

## JUNO TYPE IC20LED & IC22LED NEW CONSTRUCTION RECESSED HOUSING

**WARNING:** For your safety, read and understand instructions completely before starting installation.

Before wiring to power supply, turn off electricity at the fuse or circuit breaker box.

**NOTE:** Juno recessed fixtures are designed to meet the latest NEC requirements and are listed in full compliance with UL 1598. Before attempting installation of any recessed lighting fixture, check your local electrical building code. This code sets the wiring standards and installation requirements for your locality and should be understood before starting work. Use of non-Juno trims voids Juno warranty.

### SAVE THESE INSTRUCTIONS

#### IMPORTANT SAFEGUARDS:

When using electrical equipment, always adhere to basic safety precautions including the following:

#### TYPE IC FOR INSULATED CEILINGS

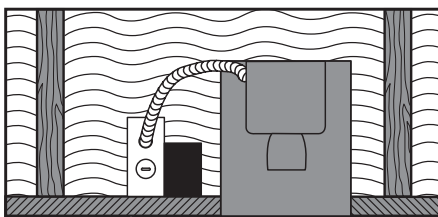


Figure 1

Juno Type IC fixtures are designed for direct contact with insulating materials which are approved for this application (Fig. 1). Fixtures may also be used in non-insulated ceilings.

Juno Air-Loc LED housings are supplied with pre-installed gaskets for energy savings and to comply with Washington State and other energy codes.

#### INSTALLATION INTO JOIST CONSTRUCTION

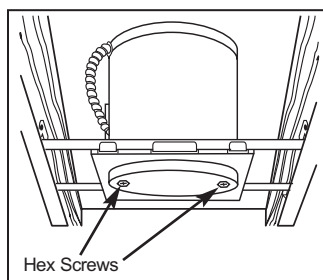


Figure 2

**Step 1.** Extend bar hangers to fit between joists. Bar hanger foot is contoured to easily align with bottom of joist (Fig. 2). Position fixture by hammering Real-Nails® into joists (Fig. 3).

*(Note: Bar hanger may be shortened to fit 12" framing or smaller by breaking at score lines).*

**Step 2.** Slide fixture along bar hangers into desired location. Use locking screws or slot to secure (Fig. 4).

**Relocating Fixture** – Nail can be removed with hammer claw to allow easy repositioning of fixture without damaging bar hanger or nail (Fig. 5).

**Step 3.** Follow steps 1-4 under Electrical Connection.

**Step 4.** When installing in drywall, cut appropriate sized hole.\* After installing drywall, if necessary, adjust fixture for ceiling thickness by loosening hex screws that attach the round housing to the plaster frame (Fig. 2).

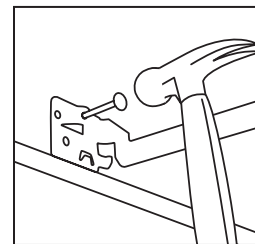


Figure 3

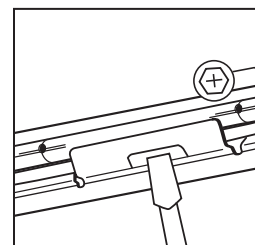


Figure 4

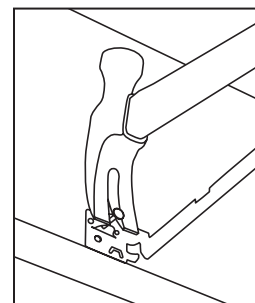


Figure 5

\* Note: Cut 5-5/8" (for 5" housings) or 6-7/8" (for 6" housings) opening.

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### INSTALLATION INTO SUSPENDED CEILING

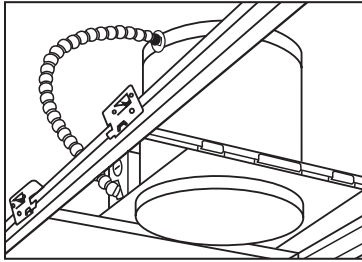


Figure 6

**Step 1.** Locate center of proposed opening on ceiling tile and cut appropriate sized hole.\*

**Step 2.** Place ceiling tile in T-bar grid.

**Step 3.** Place fixture into position and snap bar hanger foot with integral T-bar clips onto T-bars (Fig. 6). Additional holes provided for securing with wire or screws (Fig. 7).

**Step 4.** Follow Steps 1-4 under Electrical Connection.

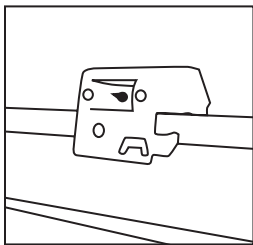


Figure 7

\* Note: Cut 5-5/8" (for 5" housings) or 6-7/8" (for 6" housings) opening.

### WARRANTY

Juno Lighting Group warrants that its LED downlight products are free from defects in material and workmanship for three years from date of purchase. Juno Lighting Group's obligation is expressly limited to repair or replacement, without charge, at Juno Lighting Group's factory after prior written return authorization has been granted. This warranty shall not apply to products which have been altered or repaired outside of Juno Lighting Group's factory. This warranty is in lieu of all other warranties, expressed or implied, and without limiting the generality of the foregoing phrase, excludes any implied warranty of merchantability. Also, there are no warranties which extend beyond the description of the product on the company's literature setting forth terms of sale.

**Product Services Phone (888) 387-2212**

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### ELECTRICAL CONNECTION INSTRUCTIONS

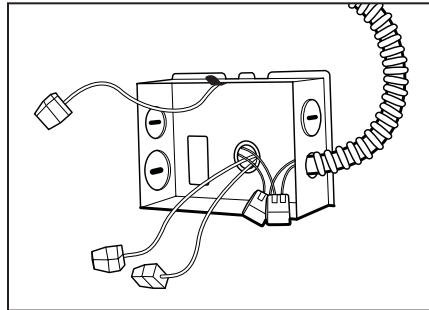


Figure 8

**Step 1.** Provide electrical service according to your local electrical code to the wiring box located on the plaster frame. Supply wire insulation must be rated for at least 90°C.

**Step 2.** Remove wiring box cover. Remove the appropriate knock-out(s) to accommodate the type of electrical service to be used/allowed by your local electrical code (Fig. 8):

**Metal Conduit.** Remove appropriate round knock-out(s) and connect conduit to wiring box with proper connectors (not supplied).

**Non-Metallic Cable.** When using non-metallic sheathed cable, use UL listed non-metallic cable fittings (2 provided.) Install fitting(s) into 1/2" trade size knock-out(s) in J-box. Insert cable into fitting, pushing it past the cable grip to secure. When more than two fitting(s) are needed, use additional UL listed non-metallic cable fittings (not supplied).

**Step 3.**  
**J-Box with Quick Connectors:** Strip supply wire 3/8", insert each supply wire into appropriate junction box connector. Connect black fixture wire to hot, white fixture wire to neutral and green fixture wire to ground.

**Step 4.** Place all wiring and connectors back in wiring box and replace cover.

### TRIM INSTALLATION

After ceiling is finished and painted, remove paint shield from fixture. Discard or recycle. To install trims using COIL SPRINGS remove REFLECTOR by rotating 1/4 turn counter-clockwise (Fig. 9). Connect trim springs to fixture heatsink as shown (Fig. 10). Take note of flange details at top of REFLECTOR, align and insert in fixture and rotate 1/4 turn clockwise until it stops.

To install trims with TORSION SPRINGS it is not necessary to remove REFLECTOR.

For lensed trims equipped with an internal reflector, remove the reflector supplied with the trim and discard or recycle.



Figure 9

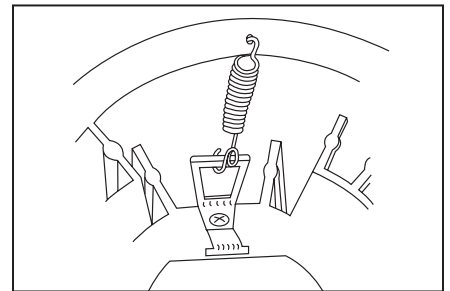


Figure 10



JUNO LIGHTING GROUP  
by Schneider Electric