

## TYPE IC/AIR-TIGHT RECESSED DOWNLIGHT INSTALLATION INSTRUCTIONS

**CAUTIONS** - For your safety read and understand instructions completely before starting installation.

**⚠ WARNING**- Risk of fire or electric shock.

1. Installation of this retrofit assembly requires a person familiar with the construction and operation of the luminaire's electrical system and the hazard involved. If not qualified, do not attempt installation. Contact qualified electrician.
2. Install this kit only in luminaires that have the construction features and dimensions described in these instructions, and where the input rating of the retrofit kit does not exceed the input rating of the luminaire.
3. LED Retrofit Kit installation requires knowledge of luminaires electrical systems. If not qualified, do not attempt installation. Contact a qualified electrician.
4. To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.

### NOTES:

1. This Luminaire is accepted as a component of a luminaire where the suitability of the combination shall be determined by CSA or authorities having jurisdiction.
2. Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.

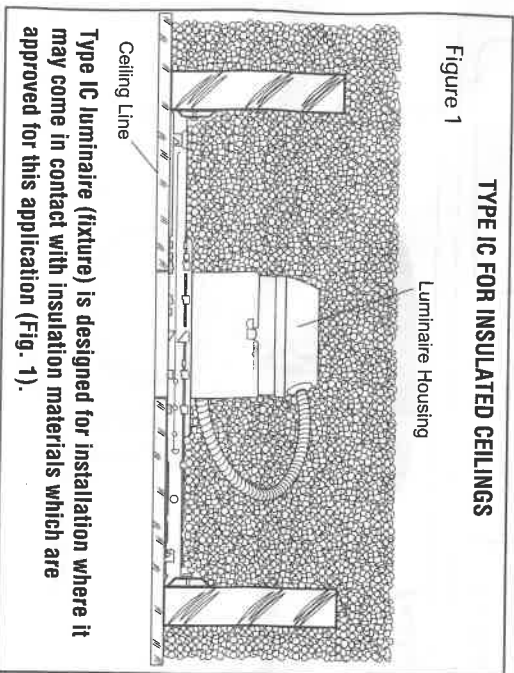


Figure 1

### TYPE IC FOR INSULATED CEILINGS

Type IC luminaire (fixture) is designed for installation where it may come in contact with insulation materials which are approved for this application (Fig. 1).

### INSTALLATION IN NEW CONSTRUCTION

1. Extend hanger bars to fit between joists. Align the flange of the hanger bar with the underside of the joists and nail the hanger bar to the joist (Fig. 2). Level the opposite end of the hanger bar and nail it securely to the joist. Repeat the process with the other hanger bar.

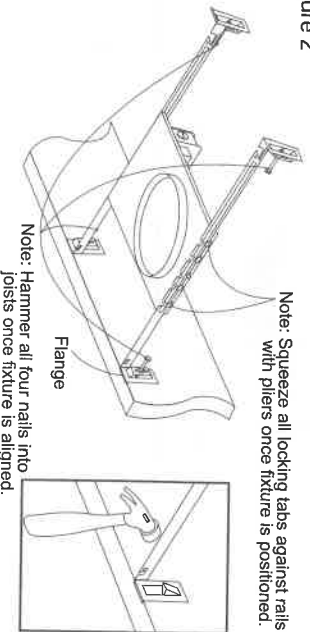


Figure 2

Note: Squeeze all locking tabs against rails with pliers once fixture is positioned.

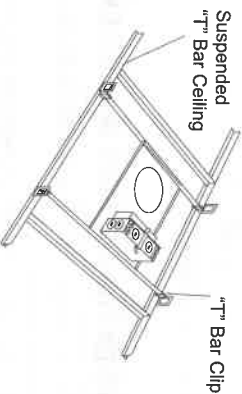
Note: Hammer all four nails into joists once fixture is aligned.

2. Position fixture between joists at desired location by sliding housing on hanger bars. Once the housing is in the desired location, squeeze tabs into hanger bars to lock luminaire (fixture) into place (Fig. 2).
3. Follow steps 1 through 5 under Electrical Connections.
4. Locate center of fixture opening in the ceiling sheetrock and cut a 6-3/8" diameter hole.  
Note: Cut a 4-3/8" (for 4" fixtures), 5-3/4" (for 5" fixtures) opening.

### INSTALLATION IN SUSPENDED CEILINGS

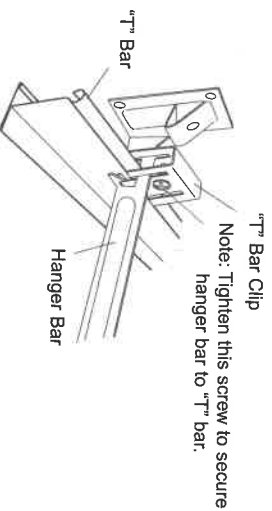
1. Locate fixture proposed fixture center in the ceiling tile and cut a 6-3/8" diameter hole.  
Note: Cut a 4-3/8" (for 4" fixtures), 5-3/4" (for 5" fixtures) opening.
2. Place ceiling tile in the T-bar grid.
3. Place fixture into position and snap bar hanger foot with integral T-bar clips onto T-bars (Fig. 3).

Figure 3



4. Secure hanger bars to T-bars and properly support the fixture from the building structure.  
**Note:** T-Bar Clips and screws may be used as local code authority or site conditions require (Fig. 4).
5. To secure luminaire (fixture) position in ceiling, squeeze tabs into hanger bars to lock luminaire (fixture) into place on bars.
6. Follow steps 1 through 5 under "Electrical Connection"

Figure 4



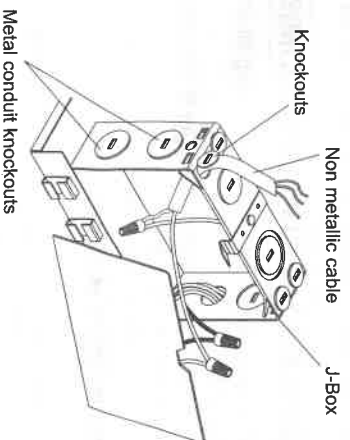
Note: Tighten this screw to secure hanger bar to "T" bar.

## 6" LED RETROFIT INSTALLATION INSTRUCTIONS

### ELECTRICAL CONNECTION

1. Provide electrical service according to the "National Electrical Code" or your local electrical code to the junction box on the fixture frame.
2. Remove appropriate size knockout on fixture J-box for conduit connector.
3. Remove J-box cover to J-box by pushing up on spring clip.
4. Attach Conduit with connector to J-box and secure (Fig. 7).
5. Connect supply wires to fixture wires and insulate with proper size wire nuts (not provided).
  - a.) Connect incoming ground wire (green or bare) to fixture ground wire (green or bare).
  - b.) Connect incoming common (white) wire to fixture common (white).
  - c.) Connect incoming hot (typically black) wire to fixture black wire.
5. Replace J-box cover.

Figure 7



### INSTALLATION FOR AIR-TIGHT IN NEW CONSTRUCTION

1. AIR-TIGHT housings certified under ASTM-283 are supplied with a per-installed gasket.
2. If provided install the gasket supplied with fixture by removing the protective cover on the back of the gasket.
3. Place the gasket so that it extends around the extruded flange on the frame.

### INSTALLATION FOR LED RETROFIT TRIM

1. Plug the female connector of the retrofit-kit onto the male connector of the housing. (Fig. 1)
2. Squeeze the torsion springs together as shown and install into torsion spring brackets inside the housing. (Fig. 2)

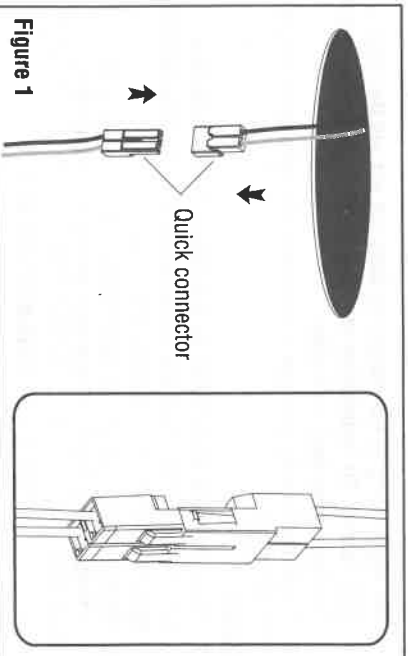


Figure 1

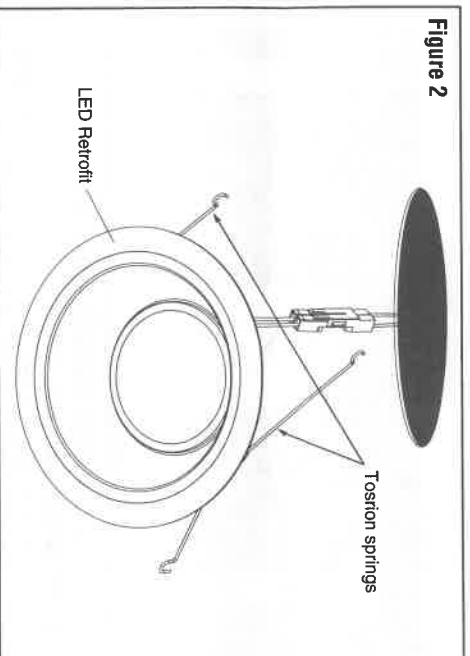


Figure 2

6. Tuck all wires into to the housing and carefully push the retrofit-kit into housing. (Fig. 4)

Figure 3

