

100 Linear

WG-100LDL-S48
WG-100LDL-S96
WG-100LDL-SXX

Downlight

Suspended

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.

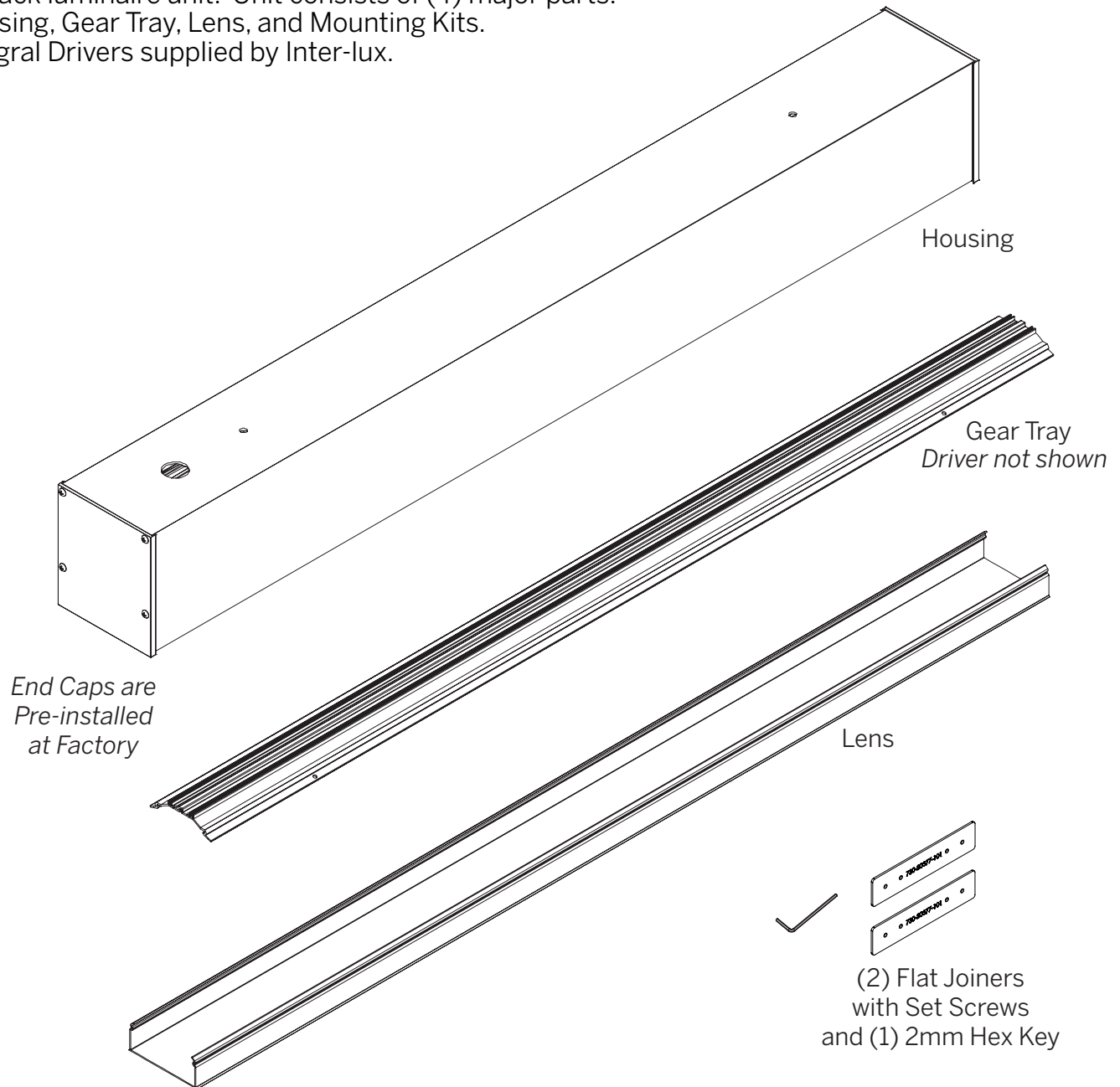
Input Voltage 120-277V only!

Never connect a fixture to a live driver!!!

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, Lens, and Mounting Kits. Integral Drivers supplied by Inter-lux.



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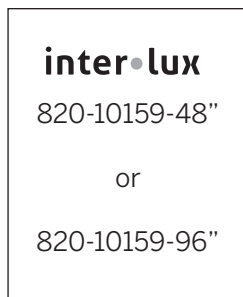
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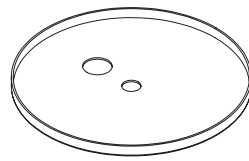
Step 1 - **Open the Box** (continued)

A *Stand Alone Unit*, as well as the *Starting Unit* in a *Multi Unit Run*, is supplied with (2) Suspension Kits: (1) **Standard Feed Kit** and (1) **Non-Feed Kit**. Each *Middle* and *Ending Unit* is supplied with (1) Non-Feed Suspension Kit (unless the run is long enough to require additional Drivers and Feeds.)

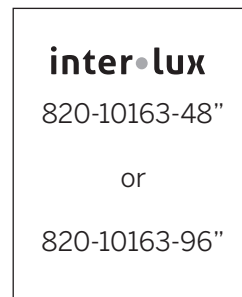
The Standard Feed Kit incorporates hardware for a Suspension Point and a Power Feed. The Non-Feed Kit has hardware for a Suspension Point only. In both, the hardware included covers installation in different types of ceilings. The contents of each Kit follows below:



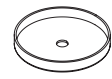
*Standard Feed Kit
For Suspension Point
+ Power Feed*



Ø5" Canopy



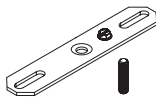
*Non-Feed Kit
For Suspension
Point only*



Ø2" Canopy



(2) Strain Reliefs
shown closed



(1) Canopy
Crossbar
with
1" Stud



(1) Slotted
Cable Coupler
Assembly



50" or 100"
Suspension
Cable with
Crimp



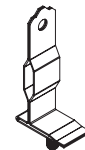
(1) Gripper
with supplied
Mounting
Screw



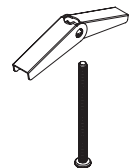
(4) 4" Cable Ties



(1) Plastic
Self-Drilling
Drywall Anchor
with Screw



(1) Grid Ceiling
Clip Mount



(1) Toggle Wing
Anchor and Bolt



50" or 100"
Suspension
Cable with
Crimp



(1) Gripper
with supplied
Mounting
Screw



(1) Slotted
Cable Coupler
Assembly

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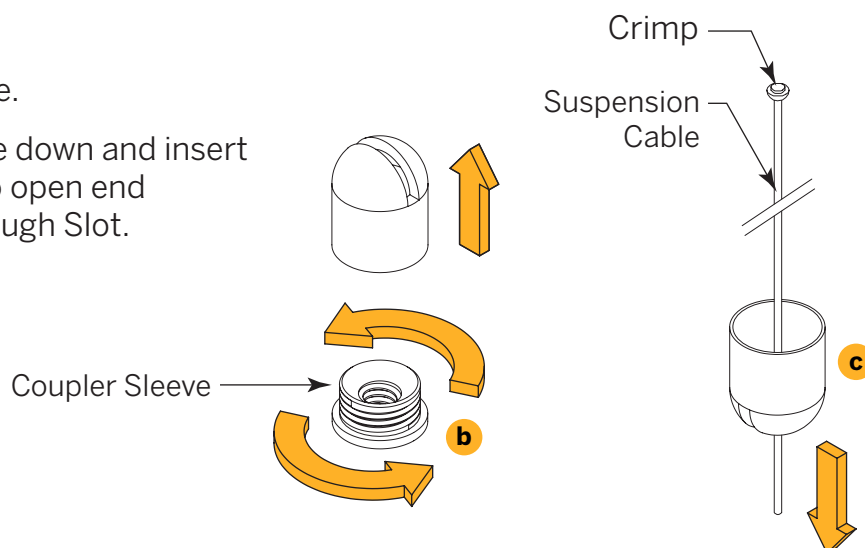
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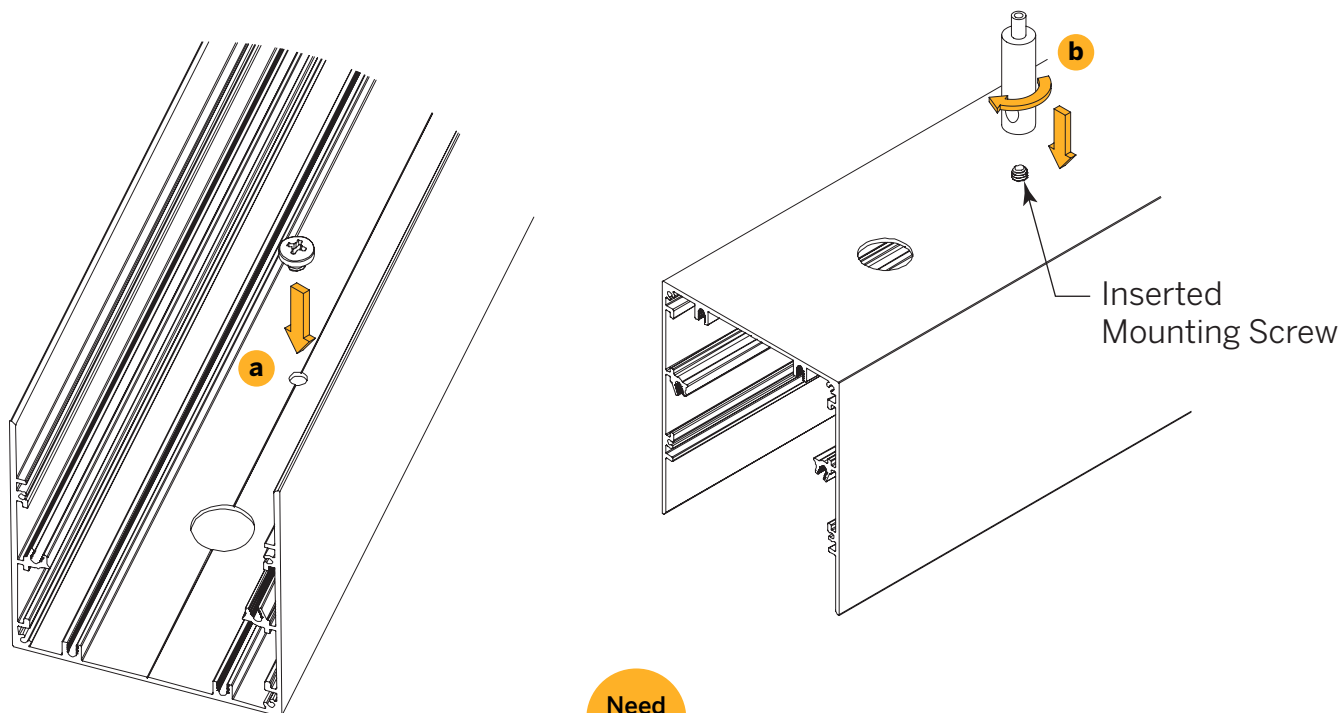
Step 2 - *Assemble Suspension Point*

- a** Locate Slotted Cable Coupler.
- b** Unscrew Coupler Sleeve. Set Aside.
- c** Turn domed half of Coupler 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 3 - *Install Grippers to Housing(s)*

- a** Insert supplied Gripper Mounting Screw into Mounting Hole from inside Housing.
- b** Turn over Housing. Fasten Gripper to Mounting Screw.



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Step 4 - *Installation Prep*

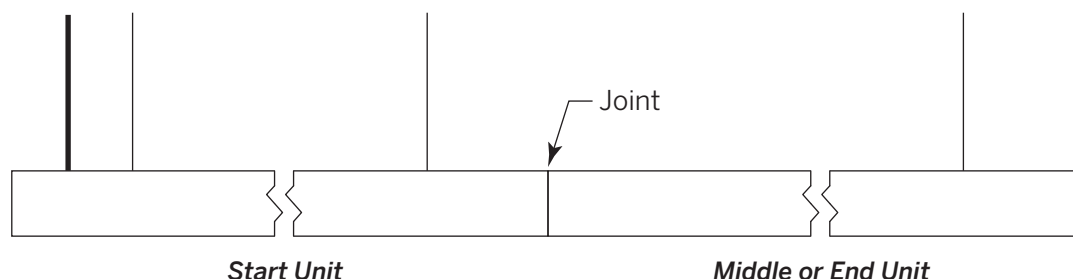
Note the difference between hanging a *single* **Stand Alone Unit/Start Unit** of a Multi Unit Run and the **Middle** and **End** units in the same Run.

Stand Alone Unit/Start Unit Multi Unit Run



There are always (2) Suspension Cables and (1) Power Feed Cable.

Middle and End Units Multi Unit Run

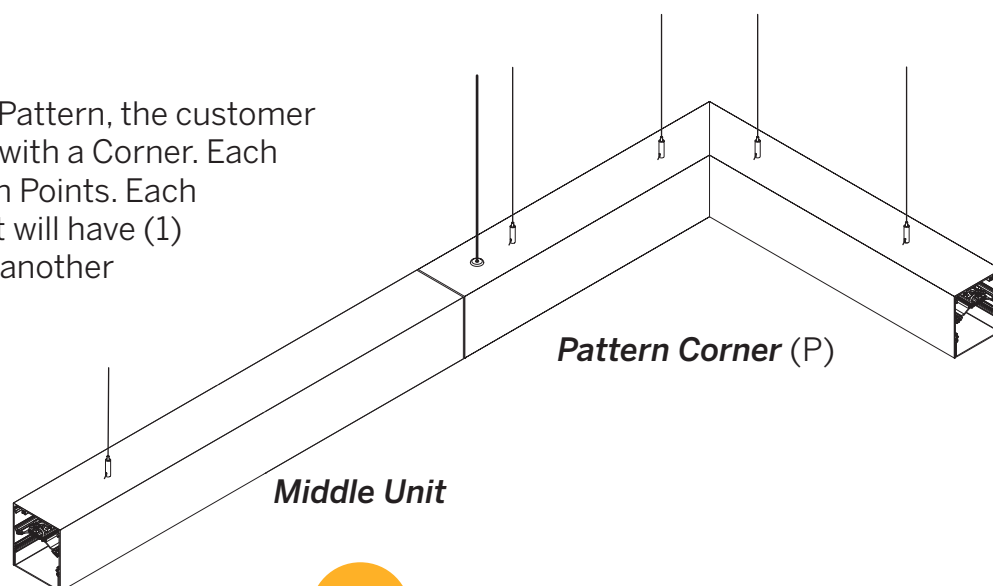


The Start Unit is as above, but Middle Unit(s) and End Unit have only (1) Suspension Cable located at the far end, opposite the Joint. An exception is if the Run is long enough to require additional Drivers. Each additional Driver requires its own Power Feed.

Corner Unit

Similarly, when hanging a Pattern, the customer may find it easier starting with a Corner. Each Corner has (4) Suspension Points. Each additional non-Corner unit will have (1) Suspension Cable, unless another Power Feed is required.

The Pattern Corner (P) is welded at the factory.



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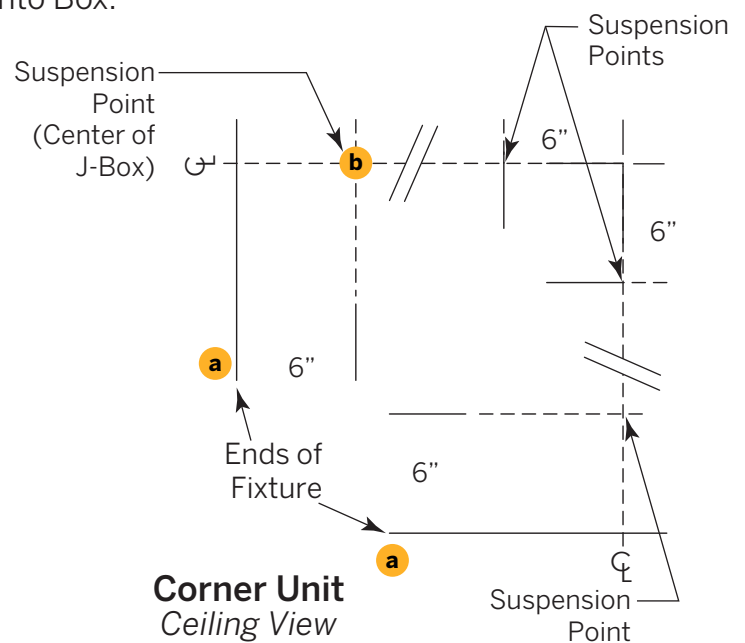
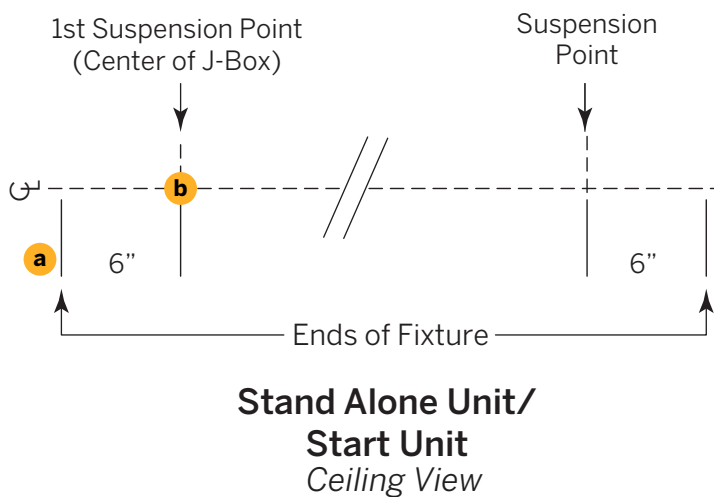
Step 5 - **Mark Ceiling & Install Junction Box**

Stand Alone Unit

Start Unit on Multi Unit Run

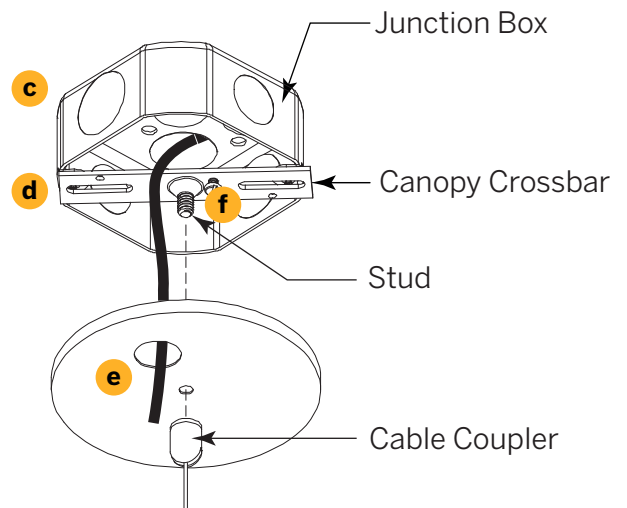
Corner Unit on Pattern

- 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 box (the Suspension Point) will be 6" from end of Fixture.
- c** Install Junction Box and pull incoming Power Feed into Box.



Step 6 - **Install Suspension Point at Junction Box**

- a** Locate remaining hardware in Standard Feed Kit.
- b** Mount Canopy Crossbar onto Junction Box using appropriate screws (supplied by others). Stud points downwards.
- c** Locate 5" Canopy. Pull Incoming Power Feed through large hole, and place Canopy onto Stud through small hole.
- d** With an assistant, raise Suspension Cable and Slotted Cable Coupler to Stud. Fasten Coupler to Stud.



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Step 7 - *Install Non-Feed Suspension Point(s)*

Stand Alone Unit

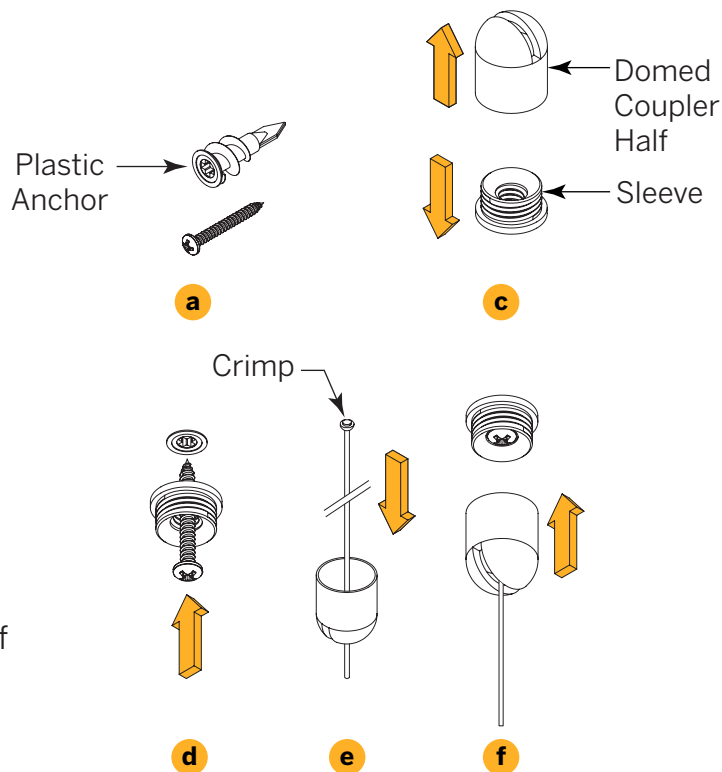
Start Unit on Multi Unit Run

Middle or **End Unit**

Corner Unit on Pattern

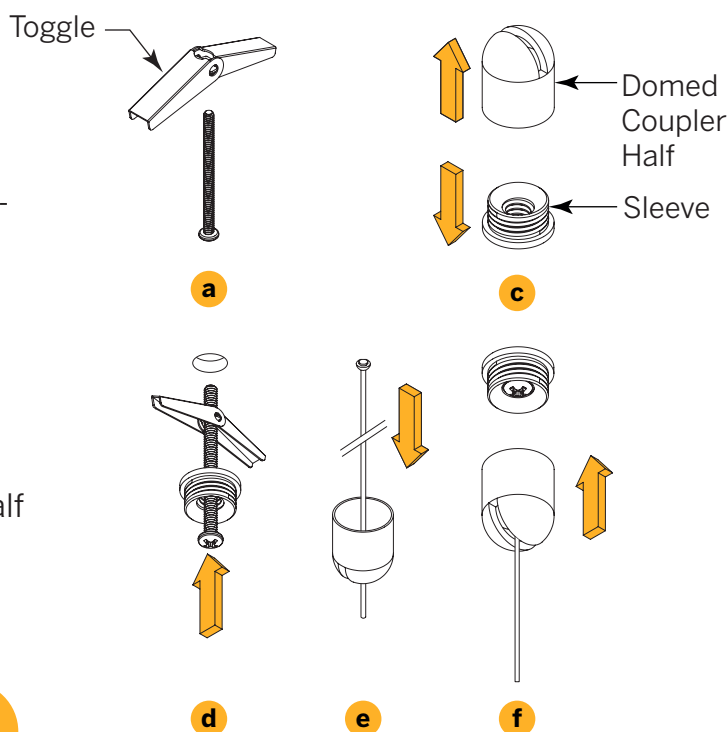
Drywall Ceiling

- a** Open Non-Feed Kit and locate supplied 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.



Hard Ceiling

- a** Open Non-Feed Kit and locate Toggle Wing Anchor and Bolt.
- b** Drill hole sized for Toggle at mark for Non-Feed Suspension (see illustration at top of page 5).
- 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 Coupler half to Sleeve.



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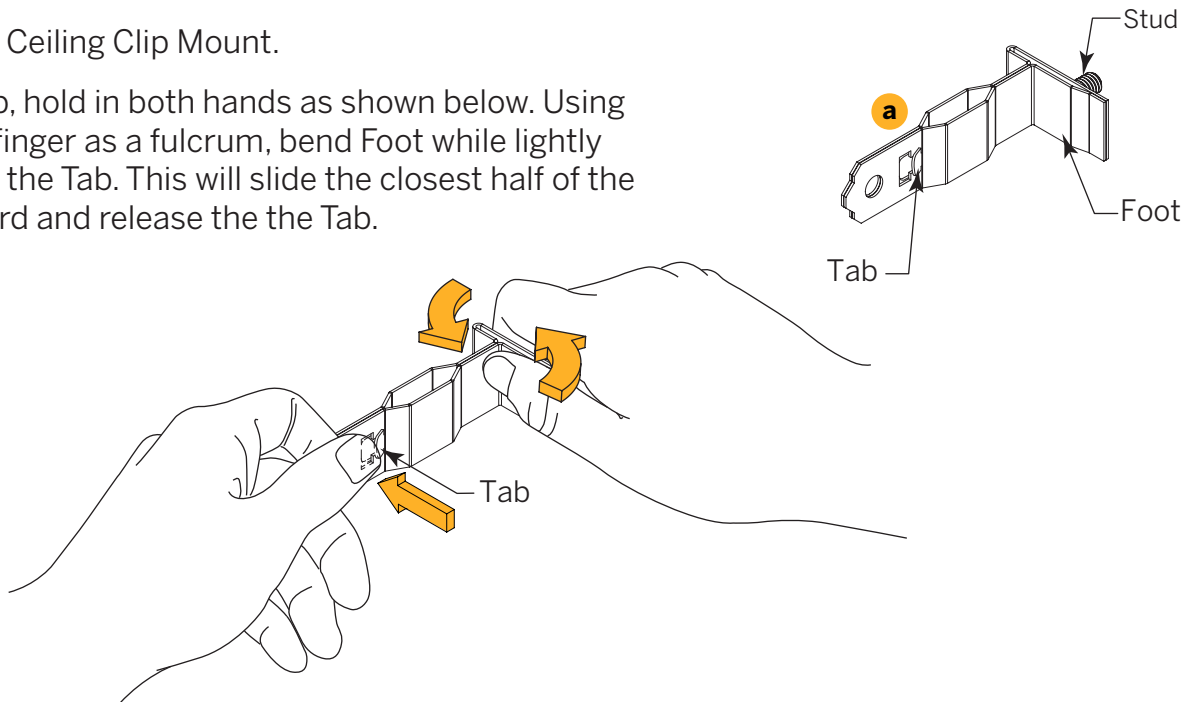
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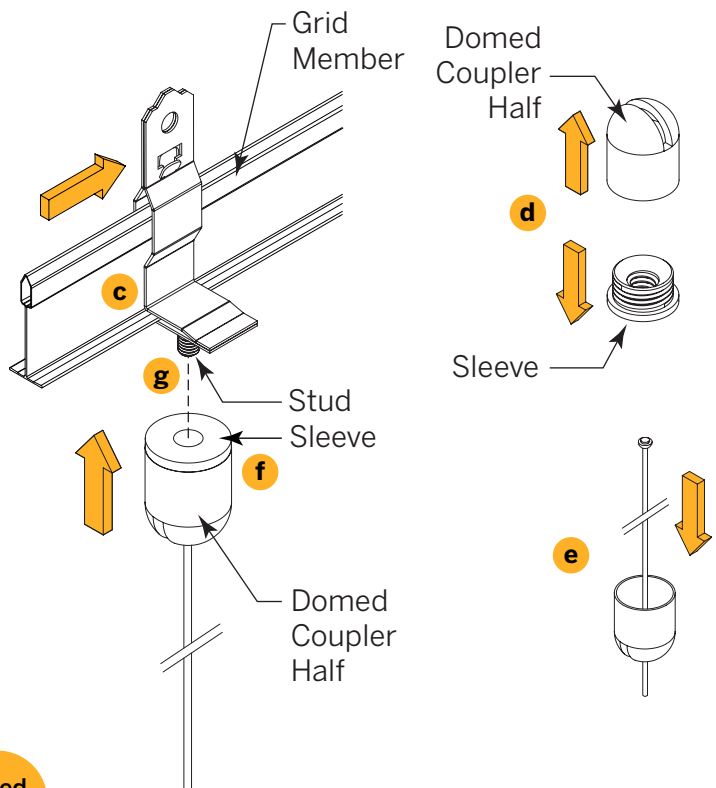
Step 7 - **Install Non-Feed Suspension Point(s)** (continued)

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 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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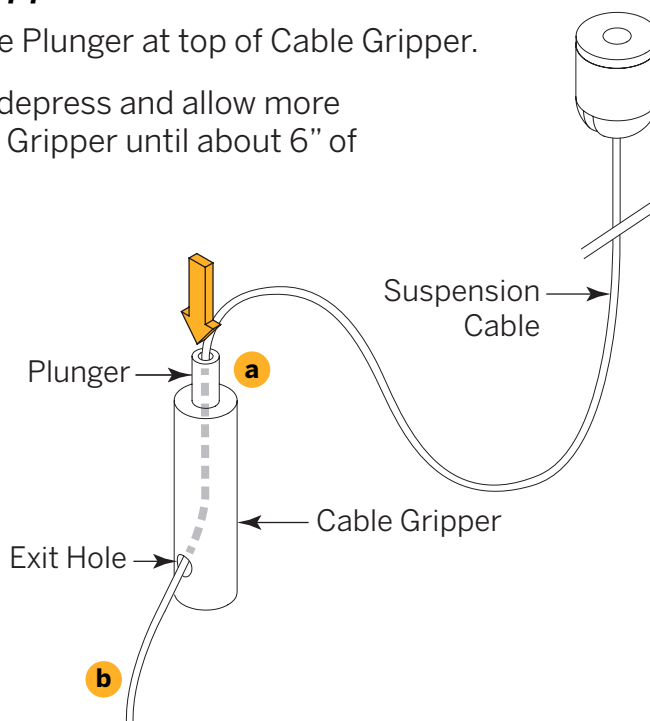
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Step 8 - *Join Suspension Cables to Cable Grippers*

- 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.

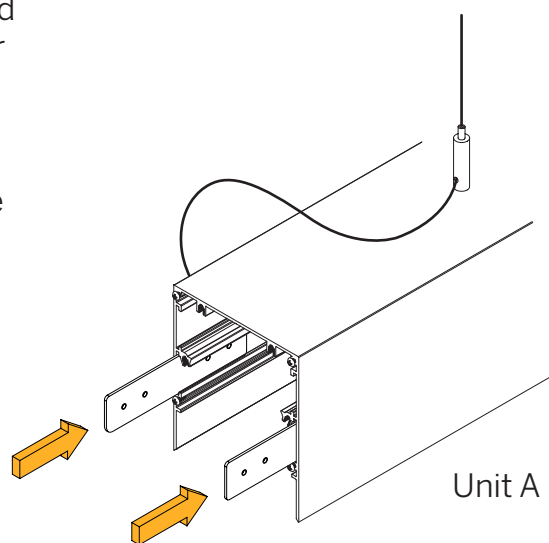
Do not trim excess Cable at this time!



Step 9 - *Install Joiners - Multi Unit Run only*

On *Start Unit* on end opposite End Caps, or on one end of *Corner Unit*, slide a Joiner *halfway* into each interior channel on each side of Housing, as show, and fasten supplied Set Screws with supplied 2mm Hex Key.

Do not overtighten as it risks deforming outer surface of Housing.



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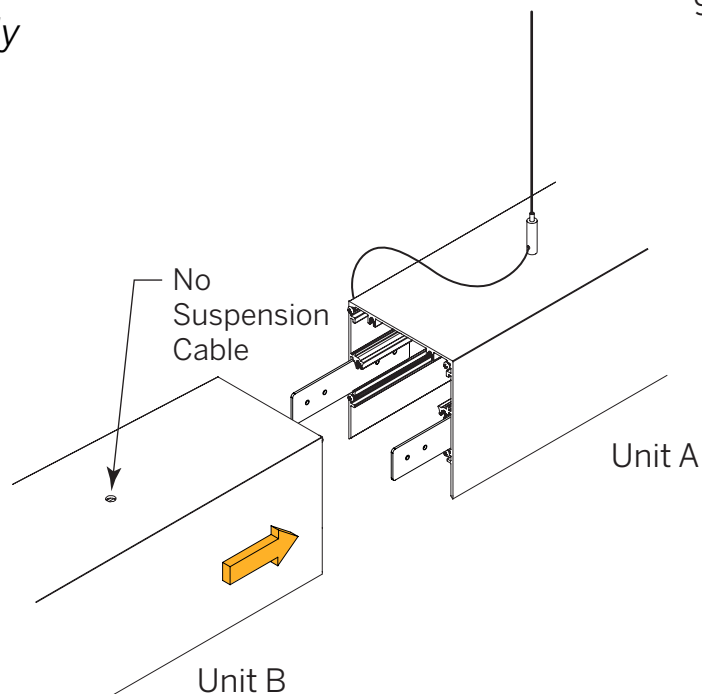
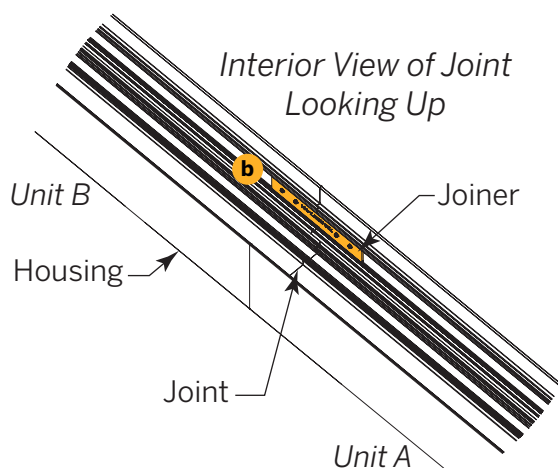
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Step 10 - **Join Housings** - Multi Unit Run only

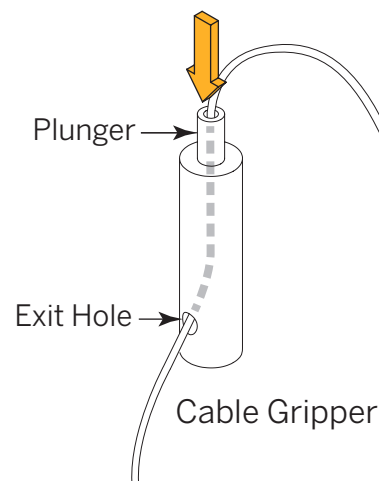
- a** Mark Ceiling for Suspension Points of Additional Housings. See **Steps 5 & 6**.
- b** With an assistant, slide Unit B onto Joiners of Unit A.
- c** Hang Unit B, following **Step 7** for Non-Feed Unit.
- d** Tighten Set Screws on Joiners to fasten to Unit B. **Do not** overtighten.



Step 11- **Level the Fixture**

As in **Step 8**, set and/or adjust height of Fixture(s) by depressing Plunger on Cable Gripper and feeding Suspension Cable in either direction.

Level Fixture(s) before installing Gear Tray.



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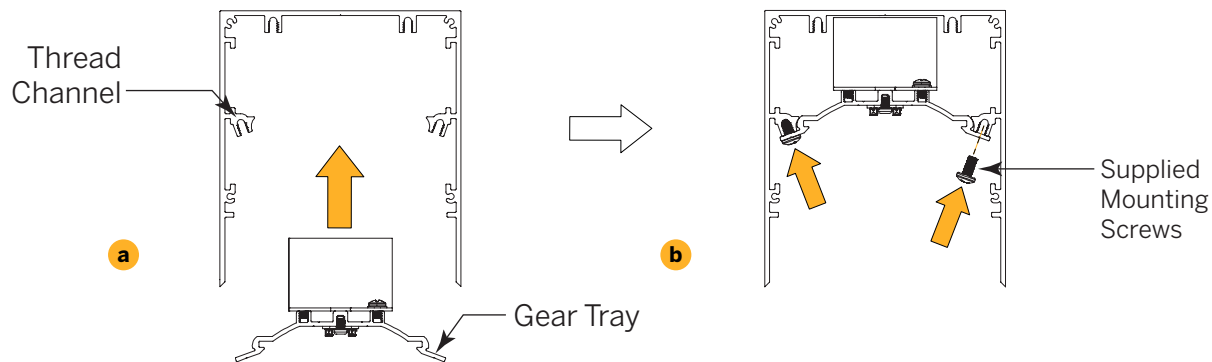
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Step 12- *Install Gear Tray*

- a** Raise Gear Tray up and into Housing from below.
- b** Fasten Gear Tray to Thread Channel in Housing with supplied Mounting Screws. Mounting holes predrilled at factory.

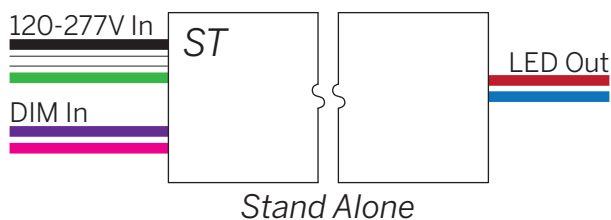


NOTE: The number of Drivers depends on length of Fixture and Power Levels specified. As such, there may be more than one Driver and Luminaire Power Feed. Similarly, controllers will add a second pair of feeds to each Driver.

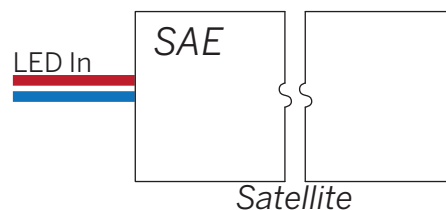
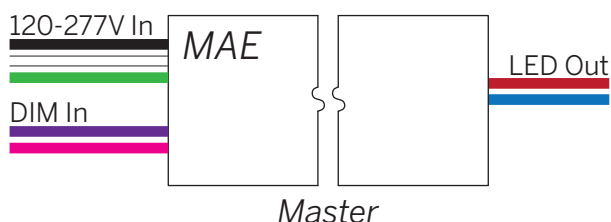
Step 13 - *Wiring*

Each Gear Tray is factory-labeled with its driver configuration code. Match that code to one of the diagrams below, located in the upper left-hand corner.

Make branch-circuit connections with supplied Wago™ connectors.



Conductor Color Legend			
Line (L)		Black	
Neutral (N)		White	
Ground (G)		Green	
DIM (+)		Purple	
DIM (-)		Pink	
DC (+)		Red	
DC (-)		Blue	



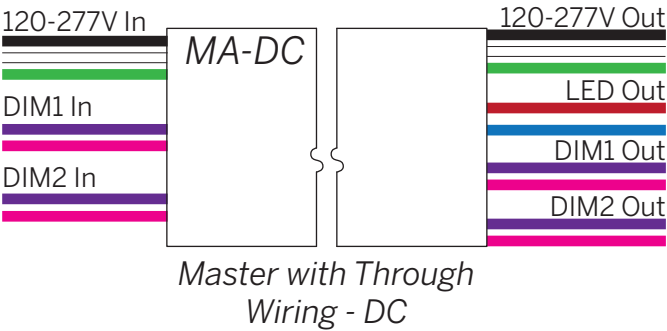
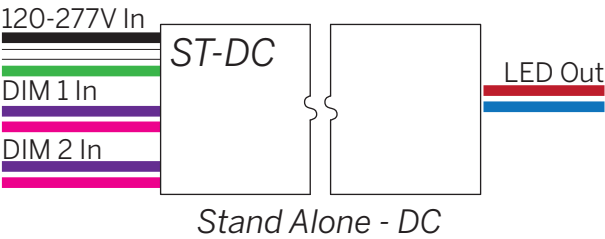
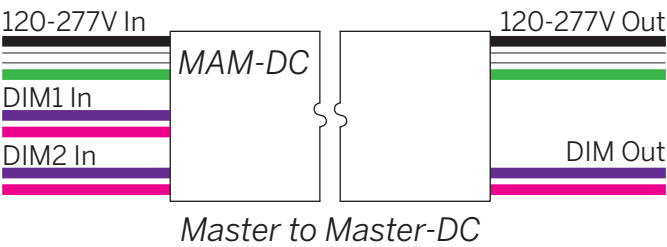
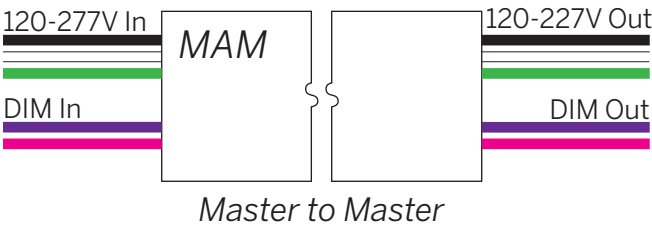
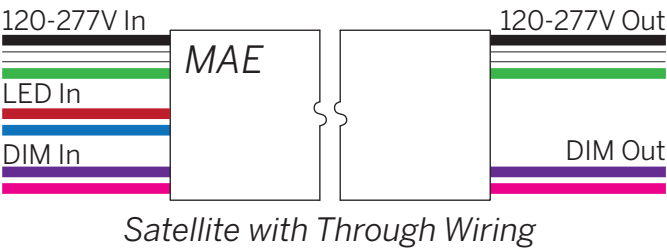
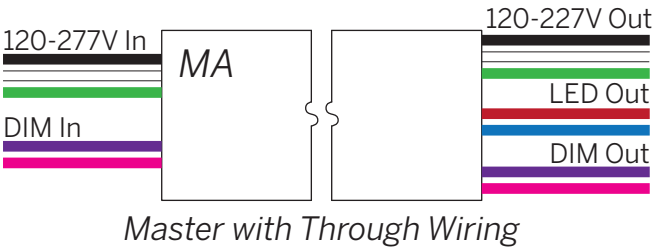
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Step 13 - **Wiring** (continued)



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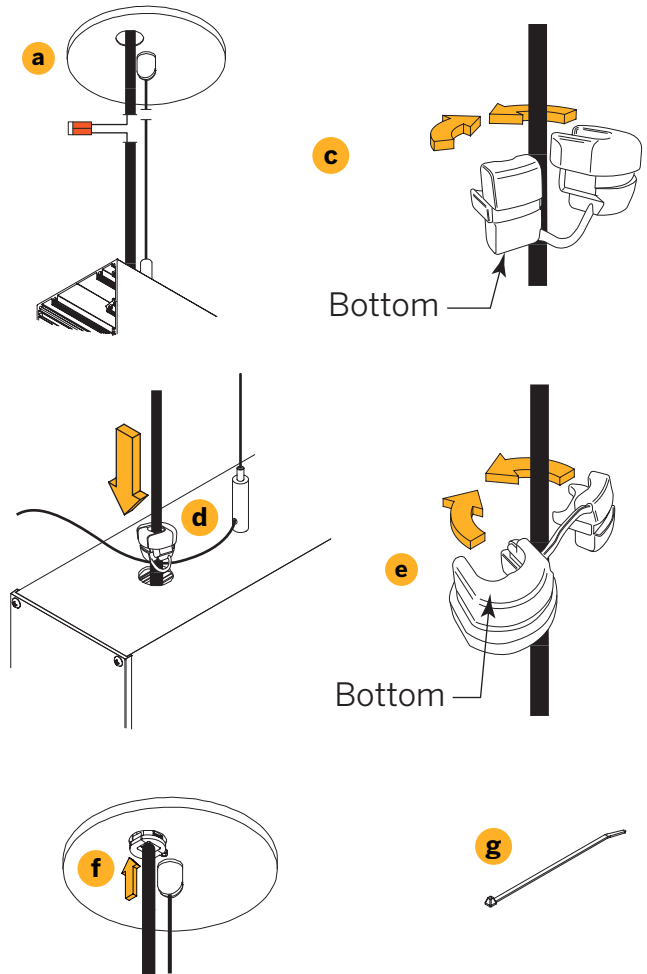
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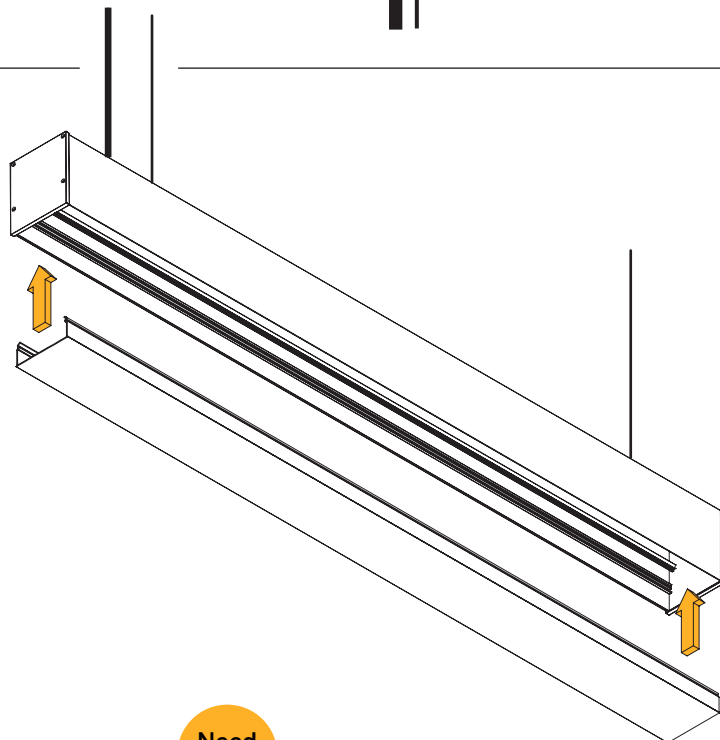
Step 13 - **Wiring** (continued)

- a** As each conductor is connected to its corresponding Wago™, push it into the large hole in the 5" Canopy.
- b** Locate Strain Reliefs.
- c** Close one Strain Relief around Power Feed. Note orientation in illustration at right.
- d** Insert into large hole on top of Fixture.
- e** Close the other Strain Relief around Power Feed. Note orientation in illustration at right.
- f** Insert into large hole in Canopy.
- g** Use the 4" Cable Ties to bind the Power Feed to the Suspension Cable.



Step 14- **Install Lens**

- a** Snap in Lens as shown at right and below.
- b** *Energize!*



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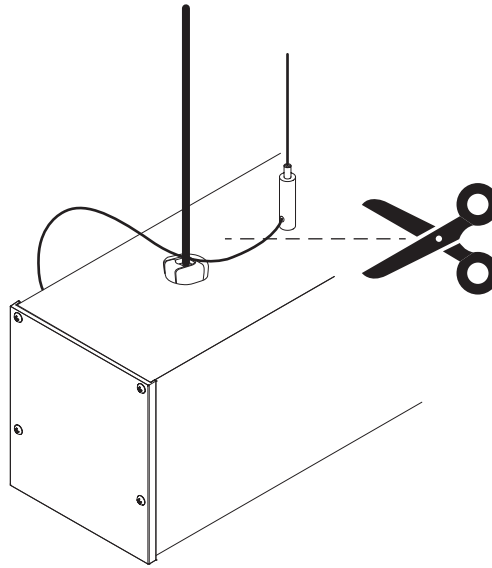
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Step 15 - *Trim Suspension Cable*

Trim excess Suspension Cable at Gripper.



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