

## JUNO IC1LWDG3 NEW CONSTRUCTION RECESSED HOUSINGS

**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 the relevant UL standard(s). 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

### TYPE IC FOR INSULATED CEILINGS

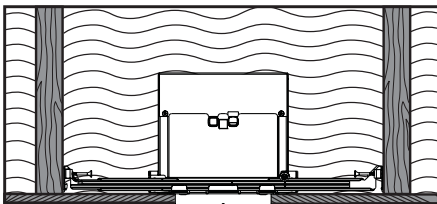


Figure 1

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 energy code air leakage requirements per ASTM E283.

### INSTALLATION INTO JOIST CONSTRUCTION

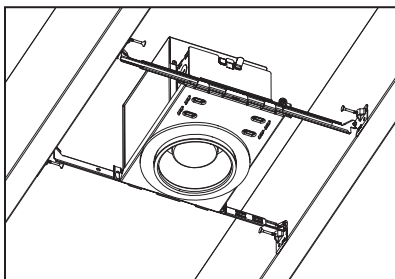


Figure 2

**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 a hole measuring 4-1/2" diameter. After installing drywall, adjust inner housing height (if necessary) to match the bottom surface of ceiling by pulling down on inner housing, which is retained by springs. The housing is adjustable for ceilings up to 1-1/2" thick.

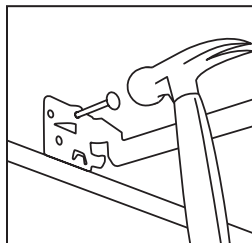


Figure 3

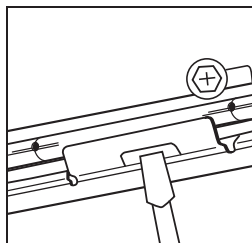


Figure 4

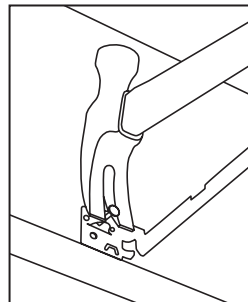


Figure 5

### INSTALLATION INTO SUSPENDED CEILING

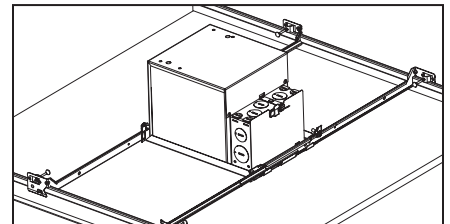


Figure 6

**Step 1.** Locate center of proposed opening on ceiling tile and cut a hole measuring 4-1/2" diameter.

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

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

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

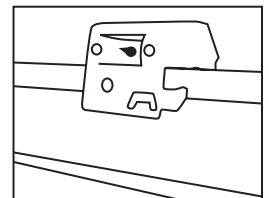


Figure 7



## JUNO IC1LWDG3 NEW CONSTRUCTION RECESSED HOUSINGS

### ELECTRICAL CONNECTION INSTRUCTIONS

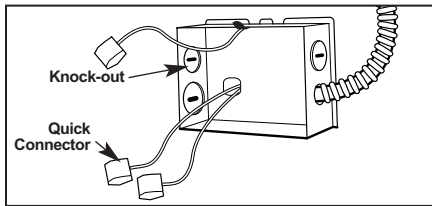


Figure 8

**Step 1.** Provide electrical service according to national and/or local electrical code to the wiring box located on the fixture 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 supply being used (Fig. 8):

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

**12/2 or 14/2 Non-Metallic Sheathed Cable (Type NM-B).** Remove appropriate D-shaped cable knock-out(s). Insert the NM-B cable through the cable trap and make a 90° L-shaped bend in cable as shown (Fig. 9).

**12/3 or 14/3 Cable (Type NM-B).** Remove the appropriate round knockouts and connect cable with proper electrical connectors (not supplied and not shown).

**Step 3.** Strip supply wire 3/8" and insert each supply wire into appropriate connector. Connect black fixture wire to hot, white fixture wire to neutral and green fixture wire to ground. (Fig. 8).

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

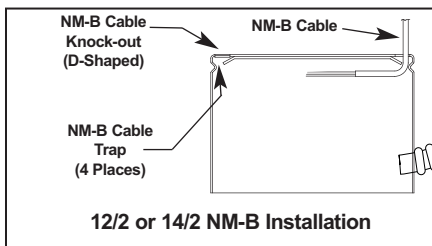


Figure 9

### FIXTURE DIMMING

**IC1LWDG3:** 120VAC input housings. Dimmable with the use of most incandescent, magnetic low voltage or electronic low voltage\* wall box dimmers.

Consult Juno Product Services or website for compatibility.

\*Electronic low voltage dimmers require a neutral wire connection in the wall box.

### TRIM INSTALLATION

After ceiling is finished and painted, remove and discard paint shield from fixture. Insert trim into fixture by lining up trim springs with the housing opening, and pressing trim up towards the ceiling. Take note of the position of the optic within the housing, and avoid contact with it when pushing in trim.

### WARRANTY

Juno Lighting Group provides five year limited warranty on LED components 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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JUNO LIGHTING GROUP  
by Schneider Electric