

60 ProTools Linear

WG-60PTL-RGT9
WG-60PTL-RGT15

Downlight

Recessed Grid Trim

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.

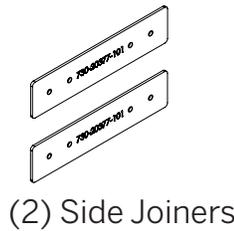
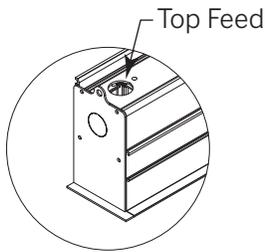
Never connect a live fixture!!!

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 (2) major parts: Housing and Gear Tray with Diffuser or Louvers. Integral Drivers supplied by Inter-lux.

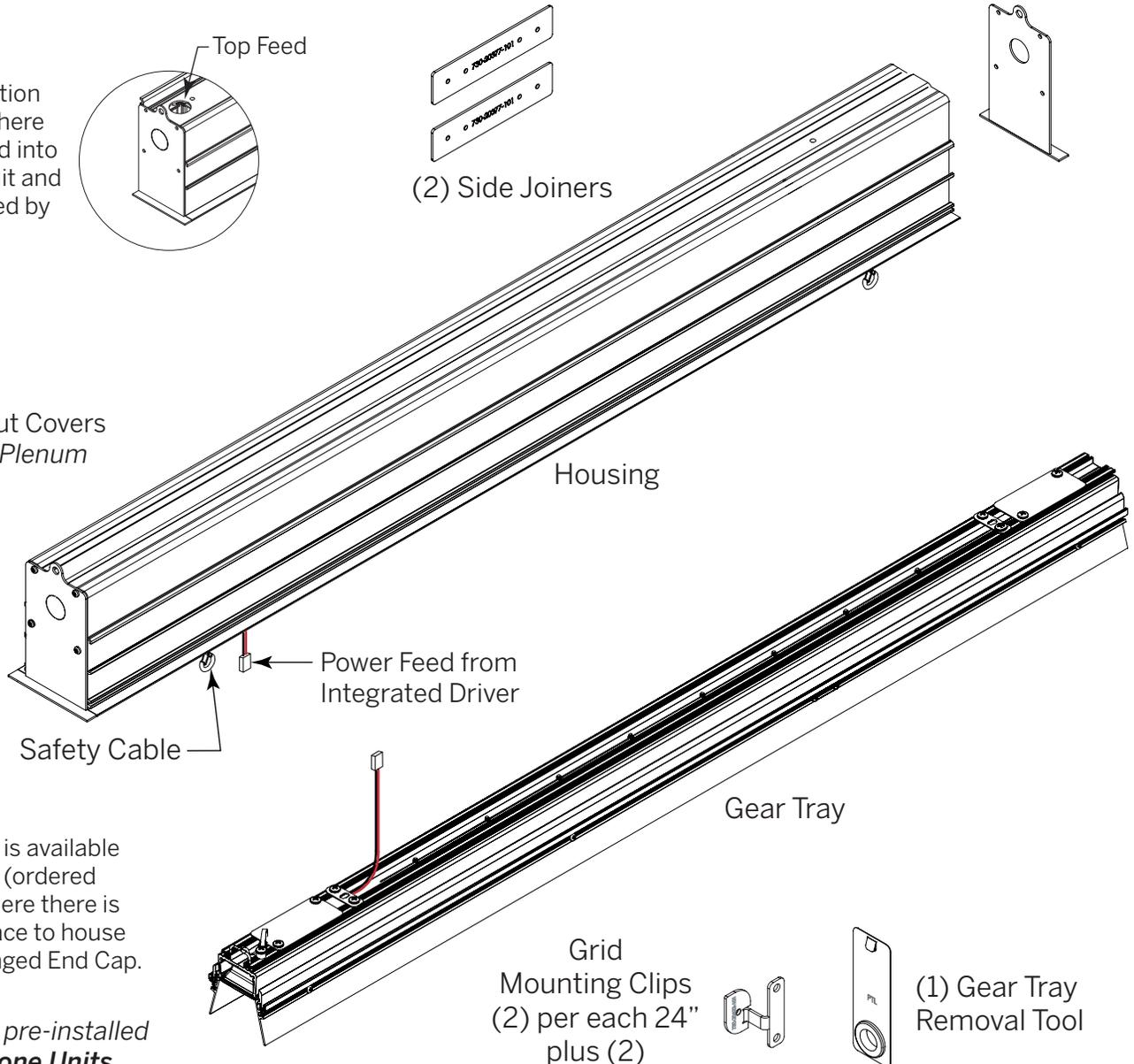
A *Top Feed* option is available, where a hole is drilled into profile. Conduit and Clamp supplied by others.



(2) Side Joiners



(2) Knock-out Covers For Chicago Plenum



A *Flat End Cap* is available as an option (ordered separately) where there is not enough space to house the standard flanged End Cap.

End Caps come pre-installed on **Stand Alone Units** and on **Start & End Units of a Multi Unit Run**



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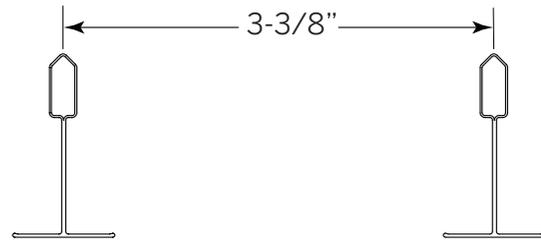
Step 1 - **Open the Box** (continued)

Installation for Chicago Plenum

To install this fixture consistent with Chicago Plenum requirements, Chicago Plenum rated conduit, junction box(es) and gasket(s) are supplied by others. In addition, fixtures must be installed in an accessible ceiling, particularly Multi Unit Runs (See **Step 6c**).

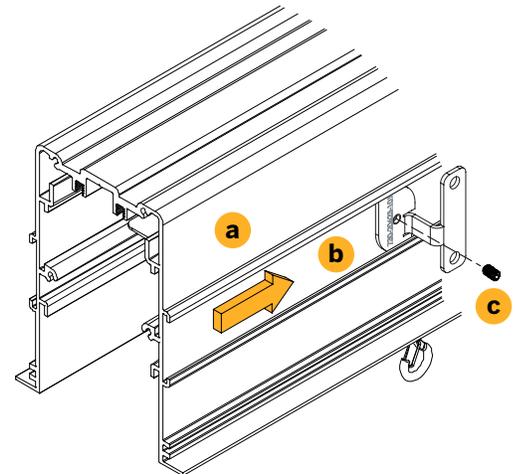
Step 2 - **Confirm Grid Spacing**

When installing a T-Grid ceiling, ensure there is a 3-3/8" spacing between T members for the light fixture housing to fit.



Step 3 - **Install Grid Mounting Clips**

- a** Slide Grid Mounting Clips into major exterior channels from End of Housing.
- b** Slide Clip at least 3" into channel.
- c** Fasten Clip to Housing using supplied Set Screw.
- d** Repeat on both sides of Housing for as many clips supplied, spaced evenly.



Step 4 - **Install Hanging Wire** (by others)

Stand Alone Unit:

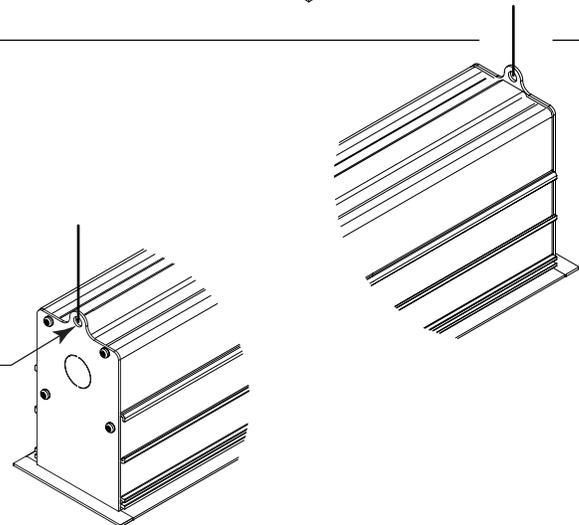
Attach Hanging Wire to loops at tops of End Caps and mechanically fasten to structure.

Chicago Plenum

Snap in Hole Covers are provided to cover electrical knock-outs not utilized for end-feed connections.

End Cap Loop

Need Help?



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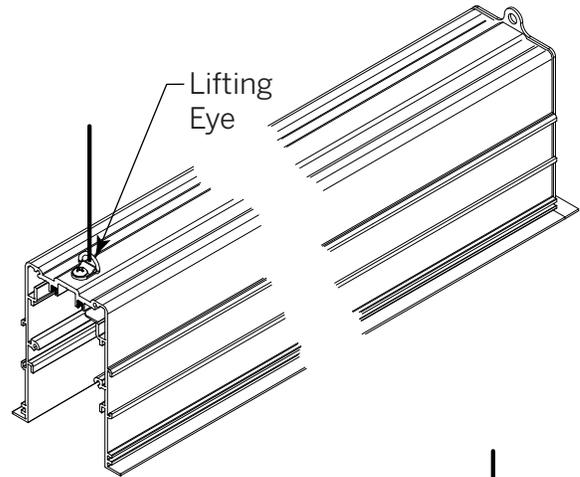
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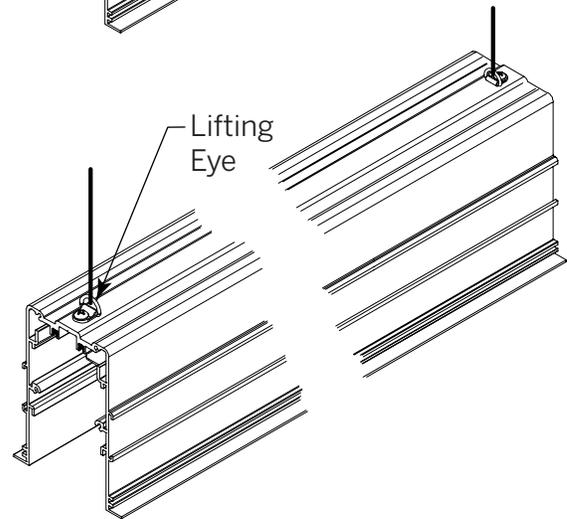
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Step 4 - **Install Hanging Wire** (continued)

Multi Unit Run, Starting or Ending Unit:
Attach Hanging Wire to Lifting Eye on one end, and Endcap Loop on the other.



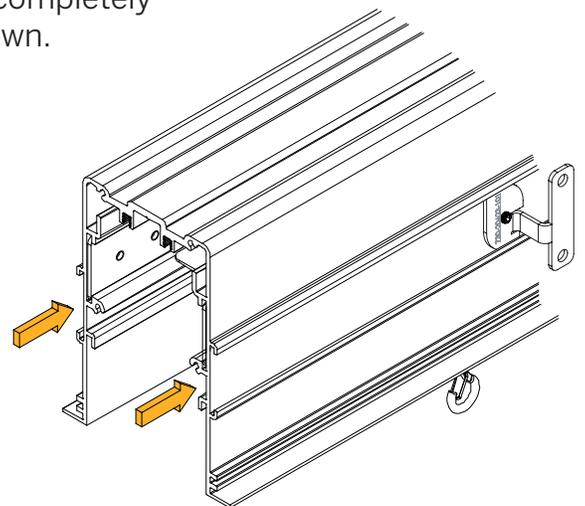
Multi Unit Run, Middle Unit:
Attach Hanging Wire to Lifting Eye on each end.



Step 5 - **Install Joiners** - Multi Unit Run only

On *Starting Unit*, on end opposite End Cap, slide a Joiner completely into each interior channel on each side of Housing, as shown.

Do not fasten Joiners to Housing at this time.



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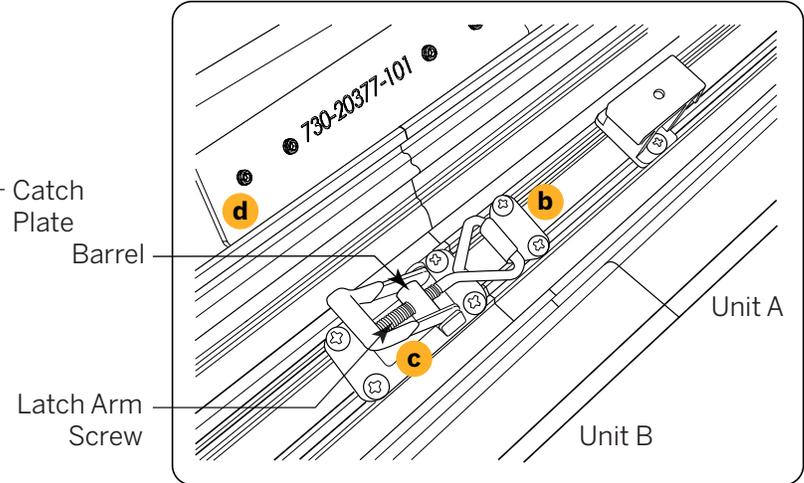
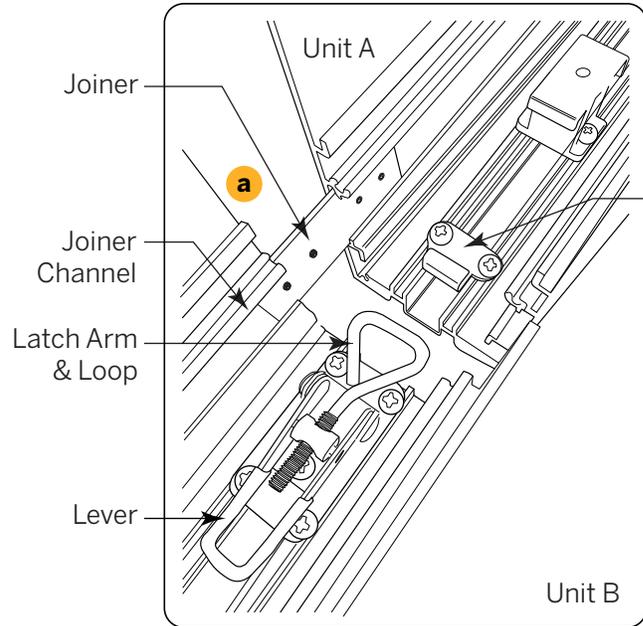
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Step 6 - Joining Units



- a** Insert Joiners of Unit A into Joiner Channels of Unit B.
- b** Draw units completely together. Hook Latch Arm & Loop over Catch Plate. Adjust length of Latch Arm by rotating Latch Arm Screw through Barrel.

- c** **Chicago Plenum only:** As Housings are drawn together apply silicone caulk to outside joint. Ensure that squeeze-out does not interfere with Joiners sliding into final position.
- d** Press Lever fully down to lock.
- e** Center each Joiner on Housing Joint.
- f** Tighten all Set Screws on both Joiners. **Do not** overtighten. Overtightening risks deforming Housing surface.

This Space Intentionally Left Blank



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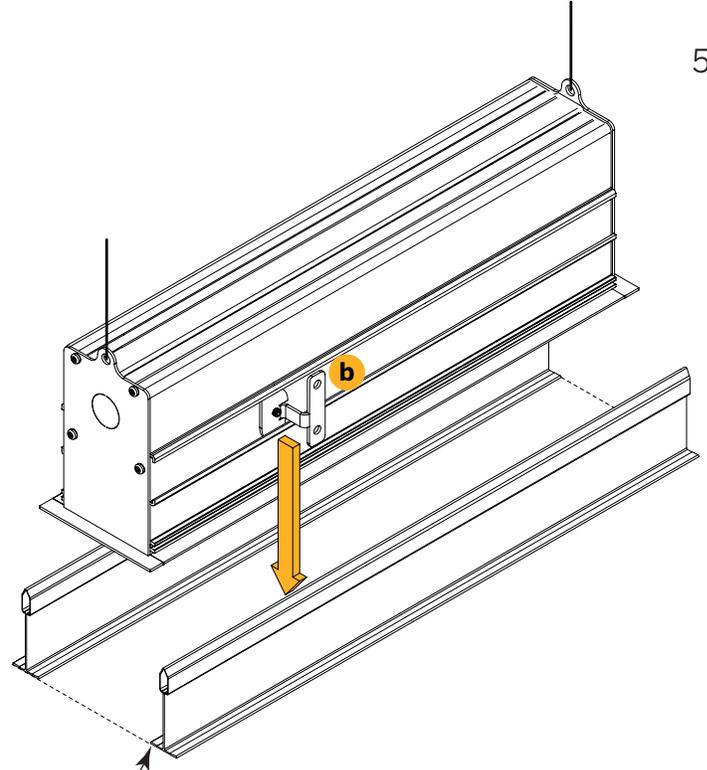
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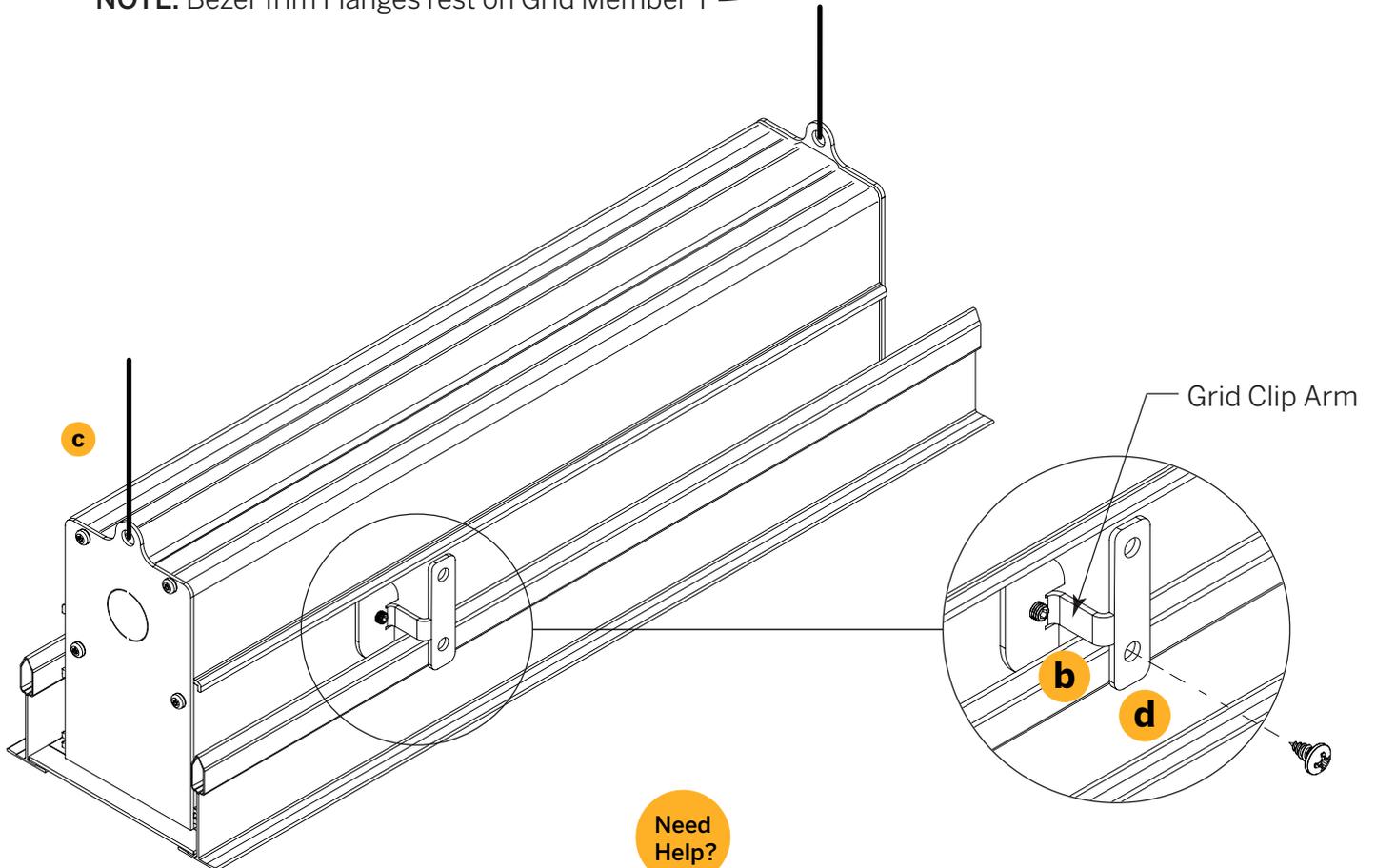
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Step 7 - *Install Housing*

- a** Clear away all insulation from at least 3" around Fixture.
- b** Lower Housing onto Grid Members such that Grid Clip arms rest on top edges of Members.
- c** Mechanically fasten Hanging Wires (by others) to structure.
- d** Secure Grid Clips to Grid Members with appropriate screws (by others).



NOTE: Bezel Trim Flanges rest on Grid Member T



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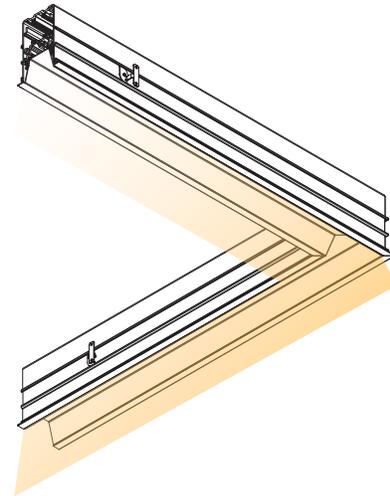
Downlight

Recessed Grid Trim

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Step 8 - **Install Corners** - Multi Unit Run only

The Pattern Corner is welded at the factory. Corners use same Latch Arm and Catch Plate joining system as on straight Units. Follow **Steps 5 & 6** to mount to existing Run. Illustration of light output shows direction only, and is not indicative of actual color, intensity, or spread.

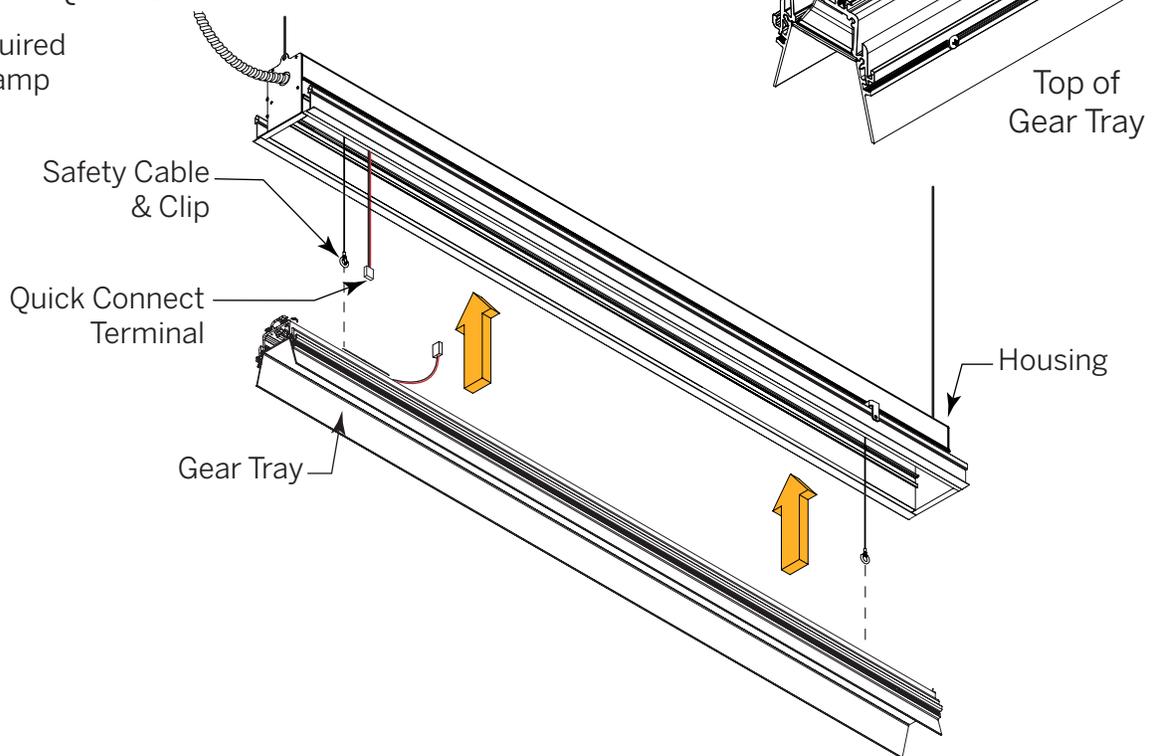


Pattern Corner (P)

Step 9 - **Hang Gear Tray**

- a** Locate Safety Cables inside Housing.
- b** Clip Safety Cables to Gear Tray Eyes at each end of Housing. See illustration at right.
- c** Clip Power Feed(s) from Gear Tray to those in Housing with attached Quick Connect terminals.

NOTE: Required Conduit Clamp (by others) not shown.



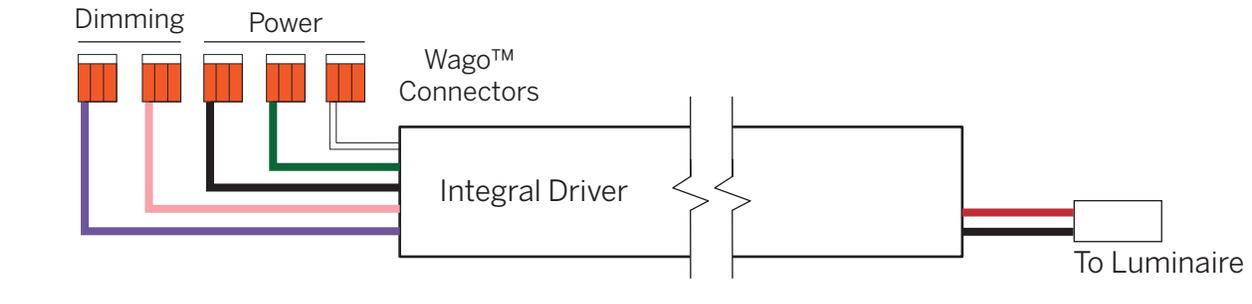
NOTE: The number of Drivers depends on length of Fixture and Power Levels specified. As such, there may be more than one Driver and Luminaire Power Feed. Similarly, controllers will add a second pair of feeds to each Driver.

Need Help?

Step 10 - Wiring

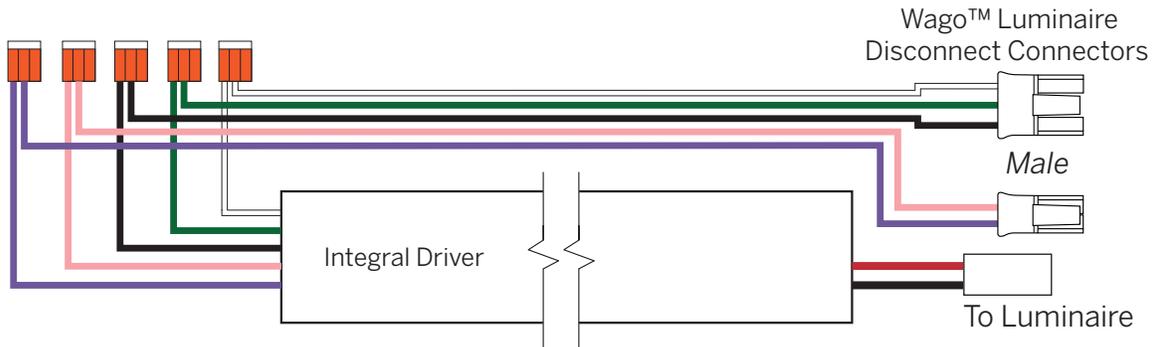
Stand Alone Unit

Five wires extend from Gear Tray and terminate with supplied Wago™ Connectors. Connect these wires to incoming Power Feed.



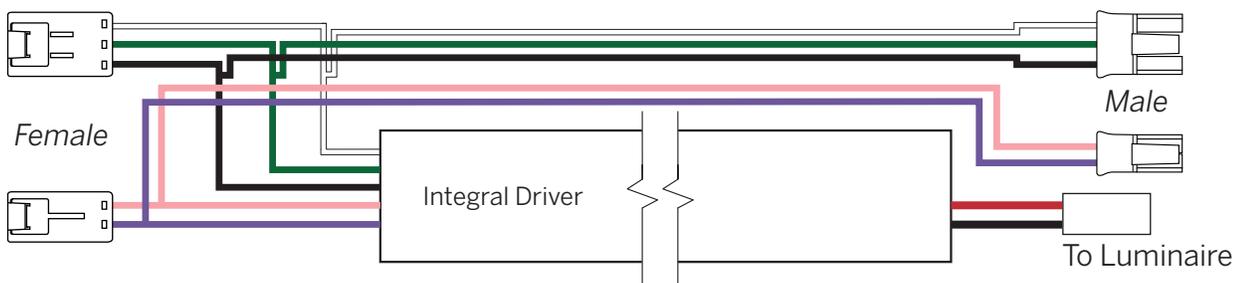
Multi Unit Run - Start Unit

Five wires extend from Gear Tray and terminate with supplied Wago™ Connectors. Connect these wires to the Power Feed. To connect to the next unit in Run, use the pair of Male Wago™ Luminaire Disconnect Connectors.



Multi Unit Run - Middle Unit

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, use the Female and Male pairs of Wago™ Luminaire Disconnect Connectors.



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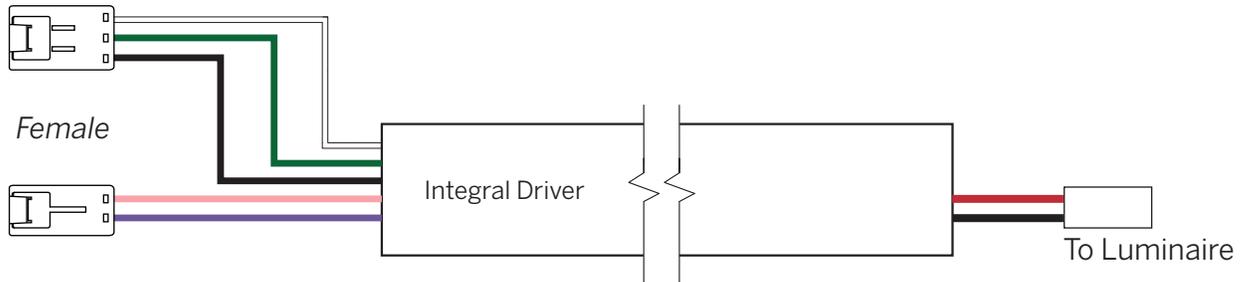
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Step 10 - **Wiring** (continued)

Multi Unit Run - End Unit

The End Unit terminates with one pair of Female Wago™ Luminaire Disconnect Connectors.



Step 11 - **Placing Gear Tray in Housing**

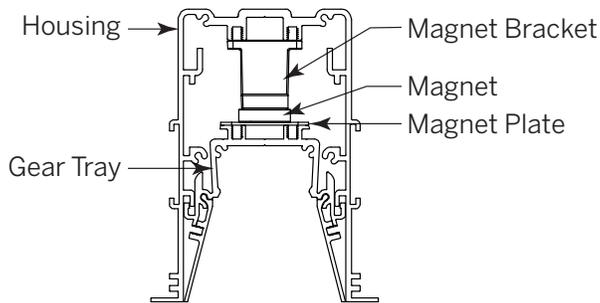
- a** While attached to Safety Cables, lift and insert Gear Tray into Housing.

NOTE: Required Conduit Clamp (by others) not shown.

Magnet Plate
Top of Gear Tray

- b** Magnet Plates on top of Gear Tray will engage Magnets on Brackets inside of Housing.

- c** Energize!



Cross Section of Gear Tray Seated in Housing

Seated Gear Tray

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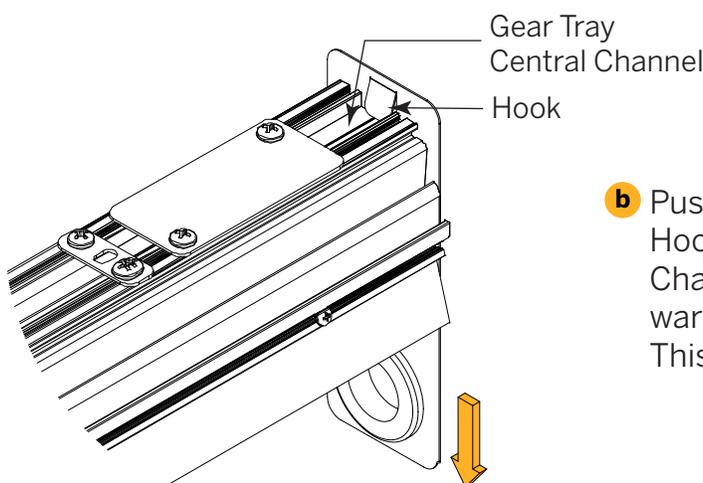
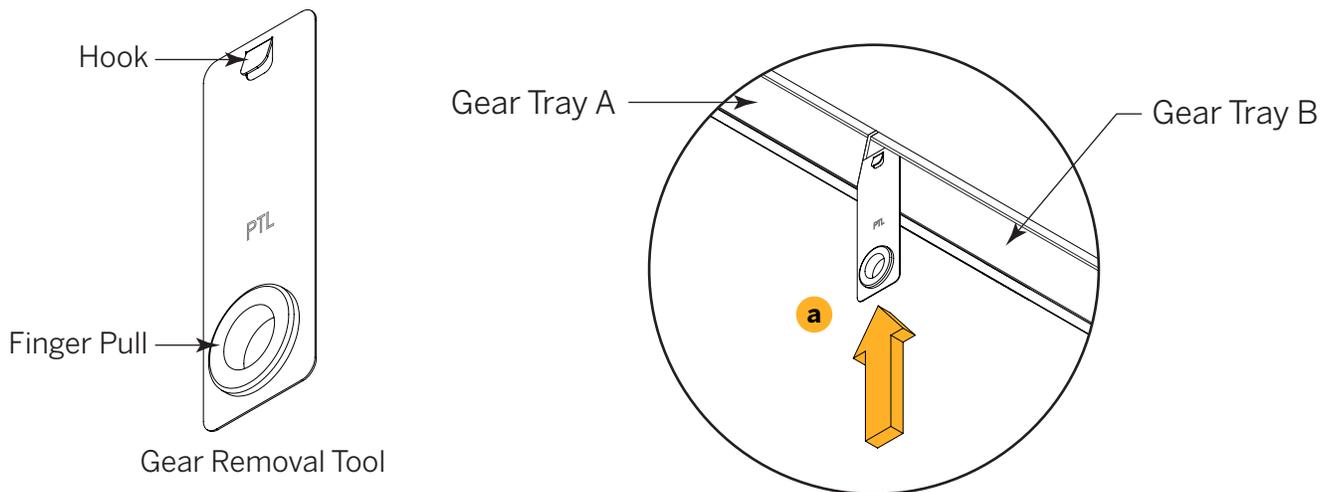
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Step 12 - *Removing Gear Tray*

Should there be a need to remove the Gear Tray, a Gear Tray Removal Tool is provided with every order. The following applies to multiple Gear Trays in a single housing and to a series of Gear Trays in a Multi Unit Run. To use:

- a** Carefully insert Removal Tool in between adjacent Gear Trays. There is about 1/8" between Gear Trays. Take care not to scratch nearby surfaces.



- b** Push Tool up into Housing Cavity. The Hook will catch the top Central Channel of the Gear Tray. Pull downward while holding other hand beneath. This will dislodge Gear Tray from Magnet.

NOTE: Housing not shown for clarity.

