

100 Linear

WG-100LDL-RGT9
WG-100LDL-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.

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.

WARNING: Not for insulation contact. Keep insulation a minimum of 3" from Housing.

Step 1 - Open the Box

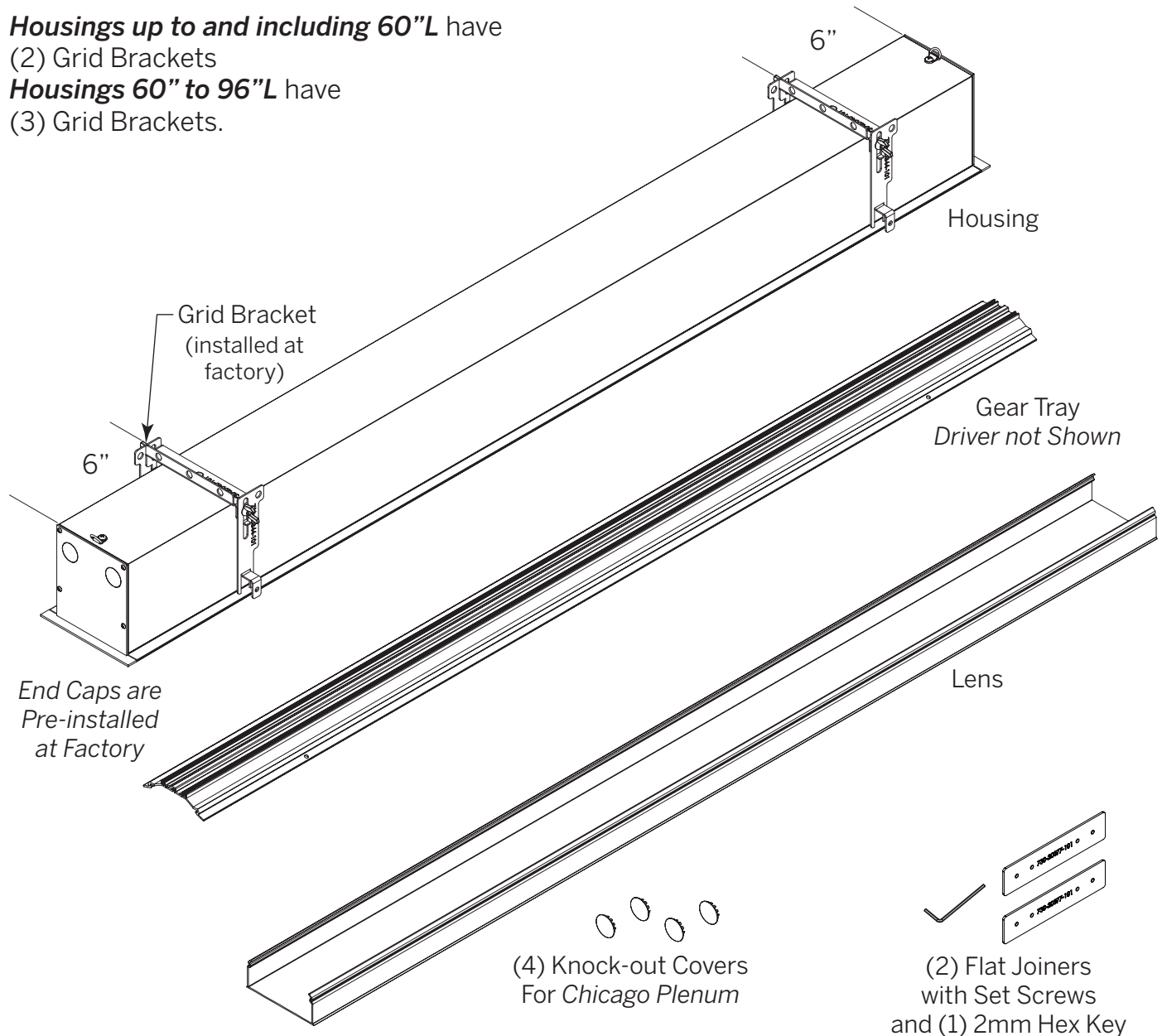
Unpack luminaire unit. Unit consists of (3) major parts: Housing, Gear Tray, and Lens. Integral Drivers supplied by Inter-lux. Fixtures must be installed in an accessible ceiling.

Housings up to and including 60"L have

(2) Grid Brackets

Housings 60" to 96"L have

(3) Grid Brackets.



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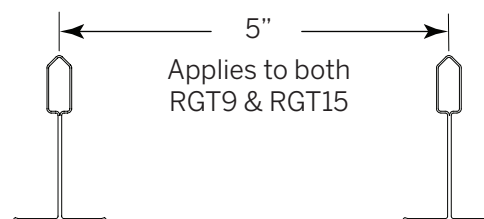
Step 1 - **Open the Box** (continued)

Installation for Chicago Plenum

To install this fixture consistent with Chicago Plenum requirements, CCEA-rated conduit, clamp(s), junction box(es), and gasket(s) are supplied by others. Snap-in Hole Covers are provided to cover electrical knock-outs not utilized for end-feed connections. Remove unused knock-outs to install Covers.

Step 2 - **Confirm Grid Spacing**

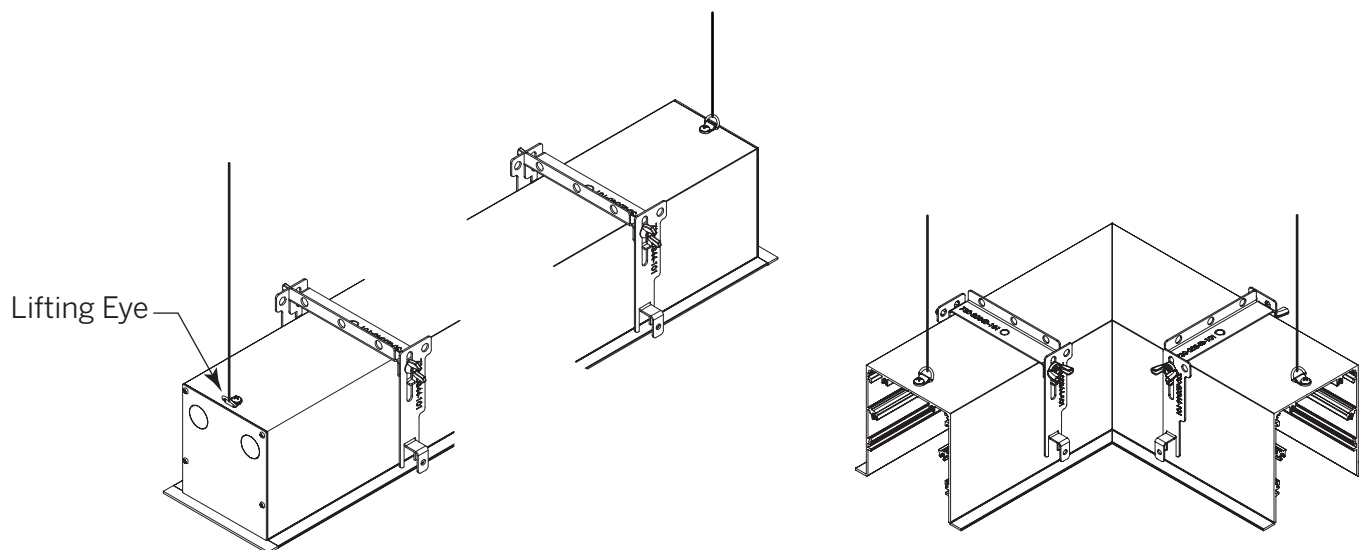
When installing a T-Grid ceiling, ensure there is a 5" spacing between centers of parallel T members for the light fixture housing to fit.



Step 3 - **Install Housing(s)**

All Units

- a** Attach Hanging Wire (by others) to Lifting Eyes at each end of Housing and mechanically fasten to structure. Add a bit of slack to wire length to allow units to be lowered into position. Be prepared to adjust Hanging Wire after Housing is mounted to grid ceiling.



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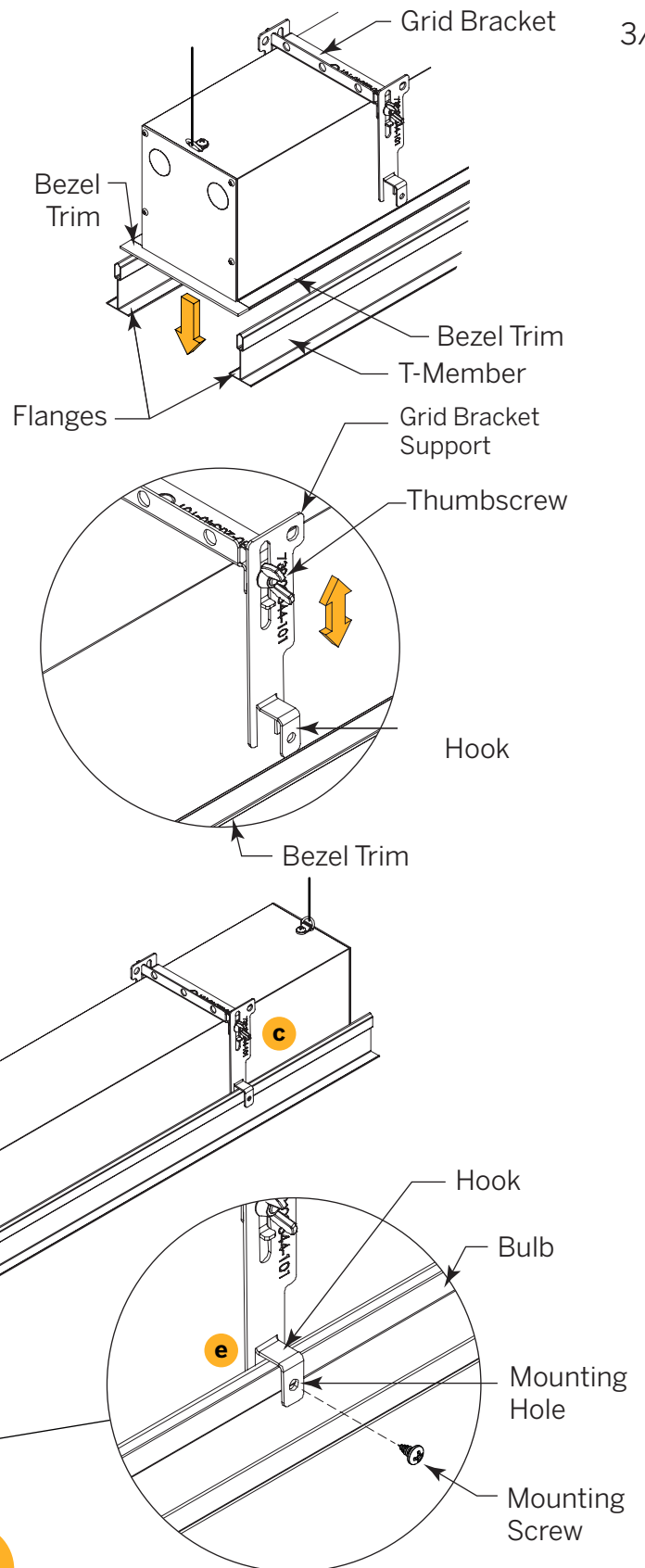
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Step 3 - *Install Housing(s)* (continued)

- b** Lower Housing onto T-Members, such that the Bezel Trim rests on the respective T-Member Flanges.
- c** Adjust height of the Grid Bracket Supports by loosening and re-tightening Thumbscrew. With Housing resting on T-Member Flanges, allow top of Hook to rest on top edge of T-Member. Repeat on other side of Bracket.
- d** Repeat above for other end of Housing.
- e** Fasten Grid Bracket Support Hook to T-Grid via Mounting Screws (by others). Repeat for both sides and both ends of Housing.

NOTE: Housings 60" to 96"L have (3) Grid Brackets. Repeat **steps d & e** for center Bracket.



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Step 4 - **Pull Power Feed into Housing**

- a** Remove Housing End Cap Knock-out.
- b** Install appropriate fitting (by others).
- c** Pull branch-circuit feed into Housing.

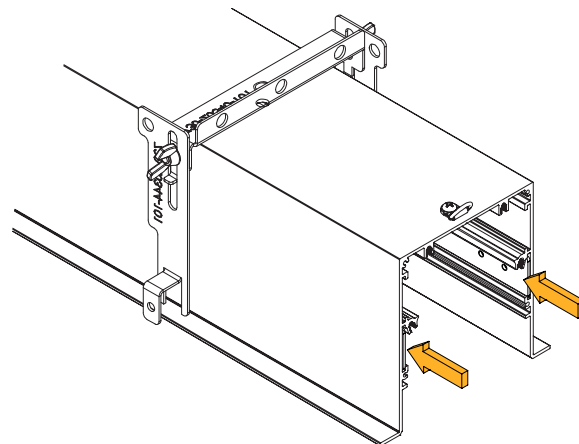
NOTE: For a Pattern - in which there are no End Caps - a 7/8" hole will be drilled in the top of one unit or more, if necessary.

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.

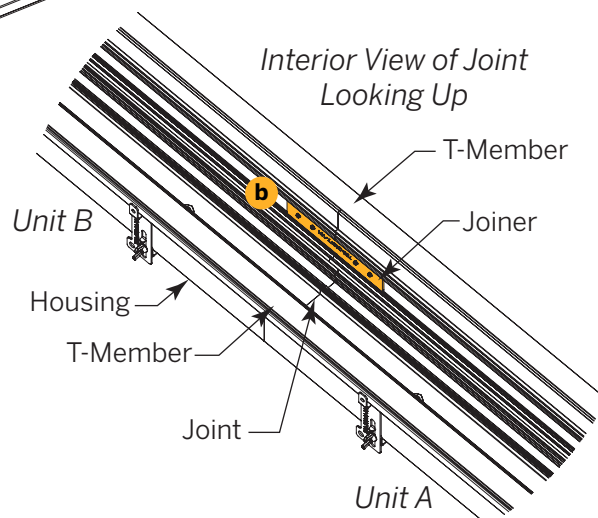
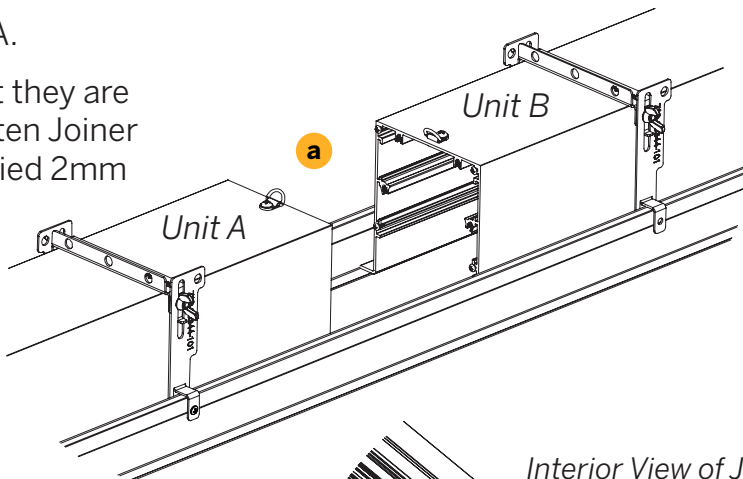
Do not fasten Joiners to Housing at this time.

NOTE: T-Members not shown for clarity



Step 6 - **Join Housings** - Multi Unit Run only

- a** Slide and butt up Unit B next to Unit A.
- b** Now slide both Joiners over such that they are situated equally across the Joint. Fasten Joiner with supplied Set Screws using supplied 2mm Hex Key. **Do not** overtighten as it risks deforming outer surface of Housing.
- c** Continue with **Step 3e** to attach Housing to T-Members.
- d** Attach Hanger Wire to each unit per **Step 3a**.
- e** Repeat **Step 6** for the remainder of Run.



Chicago Plenum

As Housings are drawn together apply silicone caulk to outside joint. Ensure that squeeze-out does not interfere with Joiners sliding into final position.

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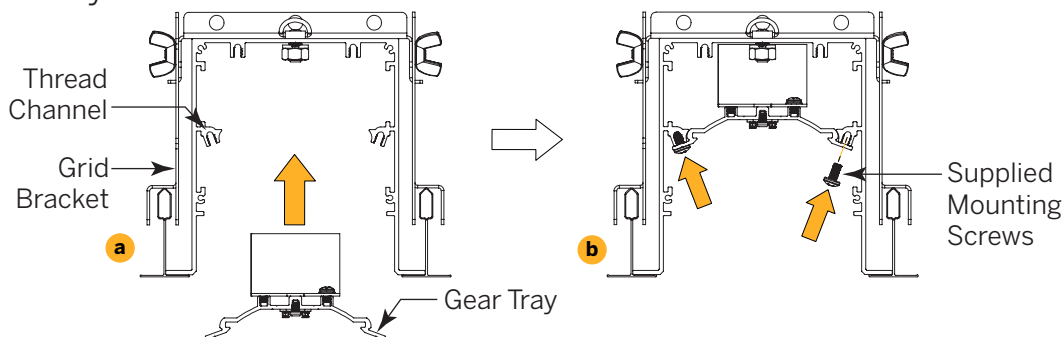
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Step 7 - *Install Gear Tray*

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

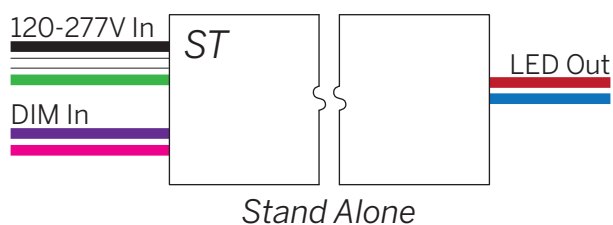


NOTE: The number of Drivers depends on length of Fixture and Power Levels specified. As such, there may be more than one Driver and Luminaire Power Feed. Similarly, controllers will add a second pair of feeds to each Driver.

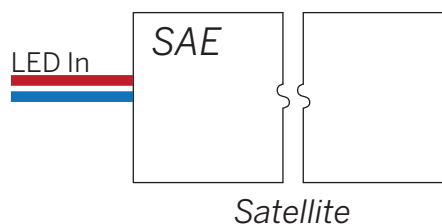
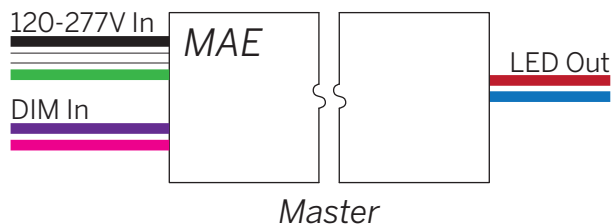
Step 8- *Wiring*

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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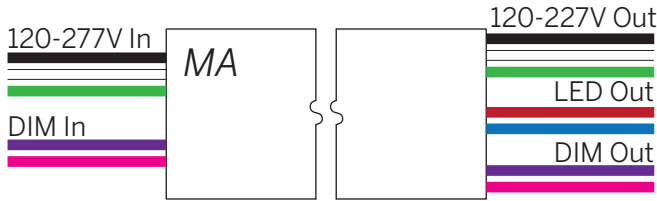
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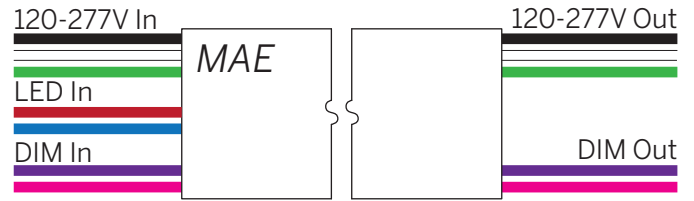
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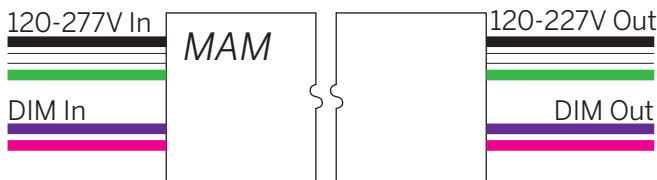
Step 8- **Wiring** (continued)



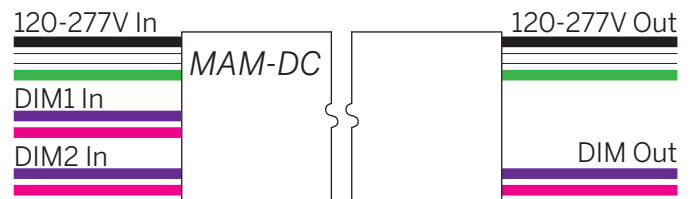
Master with Through Wiring



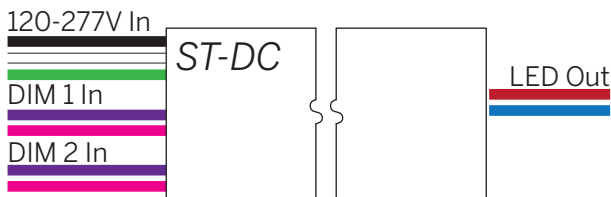
Satellite with Through Wiring



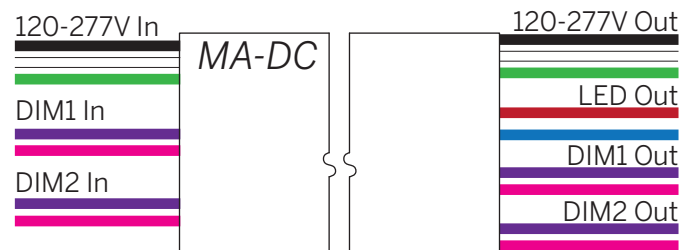
Master to Master



Master to Master-DC



Stand Alone - DC



Master with Through Wiring - DC

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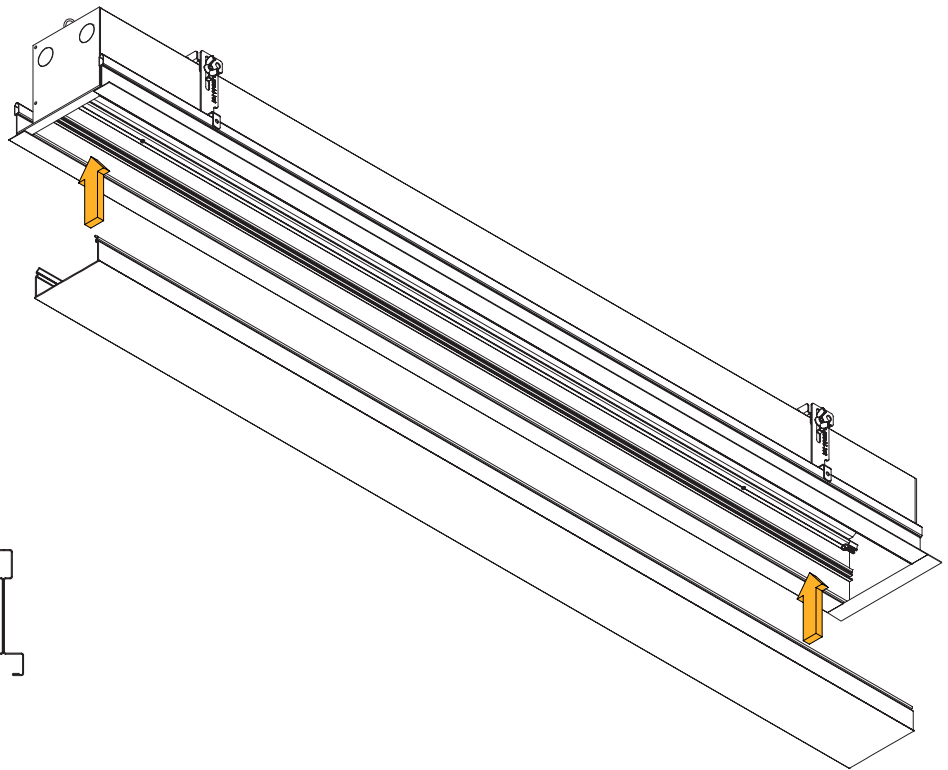
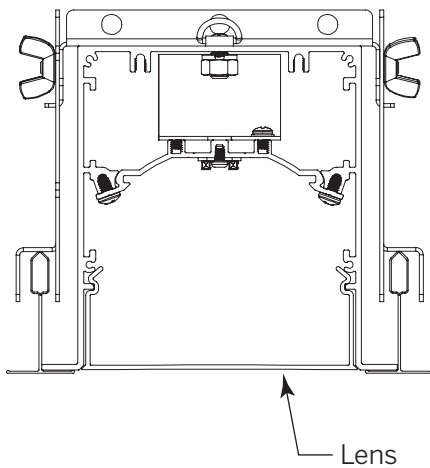
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Step 10 - *Install Lens*

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



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