



## General Luminaire Installation Instructions

B25 Series Products

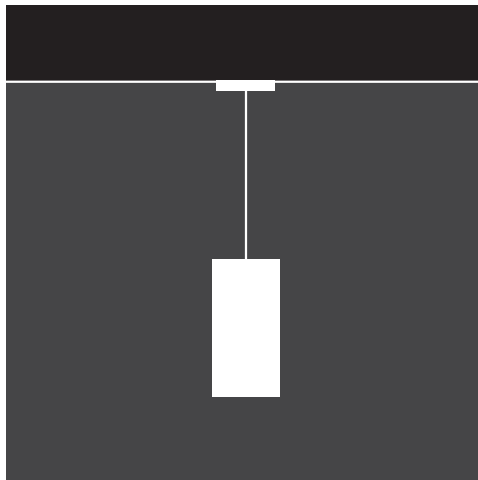
### **WARNING**

#### **RISK OF DEATH, INJURY, OR PROPERTY DAMAGE FROM FIRE, ELECTRIC SHOCK, AND OTHER HAZARDS**

- De-energize the circuit and/or equipment before connecting to, disconnecting from, or servicing electrical equipment
- Make sure the equipment is properly grounded.
- Read this document in full prior to installing, servicing, or maintaining this equipment. These instructions do not cover all installation, service, and maintenance situations. If your situation is not covered, or, if you do not understand these instructions or need additional information, contact Lumato or your local Lumato distributor.
- Installation and maintenance must be performed by qualified personnel familiar with the construction and operation of this product. All applicable local and national codes and ordinances must be followed.

### **REQUIRED TOOLS**

- Power Drill w/ #2 Philips Head Bit - Torque  $\leq 10$
- Wire Strippers
- Box/Beam Level
- Clorox (or similar) Cleaner
  - In case of lens smudge during installation



**B25 Beam**  
2.625in x 5in

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## General Luminaire Installation Instructions

### Individual Mounting

#### CABLE MOUNTING “ON GRID”. (T1, T9, & SC)

- Linear suspended B25 luminaires intended for “On Grid” or “Tee Bar Ceiling” cable mounting are to be installed with T1. (1” T-Grid), T9. (9/16” T-Grid), or SC. (Screw Slot Grid) Feed and Hanger Kits. Feed and Hanger Kits are shipped separately. (Figure 16-18)

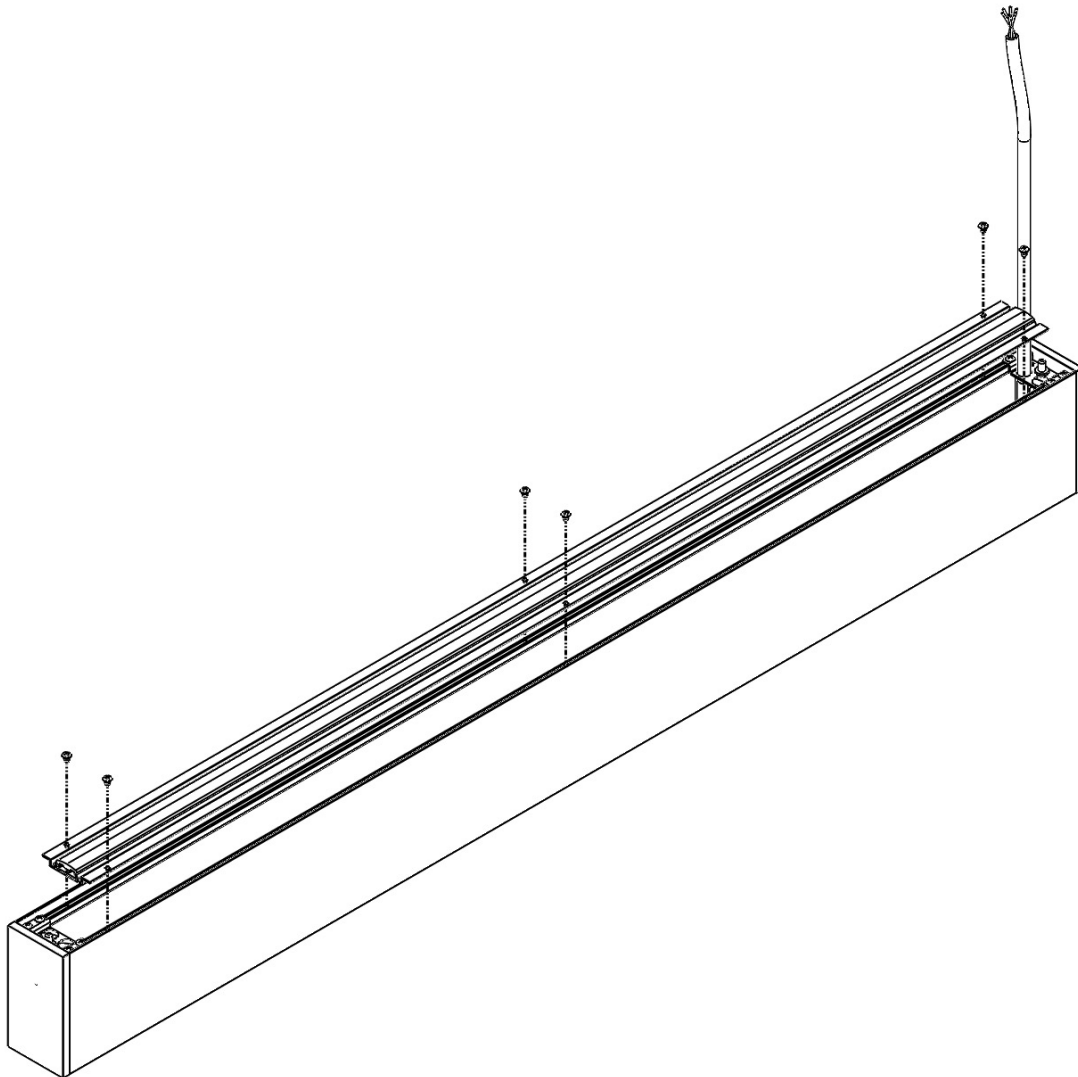
#### CABLE MOUNTING “OFF GRID”. (HC & JB)

- Linear suspended B25 luminaires intended for cable mounting are to be installed with HC. (Hard Ceiling) or JB. (Junction Box) Feed and Hanger Kits. Feed and Hanger Kits are shipped separately. (Figure 14 and 15)

### INDIVIDUAL FIXTURE INSTALLATION

**Step One:** Remove the top cover by unscrewing and setting aside the 6 Philips head screws securing it to the housing. (Figure 1)

Figure 1



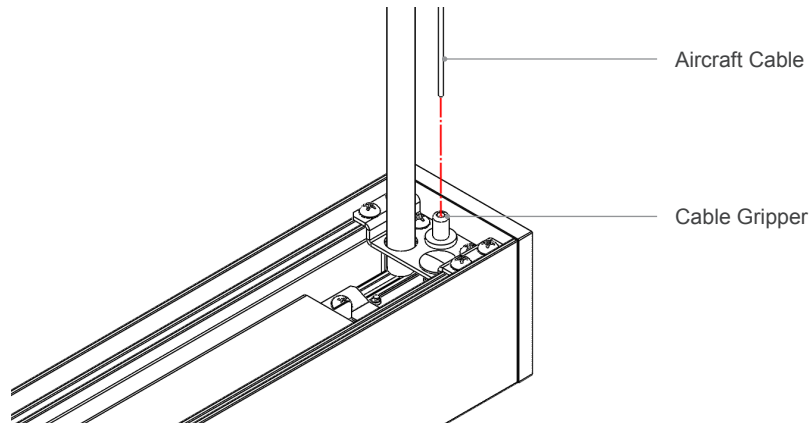
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## Individual Fixture Installation Instructions

### Individual Mounting

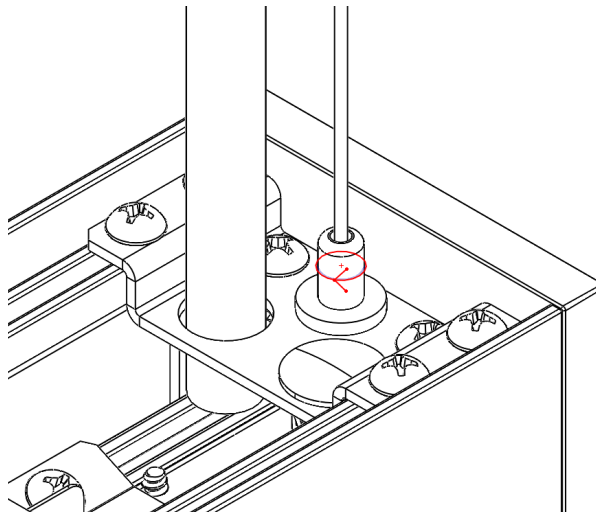
**Step Two:** After locating the suspension cable locations as shown in the submittal drawing and referencing suspension Figures 14-18, suspend the fixture by feeding the 1/16" aircraft cable through each cable gripper. (Figure 2)

**Figure 2**



**Step Three:** Level the fixture and tighten the cable gripper upper nuts to lock the 1/16" steel cable. (Figure 3)

**Figure 3**



**Step Four:** Follow Feed Cable/Canopy Assembly instructions for connecting to building/supply power to the SJ Cord connected to the fixture. (Figure 15)

**Step Five:** Reinstall the top cover using the 6 Philips head screws in step 1. Ensure no wires or other components are pinched in the process. (Figure 1)

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## Row Mount Installation Instructions

B25 Series Products

### WARNING

**ATTEMPT TO ASSEMBLE A CONTINUOUS ROW LUMINAIRE ON THE GROUND AND LIFTING ROW INTO THE POSITION MAY CREATE STRESS AT CONNECTION POINTS AND MAY RESULT IN DAMAGE AND/OR MECHANICAL FAILURE. FIXTURES ARE MEANT TO BE INSTALLED AT HEIGHT.**

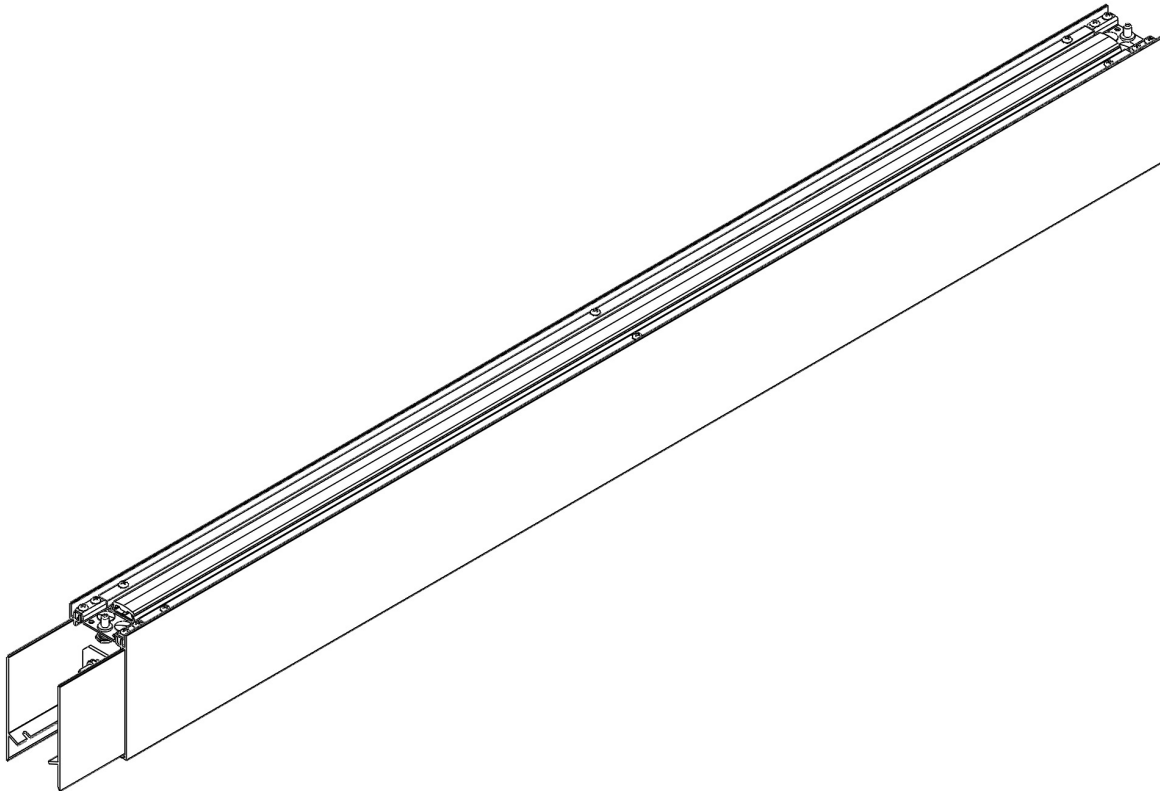
### REQUIRED TOOLS

- Power Drill w/ #2 Philips Head Bit - Torque  $\leq 10$
- Box/Beam Level
- 3/8" Socket & Ratcheting Socket Wrench
- Scissors
- Wire Strippers
- Clorox (or similar) Cleaner
  - In case of lens smudge during installation

**Step One:** Locate and identify all Fixtures and Lens Kits that are needed to build the run. All Runs are built of Starter, Joiner, and Ender fixtures with a continuous roll in lens that is installed after the fixtures are hung. Consult the provided submittal drawing to reference these parts.

**Step Two:** Locate and identify the Starter fixture for the run. (Figure 4). Note that this fixture has no end-cap, two aircraft cable grippers, and has the male joining bracket and joining biscuits protruding from one side of the fixture.

Figure 4



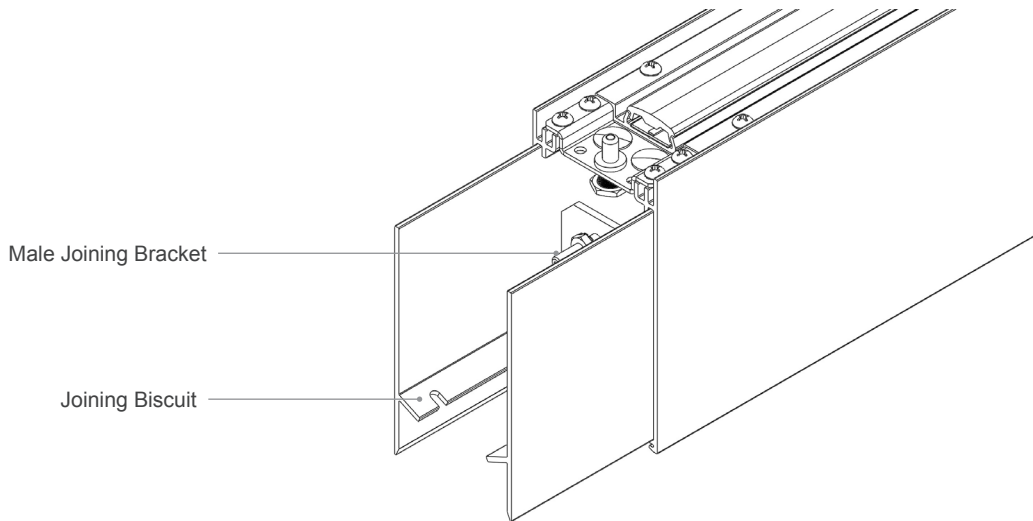
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## Row Mount Installation Instructions (Continued)

B25 Series Products

**Step Three:** Locate the suspension cable locations as shown in the submittal drawing and referencing suspension Figures 14-17, suspend the fixture by feeding the 1/16" aircraft cable through each cable gripper. The side with the male joining bracket & protruding joining biscuits is to be oriented toward the rest of the run. (Figure 5)

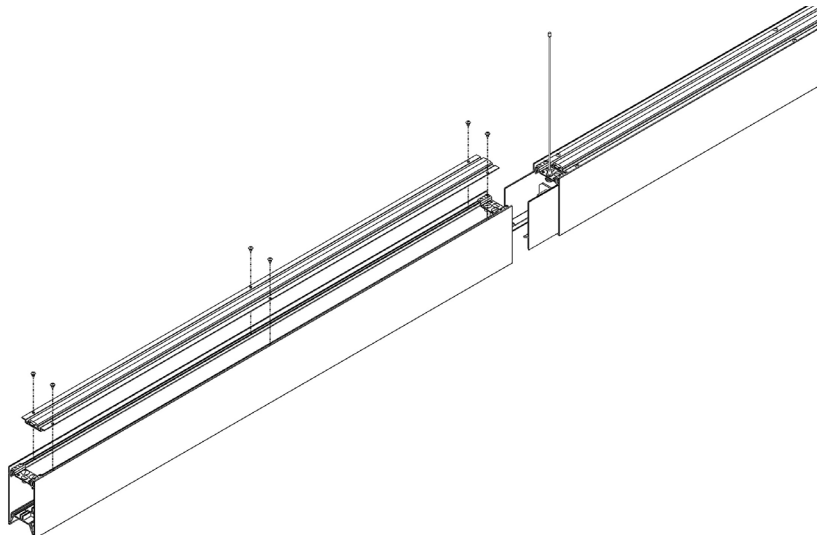
**Figure 5**



**Step Four:** Level the fixture and tighten the cable gripper upper nuts to lock the 1/16" steel cable. (Figure 3)

**Step Five:** Locate the next fixture in the run by referencing the submittal and aligning the female joining bracket to the preceding male joining bracket and joining biscuits protruding from the fixture. Remove the top tray by unscrewing 6 Philips head screws and set aside. (Figure 6)

**Figure 6**



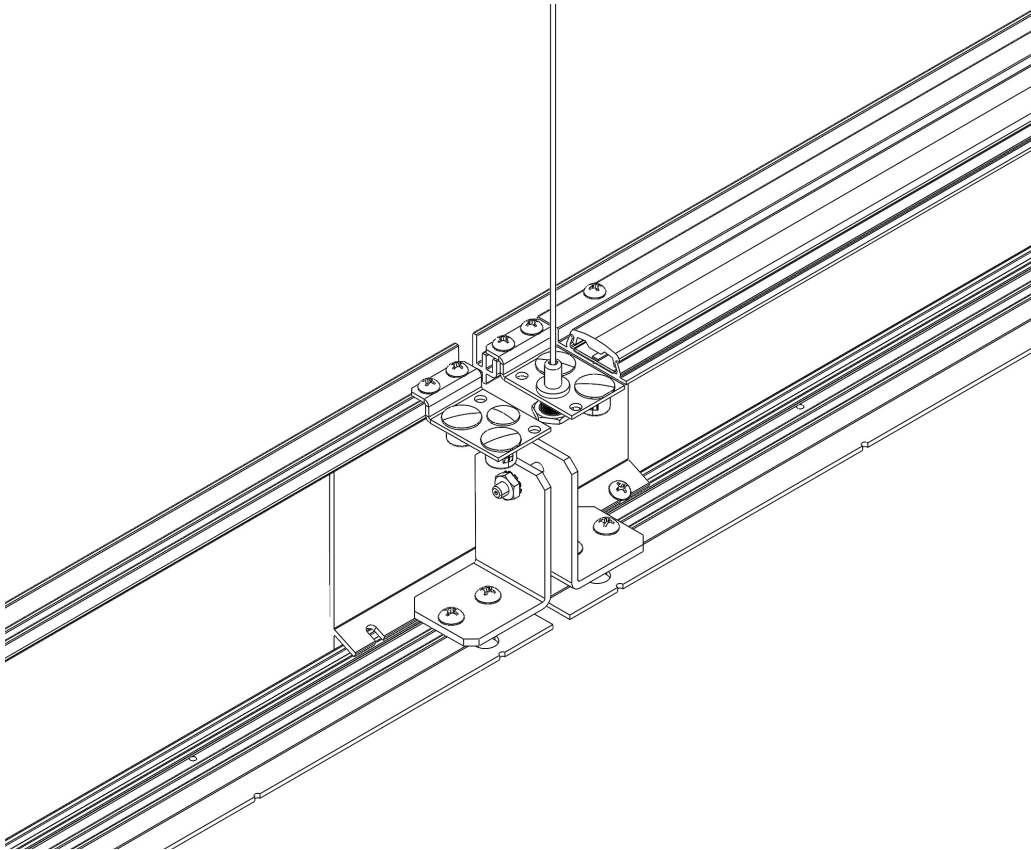
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## Row Mount Installation Instructions (Continued)

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**Step Six:** With the female joining bracket pointed towards the precedent fixture, feed second suspension cable through gripper on the far side of the joining fixture as you bring it up to height. Align and slide the joining biscuits into the Joiner/End fixture until the fixtures butt together. (Figure 7)

**Figure 7**



**Step Seven:** Secure the two fixtures together by tightening the #10-24 nut with an 3/8" wrench or ratchet. Feed the starter/previously joined fixture's wire harnesses into this new fixture for electrical connection.

**Step Eight:** Re-install the top cover using the 6 Philips head screws in Step 5. Ensure no wires or other components are pinched in the process. (Figure 8)

**Step Nine:** Continue to install Joiner fixtures repeating steps 2-8.

**Step Ten:** Locate and Identify Ender fixture. The Ender fixture will have a cord and one. (1) End-cap attached. (Figure 9) Install by repeating steps 2-8.

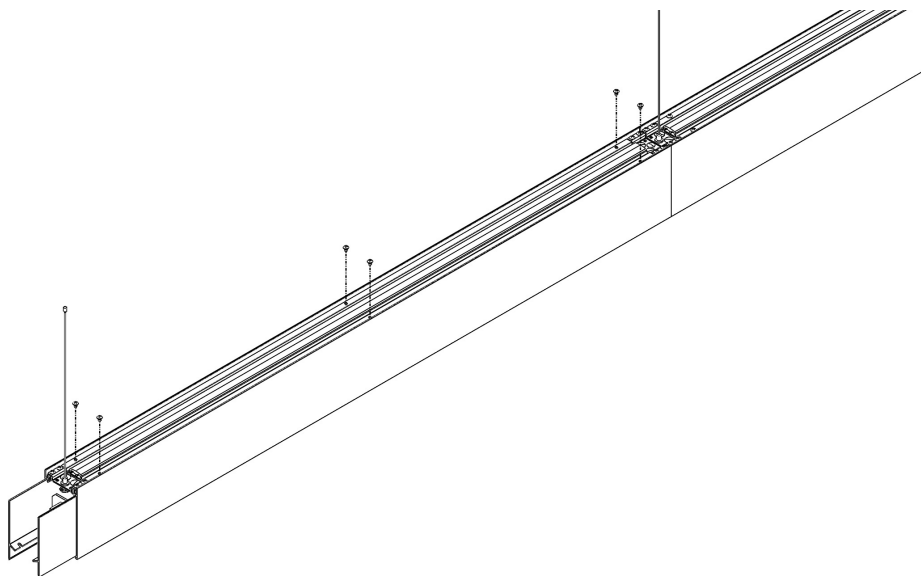
**Step Eleven:** Once Ender is installed, follow the Feed Cable/Canopy instructions to connect the run to building power. (Figure 9)

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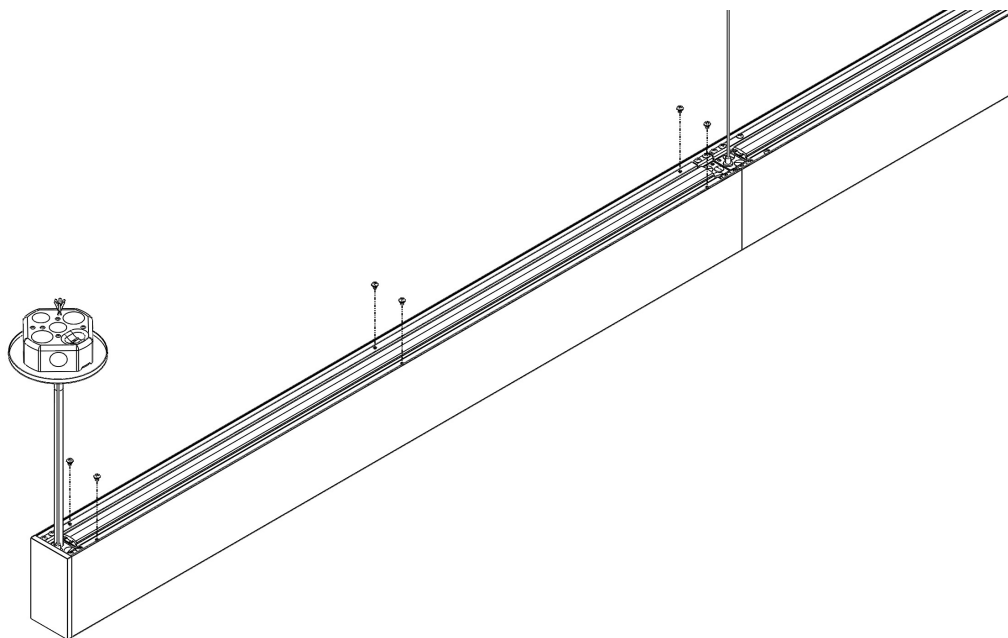
## Row Mount Installation Instructions (Continued)

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**Figure 8**



**Figure 9**



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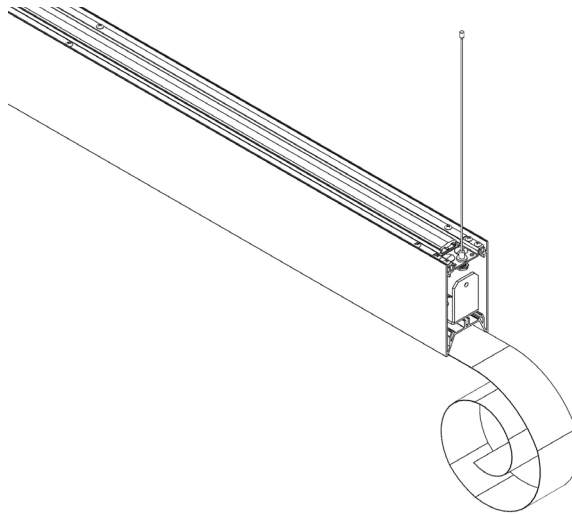
## Row Mount Installation Instructions (Continued)

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**Step Twelve:** Now that the row is hung, locate and identify the Lens Kit. Lens kits are comprised of one. (1) roll-in lens, and one. (1) end-cap.

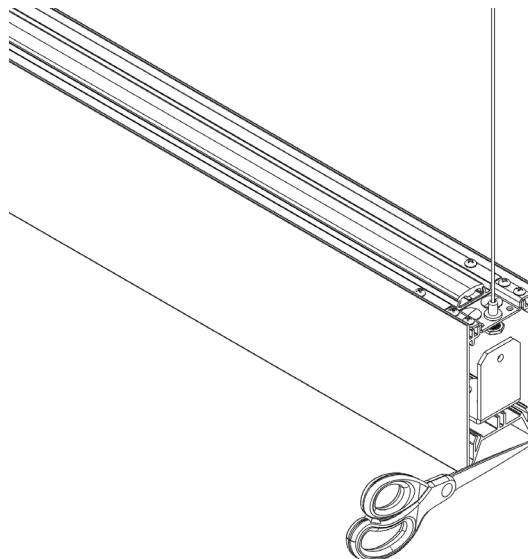
**Step Thirteen:** Beginning at the Starter fixture, slide the roll-in lens into the lens slot at the open end of the fixture run. Continue to slide in until the lens butts up against the far end-cap. (Figure 10)

Figure 10



**Step Fourteen:** Trim the excess lens that remains on the end of the run after the lens is fully engaged with the far end cap. Use scissors butted up to the fixture extrusion to make this cut leaving ~1/8" still protruding from the run. (Figure 11)

Figure 11



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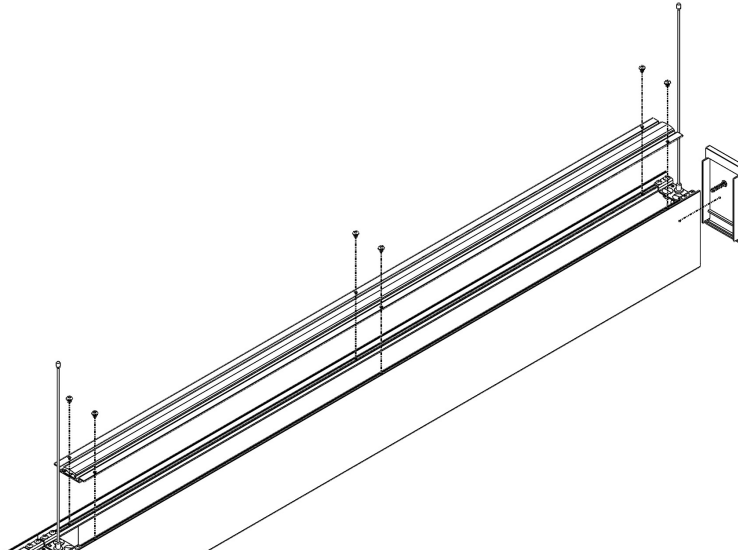


## Row Mount Installation Instructions (Continued)

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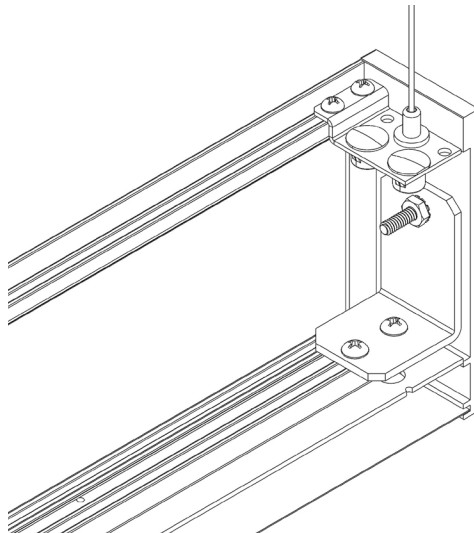
**Step Fifteen:** Remove the top cover on the starter fixture so that you can access the end-caps attachment bracket and stud. (Figure 12).

**Figure 10**



**Step Sixteen:** Install the end-cap on the fixture using the 3/8" socket to tighten the #10-24 nut on the end-cap's bolt feature. (Figure 13)

**Figure 11**



**Step Seventeen:** Reinstall the top cover removed in step 15 and energize the fixture when ready.

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## Suspended Luminaire Installation Instructions

Off-Grid Mounting

### NON FEED CABLE/CANOPY ASSEMBLY

**Step One:** Determine mounting cable spacing centers from factory shop drawing or order processing specification sheet.

**Step Two:** Install 1/4-20 studs projecting from the finished ceiling line 1/2".

**Step Three:** Insert cable supplied in kit through ceiling coupler in kit and attach to 1/4-20 stud securely. Remove threaded canopy support ring from coupler and slide canopy then support ring over cable and up to finished ceiling line. Tighten support ring to locate canopy in place.

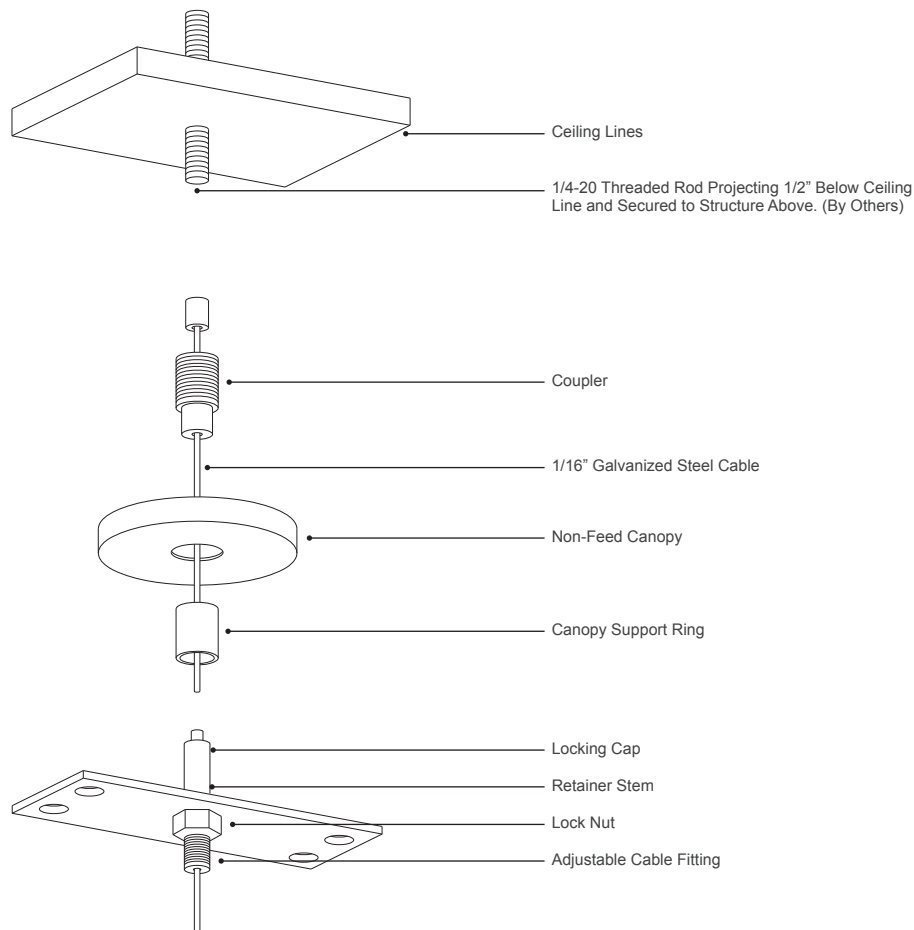
**Step Four:** Raise luminaire to cable assembly and route cable through the center of the adjustable cable fitting loosening the locking cap enough to allow cable to enter fitting. Feed cable through the adjustable fitting until desired mounting height is attained. Luminaire will be retained at the last point of adjustment. Tighten locking cap onto retainer stem.

NOTE: If it becomes necessary to re-adjust luminaire height, loosen locking cap and depress retainer stem while adjusting to desired position.

### WARNING

**BE CERTAIN TO SUPPORT LUMINAIRE INDEPENDENTLY OF CABLES WHEN DEPRESSING RETAINER STEM.**

Figure 14



**SAVE THESE INSTALLATION INSTRUCTIONS**



## Suspended Luminaire Installation Instructions

Off-Grid Mounting

### FEED CABLE/CANOPY ASSEMBLY

**Step One:** Determine mounting cable spacing centers from factory shop drawing or order processing specification sheet and locate a 4" octagonal junction box at location indicated for incoming wire feed point.

**Step Two:**

OPTION 1: Install cross strap support bracket to junction box with screws by others. Be sure junction box can support luminaire/luminaire row in accordance with local codes as illustrated.

OPTION 2: Drill a 5/16" dia hole in the roof of the junction box. Position and secure a 1/4-20 threaded rod (by others) to structural support above so that it passes through the hole drilled in the junction box and extends 1/2" below the finished ceiling line.

**Step Three:** Insert cable supplied in kit through ceiling coupler in kit and attach to 1/4-20 stud securely. Remove threaded canopy support ring from coupler and slide canopy then support ring over cable and up to finished ceiling line. Loosely tighten support ring to locate canopy in place.

**Step Four:** Raise luminaire to cable assembly and route cable through the center of the adjustable cable fitting loosening the locking cap enough to allow cable to enter fitting. Feed cable through the adjustable fitting until desired mounting height is attained. Luminaire will be retained at the last point of adjustment. Tighten locking cap onto retainer stem.

NOTE: If it becomes necessary to re-adjust luminaire height, loosen locking cap and depress retainer stem while adjusting to desired position.

**WARNING**

**BE CERTAIN TO SUPPORT LUMINAIRE INDEPENDENTLY OF CABLES WHEN DEPRESSING RETAINER STEM.**

**Step Five:** Remove canopy support ring and route feed cord from luminaire through grommated hole in canopy and into junction box. Connect feed cord to incoming power feed wires within j-box with appropriate connectors and install cord restraint as illustrated.

**Step Six:** Raise canopy up to finished ceiling line and locate with canopy support ring. Attach supplied tie straps around feed cord and cable at minimum of 36" on center.

ENERGIZE AND CHECK FOR PROPER OPERATION.

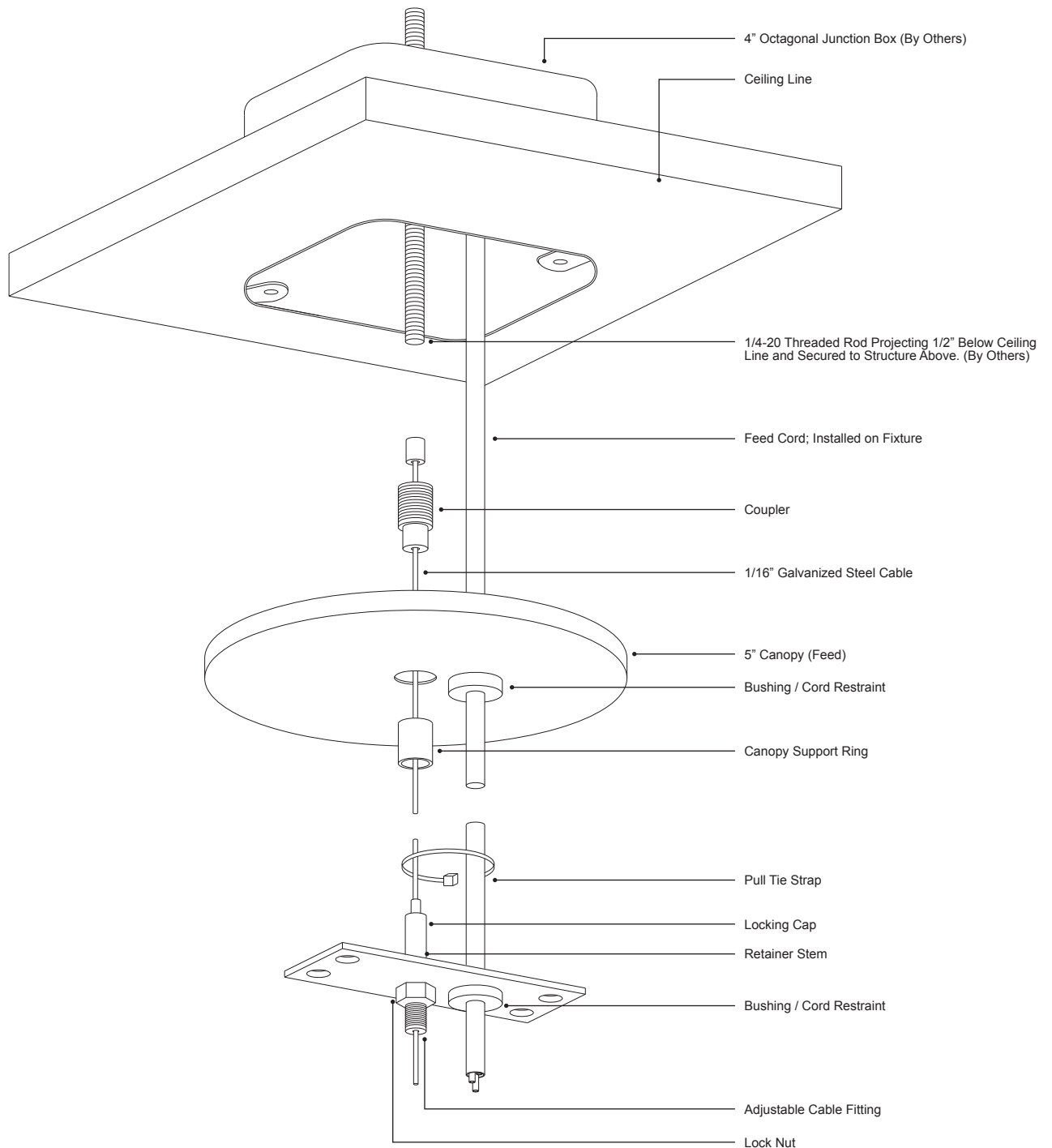
FIGURE 15 ON NEXT PAGE

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## Suspended Luminaire Installation Instructions

Off-Grid Mounting

**Figure 15**



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## Suspended Luminaire Installation Instructions

### On-Grid Mounting

#### NON FEED CABLE/CANOPY ASSEMBLY

**Step One:** Determine mounting centers from factory shop drawing or order processing specification sheet.

**Step Two:** Installation of IDS clip onto T-BAR at appropriate locations. (REF. STEP 1 AND FIG. 16)

A. Assemble 1/4-20 stud and clip. Start stud into recessed square hole, grasp clip in hand and depress TAB A with thumb. Pull stud into place and release TAB A.

B. Separate clip into two parts by bending at TAB B.

C. Place PART X on T-BAR and insert base tab on part into slot. Close PARTS X and Y together locking with TAB C.

**Step Three:** Secure IDS clip to structural support above with minimum #12 gauge support wire in accordance with local codes. (REF FIG. 17)

**Step Four:** Insert cable supplied in kit through ceiling coupler in kit and attach to 1/4-20 stud on IDS clip securely. Remove threaded canopy support ring from coupler and slide canopy then support ring over cable and up to finished ceiling line. Tighten support ring to secure canopy in place.

**Step Five:** Raise luminaire to cable assembly and route cable through the center of the adjustable cable fitting, loosening the locking cap enough to allow cable to enter fitting. Feed cable through the adjustable fitting until desired mounting height is attained. Luminaire will be retained at the last point of adjustment. Tighten locking cap onto retainer stem.

#### WARNING

**BE CERTAIN TO SUPPORT LUMINAIRE INDEPENDENTLY OF CABLES WHEN DEPRESSING RETAINER STEM.**

Figure 16

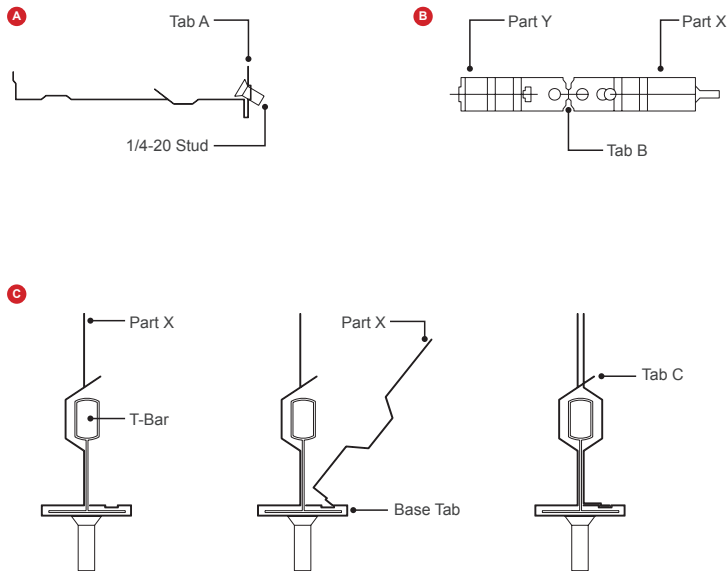
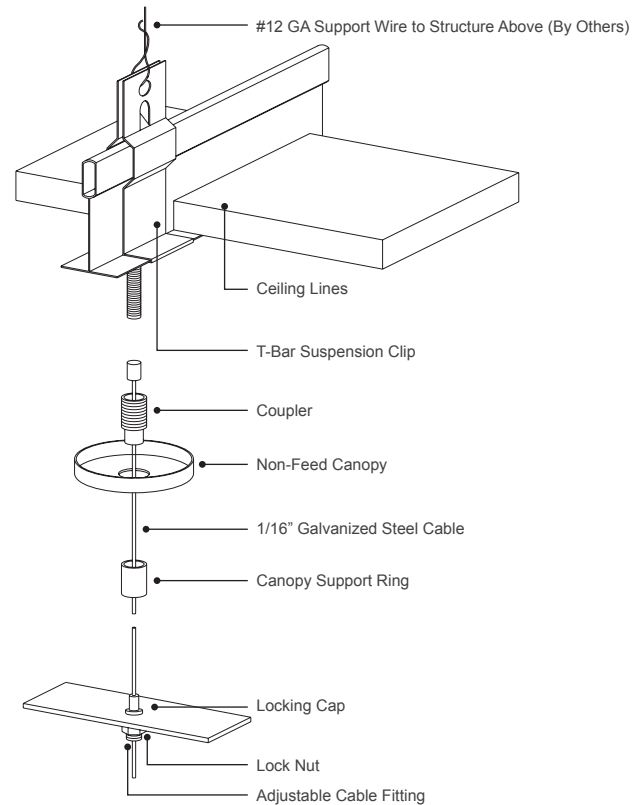


Figure 17



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## Suspended Luminaire Installation Instructions

On-Grid Mounting

### FEED CABLE/CANOPY ASSEMBLY

**Step One:** Determine mounting cable spacing centers from the Fixture Row Layout Pages 5 - 7.

**Step Two:** Install 4" Drop Ceiling Junction Box (by others) over T-BAR (by others). Align the bottom edge of the Junction Box with the ceiling. Connect the conduit from the building power to the Junction Box. Attach the Cross Bar to the Junction Box.

**Step Three:** Insert the 1/16" steel cable supplied in the kit through the Coupler in the kit. Remove threaded Canopy Support Ring from Coupler. Attach Coupler to 1/4"-20 stud on Cross Bar securely.

**Step Four:** Remove the threaded Canopy Support Ring from Coupler. Slide 5" Canopy then Support Ring over the Coupler up to finished ceiling line. Tighten support ring to locate canopy in place.

**Step Five:** Raise luminaire to mounting/feed assembly and route the 1/16" steel cable through the center of the Adjustable Cable Gripper fitting loosening the locking cap enough to allow the 1/16" steel cable to enter fitting. Feed the 1/16" steel cable through the Adjustable Cable Gripper fitting until the desired mounting height is attained. The luminaire will be retained at the last point of adjustment. Tighten Locking Cap onto retainer stem.

NOTE: If it becomes necessary to re-adjust luminaire height, loosen locking cap, and depress retainer stem while adjusting to the desired position.

### **WARNING**

**BE CERTAIN TO SUPPORT LUMINAIRE INDEPENDENTLY OF CABLES WHEN DEPRESSING RETAINER STEM.**

**Step Six:** SJT Cord comes installed on Fixture from the factory. Route feed power cord(s) from luminaire through the hole(s) in the canopy. Make wire connections within Junction Box with appropriate connectors and install Strain Relief as illustrated. Attach supplied tie straps around feed cord and cable at a minimum of 12" on center.

ENERGIZE AND CHECK FOR PROPER OPERATION.

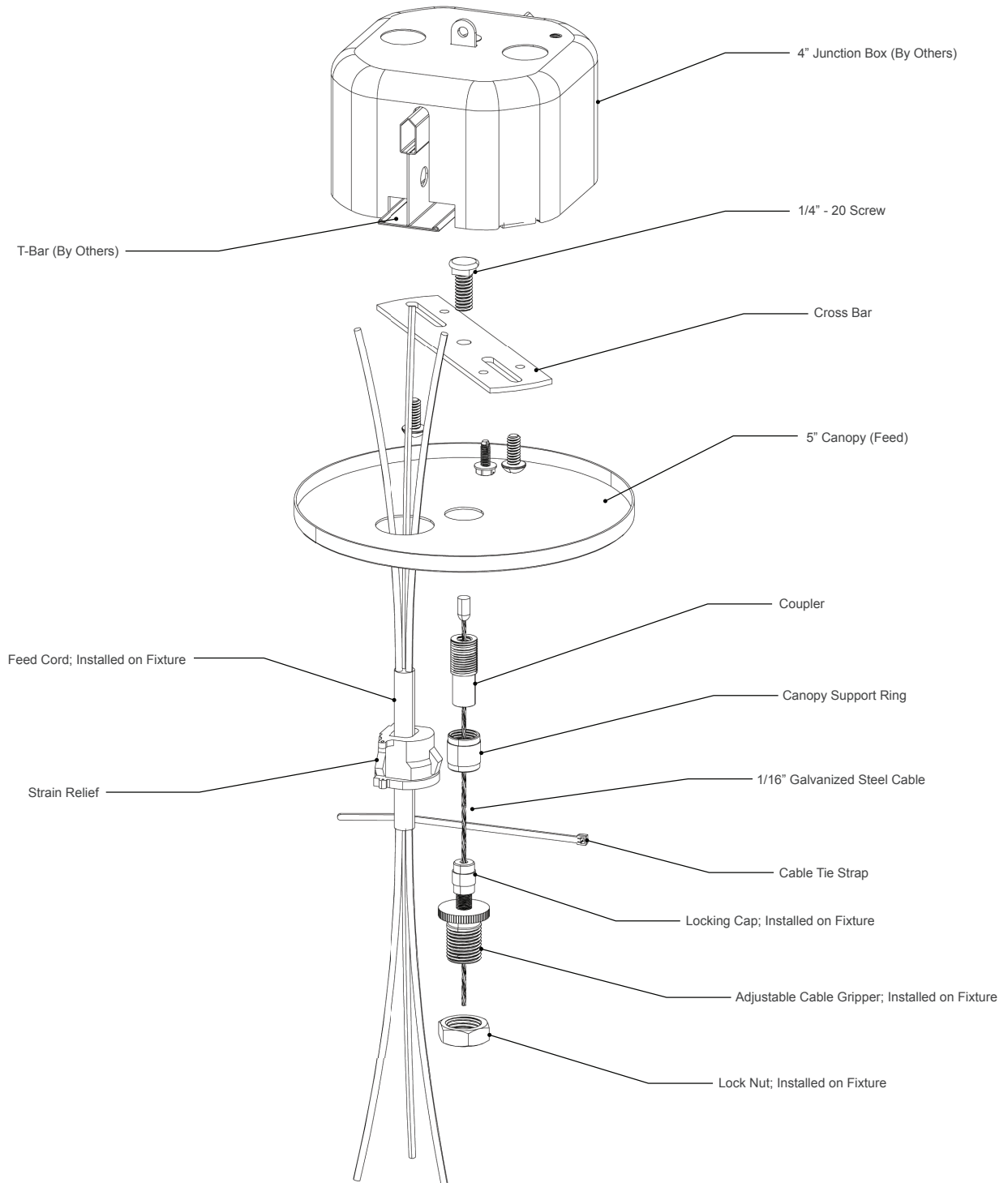
FIGURE 18 ON NEXT PAGE

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## Suspended Luminaire Installation Instructions

On-Grid Mounting

**Figure 18**



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