



# INSTALLATION INSTRUCTIONS

## TC920LEDG3 & TC922LEDG3

### Commercial Recessed Housing

## SAVE THESE INSTRUCTIONS

**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.

**WARNING:** Risk of fire. Do not install insulation within 3 inches of fixture sides or wiring compartment, nor above fixture in such a manner as to entrap heat. (Fig. 1)\*

\* In Canada, when insulation is present, Type IC fixtures must be used.

### TYPE TC FOR NON-INSULATED CEILINGS

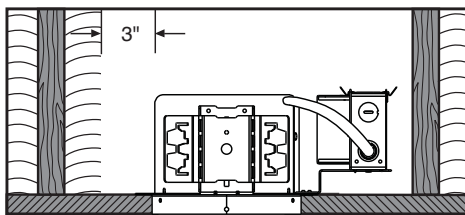


Figure 1

Juno Type TC fixtures are designed for installations where housing and J-box will not come in contact with insulation. Insulation must be spaced 3" away from housing and J-box (Fig. 1). Improper fixture operation may indicate improper insulation application.

### HOUSING INSTALLATION

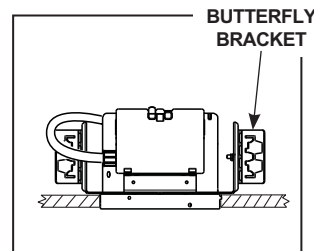


Figure 2

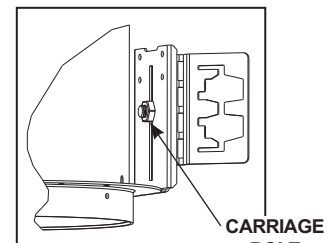


Figure 3

**Step 1.** Install housing into ceiling cavity by inserting 1/2" EMT, 3/4" or 1-1/2" C-Channel, linear flat bars or Real Nail 3 bar hangers into butterfly style mounting brackets (Fig. 2).

**Step 2.** Adjust butterfly mounting brackets by loosening the carriage adjustment bolt so bottom of plaster ring is flush with finished ceiling line. Mounting brackets have total vertical adjustment of 3" (Fig. 3).

**Step 3.** Follow steps under Electrical Connection.

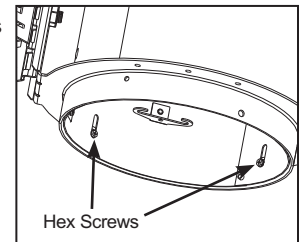


Figure 4

**Step 4.** Cut appropriate sized hole.\*

If necessary, adjust fixture for ceiling thickness by loosening hex screws that attach round housing to the plaster ring.

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

### 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.

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JUNO LIGHTING GROUP  
by Schneider Electric



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### Commercial Recessed Housing

#### ELECTRICAL CONNECTION INSTRUCTIONS

**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 round knock-out(s) and accommodate the type of electrical service to be used/allowed by your local electrical code. (Fig. 5)

**Metal Conduit (rigid or flexible)/Non-Metallic Sheathed Cable** Remove appropriate round knock-out(s) and connect conduit to wiring box with proper connectors (not supplied).

**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. 5)

For 0-10V dimming, connect violet (+) and gray (-) dimmer wires.

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

#### FIXTURE DIMMING

TC920LEDG3-XXX-U, TC922LEDG3-XXX-U and Chicago Plenum and Emergency Options Universal input voltage (120VAC thru 277VAC) housings. Dimmable with the use of most 0-10V wall box dimmers. Consult Juno Product Services or website for compatibility.

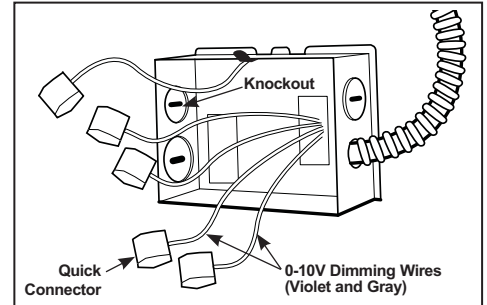


Figure 5

#### EMERGENCY BATTERY BACK UP WITH REMOTE TEST SWITCH (BR OPTION)

When the fixture is ordered with the emergency battery back up option (BR), the housing comes from the factory with the battery pack already wired to the fixture and a carton with the test switch accessories (shipped in same carton as housing).

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

**Note: For proper charging and function of emergency battery, an unswitched hot conductor must be connected to the battery independent of the driver power.**

**Step 2.** Remove wiring box cover. Remove the appropriate round knock-out(s) and connect electrical supply to wiring box with proper connectors (not supplied).

**Step 3.** Refer to the instruction manual provided by the battery manufacturer located in the carton with the test accessories to complete wiring and installation of emergency fixture and test switch.

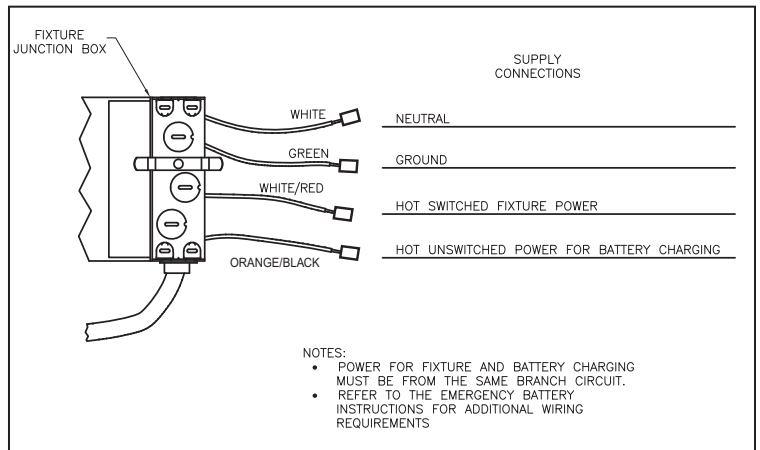


Figure 6

#### DRIVER REPLACEMENT

Driver replacements must be performed by a qualified electrician. Remove inner housing from fixture to access driver. Order replacement kits as identified on the driver. The replacement kits include detailed instructions for driver replacement.

#### TRIM INSTALLATION

After ceiling is finished and painted, remove paint shield from fixture. Discard or recycle. To install trims using COIL SPRINGS remove OPTIC REFLECTOR by rotating 1/4 turn counter-clockwise (Fig. 7). Connect trim springs to fixture L-BRACKETS as shown (Fig. 8). Take note of flange details at top of OPTIC REFLECTOR, align and insert in fixture and rotate 1/4 turn clockwise until it stops.

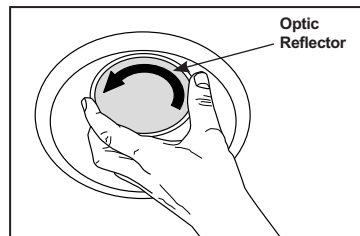


Figure 7

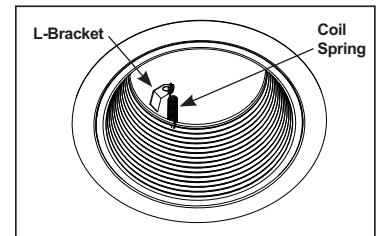


Figure 8

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

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



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