

# Installation Instructions

Luminaires must be installed by a qualified electrician. Check with local and national codes for proper installation.

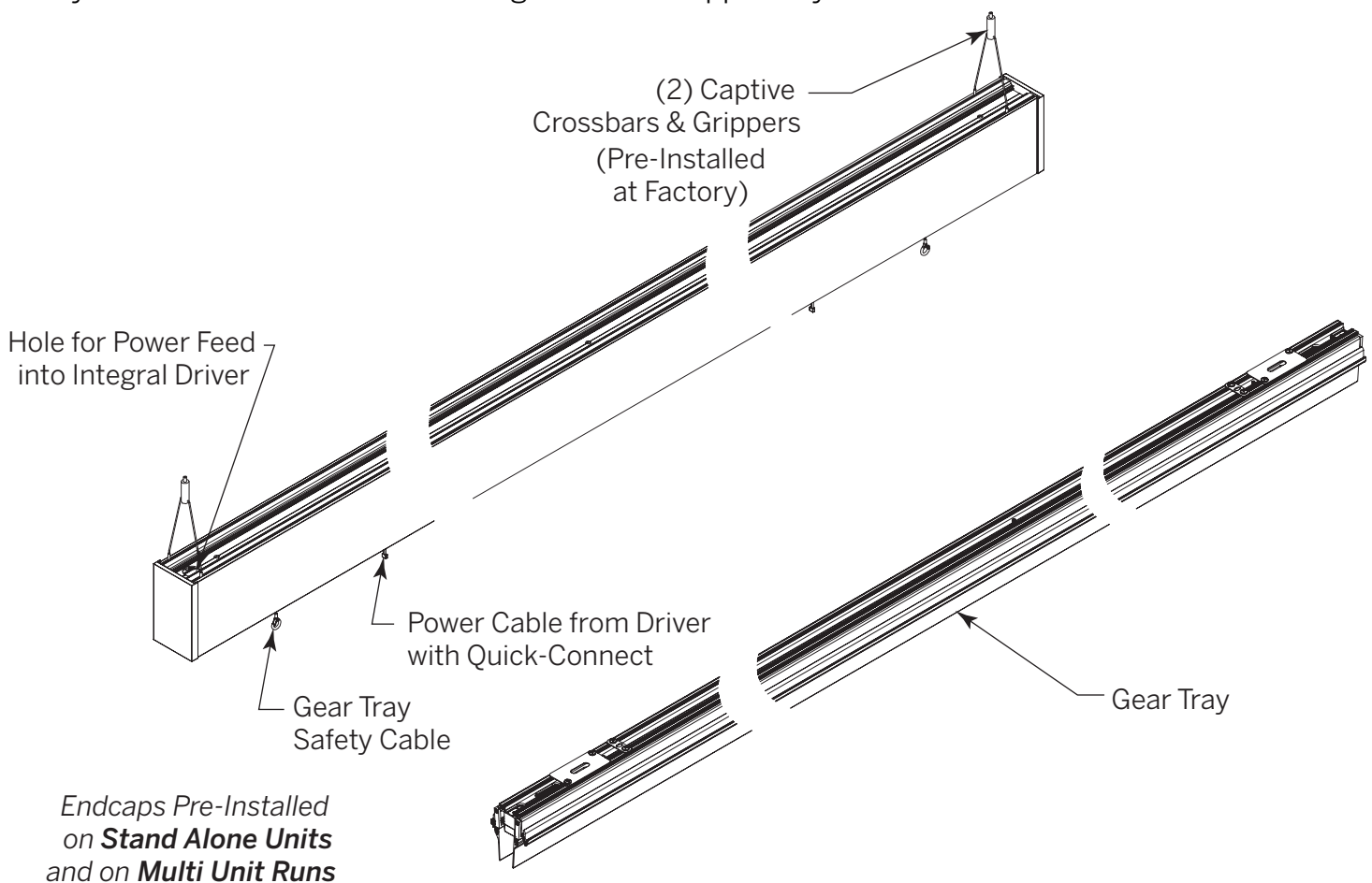


To prevent electrical shock disconnect electrical supply before installation or servicing.  
**Never connect a live fixture!!!**

Contractor is responsible for adequately reinforcing walls and/or ceilings to support fixture weight. Provide blocking when necessary.

## Step 1 - **Open the Box**

Unpack luminaire unit. Unit consists of (4) major parts: Housing, Gear Tray with Reflectors, Luminaire with Louvers, and Suspension Hardware. Unit ships in two parts - Housing and Gear Tray with removable Luminaire. Integral Drivers supplied by Inter-lux.



See Next Page for  
Suspension Hardware  
Contents

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Step 1 - **Open the Box** (continued)

A **Stand Alone Unit**, as well as the **Starting Unit** in a *Multi Unit Run*, is supplied with (2) Suspension Kits. One is the Standard Feed Kit and the other is the Non-Feed Kit. Each **Middle** and **Ending Unit** is supplied with a Non-Feed Kit (unless the run is long enough to require additional Drivers and Feeds.)

The Standard Feed Kit incorporates a canopy sized for a suspension cable and a power feed. The Non-Feed Kit has the suspension cable only. Both contain hardware to install Fixture to different types of ceilings. The contents of each Kit follows below:

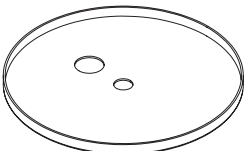
inter•lux

820-10740 (4')

or

820-10742 (8')

Standard Feed Kit



Ø5" Canopy

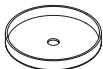
inter•lux

820-10741 (4')

or

820-10743 (8')

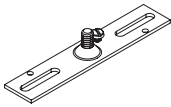
Non-Feed Kit



Ø2" Canopy



Strain Relief  
(shown closed)



Canopy  
Crossbar



Slotted  
Cable Coupler



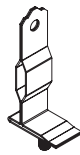
50" or 100"  
Suspension  
Cable with  
Crimp



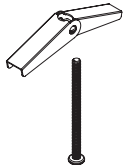
(4) 4" Cable Ties



Plastic Self-Drilling  
Drywall Anchor  
with Screw



Grid Ceiling  
Clip Mount



Toggle Wing  
Anchor and Bolt



50" or 100"  
Suspension  
Cable with  
Crimp



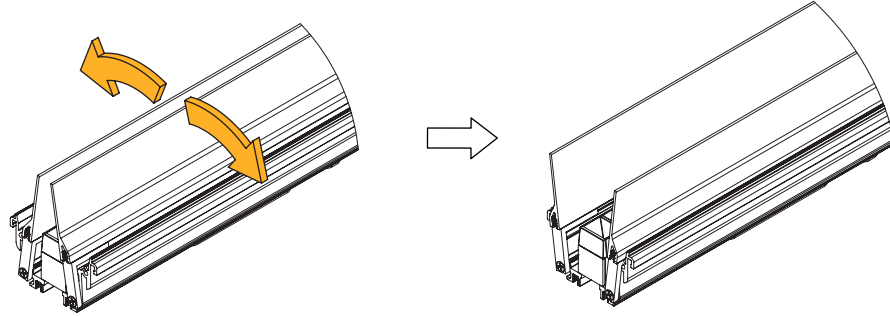
Slotted  
Cable Coupler



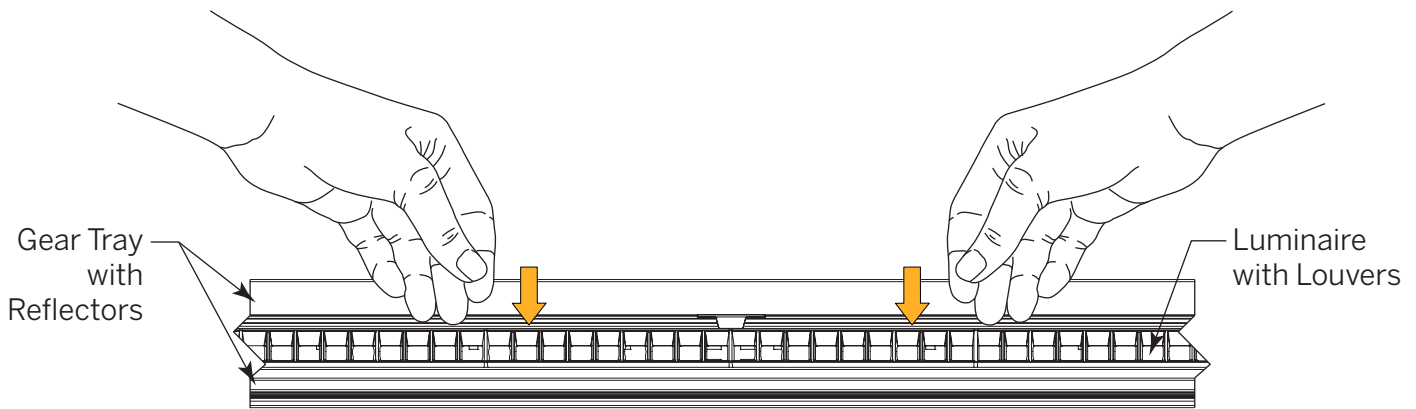
## Step 2 - **Remove Luminaire Insert from Gear Tray**

Luminaire Insert and Gear Tray is shipped as an assembly. Luminaire Insert is secured to Gear Tray by Surface Mount Clips.

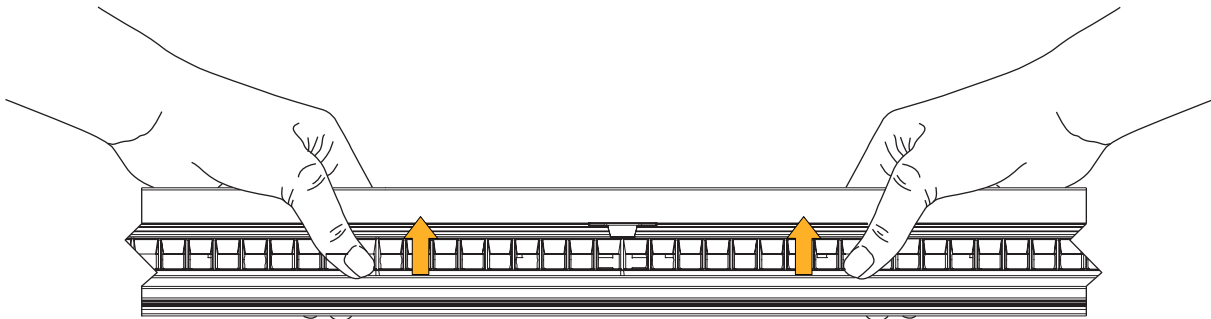
- a** Spread Reflectors apart.



- b** Insert fingers in between Louvers and *back* Reflector, as shown, and *pull towards you* along the length of the Gear Tray. This will loosen the back edge of Luminaire Insert.



- c** Insert thumbs in between Louvers and *front* Reflector, as shown, and *push away from you* along the length of the Gear Tray. This will loosen the front edge of Luminaire Insert.

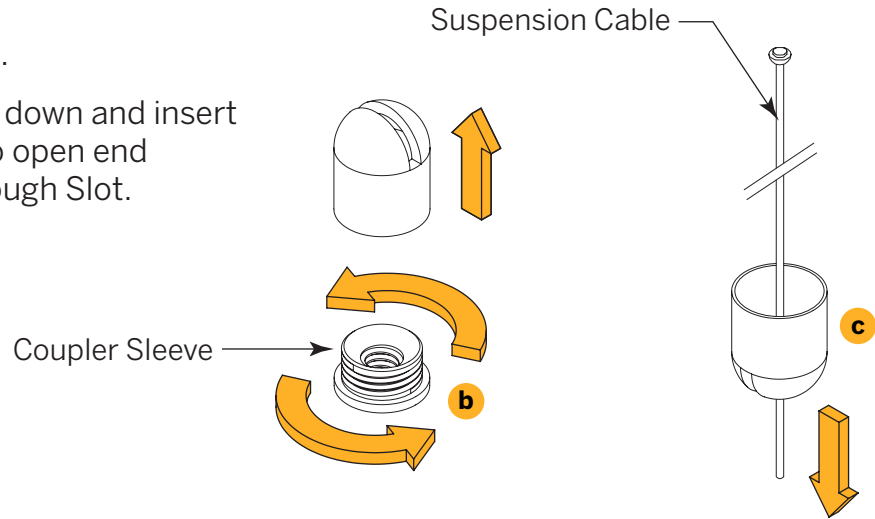


- d** Lift Luminaire Insert with Louvers up and out of Gear Tray. Set Aside.

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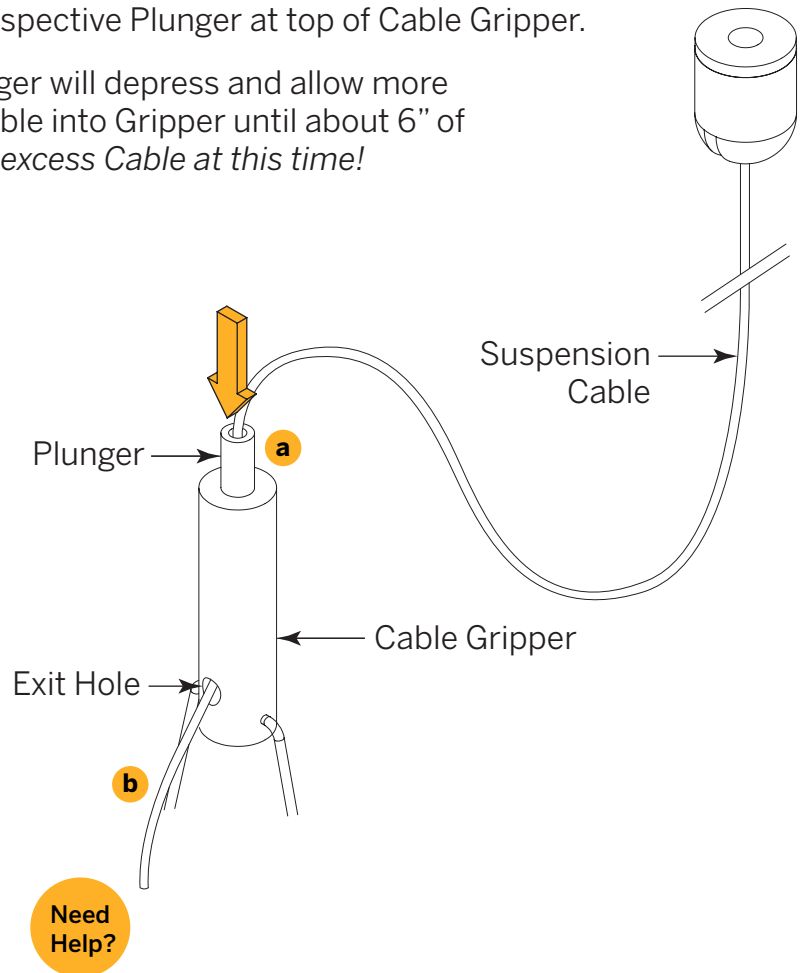
### Step 3 - *Insert Feed/Suspension Cable into Slotted Cable Coupler*

- a** Locate Slotted Cable Coupler.
- b** Unscrew Couple Sleeve. Set Aside.
- c** Turn domed half of Couple upside down and insert Free End of Suspension Cable into open end as shown, and pull Cable fully through Slot.
- d** Rescrew lower portion of Coupler.



### Step 4 - *Join Suspension Cables to Cable Grippers*

- a** Insert end of each Suspension Cable into respective Plunger at top of Cable Gripper.
- b** Push Cable further into Cable Gripper. Plunger will depress and allow more Cable to pass through. Continue to feed Cable into Gripper until about 6" of Cable extends out of Exit Hole. **Do not trim excess Cable at this time!**

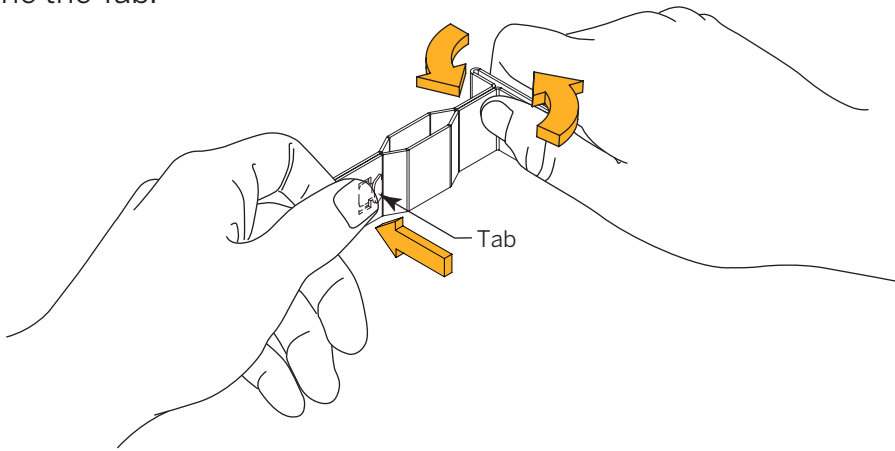
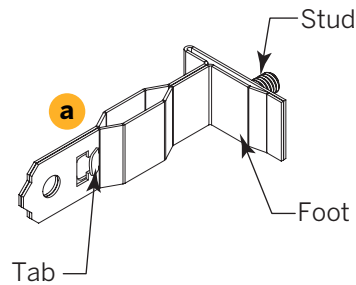


Step 5 - **Hang Housing** (continued)

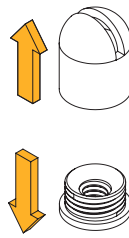
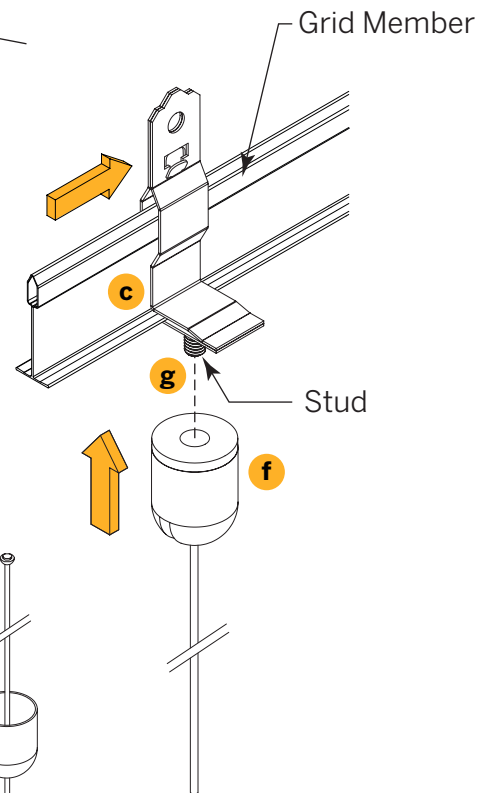
- 2** For Non-Feed Suspension Point  
**Stand Alone Unit** or **Start Unit**  
on Multi Unit Run

For Grid Ceiling

- a** Locate Grid Ceiling Clip Mount.
- b** To open Clip, hold in both hands as shown below. Using right index finger as a fulcrum, bend Foot while lightly pressing on the Tab. This will slide the closest half of the clip rightward and release the Tab.



- c** Slide Bracket onto Grid Member with the T-Bar inserted through the Foot and Bulb between the two halves. Snap halves back together.
- d** Locate Slotted Cable Coupler. Unscrew Coupler Sleeve. Set aside.
- e** Insert plain end of Suspension Cable into domed half of Cable Coupler and through Slot.
- f** Rescrew domed Coupler half to Sleeve.
- g** Screw Cable Coupler to Stud.



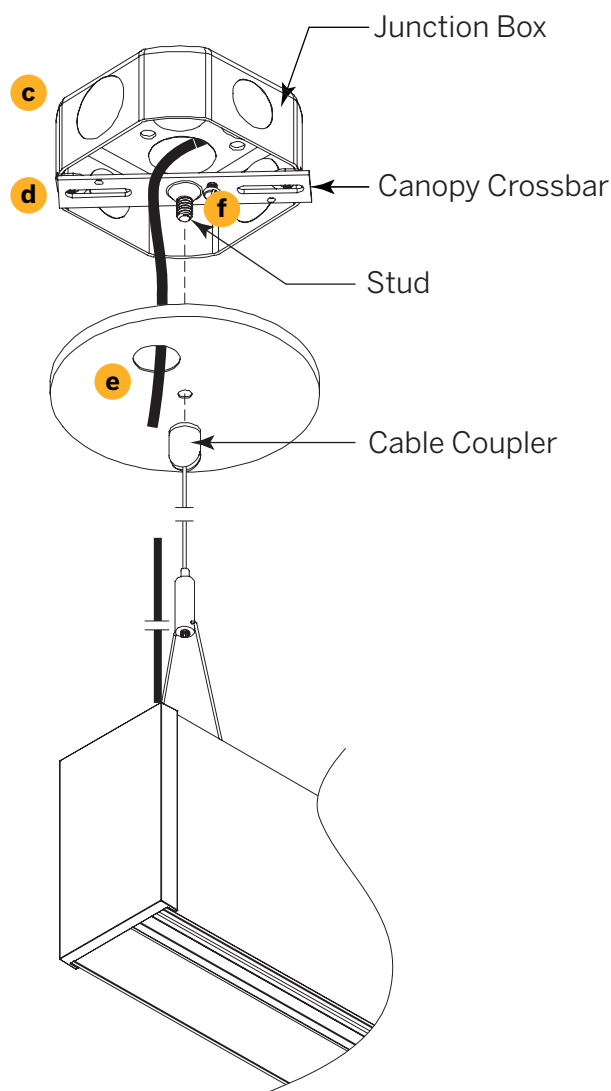
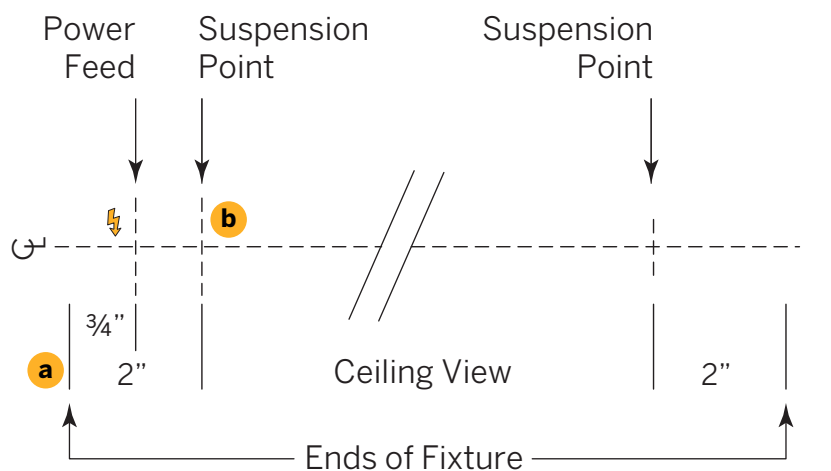
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Help?

d

e

Step 5 - **Hang Housing**

- 1** For Power Feed Suspension Point **Stand Alone Unit** or **Start Unit** on Multi Unit Run
- a** Mark ceiling where Fixture is to begin. Typically, this is the end of the Fixture where the Power Feed will enter.
- b** Locate Junction Box such that center of J-Box (the Suspension Point) will be 2" from end of Fixture.
- c** Install Junction Box and pull Power Feed into Box.
- d** Mount Canopy Crossbar onto Junction Box using appropriate screws (supplied by others). Stud points downwards.
- e** Locate 5" Canopy. Pull Incoming Power Feed through large hole, and place Canopy onto Stud through small hole.
- f** With an assistant, raise Suspension Cable and Slotted Cable Coupler to Stud. Fasten Coupler to Stud.

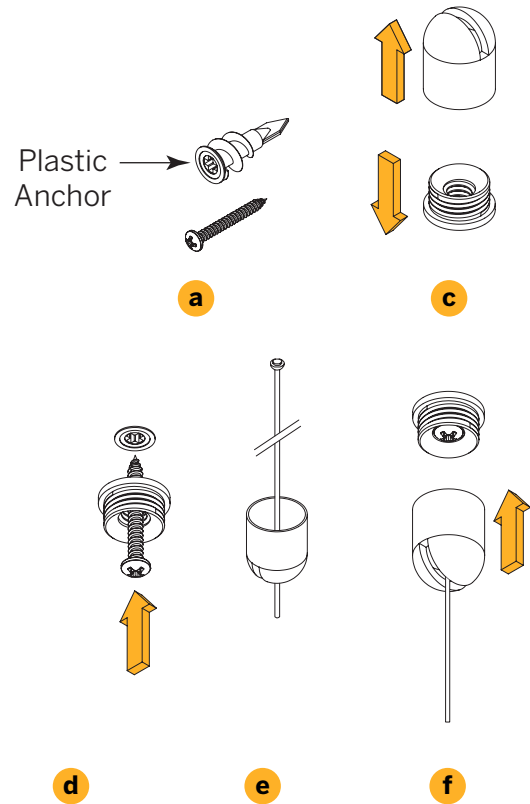


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Step 5 - **Hang Housing** (continued)

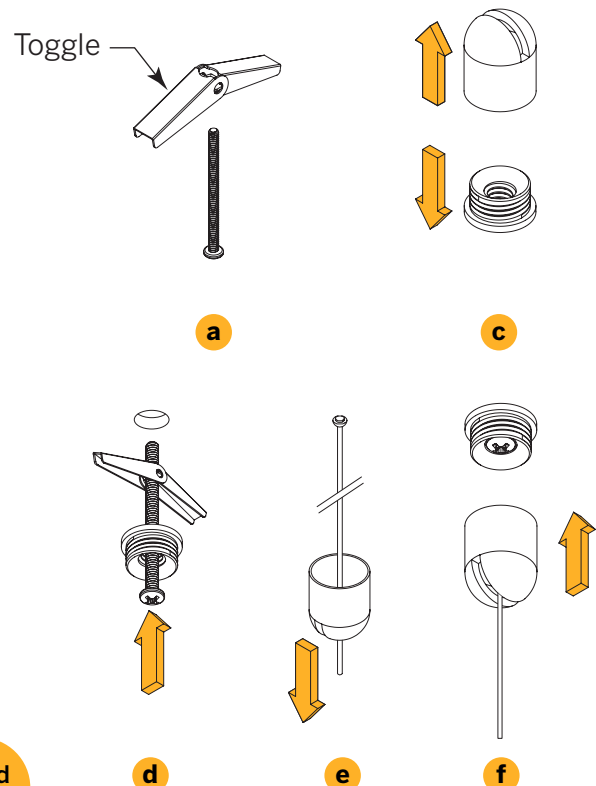
- 2** For Non-Feed Suspension Point  
**Stand Alone Unit** or **Start Unit**  
on Multi Unit Run  
For Drywall Ceiling

- a** Locate Plastic Screw-in Anchor and Screw.
- b** Screw in Plastic Anchor at mark for Non-Feed Suspension (see illustration at top of page in Part 1).
- c** Locate Slotted Cable Coupler. Unscrew Coupler Sleeve. Set upper domed portion aside.
- d** Insert Screw through Coupler Sleeve, and then into Plastic Anchor in ceiling.
- e** Insert plain end of Suspension Cable into domed half of Cable Coupler and through Slot.
- f** Fasten Coupler Sleeve to ceiling. Rescrew Upper Coupler to Sleeve.



## For Hard Ceiling

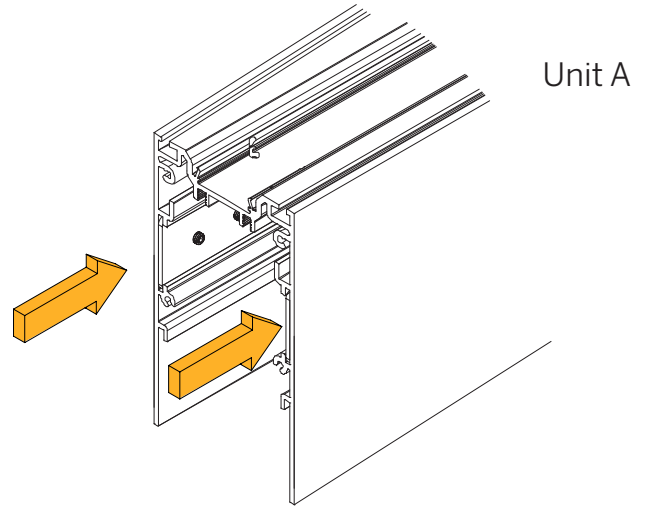
- a** Locate Toggle Wing Anchor and Bolt.
- b** Drill hole sized for Toggle at mark for Non-Feed Suspension (see illustration at top of page in Part 1).
- c** Locate Slotted Cable Coupler. Unscrew Coupler Sleeve. Set upper domed portion aside.
- d** Insert Bolt through Coupler Sleeve and into Toggle. Insert Toggle into drilled hole.
- e** Insert plain end of Suspension Cable into domed half of Cable Coupler and through Slot.
- f** Fasten Coupler Sleeve to ceiling. Rescrew domed Couple half to Sleeve.



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### Step 6 - **Install Joiners** - Multi Unit Run only

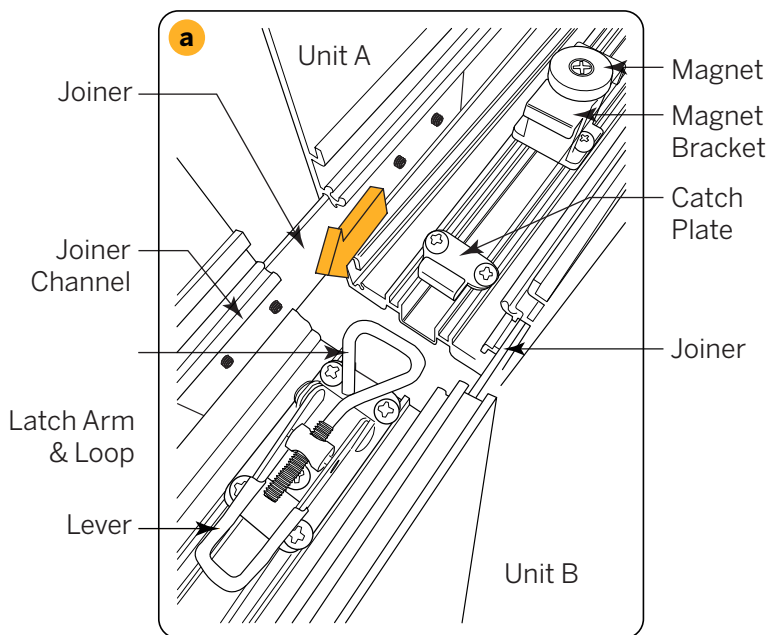
With Starting Unit fully suspended, slide a Joiner on end opposite End Cap completely into each interior channel on each side of Housing, as shown. **Do not** fasten Joiner to Housing at this time.



### Step 7 - **Hang Middle or Ending Housing** - Multi Unit Run only

Adjoining Units are suspended by Non-Feed Suspension Kits unless addition Feed points are required. Follow instructions for Hanging Housings in Step 5, Part 2 for Non-Feed Suspension Kits. Repeat **Step 6** for each Middle Unit.

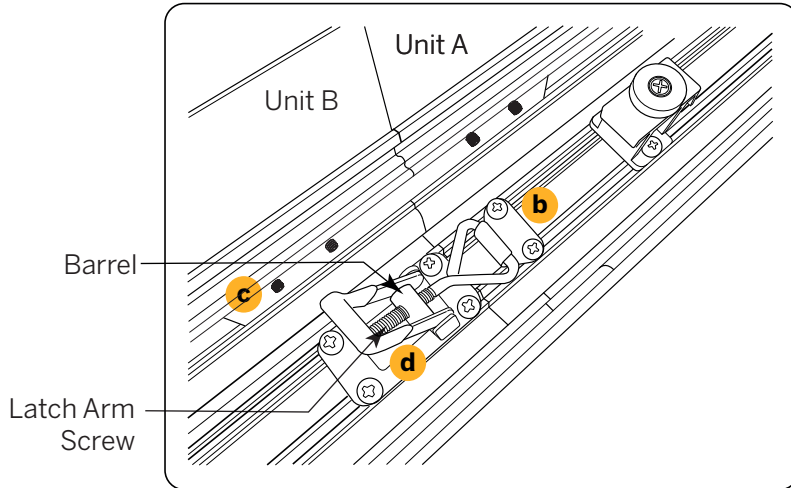
### Step 8 - **Joining Units** - Multi Unit Run only



- a** Level all Housings in Run.
- b** Slide Joiners of Starting Unit (Unit A) into matching Channels of adjacent unit (Unit B).
- c** Draw units completely together. Hook Latch Arm & Loop over Catch Plate. Adjust length of Latch Arm by rotating Latch Arm Screw through Barrel.
- d** Press Lever fully down to lock.

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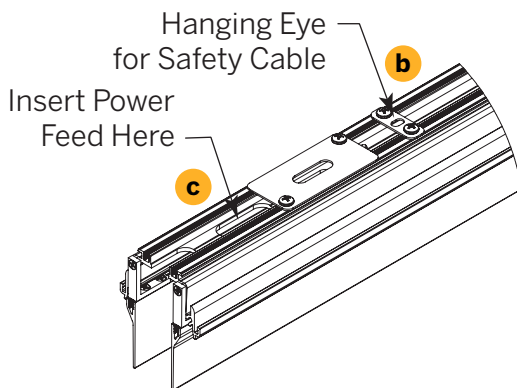


Step 8 - **Joining Units** (continued)

- e** Center each Joiner on Housing Joint.
- f** Tighten all Set Screws on both Joiners. **Do not** overtighten. Overtightening risks deforming Housing surface.
- g** Repeat Step 8 for each Middle Unit and/or Ending Unit.
- h** Trim excess Suspension Cable exiting from each Gripper.

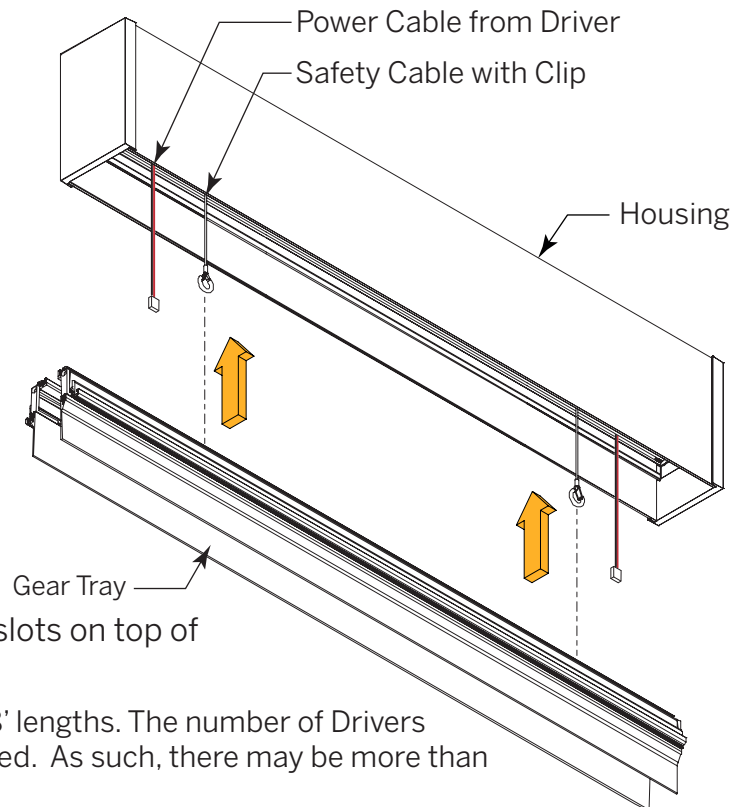
Step 9 - **Hang Gear Tray(s)**

- a** Clip Safety Cables to Hanging Eyes at each end of Gear Tray.
- b** Locate Safety Cables and Power Cable(s) from Driver(s) inside Housing.



- c** Insert Power Cable(s) from Driver(s) into oblong slots on top of Gear Tray.

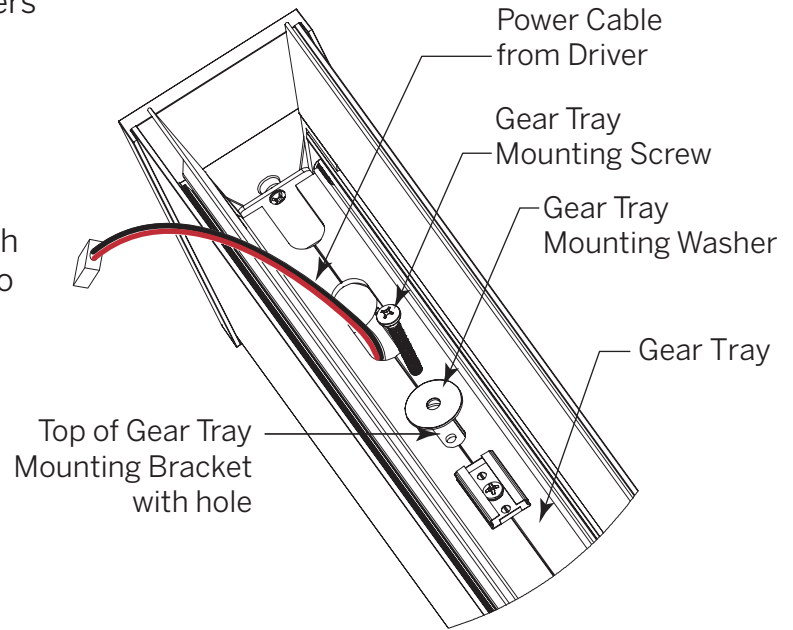
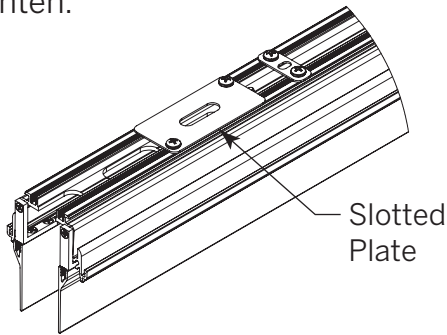
**NOTE:** The STUDIO fixture is available in 2', 4', 6', and 8' lengths. The number of Drivers depends on length of Fixture and Power Levels specified. As such, there may be more than one Driver and Luminaire Power Cable.



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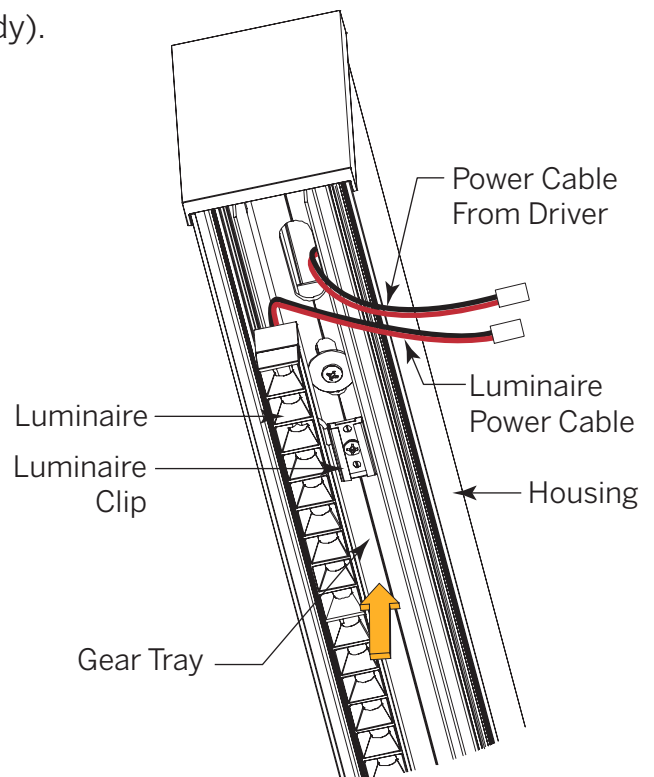
### Step 10 - *Install Gear Tray into Housing*

- a** Locate Gear Tray Mounting Screws and Washers
- b** Lift Gear Tray up. Align the Slotted Plates with the holes in the Gear Tray Mounting Brackets in the Housing (See Step 2). Inter-lux recommends a second person assist.
- c** Fasten Mounting Screws with Washers through small Slots in Gear Tray and Slotted Plates into threaded holes in Gear Tray Brackets. Do not overtighten.



### Step 11- *Re-install Luminaire Insert into Gear Tray*

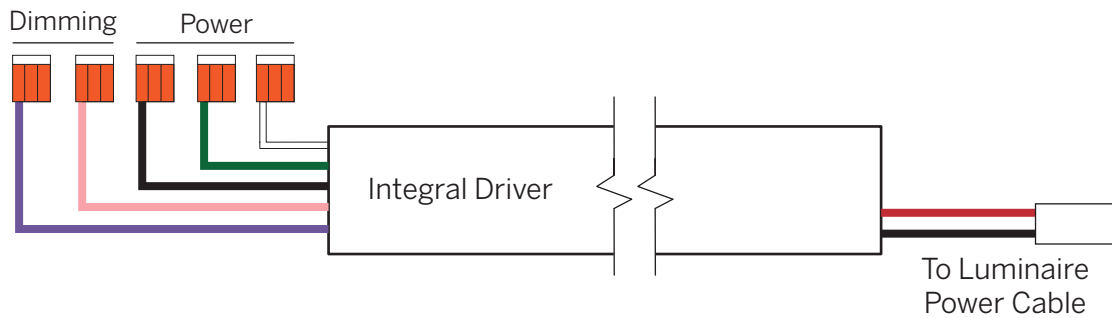
- a** Spread Gear Tray Reflectors apart (if they aren't already).
- b** Connect Power Cable from Luminaire to Power Cable from Driver.
- c** Raise Luminaire Insert and push into Clips on bottom of Gear Tray. Luminaire seats on Gear Tray with a 'click.'



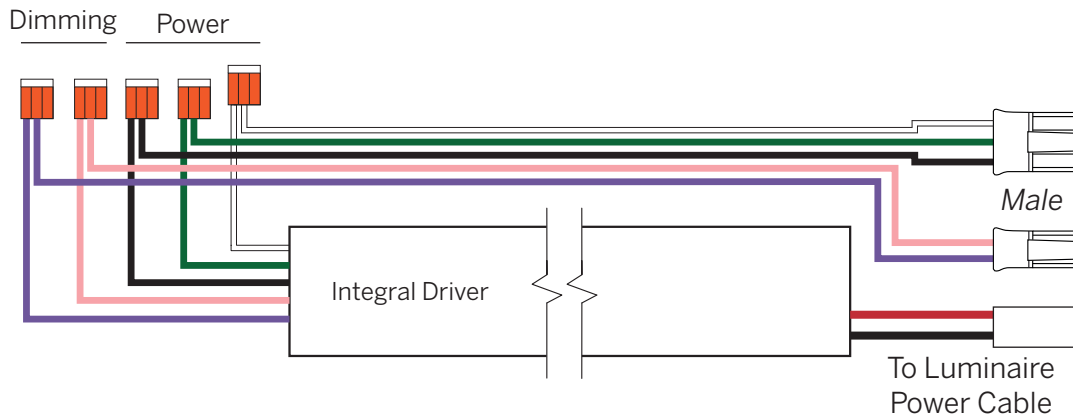
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Step 12 - **Wiring***Stand Alone Unit or Starting Unit in Multi Unit Run***Stand Alone Unit**

Five wires extend from Integral Driver on the Gear Tray and terminate with Wago™ Connectors. Connect these wires to incoming Power Feed.

**Multi Unit Run - Start Unit**

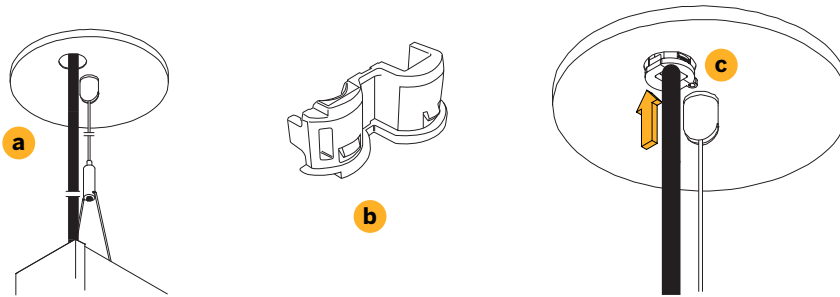
Five wires extend from Integral Driver on the Gear Tray and terminate with three pole Wago™ Connectors. Connect these wires to the Power Feed. To connect to the next unit in Run, a second set of wires connect to a pair Wago™ Luminaire Quick Connects.



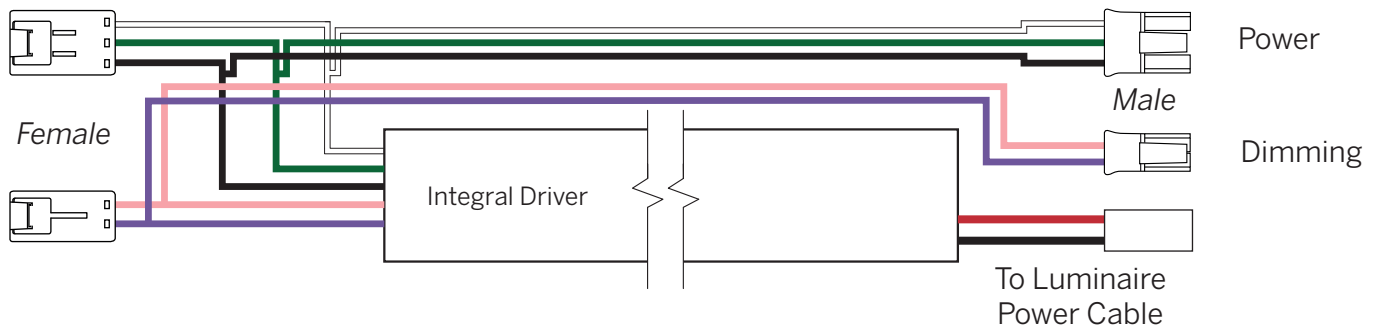
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Step 12 - **Wiring** (continued)

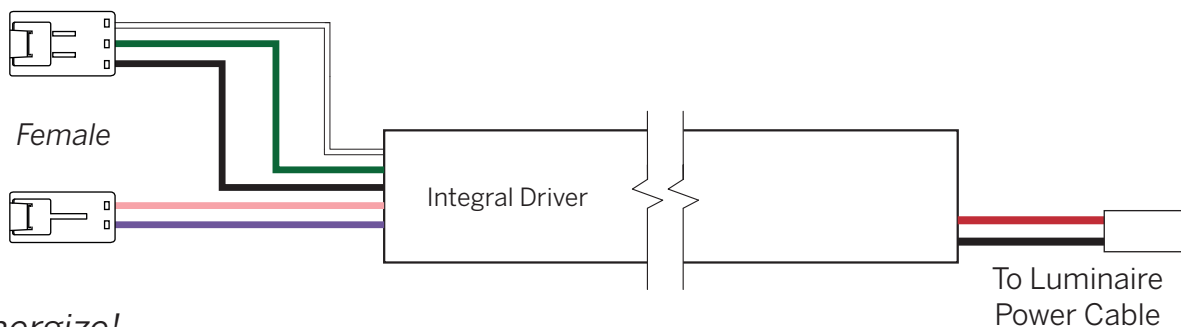
- a** As each incoming conductor is connected to its corresponding Wago™, push it into the large hole in the 5" Canopy.
- b** Locate Strain Relief.
- c** Close Strain Relief around Power Feed and insert into large hole.
- d** Use the 4" Cable Ties to bind the Power Feed to the Suspension Cable.

**Multi Unit Run - Middle Unit(s)**

There are no wires that connect to the Power Feed (except if Middle Unit contains a pair of Drivers). To connect to the previous and the next units in Run, there are two pairs of Wago™ Luminaire Quick Connects on either side of the of the Integral Driver .

**Multi Unit Run - End Unit**

The Integral Driver on the Gear Tray of the End Unit terminates with one pair of Wago™ Quick Connectors.

**e** Energize!Need  
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