Enclosure a "click" will be felt when the Luminaire is correctly seated.

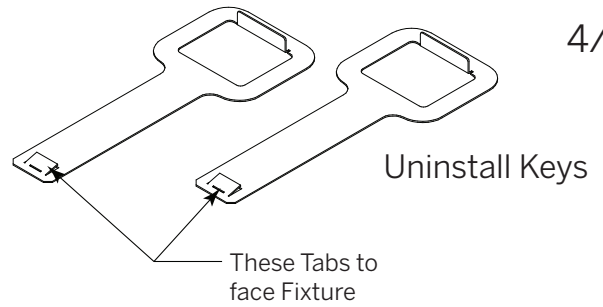


*Power Feed Knockout can accept Trade Size ½ flexible conduit, having an OD of 7/8".

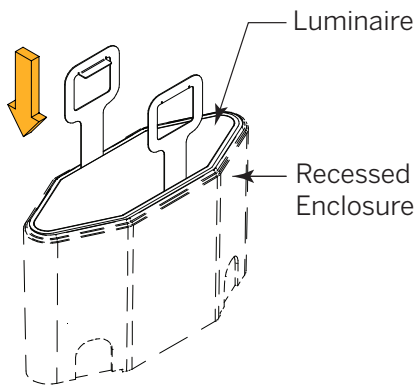
Need Help?

Recessed Installations (continued)

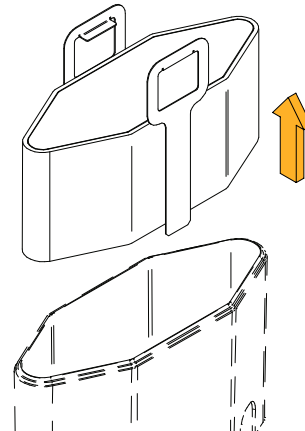
To Remove Luminaire from Recessed Installation



- a** Slide Keys down in between Luminaire and Enclosure, as shown below, until Tabs catch bottom of Luminaire.

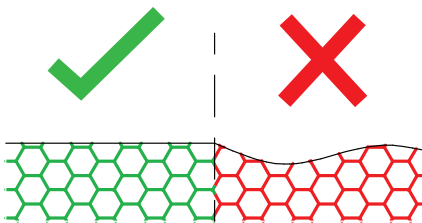


- b** Lift out Luminaire

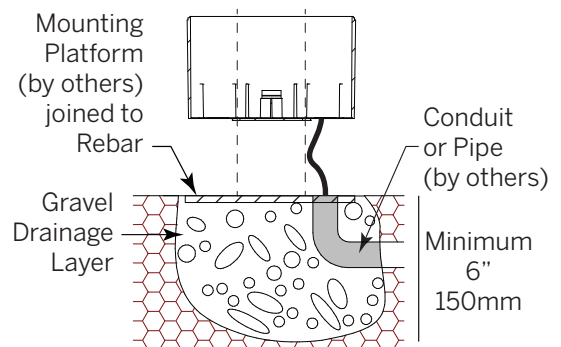


Step 2B - Recessed Uplight Installation in a New Poured Concrete Surface

- a** Select the appropriate Enclosure and fasten to flat surface.



- b** Cut out Power Feed Knockout(s). Pull incoming Power Feed into Enclosure. Secure Enclosure to Surface with at least 6" of gravel underneath for drainage. Screws/anchors by others.

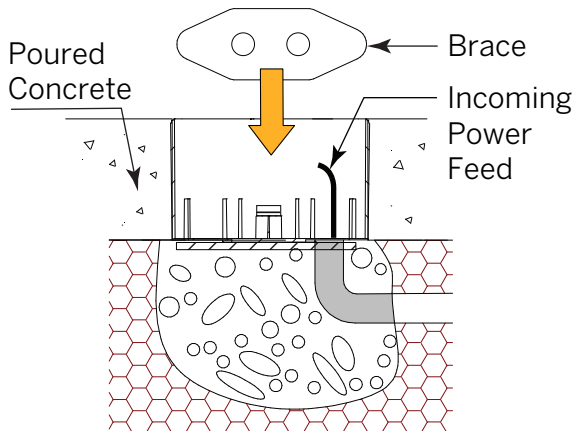


Need Help?

*Power Feed Knockout can accept Trade Size 1/2 flexible conduit, having an OD of 7/8".

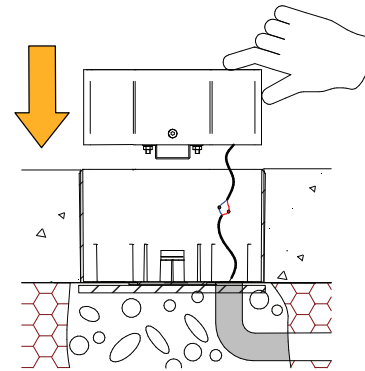
Step 2B - *Recessed Uplight Installation in a New Poured Concrete Surface*

- c** Place Anti-Crush Brace inside Enclosure to prevent Enclosure from deforming during pour. Pour Concrete.



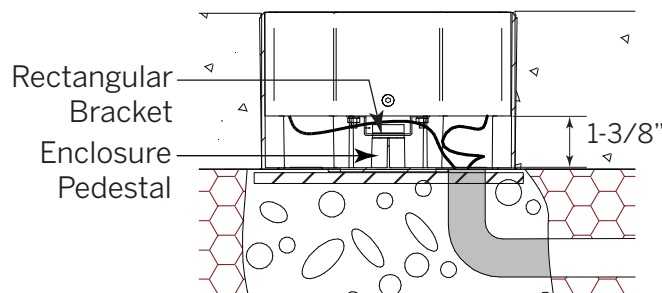
After curing, remove Brace and pull incoming Power Feed into

- d** Remove Mounting Bracket at bottom of Luminaire to access Power Feed Cable. See p. 2. Insert Cable through Pass-Through in Bracket and refasten.



Connect Power Feeds inside Enclosure and insert Luminaire.

- e** Seat Luminaire inside Enclosure until "click" is felt. Note that Rectangular Bracket sits directly on interior pedestal, leaving a 1-3/8" H space for wiring.



Need
Help?

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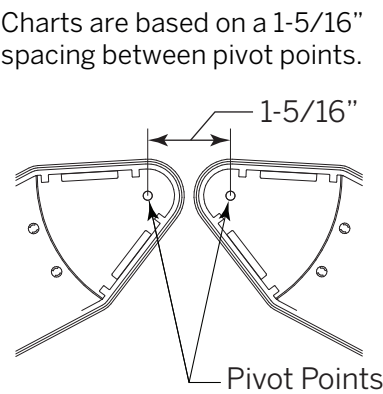
Step 2B - **Recessed Uplight Installation** in a New Poured Concrete Surface
(continued)

Modular Installation for Uplight Recessed Luminaires

Multi Unit Circles and their Diameters*

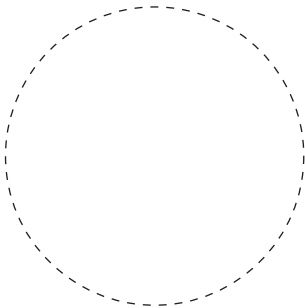
Small Enclosures		Large Enclosures	
#Units	Centerline Ø	#Units	Centerline Ø
8	17.2"	7	19.3"
9	19.6"	8	22.4"
10	21.9"	9	25.4"
11	24.1"	10	28.4"
12	26.4"	11	31.4"
13	28.6"	12	34.3"
14	31.0"	13	37.3"
15	33.2"	14	40.3"
16	35.5"	15	43.2"
17	37.7"	16	46.1"
18	40.0"	17	49.1"
19	42.2"	18	52.0"
20	44.5"	19	55.0"
		20	57.9"

*Minimum # of Units/Circle:
8 Small, 7 Large; Contact Inter-lux
for diameters of circles larger than
20 units.

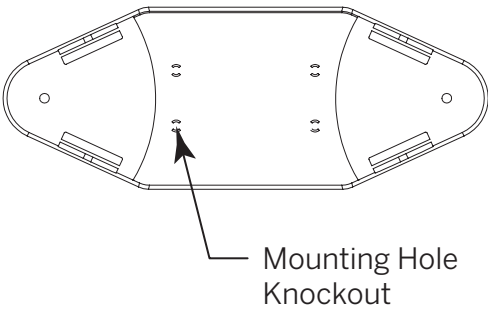


NOTE: Use full-size templates at end of this document to determine # of Units in circles having different unit spacings and in non-circular arcs.

- a** Draw circle or curve on surface that represents the centerline of the multi unit run.



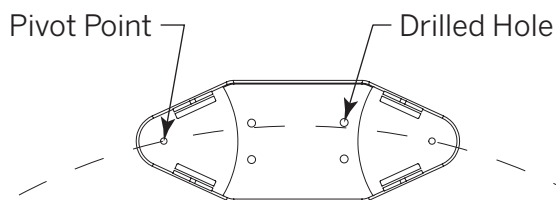
- b** Drill through each of the (4) Mounting Hole Knockouts on the bottom of the Enclosure.



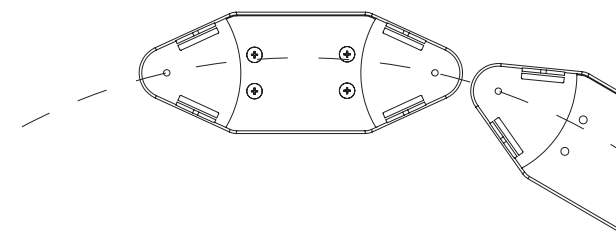
Step 2B - **Recessed Uplight Installation** in a New Poured Concrete Ceiling (continued)

Modular Installation for Uplight Recessed Luminaires

- c** Place Enclosure on circle such that both Pivot Points sit on centerline.



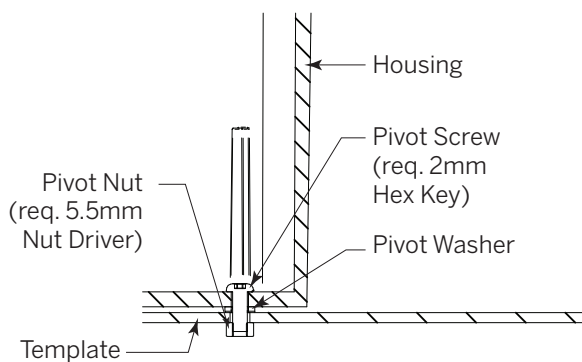
- d** Fasten Enclosure to surface (screws & anchors by others).



Drill out Mounting Hole Knockouts of second Enclosure. Place next Enclosure on centerline as in substep **c**. Repeat as necessary.

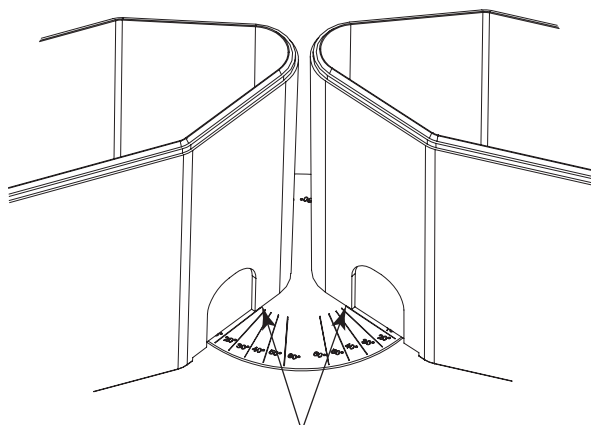
A supplied Angular Template may be used to layout multiple units in a curved run. Use supplied Pivot Hardware to maintain a uniform spacing of Enclosures.

- a** Fasten Recessed Enclosure to Template as shown below:



Detail View of Interior of Enclosure with Supplied Pivot Hardware

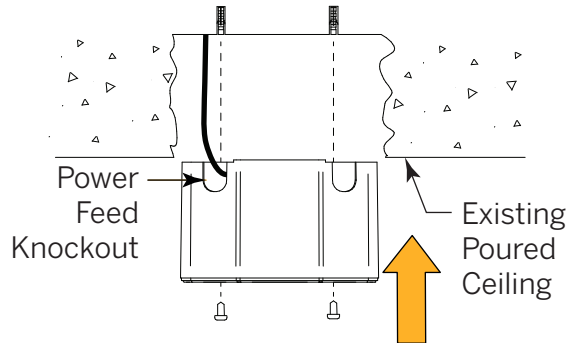
- b** Align bottom edges of Enclosure with angle marks on Template.



Need Help?

Step 2C - *Recessed Downlight Installation in an Existing Concrete Ceiling*

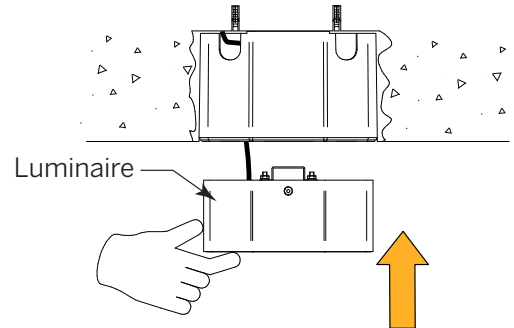
- a** Cut an appropriately sized opening and fasten Enclosure inside using screws and anchors (by others).



Pull Incoming Power Feed Cable into Enclosure through Power Feed Knock out.*

*Power Feed Knockout can accept Trade Size ½ flexible conduit, having an OD of 7/8".

- b** Remove Mounting Bracket at bottom of Luminaire to access Power Feed Cable. See p. 2. Insert Cable through Pass-Through in Bracket and refasten.



Fill surrounding gaps with caulk. When dry, connect power feeds and insert Luminaire. When a "click" is felt, the fixture is seated correctly.

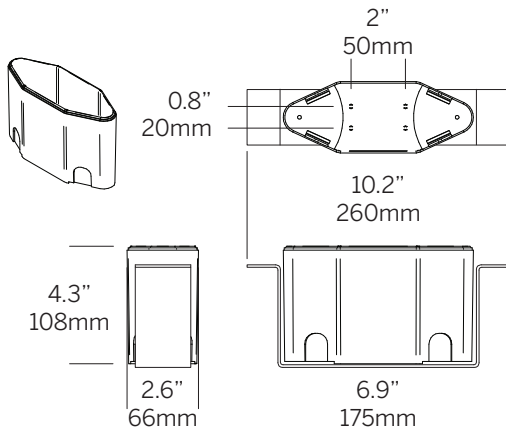
This Space Intentionally Left Blank

Need Help?

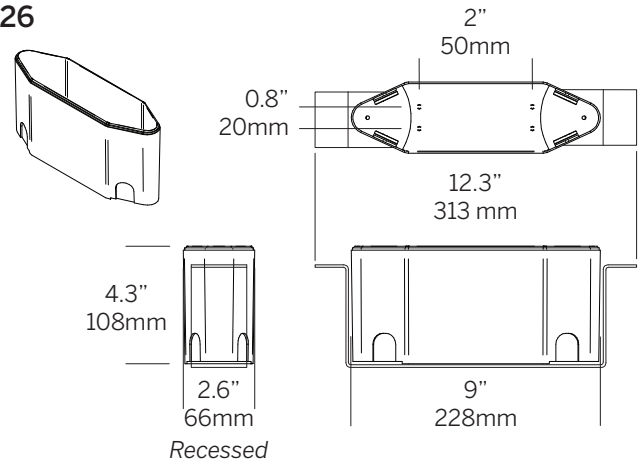
Step 2D - **Recessed Downlight Installation** in a New Poured Concrete Ceiling

Open box of the 83125 or 83126 Recessed Enclosure with Bracket for Concrete/Drywall. Use the 83125 for the small 6.5" L Luminaire, or the 83126 for the large 8.6" L Luminaire.

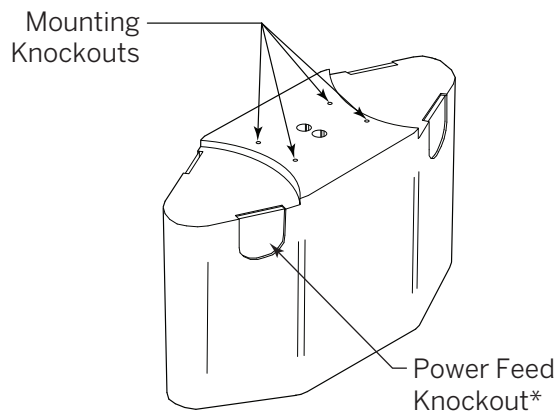
83125



83126

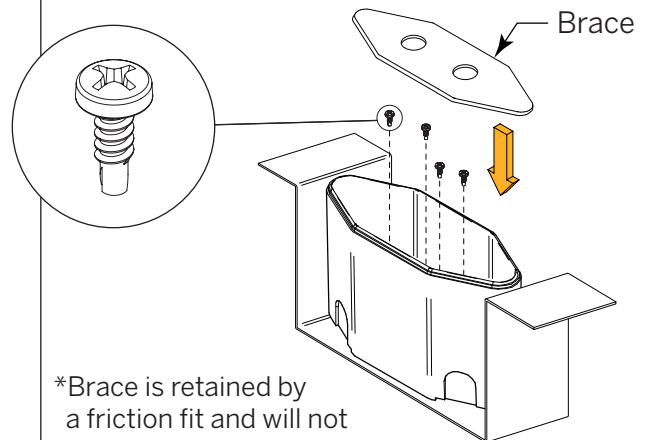


- a** Drill clearance holes through Mounting Knockouts on bottom of Enclosure.



Cut out Power Feed Knockout(s) as necessary.

- b** Fasten Luminaire Enclosure to Bracket with (4) Pan Head Self-Drilling Screws (supplied). Insert Anti-Crush Brace.*



*Brace is retained by a friction fit and will not fall out when Enclosure is inverted.

*Power Feed Knockout can accept Trade Size ½ flexible conduit, having an OD of 7/8".

Need
Help?

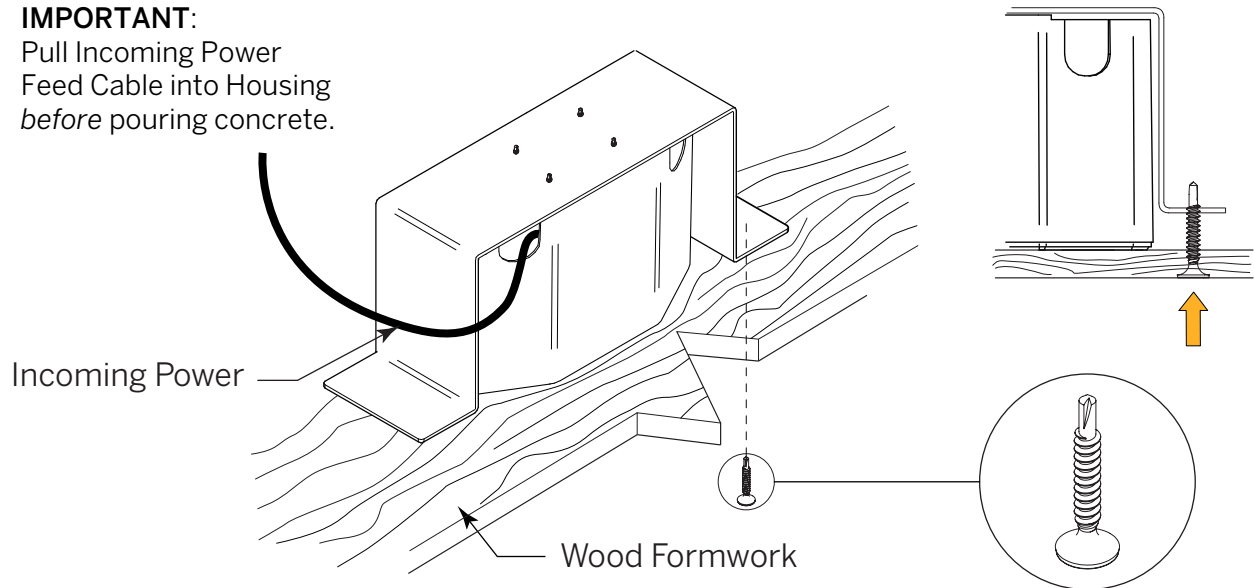
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Step 2D - **Recessed Downlight Installation** in a New Poured Concrete Ceiling (continued)

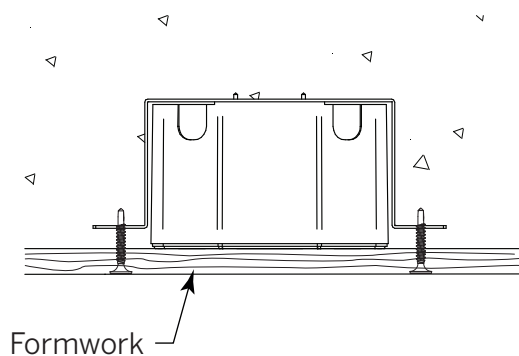
- c** Hold Bracket and Enclosure Assembly against Formwork. Do not cut hole for fixture. Note that only the Enclosure is in contact with Formwork surface. Screw in (4) Self-Drilling Flat-Head Screws (supplied) - (2) per Tab - through bottom of Formwork and into Tab.

IMPORTANT:

Pull Incoming Power
Feed Cable into Housing
before pouring concrete.

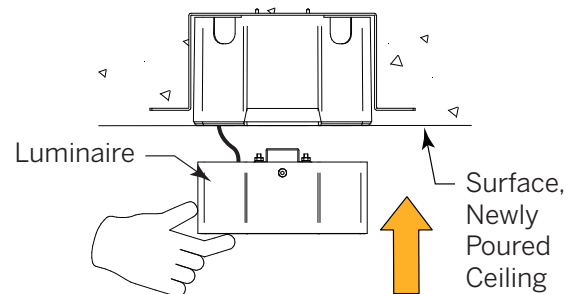


- d** Pour the Concrete



After curing, remove Screws and Formwork. Remove Brace.

- e** Remove Mounting Bracket at bottom of Luminaire to access Power Feed Cable. See p. 2. Insert Cable through Pass-Through in Bracket and refasten.

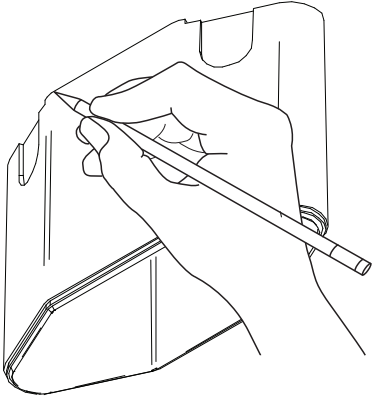


Connect Power Feeds inside Enclosure and insert Luminaire. When a "click" is felt, the fixture is seated correctly.

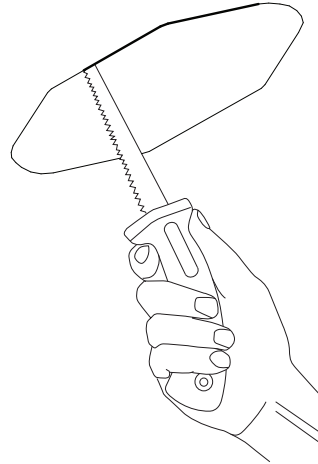
Need
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Step 2E - *Recessed Downlight Installation into Drywall Ceiling*

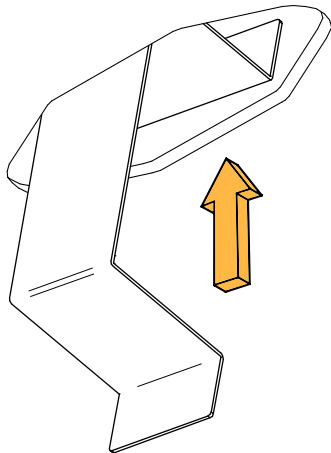
- a** Trace around Enclosure at desired location.



- b** Cut out ceiling along tracing line.

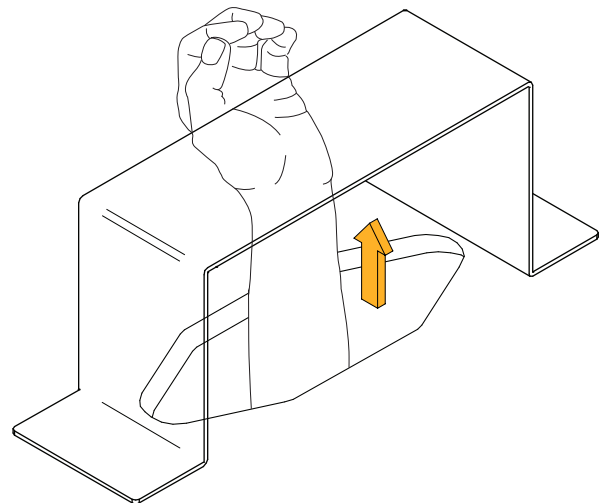


- c** Insert Enclosure Bracket through cut hole.



It will be necessary to maneuver Bracket in and around to place it inside ceiling.

- d** With Bracket situated over hole, curl fingers over top of Bracket to hold it in place.

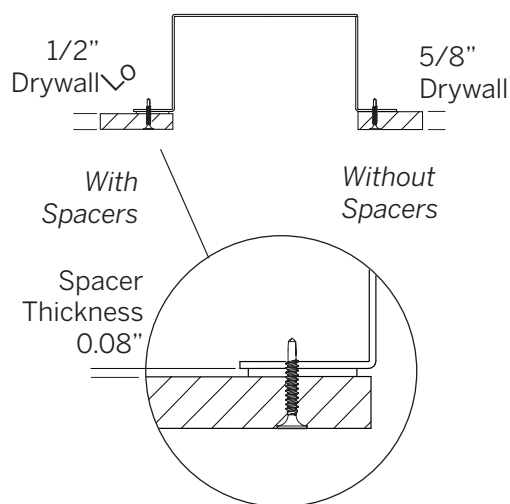


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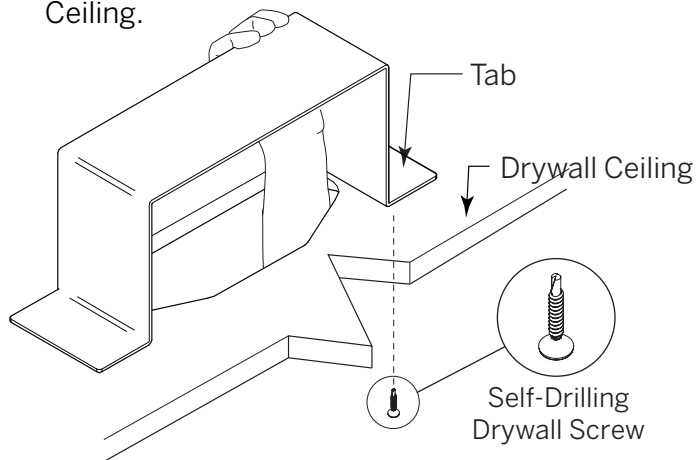
Step 2E - *Recessed Downlight Installation into Drywall Ceiling* (continued)

- e** Supplied Spacers to be used on 1/2" Drywall...



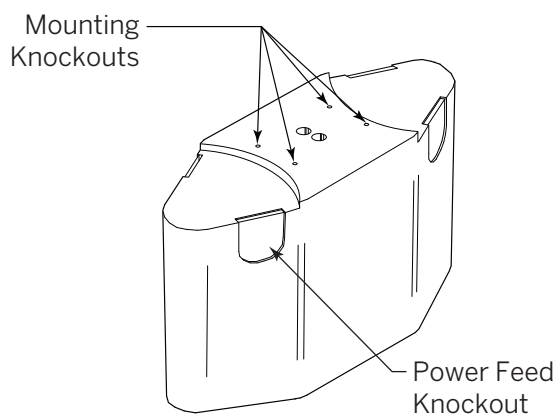
...but are not needed on 5/8" Drywall.

- f** Hold Bracket as close as possible to end being fastened and compress against inside of Drywall Ceiling.



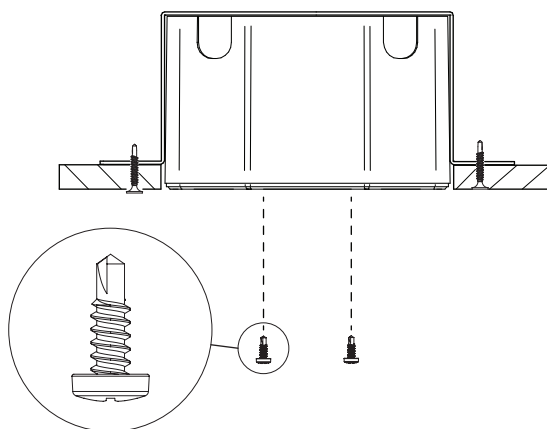
Drive supplied self-drilling screws (flat-head) up through ceiling, and fasten (2) screws into each Tab of Housing Bracket.

- g** Drill clearance holes through Mounting Knockouts on bottom of Enclosure.



Cut out Power Feed Knockout(s) as necessary.

- h** Mount Luminaire Enclosure to Bracket using (4) supplied mounting screws.



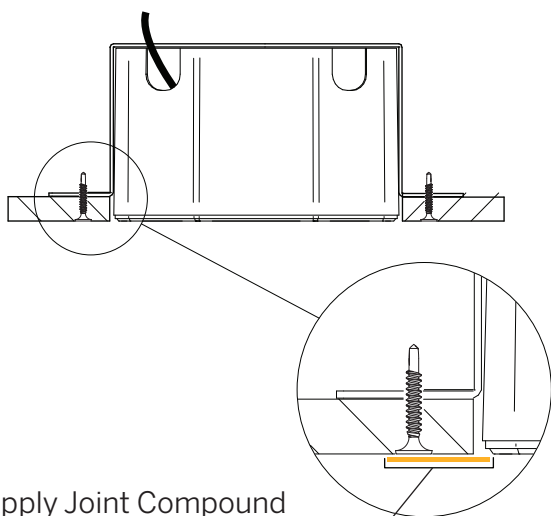
*Power Feed Knockout can accept Trade Size 1/2 flexible conduit, having an OD of 7/8".

Need Help?

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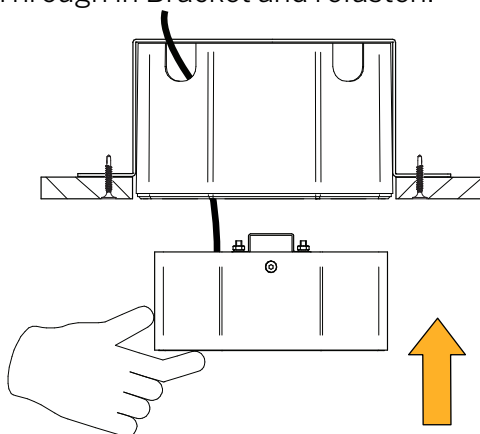
Step 2E - **Recessed Downlight Installation** into Drywall Ceiling (continued)

- i** Pull Power Feed into Enclosure.



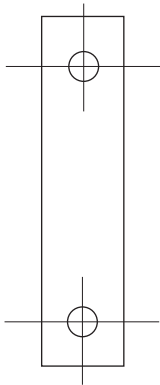
Apply Joint Compound in this area. Do not exceed edge of Enclosure.

- j** Remove Mounting Bracket at bottom of Luminaire to access Power Feed Cable. See p. 2. Insert Cable through Pass-Through in Bracket and refasten.



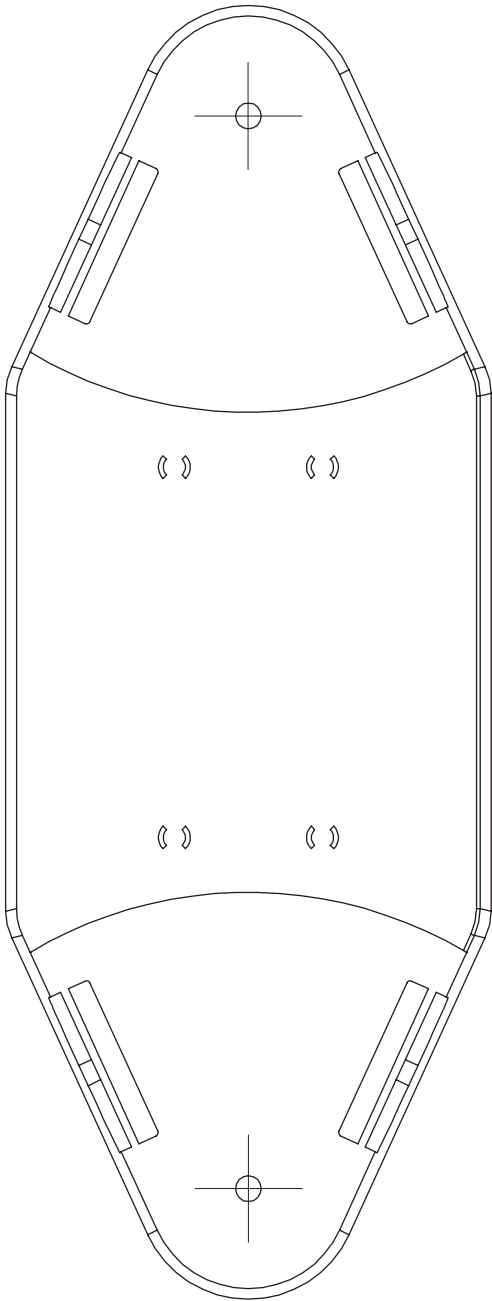
Connect Power Feeds. Insert Luminaire into Enclosure. When “click” is felt, Luminaire is seated. *Energize!*

Small Enclosure
Full Size Template
(Bottom View)

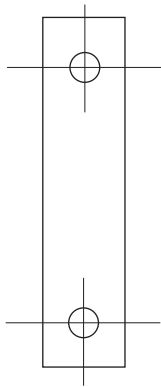


Full Size Template
of 1-5/16" Spacing
between Pivot Points

Use with Enclosure
Templates and a Pair of Dividers or
clips to arrange a
consistent layout

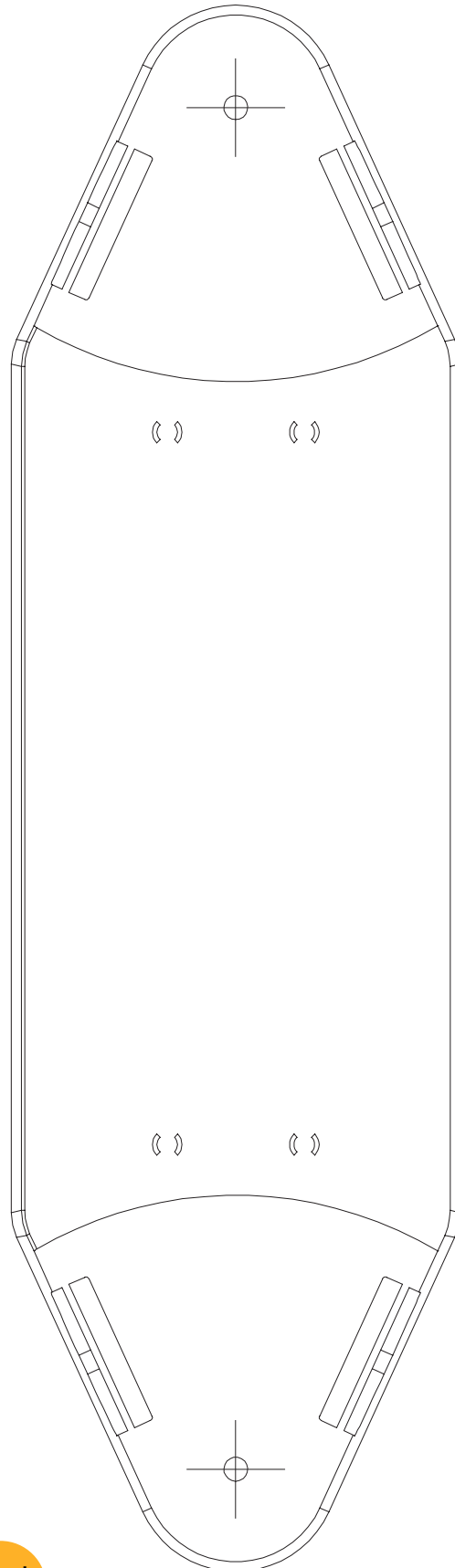


Large Enclosure
Full Size Template
(Bottom Surface)



Full Size Template
of 1-5/16" Spacing
between Pivot Points

Use with Enclosure
Templates and a Pair of Dividers
or Clips to arrange a
consistent layout



Need
Help?