Z Cove
WG-ZC- RPT

Installation Instructions

Perimeter
Recessed Plaster Trim

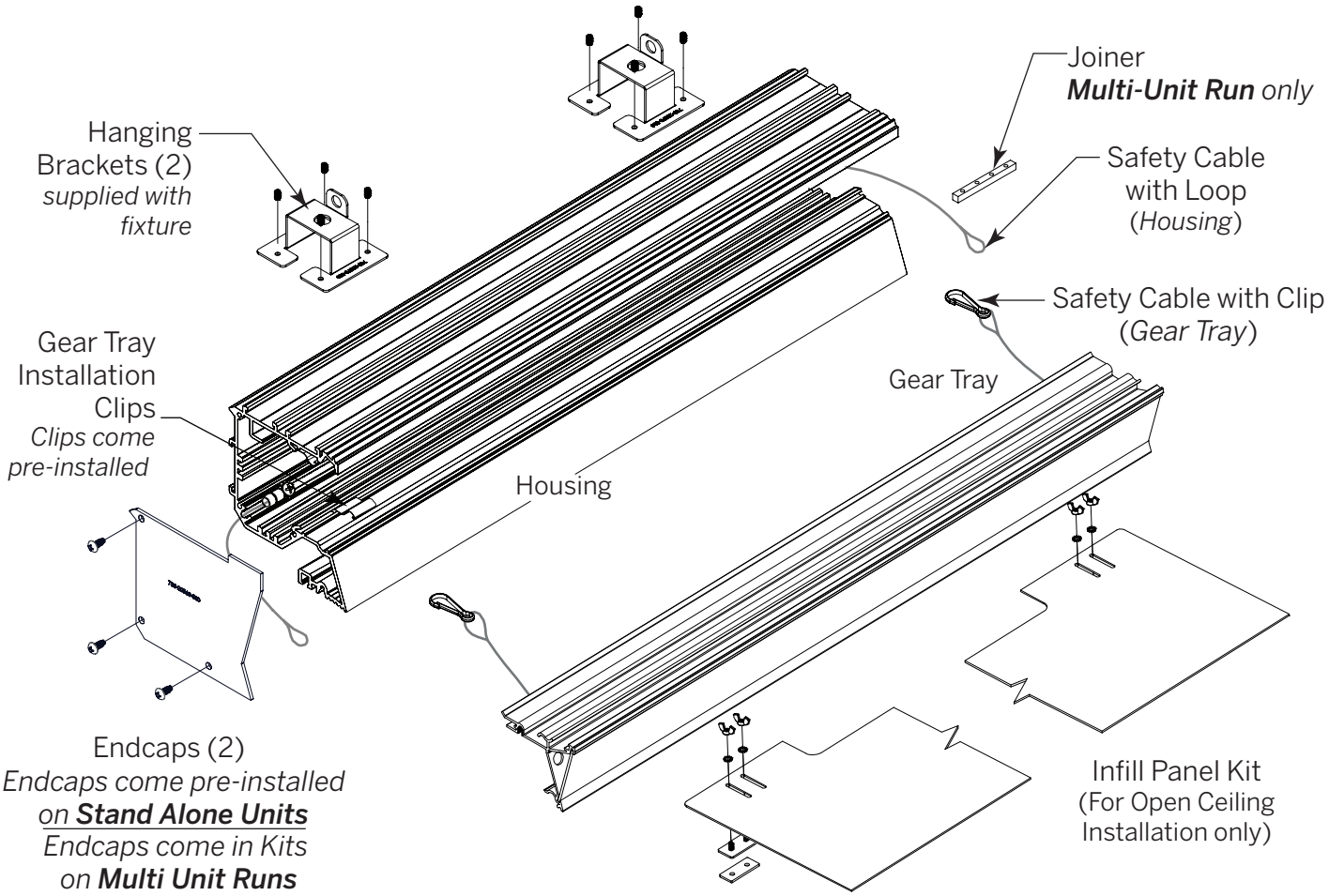
Luminaires must be installed by a qualified electrician. Check with local and national codes for proper installation.

To prevent electrical shock disconnect electrical supply before installation or servicing.
Never connect 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 is comprised of (2) major parts: Housing and Gear Tray. For Open Ceiling Installations, an Infill Panel Kit is available. Integral Drivers supplied by Inter-lux.



Note: Infill panels supplied in one of (2) customer specified widths: Adjustable 4-5" and Adjustable 5-6".

Mounting Clips, LED board, Driver, and Safety Cables pre-installed at factory

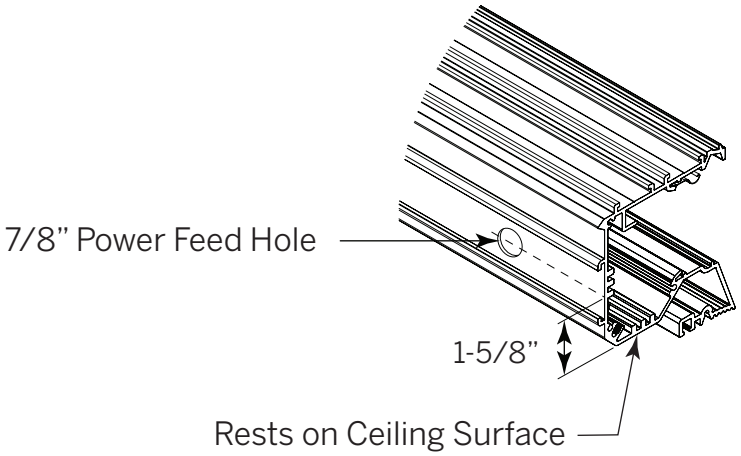
Need Help?

Infill Panels, End Caps, and Hanging Brackets are supplied with mounting screws.

Step 2 - ***Prep Housing***

Power Feed Hole

Drill 7/8" Power Feed Hole in Housing 1-5/8" above ceiling surface. In Multi Unit Runs, this is necessary only on units that receive an incoming power feed. Conduit Clamp supplied by others.

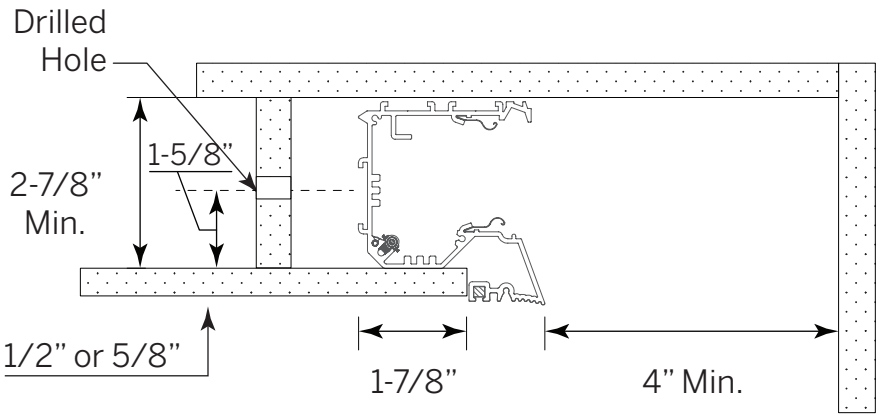


Step 3 - ***Prep Ceiling***

False Ceiling

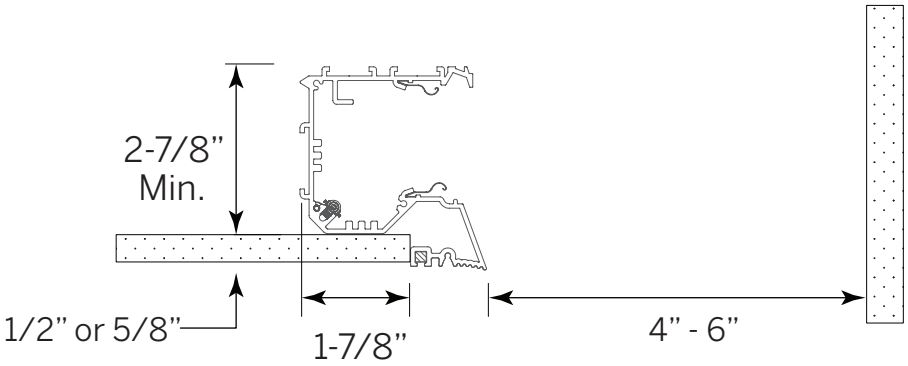
a Construct False Ceiling of 1/2" or 5/8" drywall as having minimum dimensions as shown at right.

b Drill hole in Riser 1-5/8" above ceiling surface for Power Feed to pass through.



Open Ceiling

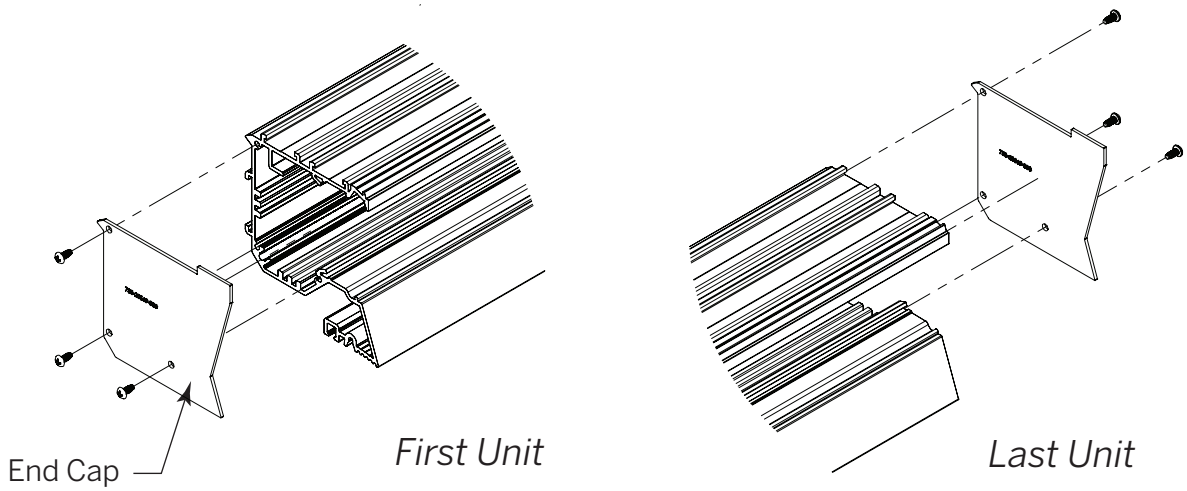
Open Ceiling minium dimensions shown at right.



Need Help?

Step 4 - ***Install End Caps*** - *Multi Unit Run only*

Install End Cap on first unit at beginning of run and last unit at end of run, using supplied #4-40 Phillips head screws.

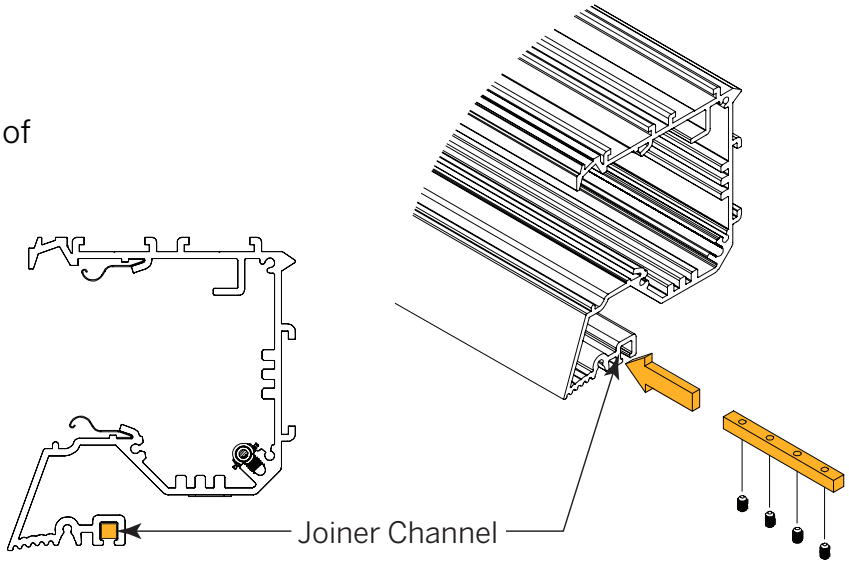


Step 5 - ***Join Units*** - *Multi Unit Run only*

a Insert Joiner into Channel at bottom of Housing, as shown at right.

Secure with Supplied Set Screws

Repeat for each Unit in Run.

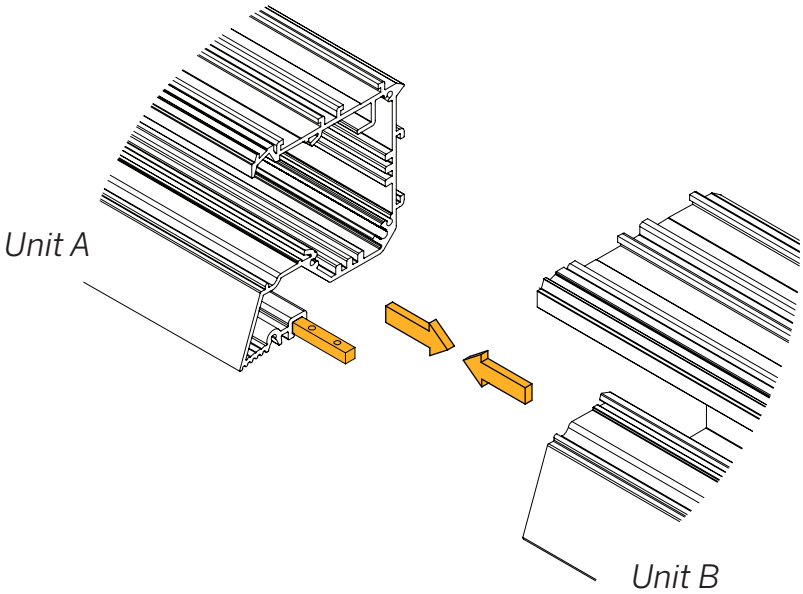


Need Help?

Step 5 - ***Join Units*** *(continued)*

b Draw Unit A and Unit B together. Fit Joiner into corresponding channel in Unit A.

b Tighten Joiner Set Screws onto Unit B. ***Do not*** overtighten.

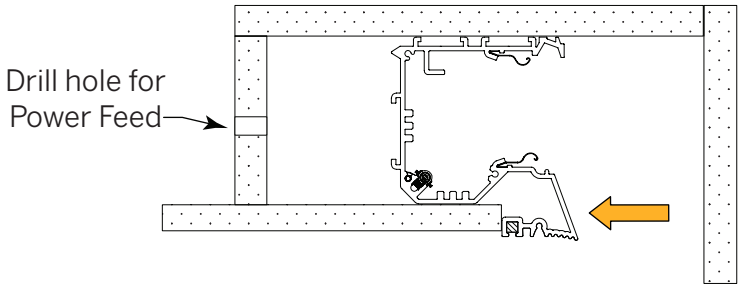


NOTE: If Joiner slides when fitting into corresponding channel, reach into housing curving fingers down and around to slide Joiner back to center between the two units.

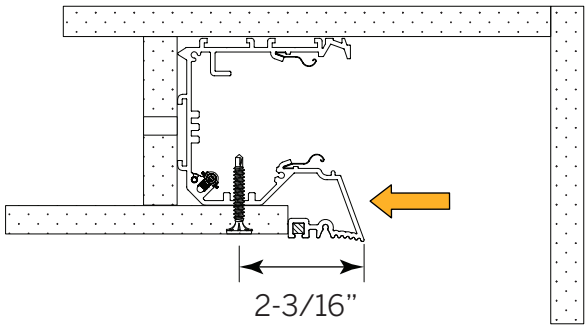
Step 6 - ***Install Housing***

False Ceiling

a Align Housing with False Ceiling and insert as shown at right.



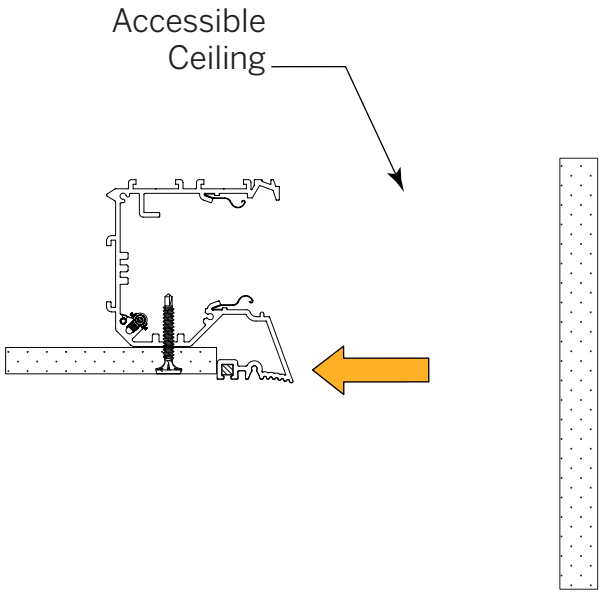
b Secure with flat head screws (by others).



For installation in an Open Ceiling, skip to **Step 6** or **7**

Need Help?

Step 6 - ***Install Housing*** *(continued)*



Accessible Open Ceiling

If ceiling will be ***Accessible*** after drywall installed,

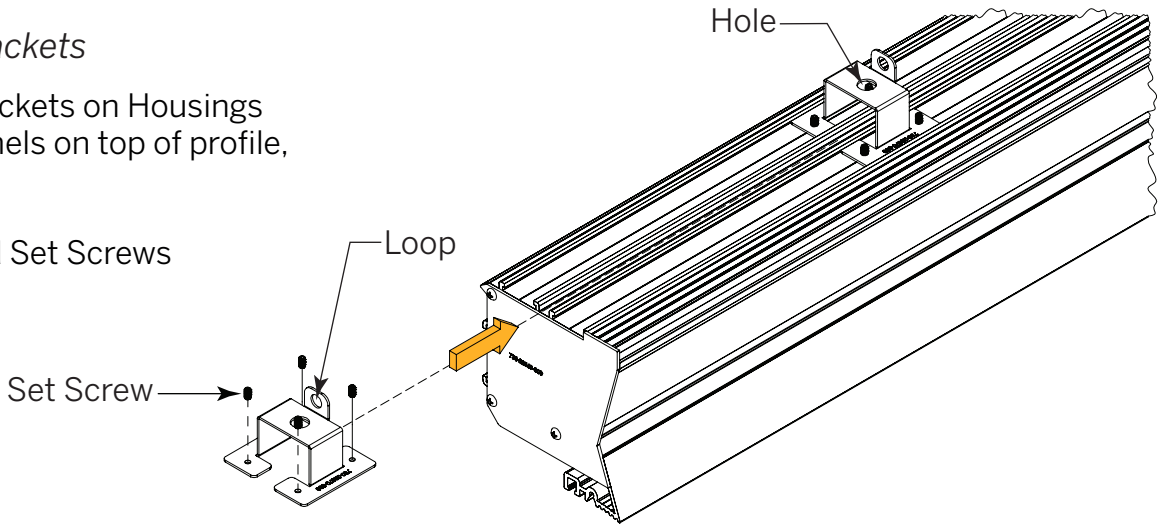
- **a** Align Housing with Open end of Ceiling and insert as shown at right.
- **b** Secure with flat head screws (by others).
- **c** If required, mount Hanging Brackets and/or Infill Panel(s) as directed in below

Inaccessible Open Ceiling

IMPORTANT: If ceiling will ***Not*** be ***Accessible*** after drywall installed, ***do not*** install ceiling before installing Lighting. Hanging Brackets and Infill Panel(s) are required and must be installed first.

Install Hanging Brackets

- **a** Secure Hanging Brackets on Housings by sliding into channels on top of profile, as shown.
- **b** Fasten with supplied Set Screws as shown at right.



Need Help?

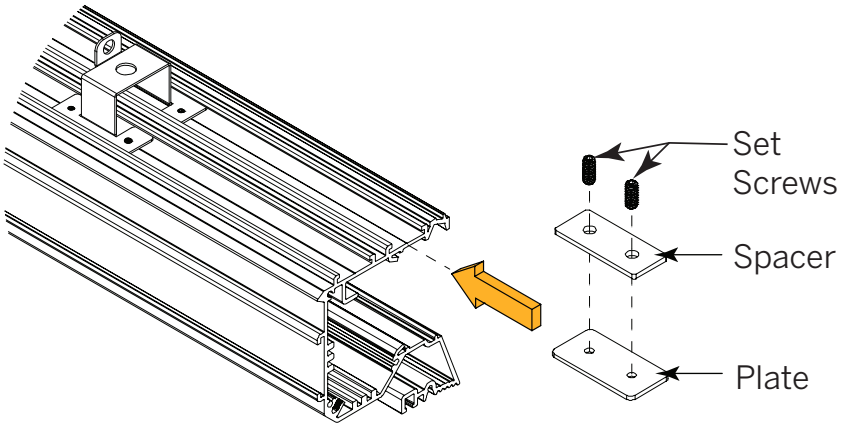
Step 6 - ***Install Housing*** *(continued)*

Install Infill Panel
(Inaccessible Ceiling only)

a Place Z Cove Spacer on top of Plate. Insert **M4 Flat Head** Set Screws through both together.

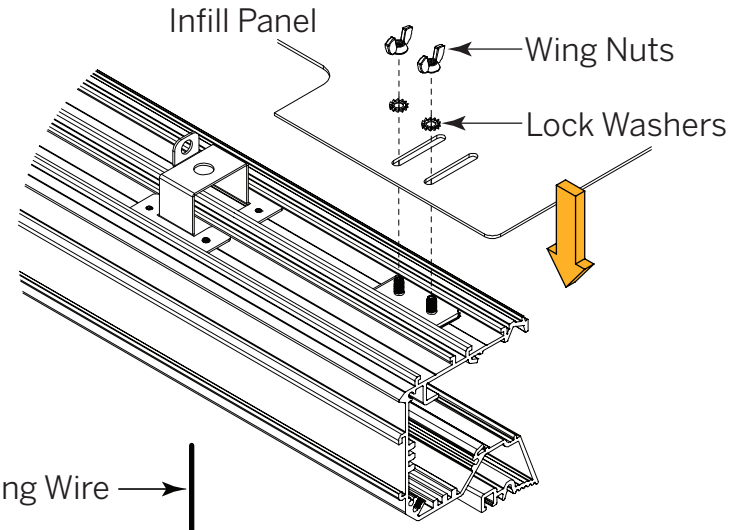
b Slide assembly through front channel on top of Housing. Tighten Set Screws to fasten to top of Housing.

Repeat for right and left sides. Some lengths may have an additional fixation point.



c Lower Infill Panel onto top of Housing such that Set Screws pass through slots in Panel.

d Fasten with Wing Nuts and Lock Washers.

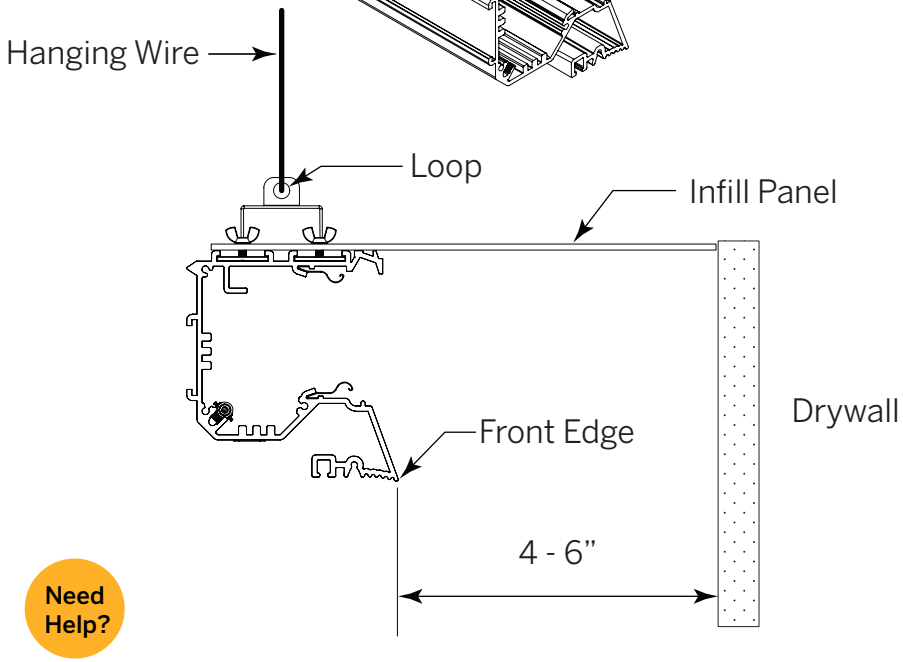


Hang Fixture

a Attach Hanging Wire (by others) to Loop, or Suspension Rod (by others) to Hole.

b Hang Fixture such that the Front Edge of profile is between 4-6" from the wall.

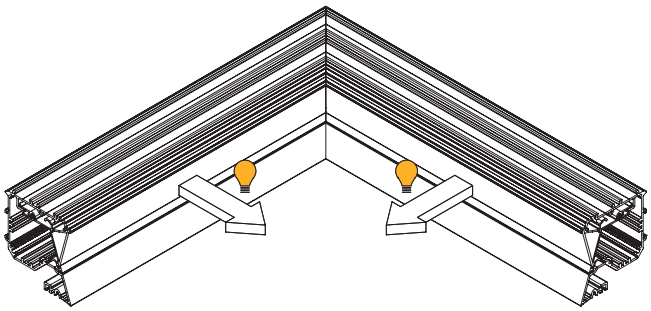
c Adjust depth of Infill Panel, as necessary.



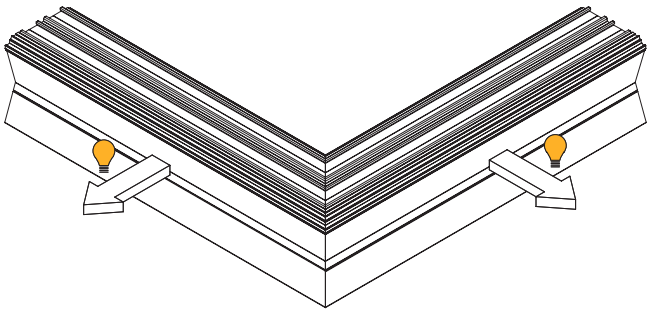
Need Help?

Step 6 - ***Install Housing*** *(continued)*

When installing a Pattern, the customer may find it easier starting with a Corner. The Pattern Inside and Outside Corners (PI and PO) are welded at the factory. Follow ***Steps 2*** to ***6*** to mount to existing Run. Arrows indicate light direction.



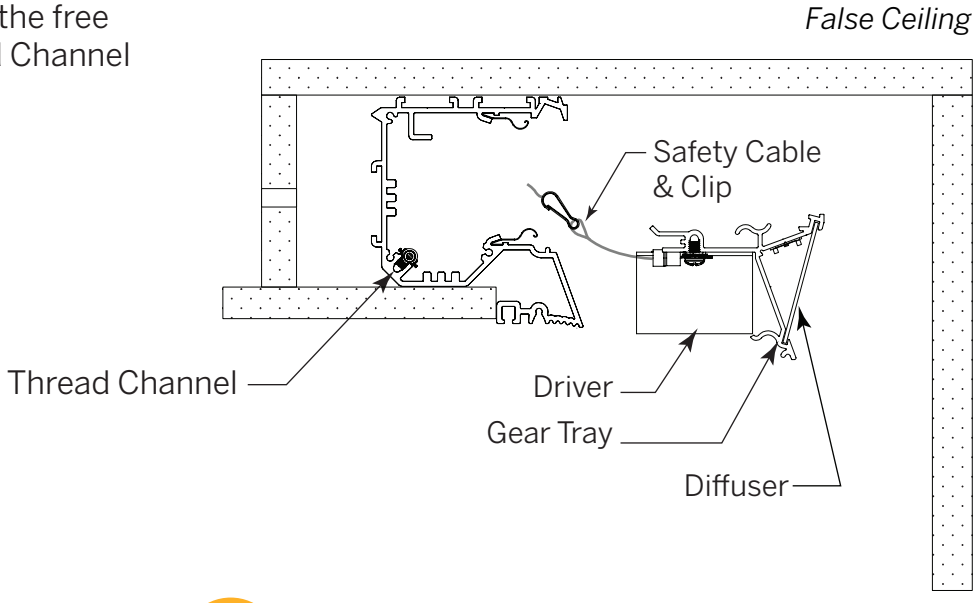
Pattern Inside (PI)



Pattern Outside (PO)

Step 7 - ***Install Safety Cable***

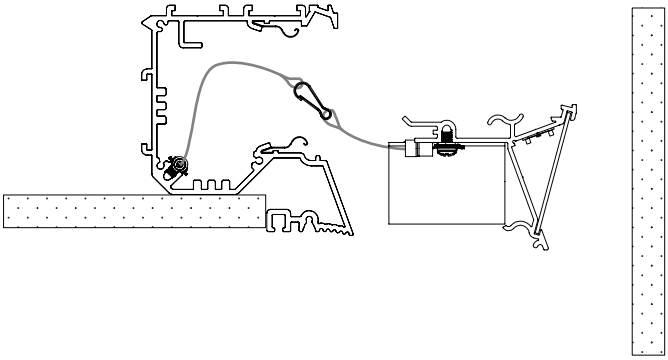
The factory attaches the two-part Safety Cable to the Gear Tray. Fasten the free end (with screw) to the Thread Channel in Housing, shown at right.



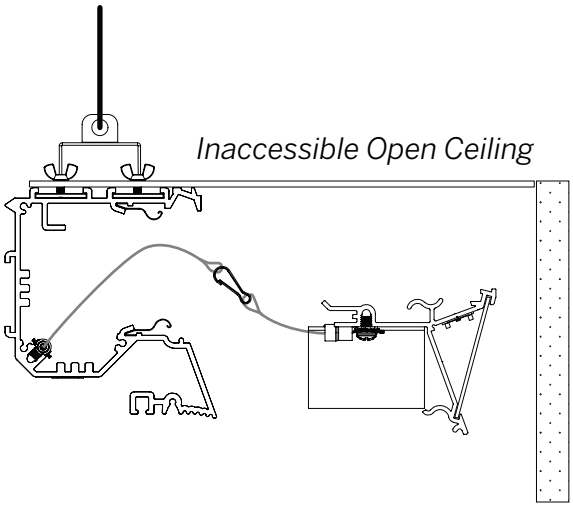
Need Help?

Step 7 - ***Install Safety Cable*** *(continued)*

Accessible Open Ceiling



Inaccessible Open Ceiling

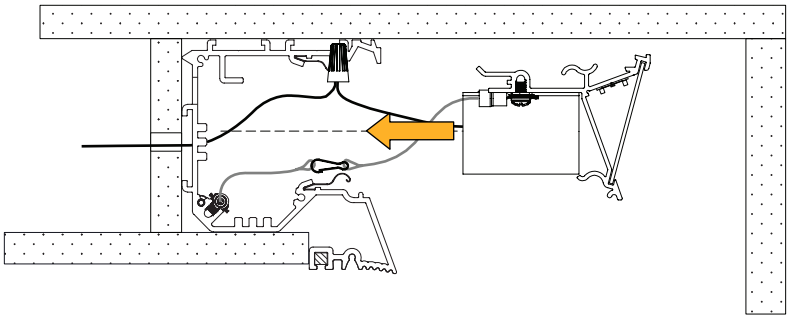


Step 8 - ***Wire & Install Gear Tray***

Select relevant Wiring Diagram found at the end of this document. For more detailed information, see the Driver Information pages for this product on our website.

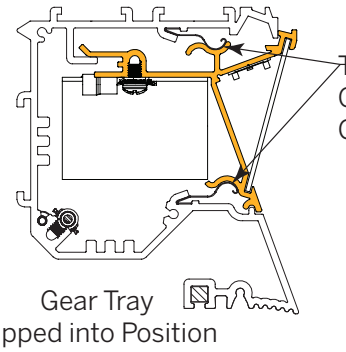
- **a** Pull Power (and Control) Feed wires through holes in Housing.
- **b** Connect wires from Driver to Power Feed.
- **c** Gently insert Gear Tray into Housing until caught by Mounting Clips.
- **d** Energize!

False Ceiling

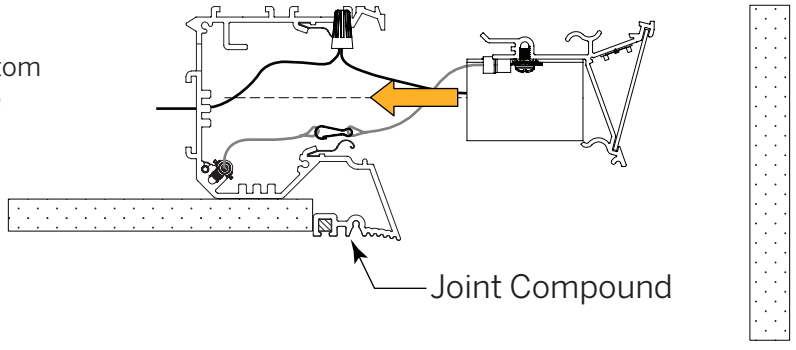


Wiring and Safety Cable not shown for clarity

c



Accessible Open Ceiling



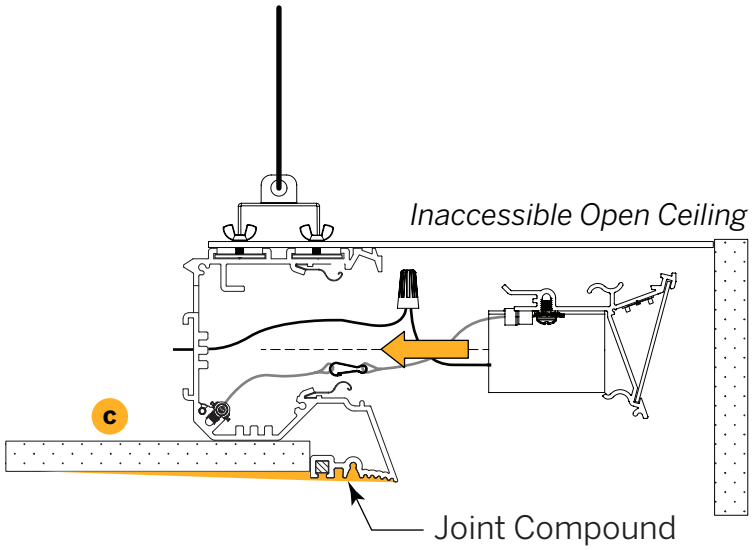
Need Help?

Step 9 - ***Install Ceiling and/or Apply Joint Compound***

a For a ***False Ceiling*** or an ***Accessible Open Ceiling***, apply Joint Compound under nose of profile covering all channels (including pin channel) and screws, feathering all edges.

b For an ***Inaccessible Open Ceiling***, now is the time to confirm that all Hanger Brackets, Infill Panels, Joiners, Hange Wire, structural connections, and electrical connections have been installed correctly.

Once the drywall ceiling is installed it will be ***impossible*** to make further adjustments.



c Install ceiling such that drywall edge parallel with Fixture butts up against plaster channels of profile, as shown at right.

d After ceiling installation, follow substep **a** to apply Joint Compound.

Wiring Diagrams

E1 = eldoLED 0.1% dimming, 0-10V, *(Static White only)* p. 10
L1 = Lutron 1% dimming, Ecosystem, *(Static White only)* p. 10
D2DT6 = eldoLED DALI-2 (DT6), 0.1% dimming, *(Static or Tunable White)* p. 11
D2DT8 = eldoLED DALI-2 (DT8), 0.1% dimming, *(Tunable White only)* p. 11
D010 = eldoLED, 10% 0-10V dimming, *(Warm Dim only)* p. 12
DPH = Phase Dimming, 1% dimming, *(Remote Driver/Warm Dim only)* p. 12
L3DAE = Lutron Hi-lume 1% EcoSystem, *(Warm Dim only)* p. 13
L3D0E = Lutron Hi-lume Premier 0.1% EcoSystem, *(Remote Driver/Warm Dim only)* p. 13
EL96 = eldoLED 0-10V, 0.1% dimming, *(Warm Dim only)* p. 14
DALI = eldoLED DALI-1 (DT6), 0.1% dimming, *(Warm Dim only)* p. 14
DMX = eldoLED 24V, 0.1% DMX dimming, *(Warm Dim + RGBW only)* p. 15

All Drivers available as Integral or Remote unless otherwise noted.

Need Help?

Wiring Diagrams

10/15

E1 = eldoLED 0.1% dimming, 0-10V (120-277V)

Static White only!

30W

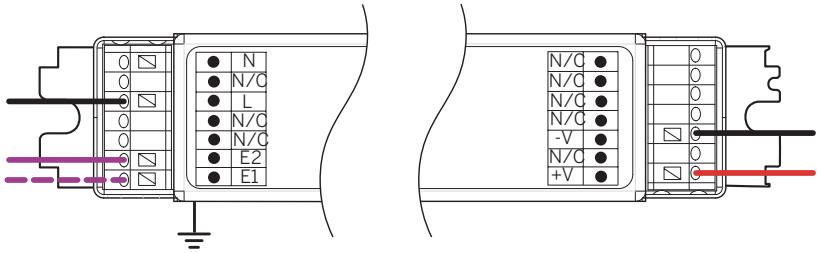


75W



L1 = Lutron 1% dimming, Ecosystem (120-277V)

Static White only!



Ground

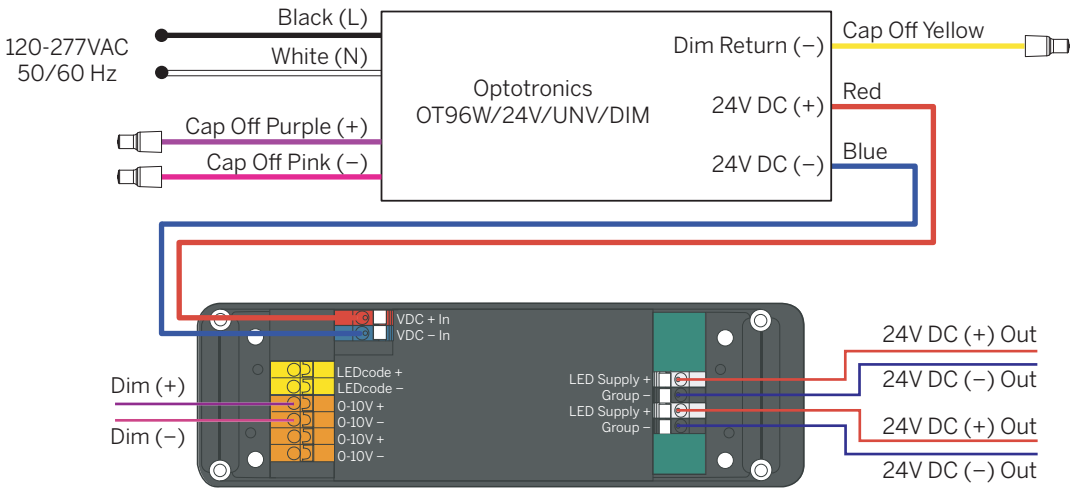
Need Help?

Wiring Diagrams

11/15

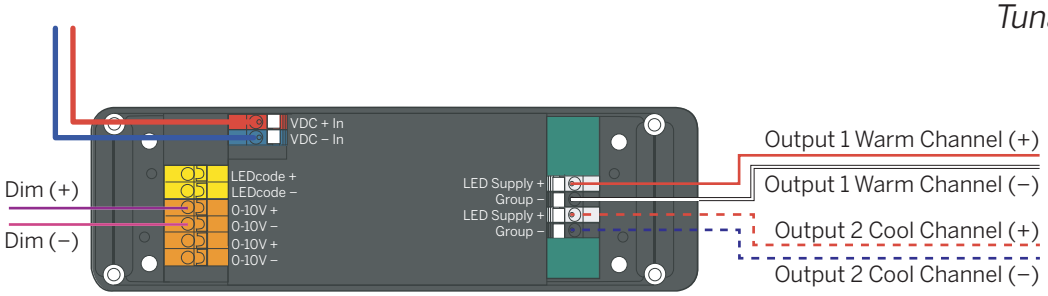
D2DT6 = eldoLED DALI-2 (DT6), 0.1% dimming (120-277V)

Static White only!



LINEARdrive 211D
2 LED Groups
1 Control Channel

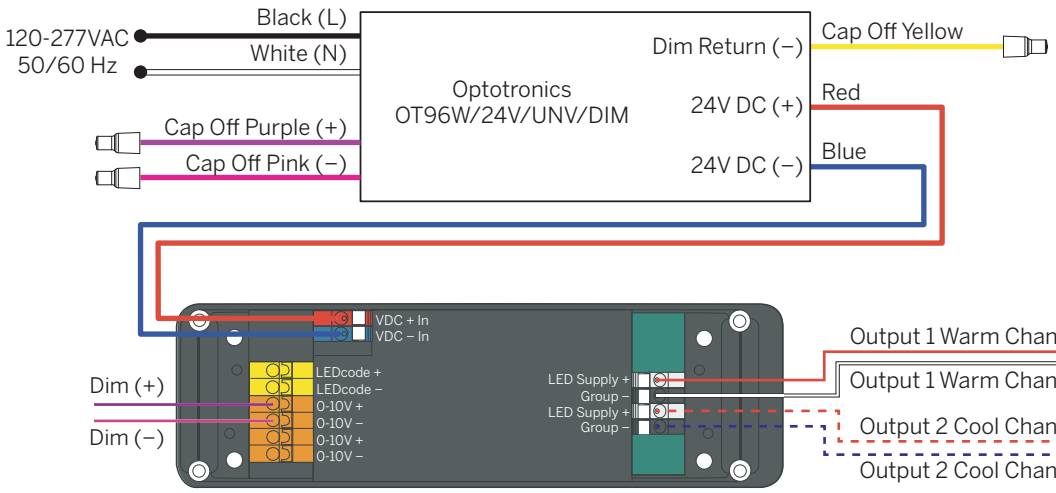
Tunable White only!



LINEARdrive 211D
2 LED Groups
1 Control Channel

D2DT8 = eldoLED DALI-2 (DT8), 0.1% dimming (120-277V)

Tunable White only!



LINEARdrive 211D
2 LED Groups
1 Control Channel

Need Help?

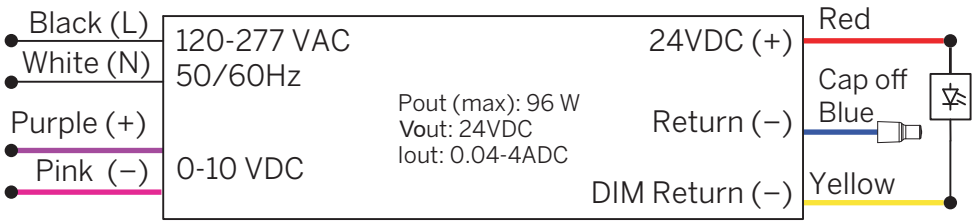
Wiring Diagrams

12/15

D010 = eldoLED, Non-Dim or 10% 0-10V dimming (120-277V)

Warm Dim only!

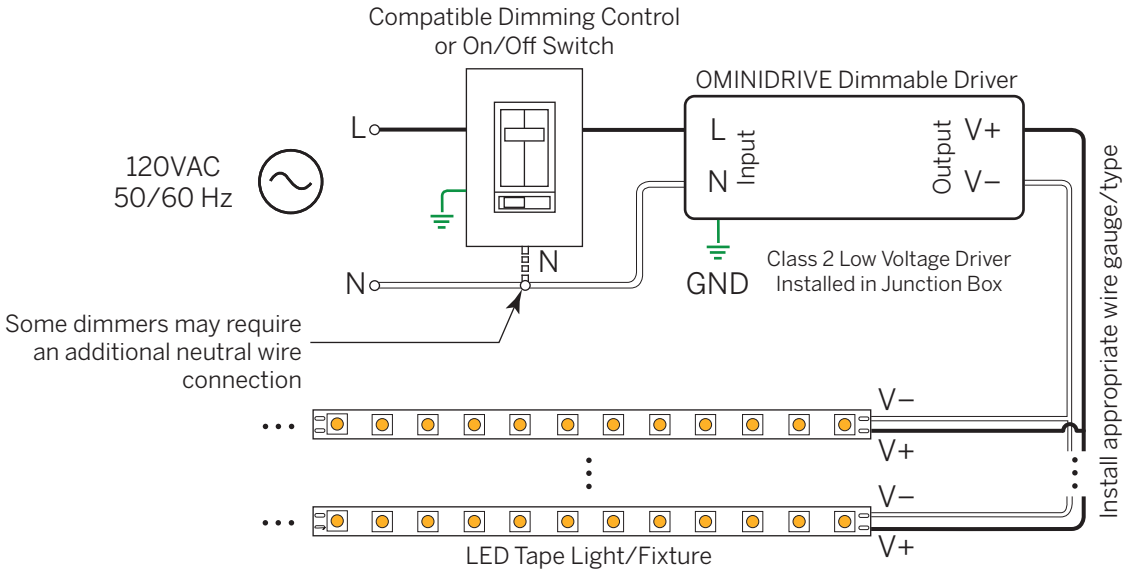
Dimming



WARNING: If not connected to a 0-10V dimmer, driver MUST be wired as Non-dim. Not doing so can cause the driver and the fixtures to fail prematurely.

DPH = Phase Dimming, 1% dimming (120V only)

Remote Driver/Warm Dim only!

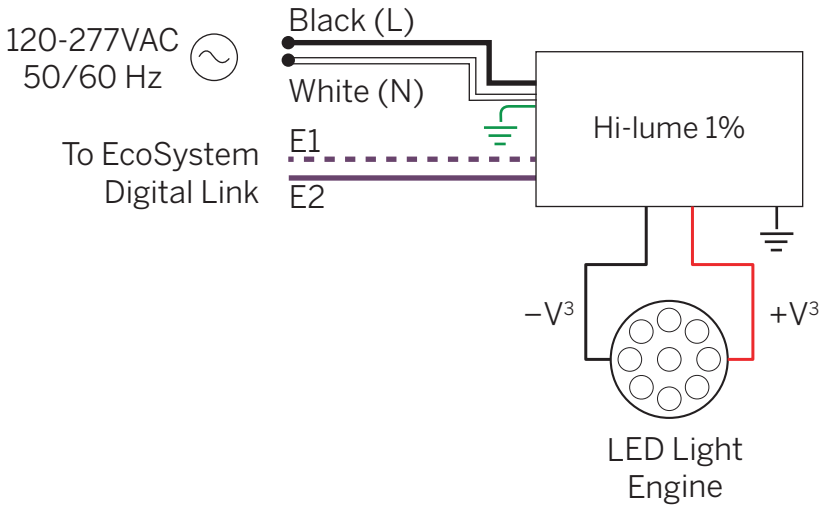


Need Help?

Wiring Diagrams

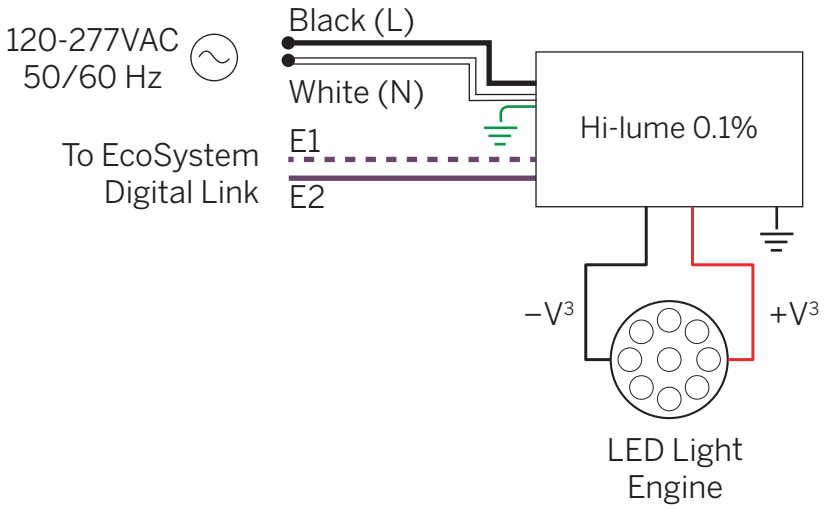
L3DAE = Lutron Hi-lume 1% EcoSystem (120-277V)

Warm Dim only!



L3D0E = Lutron Hi-lume Premier 0.1% EcoSystem (120-277V)

Remote Driver/Warm Dim only!

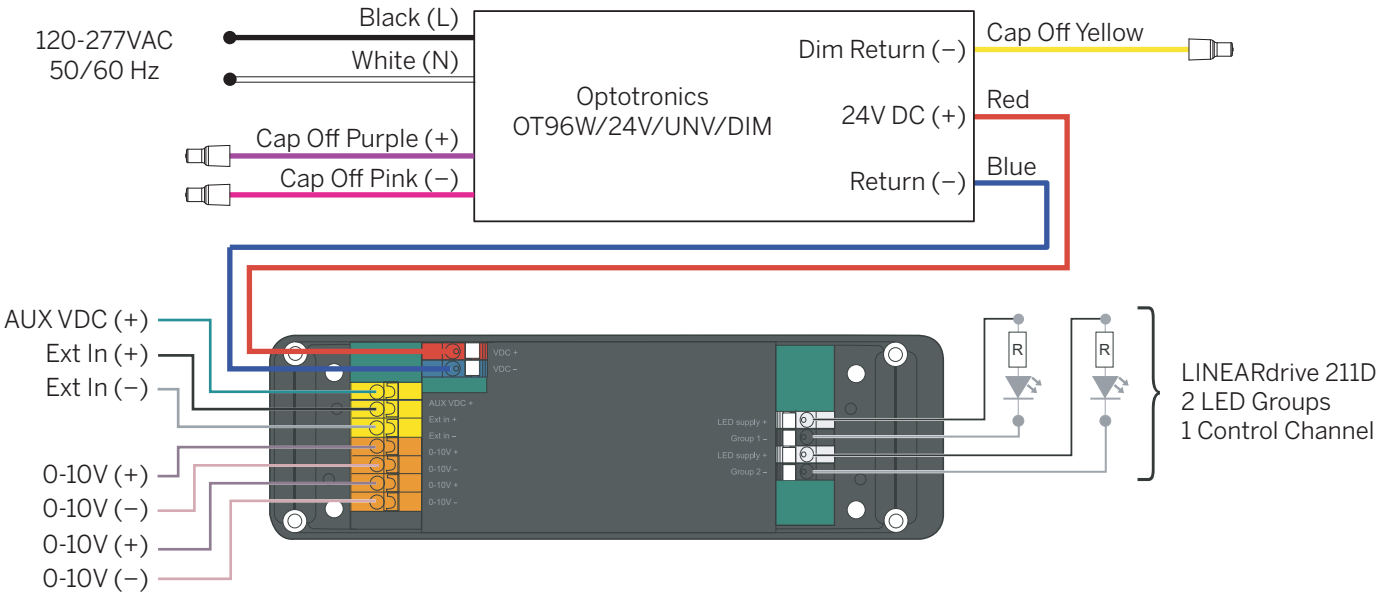


Need Help?

Wiring Diagrams

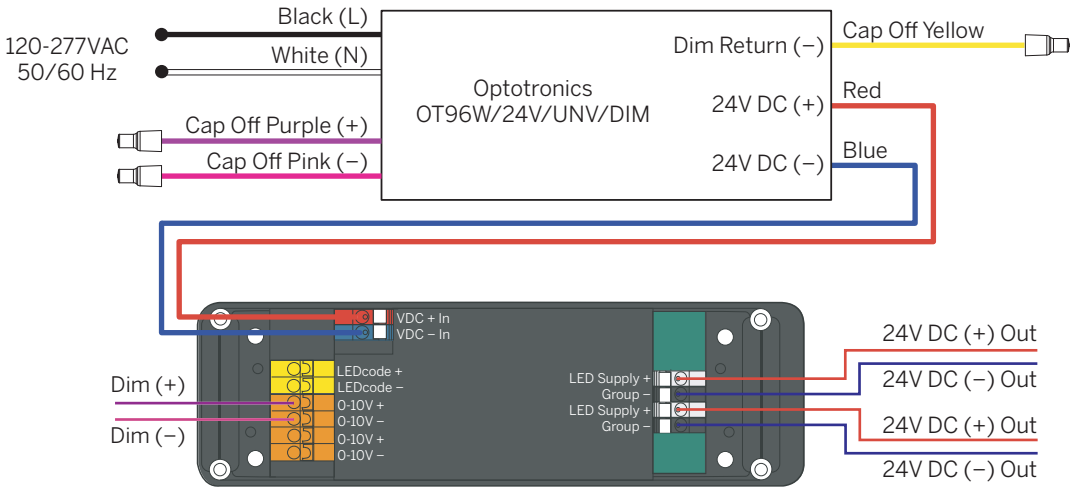
EL96 = eldoLED 0-10V, 0.1% dimming (120-277V)

Warm Dim only!



DALI = eldoLED DALI-1 (DT6), 0.1% dimming (120-277V)

Warm Dim only!

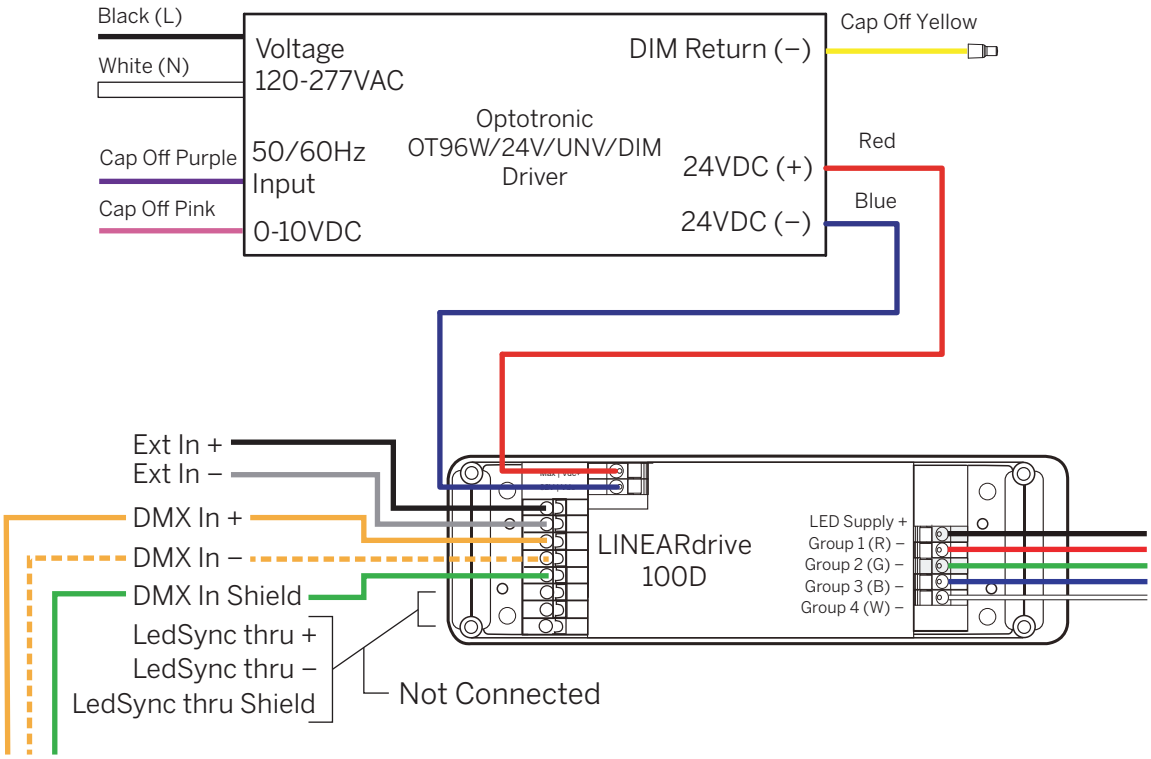


Need Help?

Wiring Diagrams

DMX = eldoLED 24V, 0.1% DMX dimming

Warm Dim + RGBW only!



NOTE: A second OT96W & LINEARdrive 100D pair may be daisy-chained to the first set of DMX connectors (DMX In +, DMX In –, DMX In Shield). A third pair may be daisy-chained to the second, etc.