60 ProTools Linear

WG-60PTL-RBT

Downlight

Recessed Bezel Trim

Installation Instructions

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

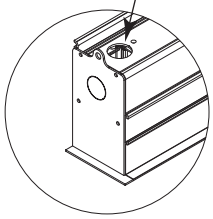
To prevent electrical shock disconnect electrical supply before installation or servicing.
Never connect a live fixture!!!

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

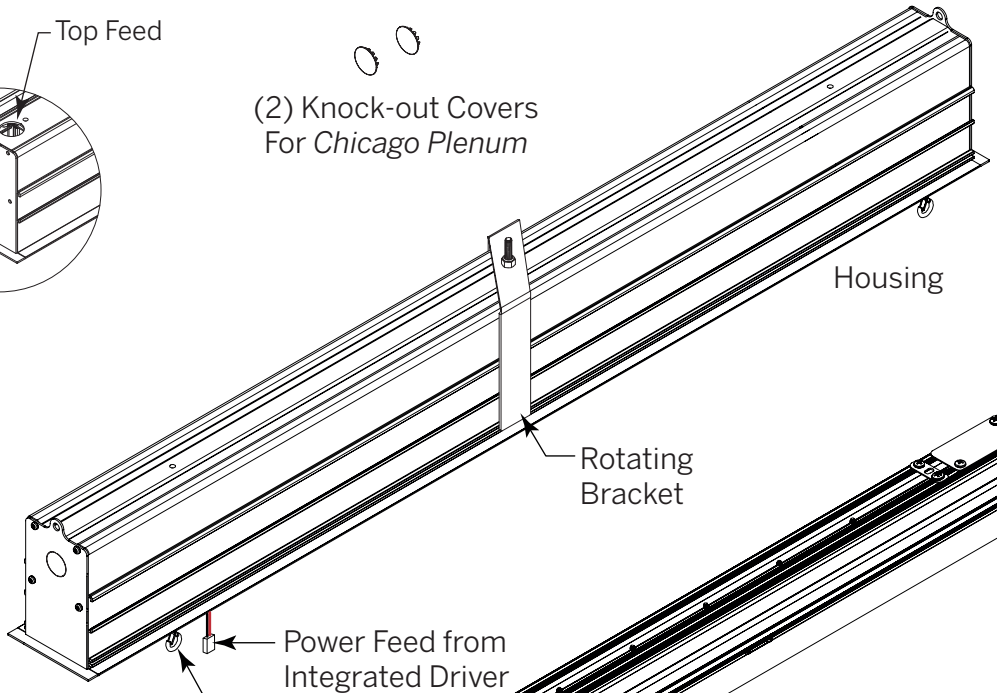
Step 1 - *Open the Box*

Unpack luminaire unit. Unit consists of (3) major parts: Housing, Plain Gear Tray, and Diffuser. Alternatively, Unit may be configured having (2) major parts: Housing, Gear Tray with Reflectors and Louvers. Integral Drivers supplied by Inter-lux.

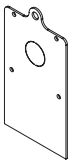
A *Top Feed* option is available, where a hole is drilled into profile. Conduit and Clamp supplied by others.



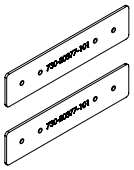
(2) Knock-out Covers
For *Chicago Plenum*



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***


(2) Side Joiners

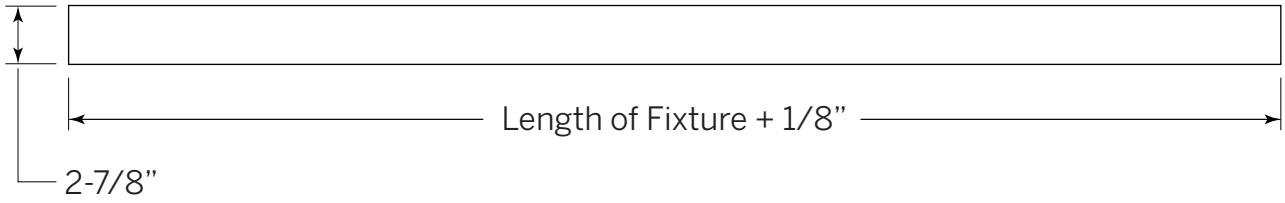

(1) Gear Tray
Removal Tool

Need Help?

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

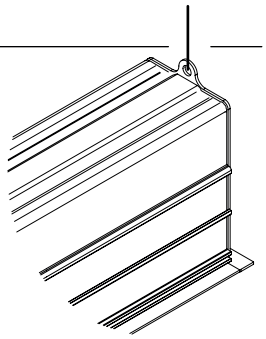
Installation for Chicago Plenum
To install this fixture consistent with Chicago Plenum requirements, Chicago Plenum rated conduit, junction box(es) and gasket(s) are supplied by others. In addition, fixtures must be installed in an accessible ceiling, particularly Multi Unit Runs (See ***Step 6c).***

Step 2 - ***Cut Mounting Hole***

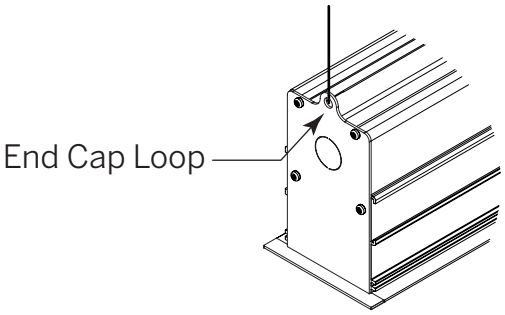


Step 3 - ***Install Hanging Wire*** by others

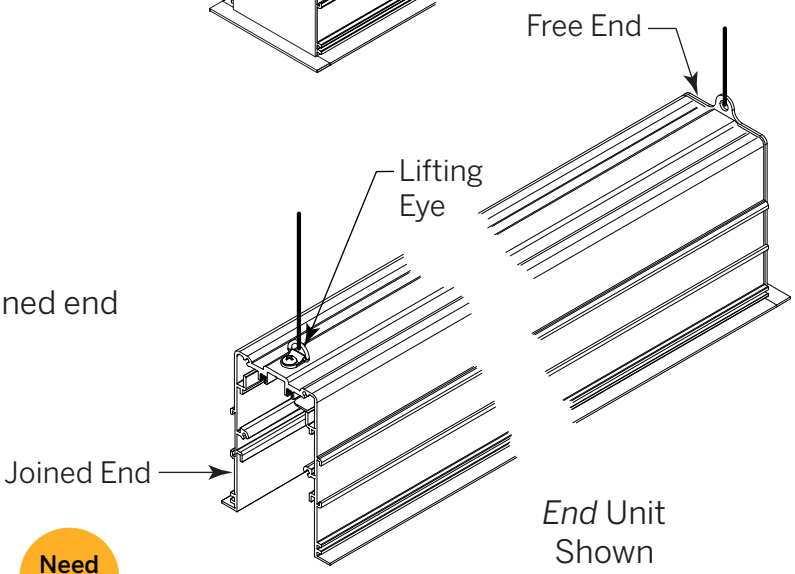
Stand Alone Unit:
Attach Hanging Wire to loops at tops of End Caps and mechanically fasten to structure.



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



Multi Unit Run, *Start* or *End* Unit:
Attach Hanging Wire to Lifting Eye on the joined end and the End Cap Loop on the Free End.

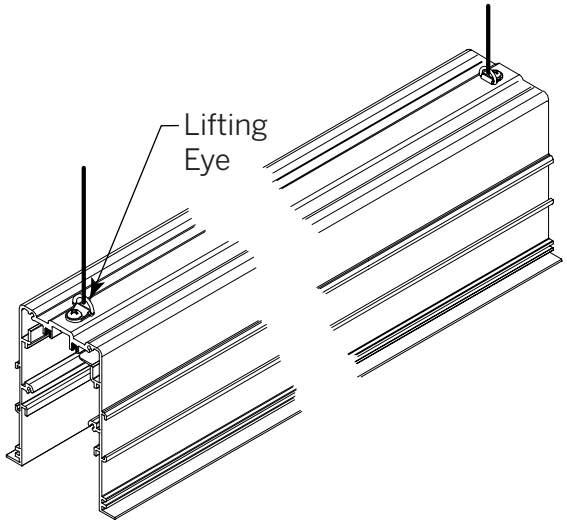


End Unit Shown

Need Help?

Step 3 - ***Install Hanging Wire*** by others (continued)

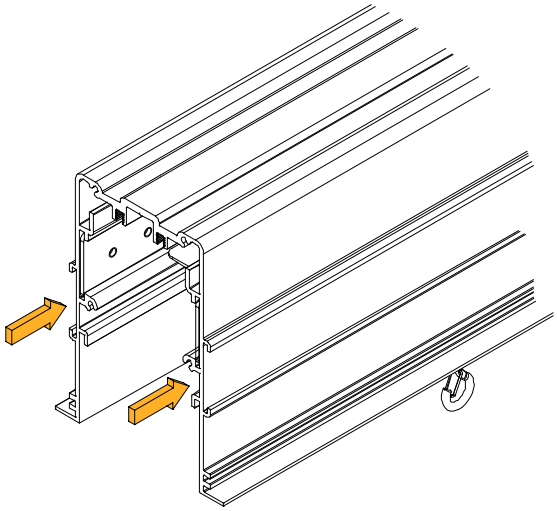
Multi Unit Run, *Middle* Unit:
Attach Hanging Wire to Lifting Eye on each end.



Step 4 - ***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.

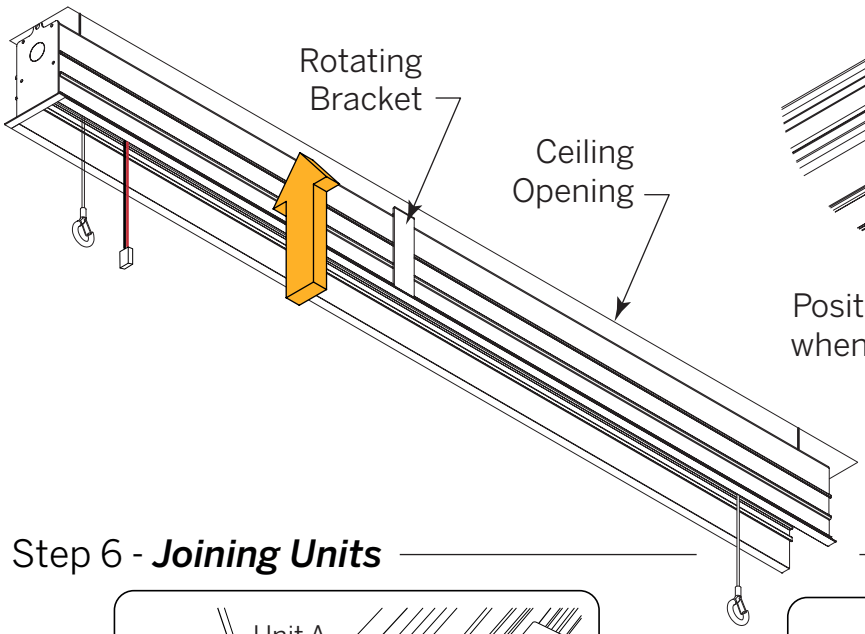
Do not fasten Joiners to Housing at this time.

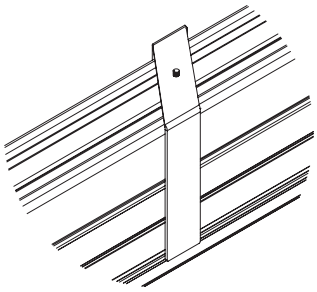


Need Help?

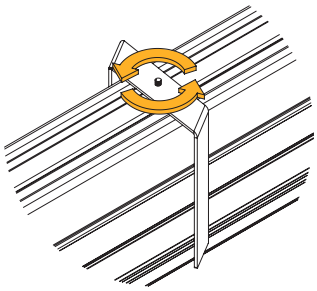
Step 5 - ***Install Housing***

Push Housing up into ceiling opening. From inside Housing, turn Rotating Bracket such that legs extend over drywall.



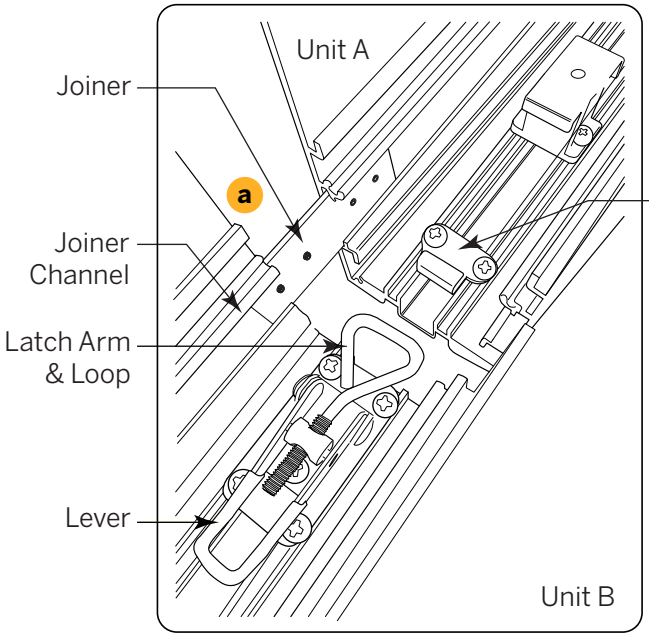


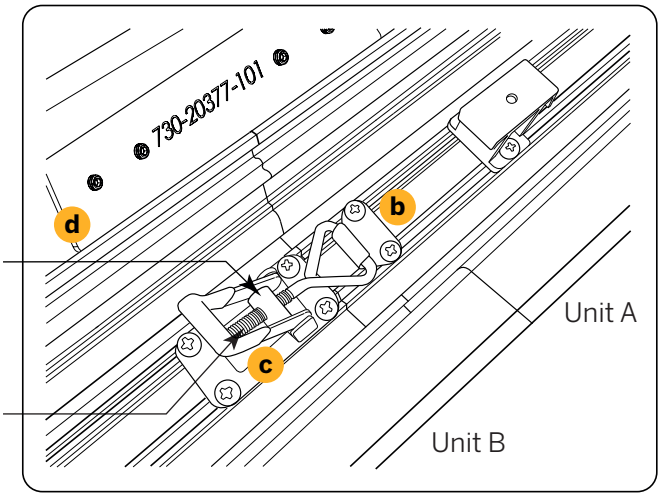
Position of Bracket when inserting into ceiling



Position of Bracket after rotation inside ceiling

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.

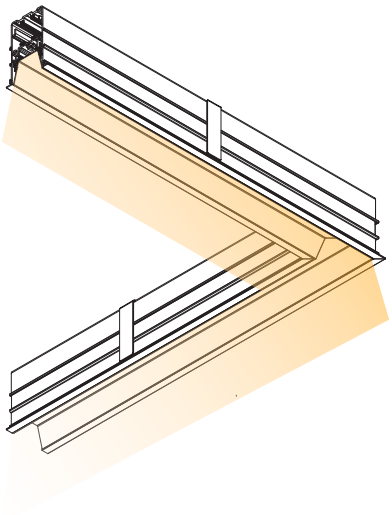
e Center each Joiner on Housing Joint.

f Tighten all Set Screws on both Joiners. ***Do not*** overtighten. Overtightening risks deforming Housing surface.

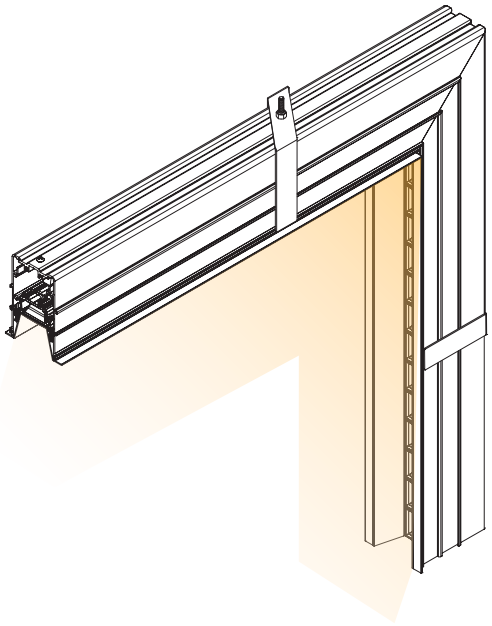
Need Help?

Step 7 - ***Install Corners*** *- Multi Unit Run only*

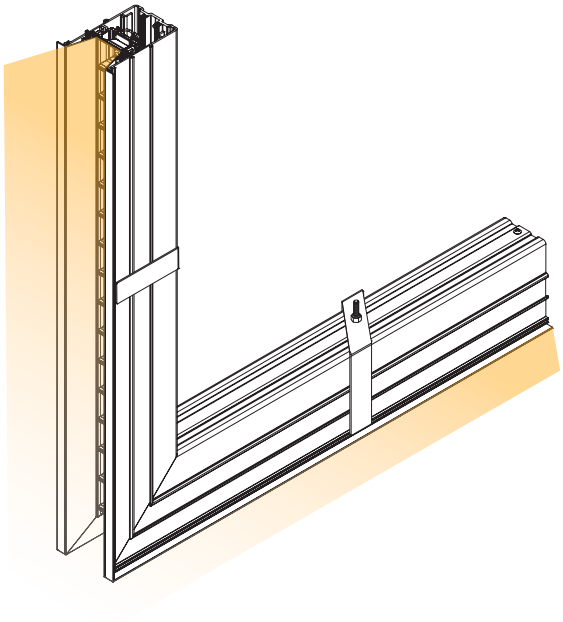
The Pattern Corner and the Plane-to-Plane Pattern Inside (PPI) and Pattern Outside (PPO) Corners are welded at the factory. Corners use same Latch Arm and Catch Plate joining system as on straight Units. Follow **Steps 5 & 6** to mount to existing Run. Illustration of light output shows direction only,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



Pattern Corner (P)



Plane-to-Plane Inside Corner
(PPI)



Plane-to-Plane Outside Corner
(PPO)

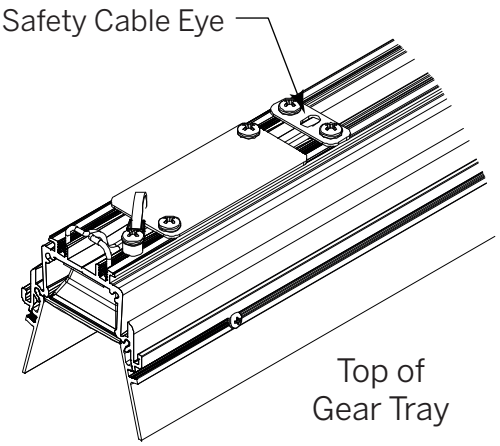
Need Help?

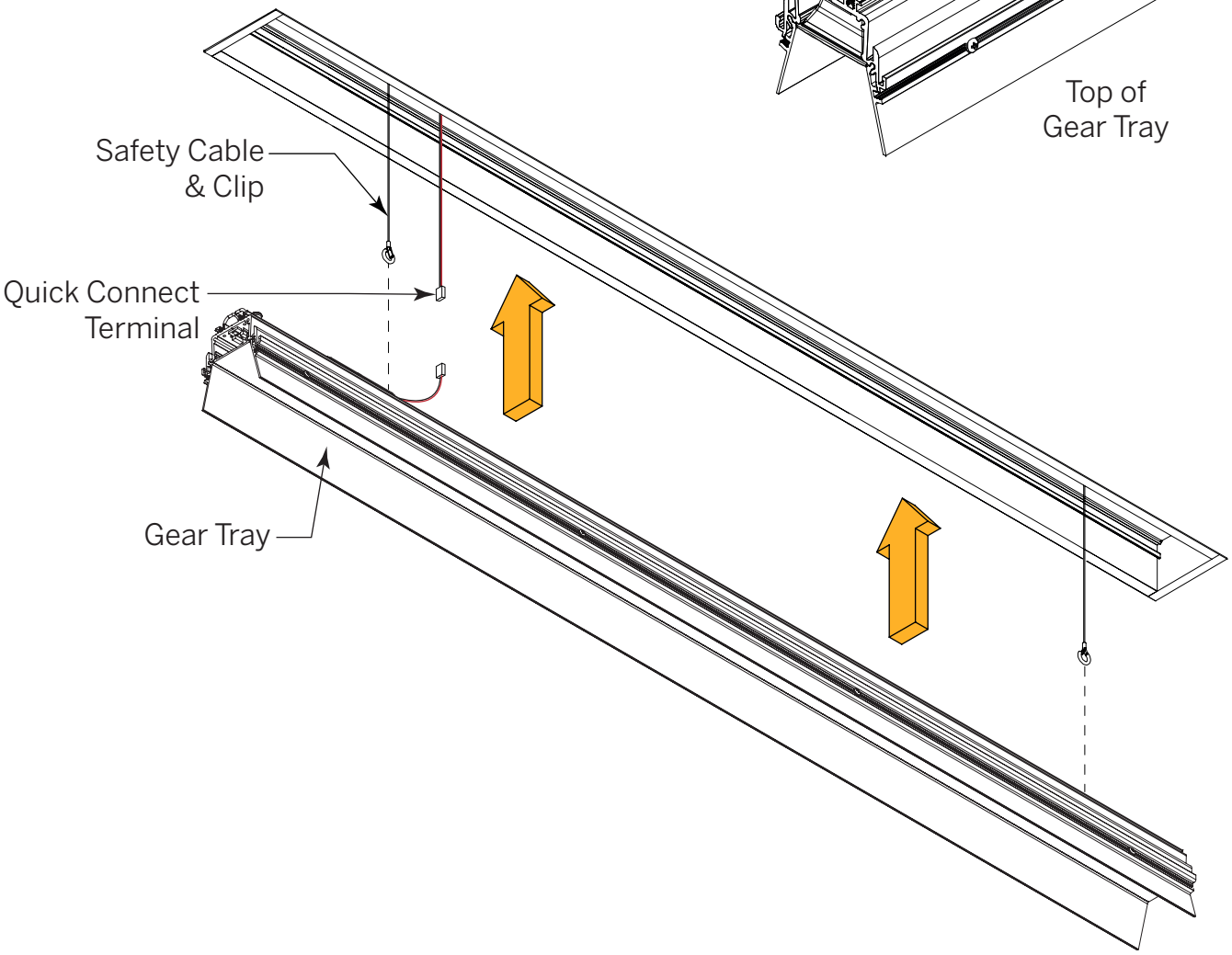
Step 8 - ***Hang Gear Tray***

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.



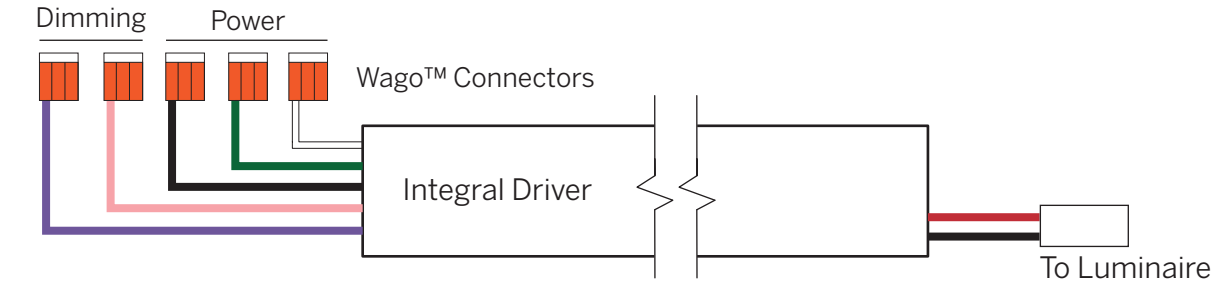


NOTE: The number of Drivers depends on length of Fixture and Power Levels specified. As such, there may be more than one Driver and Luminaire Power Feed. Similarly, controllers will add a second pair of feeds to each Driver.

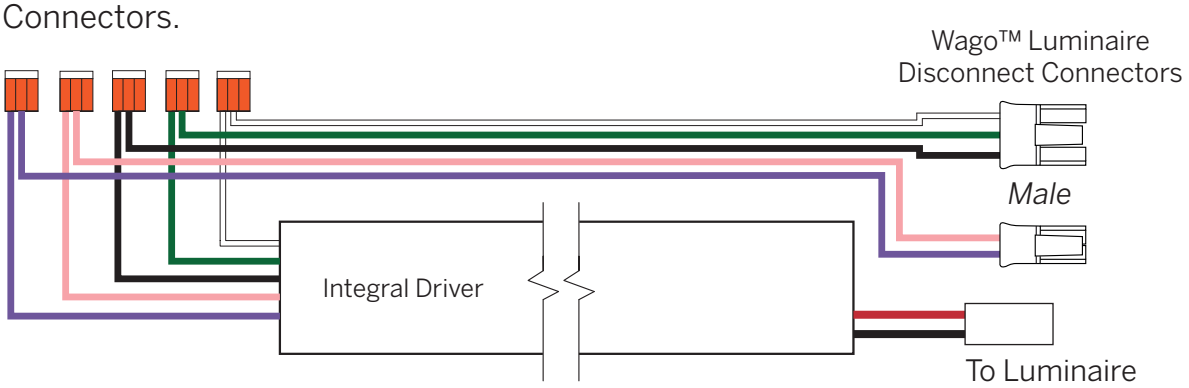
Need Help?

Step 9 - ***Wiring***

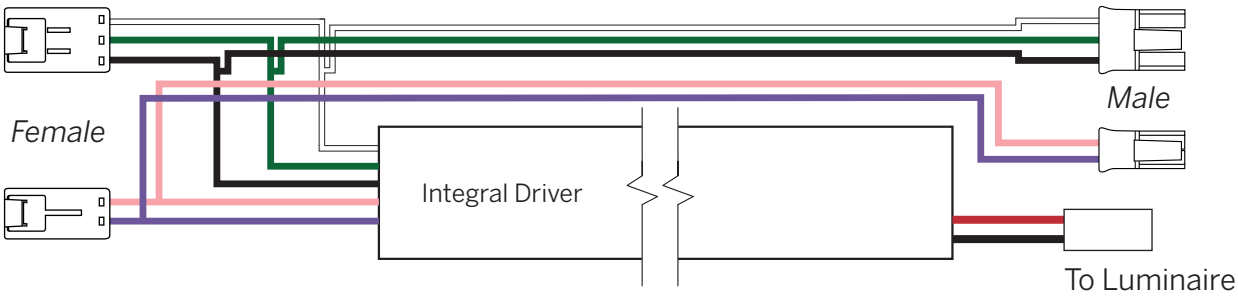
Stand Alone Unit
Five wires extend from Gear Tray and terminate with Wago™ Connectors. Connect these wires to incoming Power Feed.



Multi Unit Run - *Start Unit*
Five wires extend from Gear Tray and terminate with 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.



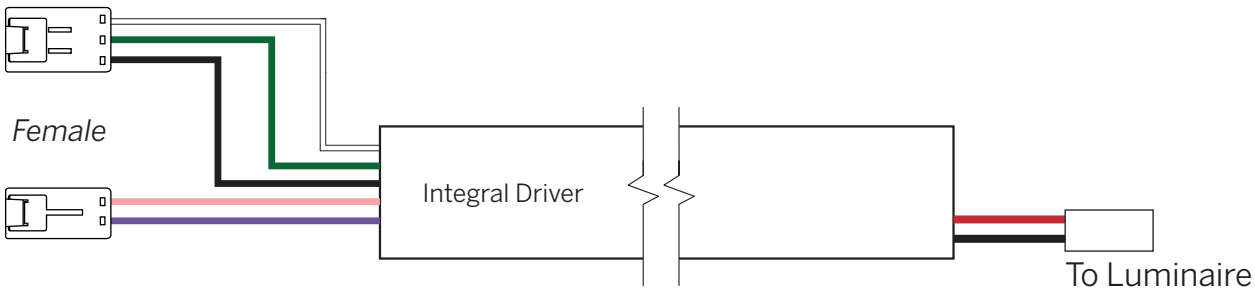
Multi Unit Run - *Middle Unit*
There are no wires that connect to the Power Feed (except if Middle Unit contains two Drivers). To connect to the previous and the next units in Run, use the Female and Male pairs of Wago™ Luminaire Disconnect Connectors on each side of the unit.



Need Help?

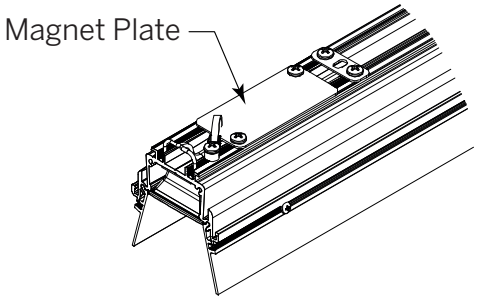
Step 9 - ***Wiring*** *(continued)*

Multi Unit Run *- End Unit*
The End Unit terminates with one pair of Female Wago™ Luminaire Disconnect Connectors.

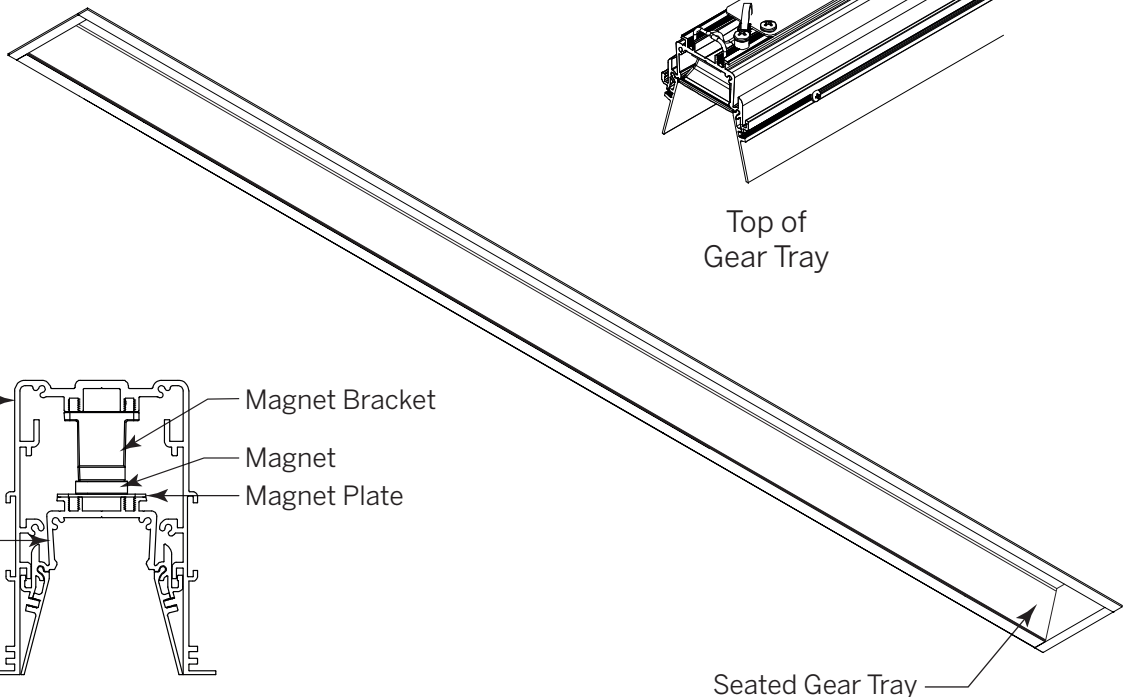


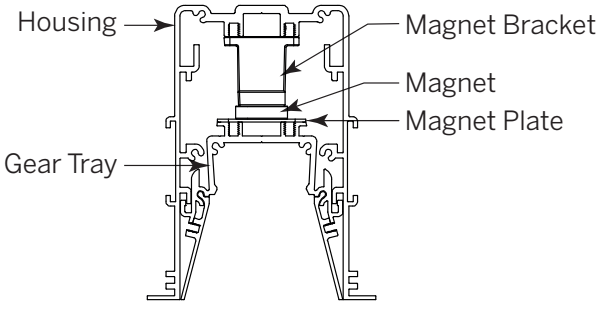
Step 10 - ***Placing Gear Tray in Housing***

- **a** While attached to Safety Cables, lift and insert Gear Tray into Housing.
- **b** Magnet Plates on top of Gear Tray will engage Magnets on Brackets inside of Housing.
- **c** *Energize!*



Top of
Gear Tray





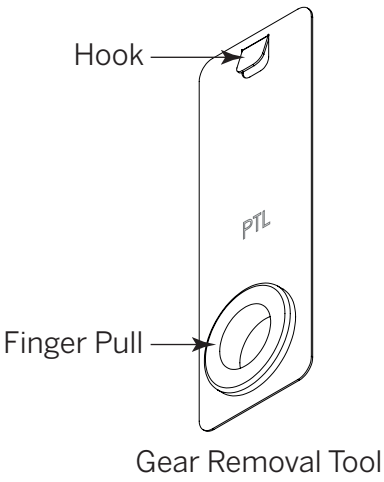
Cross Section of Gear
Tray Seated in Housing

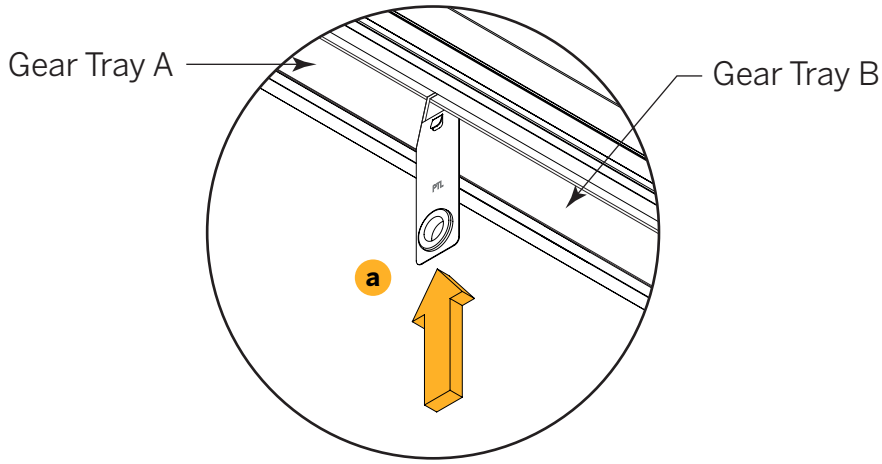
Need Help?

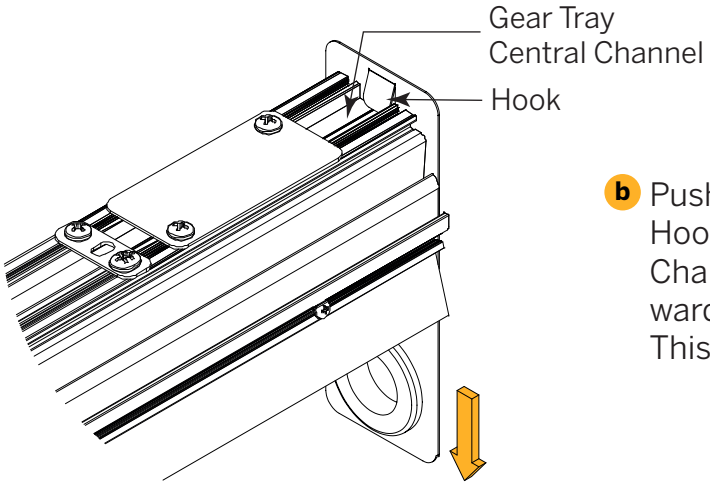
Step 11 - ***Removing Gear Tray***

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. 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.

Need Help?