20 Linear Mini Edgeless Cove

WG-20MEC-RPT

Installation Instructions

Cove

Recessed Plaster Trim

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

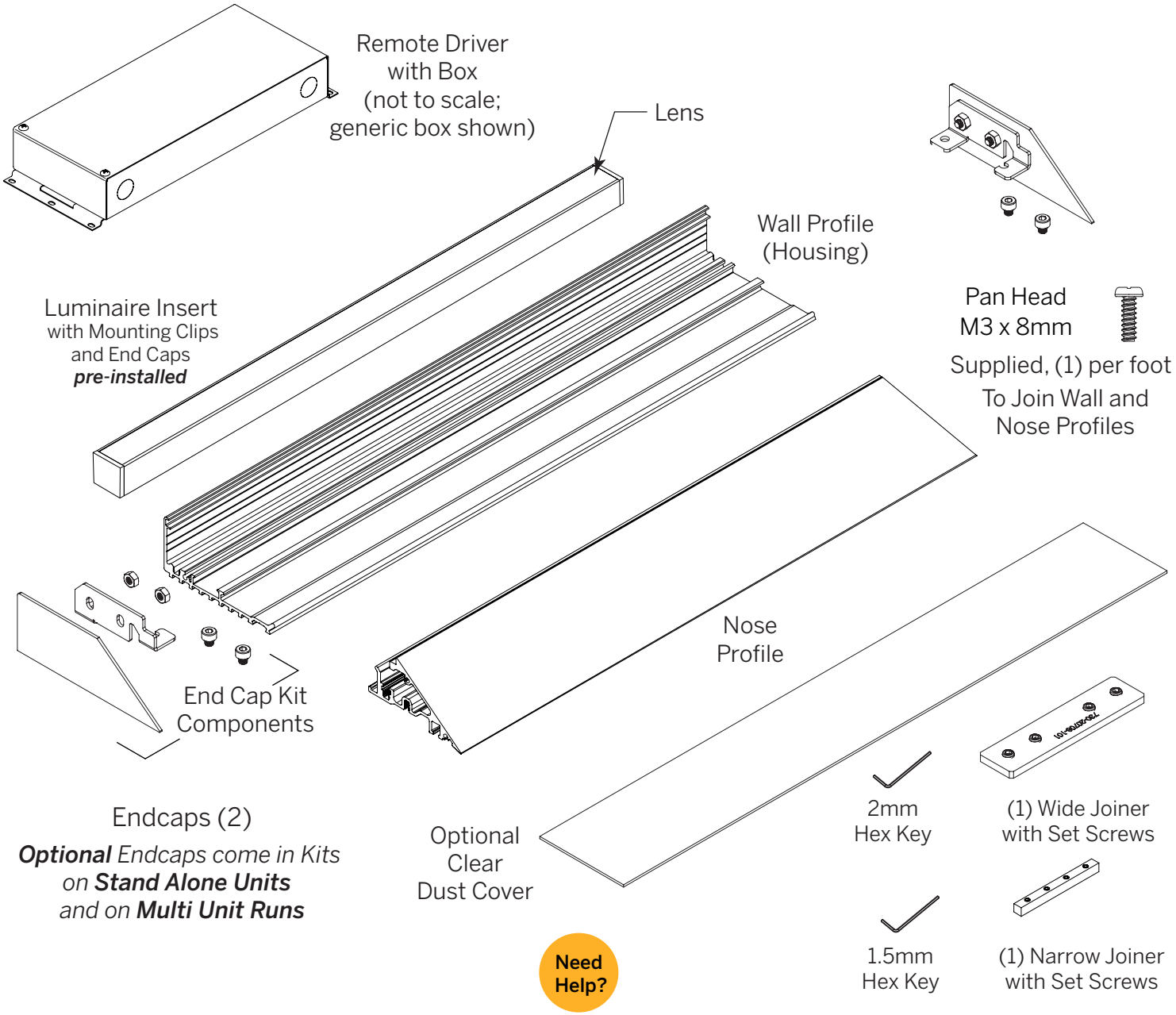
To prevent electrical shock disconnect electrical supply before installation or servicing.

Never connect 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: Wall Profile, Nose Profile, Luminaire with Diffuser, and Remote Driver with Box. Plenum-rated cable with bare leads is also provided. Remote Drivers and Boxes are supplied by Inter-lux.



Need Help?

20 Linear Mini Edgeless Cove

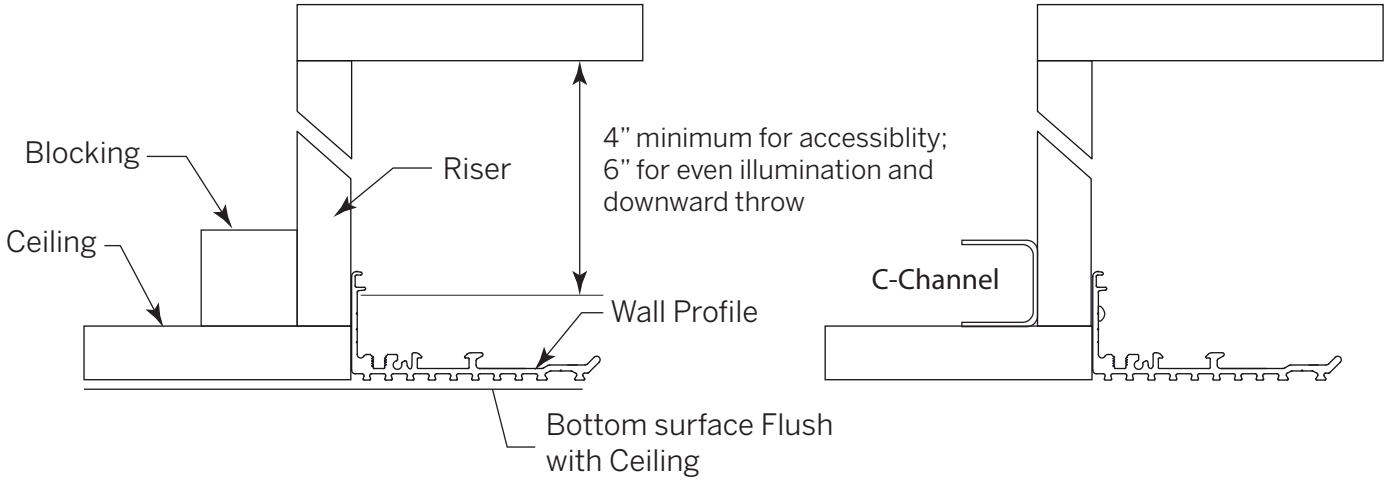
WG-20MEC-RPT

Cove
Recessed Plaster Trim

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Step 2 - **Surface Prep**

We recommend installing blocking behind Riser of False Ceiling for extra support, whether wood or a metal C-channel.



Step 3 - **Profile Prep**

a Drill a Feed hole for Power Cable. Contractor to determine size and location on fixture. In a ***Multi Unit Run***, this hole needs to be drilled in each length of Housing.

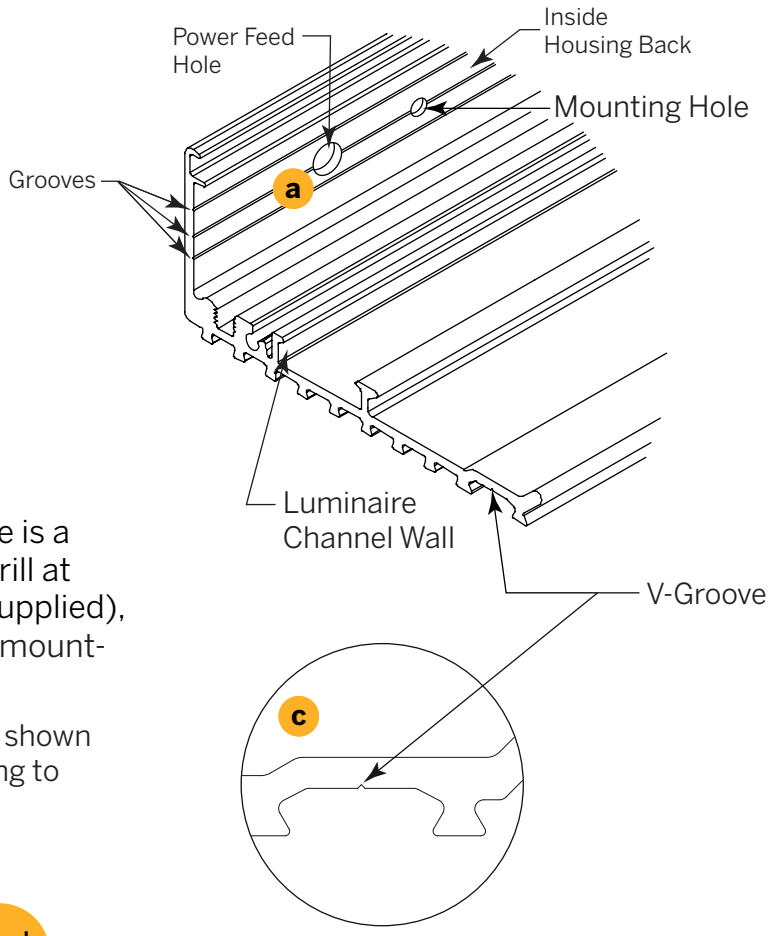
NOTE: Feed Hole needs only to be large enough for the low voltage cable to the Remote Driver.

b Position Wall Profile such that bottom surface is flush with ceiling, as shown above. Drill mounting holes along the most appropriate one of (3) Grooves on Inside Housing Back.

Size holes for screws and anchors (by others).

c At the bottom front edge of the Wall Profile, there is a channel with a small V-groove. On this groove, drill at least 2 clearance holes sized for an **M3 screw** (supplied), appropriately spaced. For a ***Multi Unit Run***, drill mounting holes in subsequent units in a like manner.

NOTE: Locations of Power Feed and Mounting Holes shown above are for illustration only. Refer to Record Drawing to determine location based on specific installation.

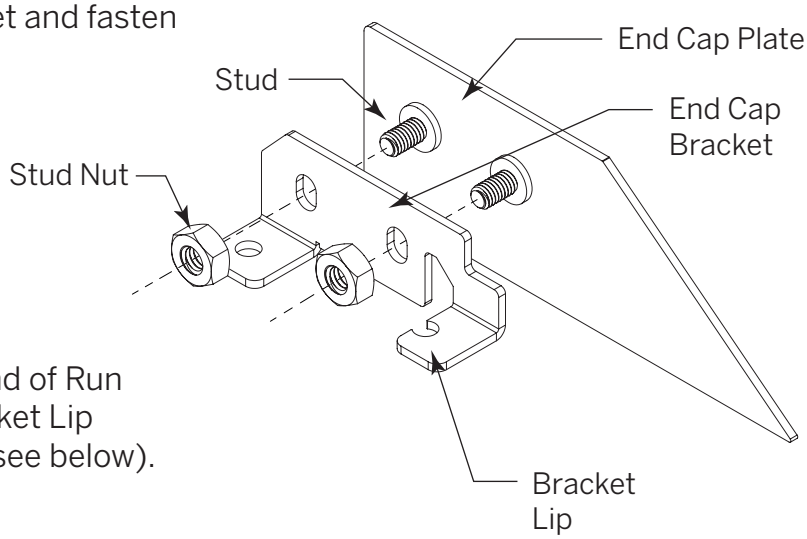


Need Help?

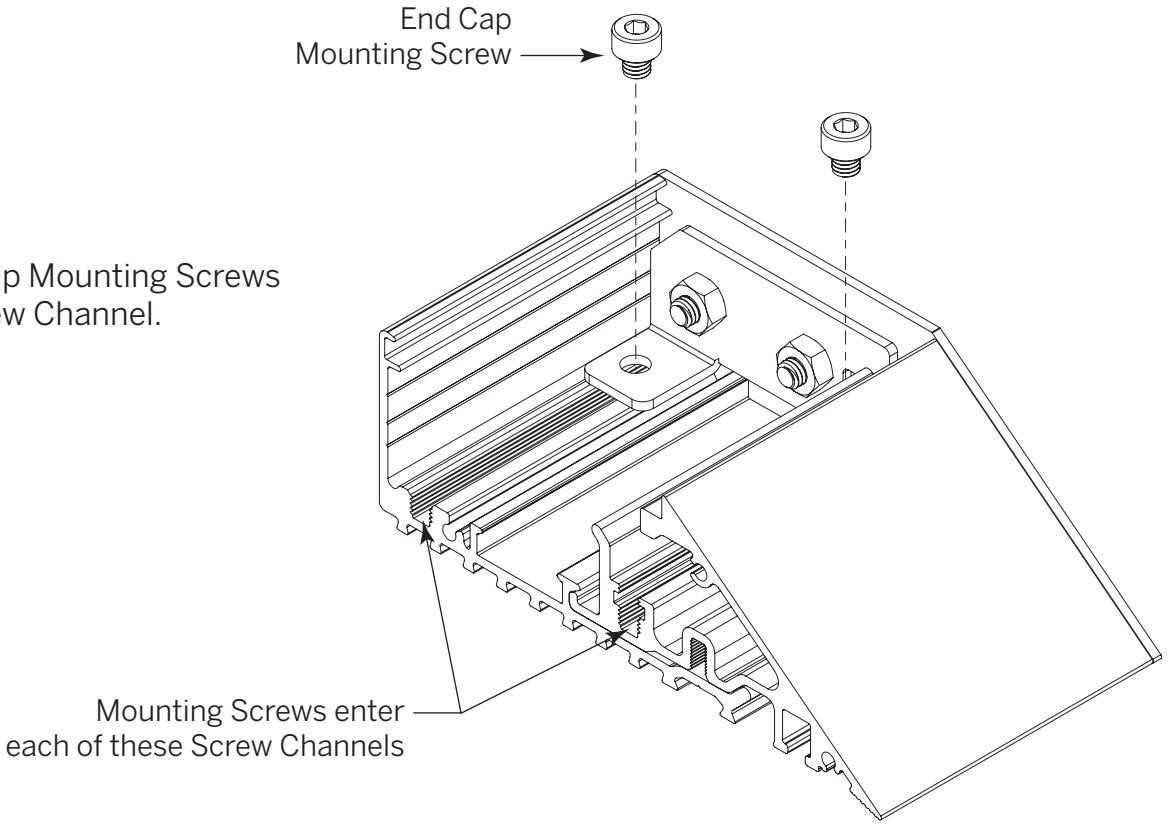
Step 4 - ***Install*** *(Optional)* ***End Caps***

Each Kit comprises of (1) End Cap Plate with threaded Studs, (1) End Cap Bracket, (2) Stud Nuts, and (2) Mounting Screws.

a Insert Studs into slots in End Cap Bracket and fasten with Stud Nuts.



b Insert End Cap assembly into Start or End of Run (End of Run shown) such that each Bracket Lip rests on its respective Screw Channels (see below).



c Fasten End Cap Mounting Screws into each Screw Channel.

Need Help?

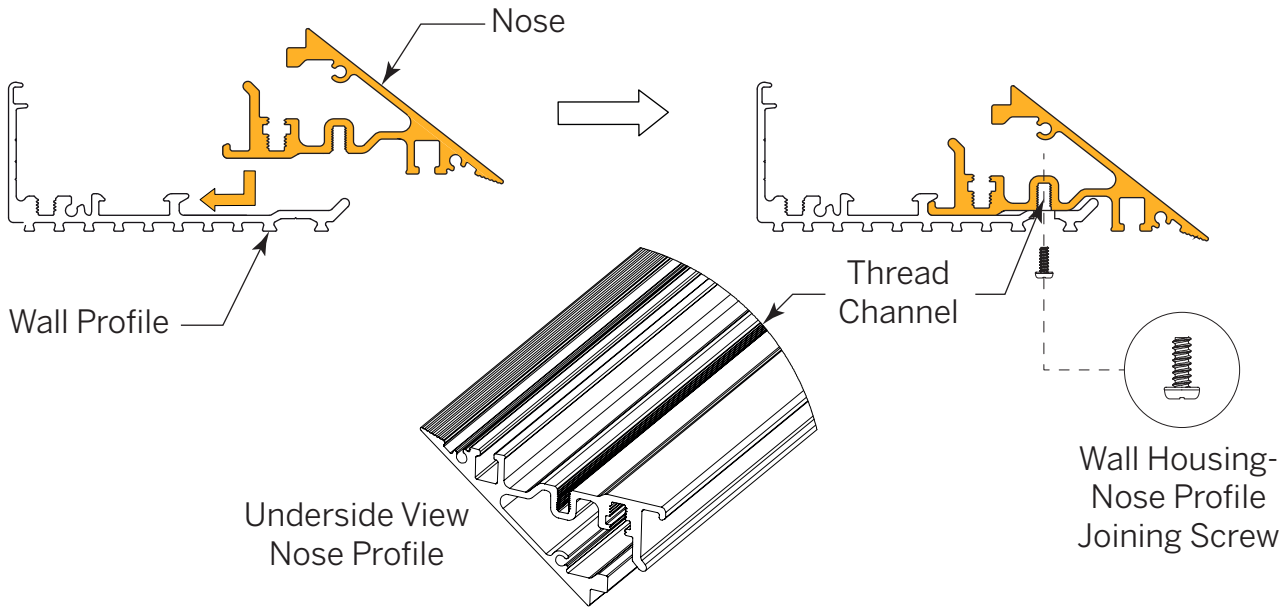
20 Linear Mini Edgeless Cove

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Step 5 - ***Install Profiles***

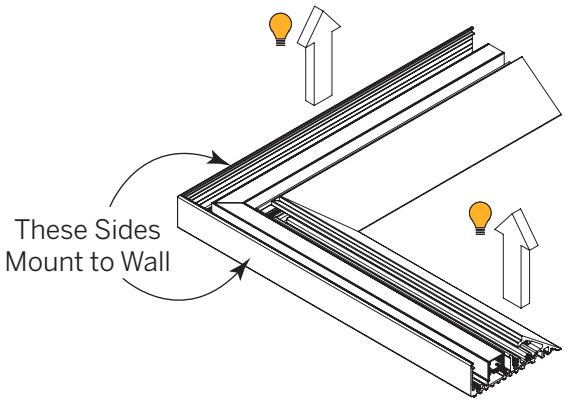
a Secure Wall Profile to wall with screws and/or anchors (supplied) by others. If necessary, use plastic shims to square fixture to ceiling.

b Combine Wall and Nose Profiles, as shown. Insert supplied screws from bottom of Wall Profile, through clearance hole and engage Thread Channel in Nose. ***Do not*** overtighten.

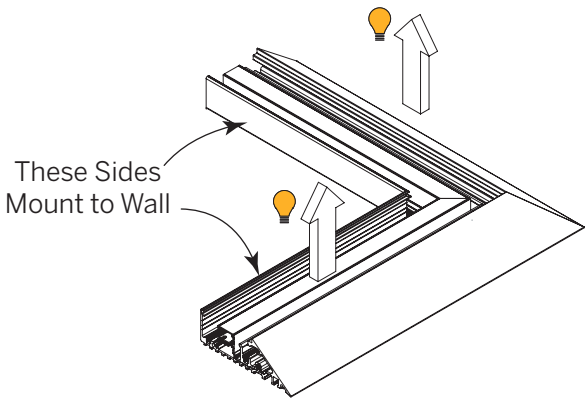


NOTE: The front bottom edge of the Nose Profile falls slightly below that of the Wall Housing Profile. This is to facilitate a smooth edge when applying Joint Compound. See ***Step 7*** for more information.

When installing a Pattern, start with the corner. The Pattern Coffer and Pattern Raft (PC & PR) corners are are supplied as left and right housings that are assembled by using (2) supplied right-angle Joiners. The Nose Profile of Corners is pre-installed at factory. Follow ***Step 6*** to join to existing Run. Arrows indicate light direction.



Pattern Coffer (PC)

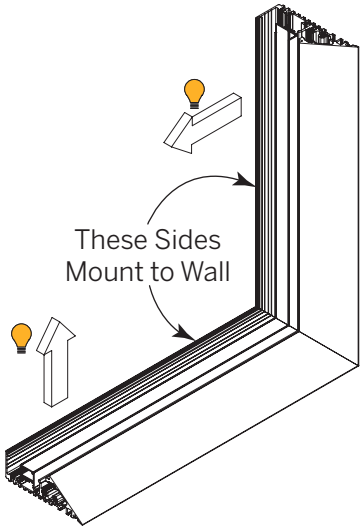


Pattern Raft (PR)

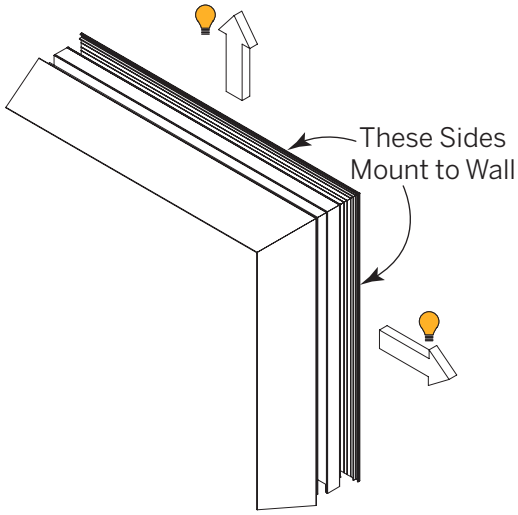
Need Help?

Step 5 - ***Install Profiles*** *(continued)*

The Plane-to-Plane Inside (PPI) and Plane-to-Plane Outside (PPO) corners are much like like the Pattern Coffer and Raft Corners in which the Housing and Luminaire members are supplied in Left and Right pairs. Nose Profiles are pre-installed at factory. However, they are *not* supplied with Joiners. Follow Step 6 to Joint to existing Run. Arrows indicate light direction.



Plane to Plane Inside (PPI)



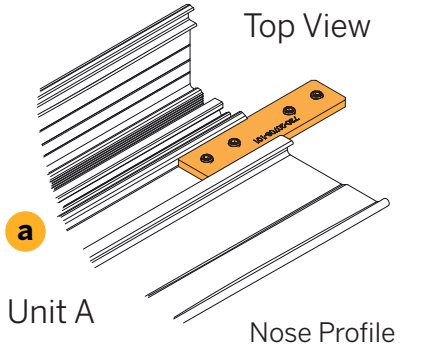
Plane to Plane Outside (PPO)

Step 6 - ***Joining Units*** - Multi Unit Runs Only

A standard Joiner Kit accompanies each straight unit. The kit consists of (1) Wide Joiner, (1) Narrow Joiner, and (4) set screws for each Joiner.

a **After** mounting first Unit A to wall, but **before** mounting Unit B, slide Wide Joiner into channel *halfway* into Unit A, as shown at top left.

Tighten (2) corresponding Set Screws to fix joiner to Unit A.

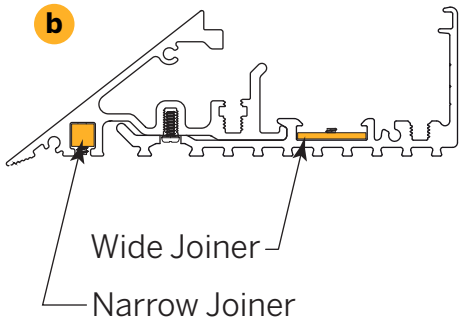


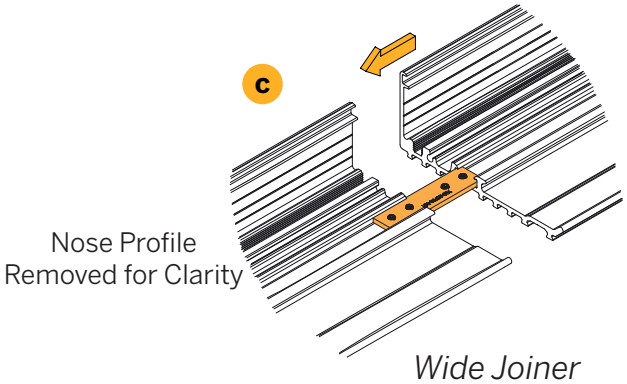
Need Help?

Step 6 - ***Joining Units*** *(continued)*

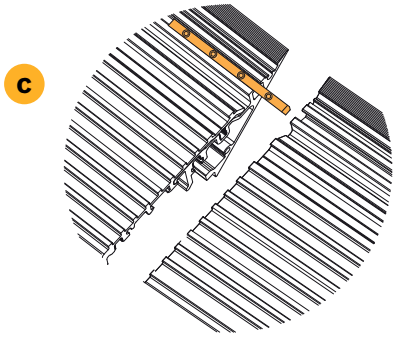
b Similarly, slide Narrow Joiner *halfway* into channel on bottom of Nose Profile of same unit. Tighten (2) corresponding Set Screws on joiner to fix to Unit A.

c Now slide adjacent section over such that exposed Joiners enter mating channels. Tighten Set Screws on top and bottom Joiners.





Wide Joiner

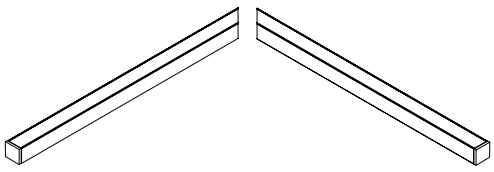


Narrow Joiner
(bottom view)

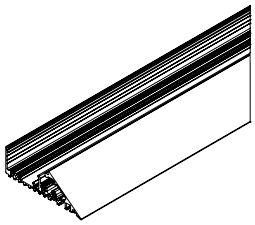
Corner Units

Corners are supplied as (2) matching Legs, each consisting of a Gear Housing and Nose Profile ***screwed together***. There is no need to separate them. A special Corner Joiner Kit accompanies each pair of Legs. The kit consists of (1) Wide 90° Joiner, (1) Narrow 90° Joiner, and (4) Set Screws for each Joiner.

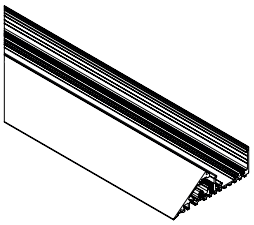
Pattern Coffer (PC)



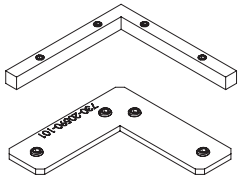
20LDL-SM Inserts
Left & Right
with Diffusers



Left Leg Profile



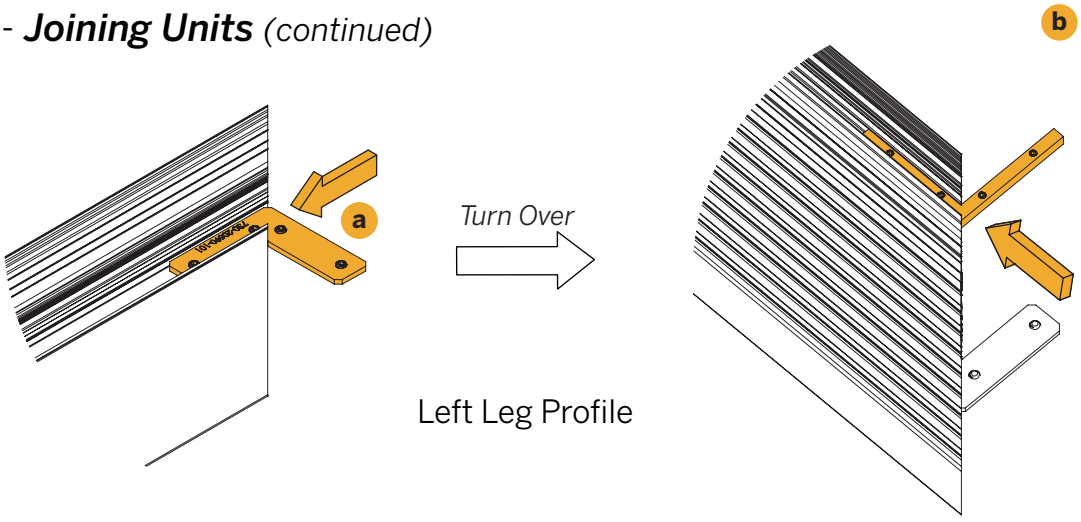
Right Leg Profile



Corner Joiner Kit

Need Help?

Step 6 - ***Joining Units*** *(continued)*

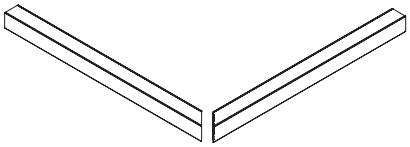


a Slide leg of Wide Joiner completely into topside Joiner Channel of Left Leg Profile, as shown. Tighten Set Screws to fasten.

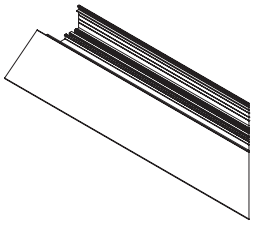
b Turn Profile over. Slide leg of Narrow Joiner completely into underside Joiner Channel of Left Leg Profile, as shown. Tighten Set Screws to fasten.

c Line up Joiner Channels of Right Leg Profile with exposed legs of Joiners. Slide Profile onto Joiners. Keeping Corner Legs together, tighten Set Screws top and bottom to fasten Joiners to Right Leg Profile.

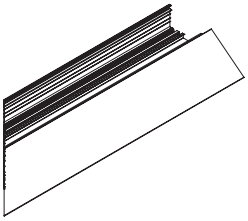
Pattern Raft (PR)



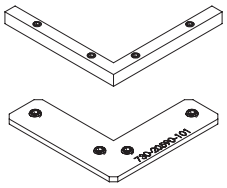
20LDL-SM Inserts Left & Right with Diffusers



Left Leg Profile



Right Leg Profile



Corner Joiner Kit

a Slide leg of Wide Joiner completely into topside Joiner Channel of Left Leg Profile in the same manner as the Pattern Coffer corner shown above. Tighten Set Screws to fasten.

b Turn Profile over. Slide leg of Narrow Joiner completely into underside Joiner Channel of Left Leg Profile in the same manner as above. Tighten Set Screws to fasten.

Need Help?

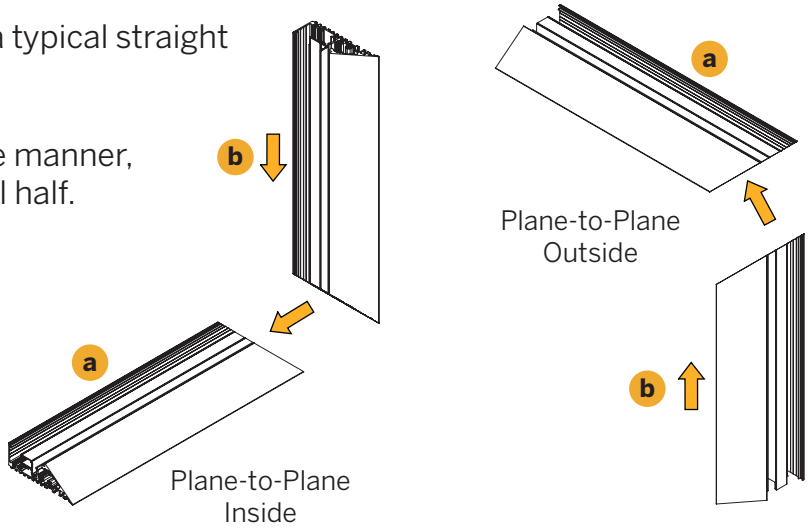
Step 6 - ***Joining Units*** *(continued)*

c Line up Joiner Channels of Left Leg Profile with exposed legs of Joiners. Slide Profile onto Joiners. Keeping Corner Legs together, tighten Set Screws top and bottom to fasten Joiners to Left Leg Profile.

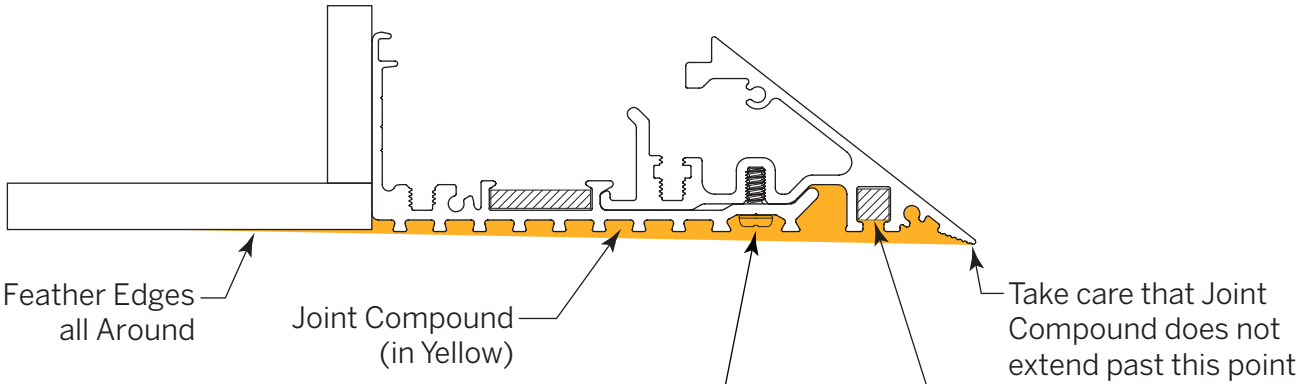
Plane-to-Plane Inside (PPI)/Plane-to-Plane Outside (PPO)

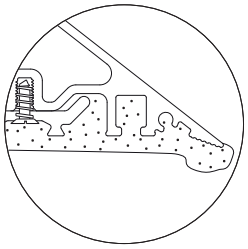
a Prep and install the Horizontal half first as a typical straight section following ***Steps 3 & 5***.

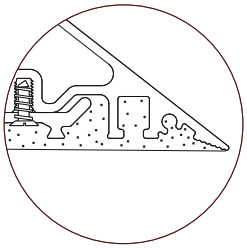
b Prep and install the Vertical half in the same manner, butting up the Vertical half to the Horizontal half.



Step 7 - ***Apply Joint Compound***



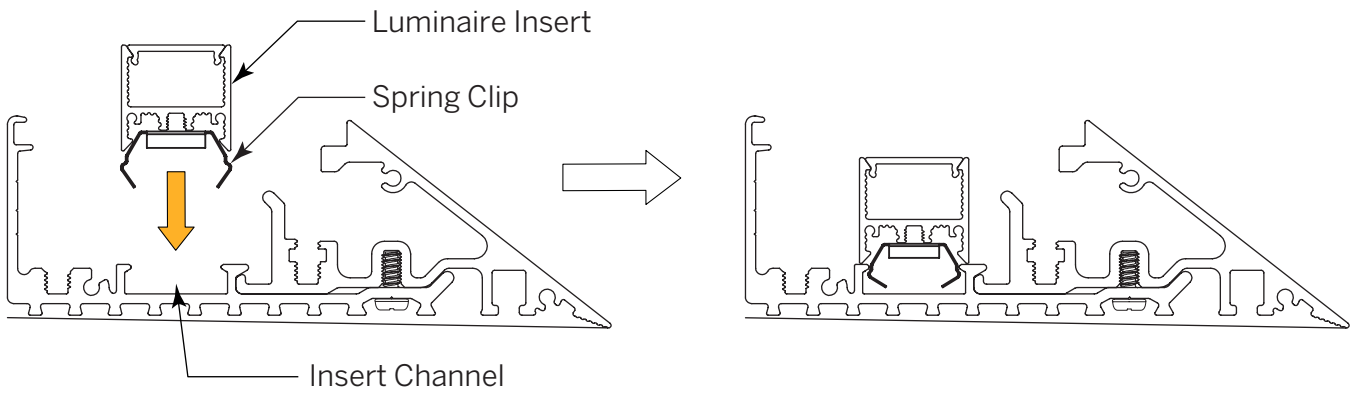




Need Help?

Step 8 - ***Install Luminaire Insert***

Spring Clips are pre-installed at factory on bottom of Luminaire Insert. Push Luminaire Insert into Insert Channel as shown until it seats with a positive "click."



NOTE: Insert Channel is the same channel that the Joiners are inserted. Spring Clips may be moved in case of interference.

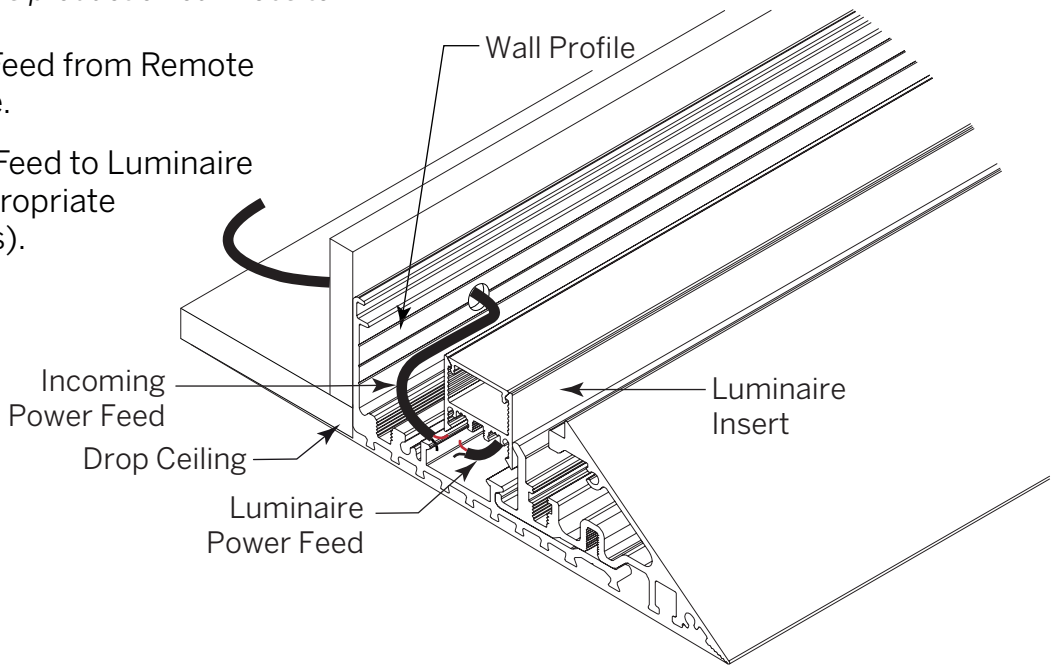
Step 9 - ***Wiring***

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 Incoming Power Feed from Remote Driver into Wall Profile.

b Join Incoming Power Feed to Luminaire Power Feed using appropriate connectors (by others).

c *Energize!*

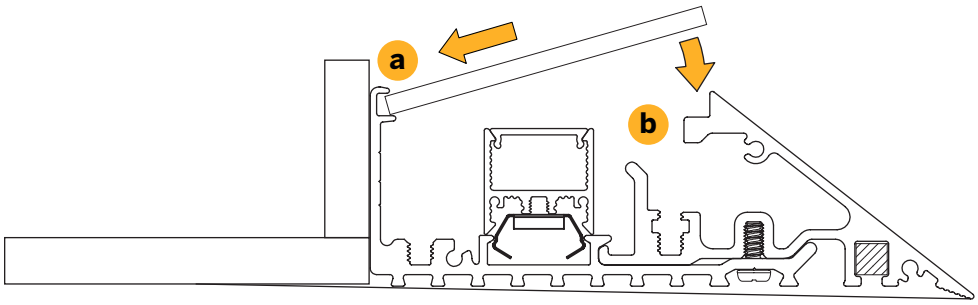


Need Help?

Step 10 - ***Install Dustcover*** *(Optional)*

a Insert rear edge of Cover into uppermost Channel on back of the Wall Profile.

b Rest front edge on on top of Nose Profile.



Wiring Diagrams

S/D010 = eldoLED, Non-Dim or 10% 0-10V dimming, *(Static White only)* p. 11
DPH = Phase Dimming, 1% dimming, *(Warm Dim only)* p. 11
L3DAE = Lutron Hi-lume 1% EcoSystem, *(Warm Dim only)* p. 12
L3D0E = Lutron Hi-lume Premier 0.1% EcoSystem, *(Warm Dim only)* p. 12
EL96 = eldoLED 0-10V, 0.1% dimming, *(Warm Dim only)* p. 13
DALI = eldoLED DALI-1 (DT6), 0.1% dimming, *(Warm Dim only)* p. 13
DMX = eldoLED 24V, 0.1% DMX dimming, *(Warm Dim + RGBW only)* p. 14
D2DT6 = eldoLED DALI-2 (DT6), 0.1% dimming, *(Static or Tunable White)* p. 15
D2DT8 = eldoLED DALI-2 (DT8), 0.1% dimming, *(Tunable White only)* p. 16

All Drivers are Remote.

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Wiring Diagrams

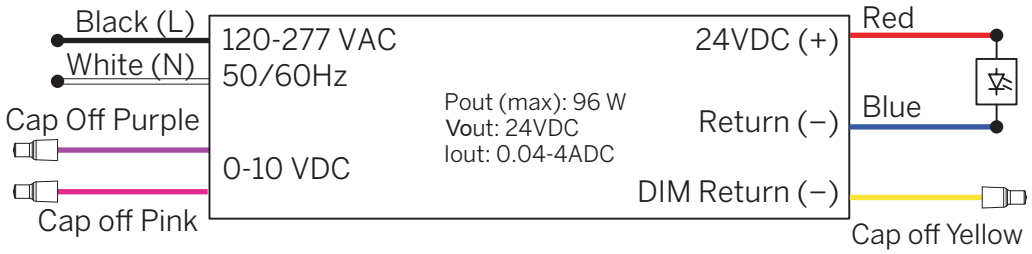
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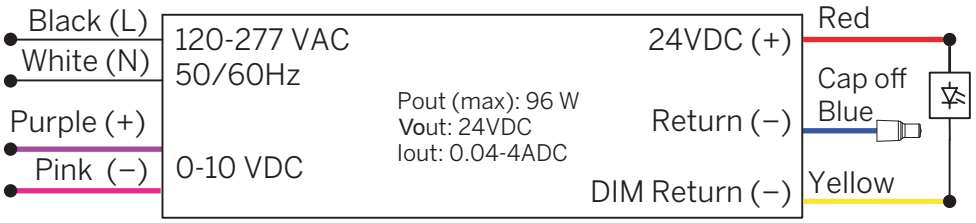
S/D010 = eldoLED, Non-Dim or 10% 0-10V dimming (120-277V)

Static White only!

Non-Dimming



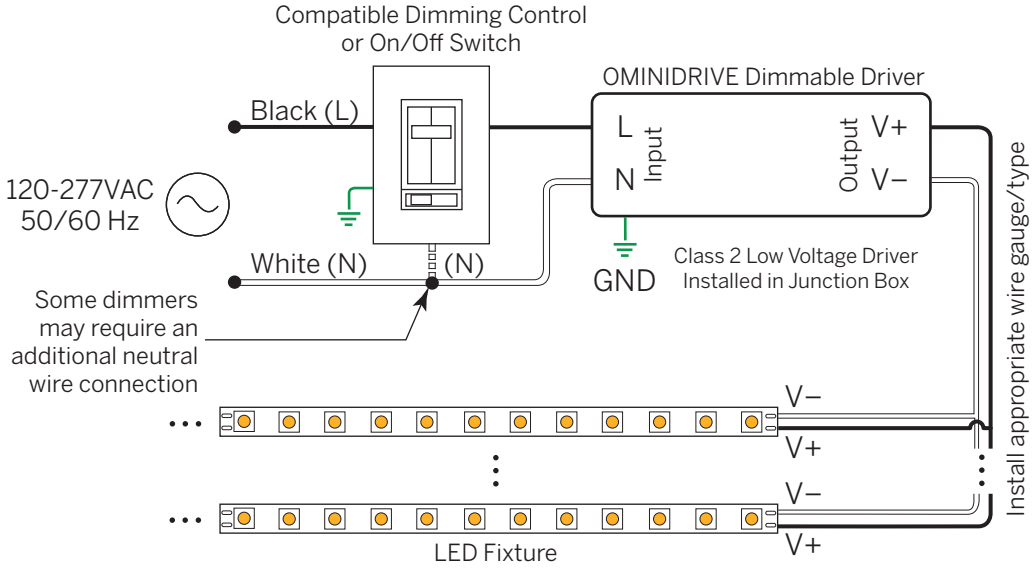
Dimming



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)

Warm Dim only!



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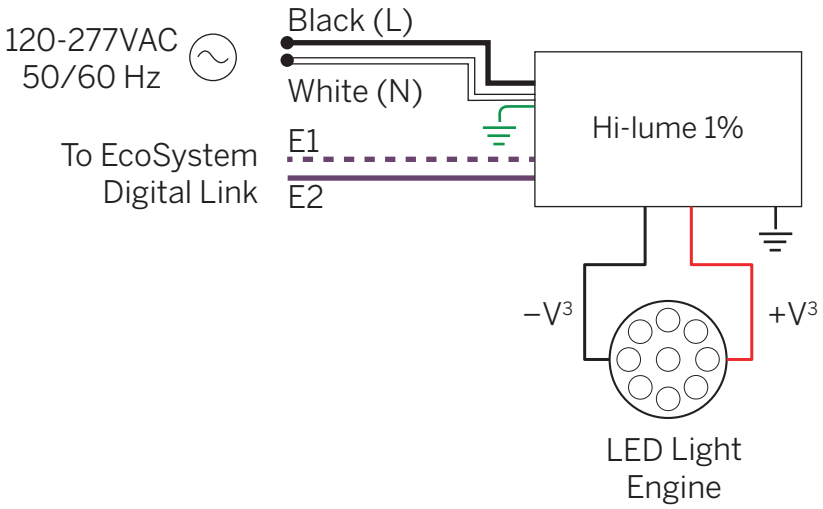
Wiring Diagrams

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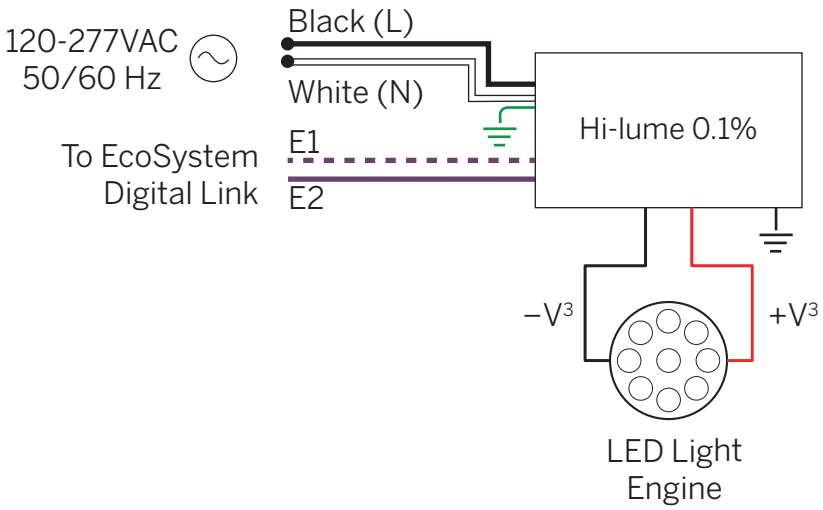
L3DAE = Lutron Hi-lume 1% EcoSystem (120-277V)

Warm Dim only!



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

Warm Dim only!



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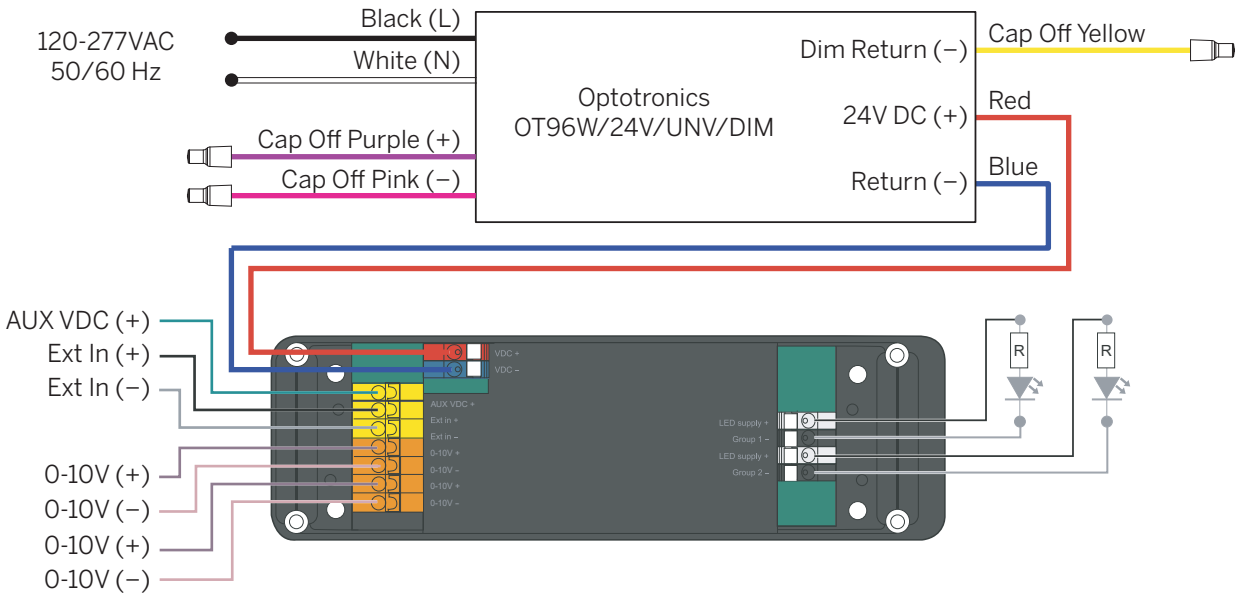
Wiring Diagrams

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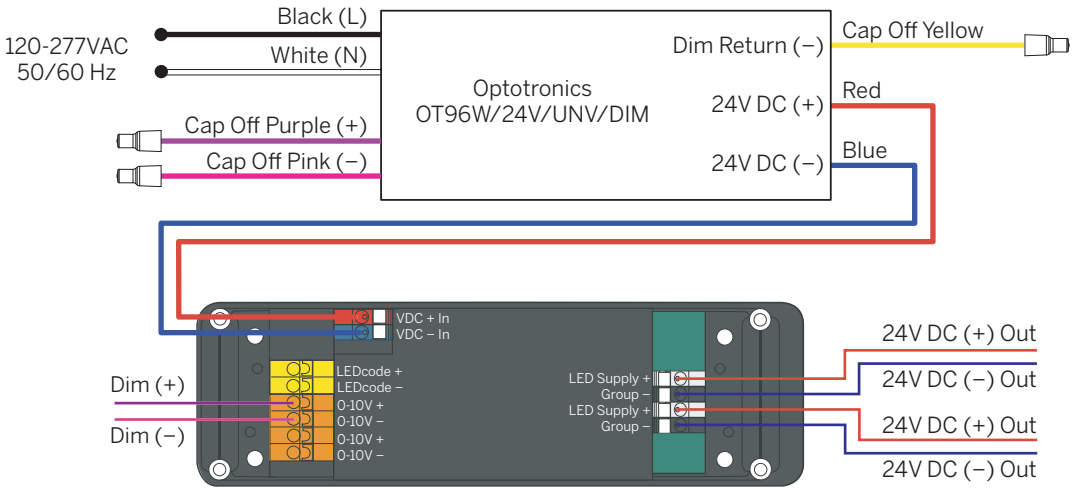
EL96 = eldoLED 0-10V, 0.1% dimming (120-277V)

Warm Dim only!



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

Warm Dim only!



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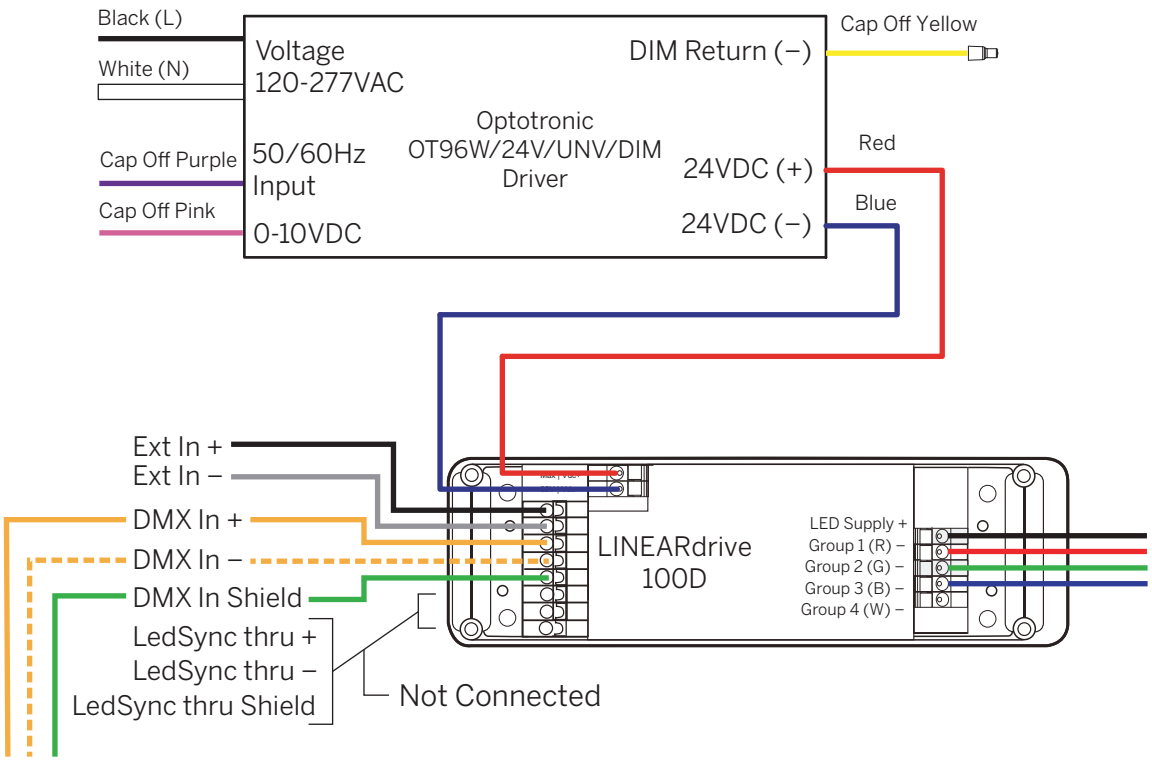
Wiring Diagrams

Cove
Recessed Plaster Trim

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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.

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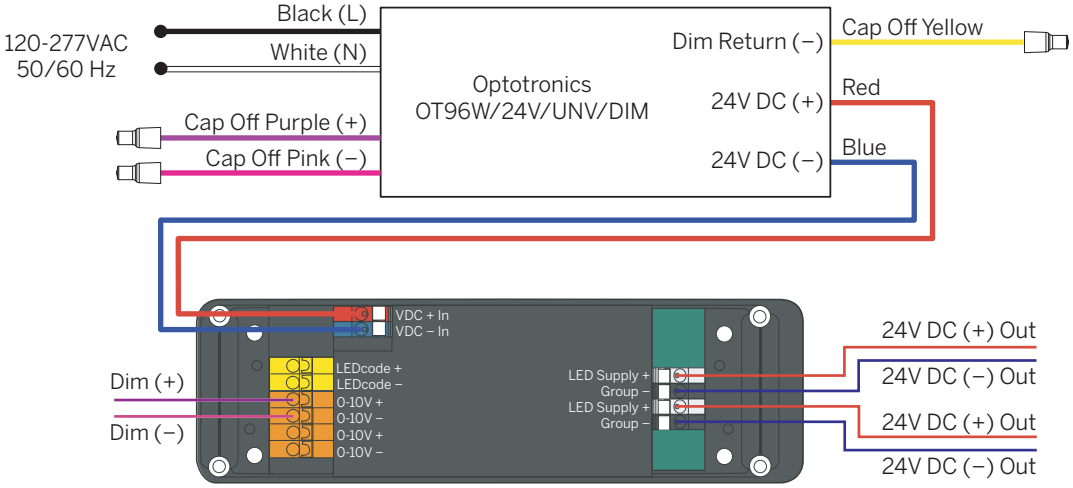
Wiring Diagrams

Cove
Recessed Plaster Trim

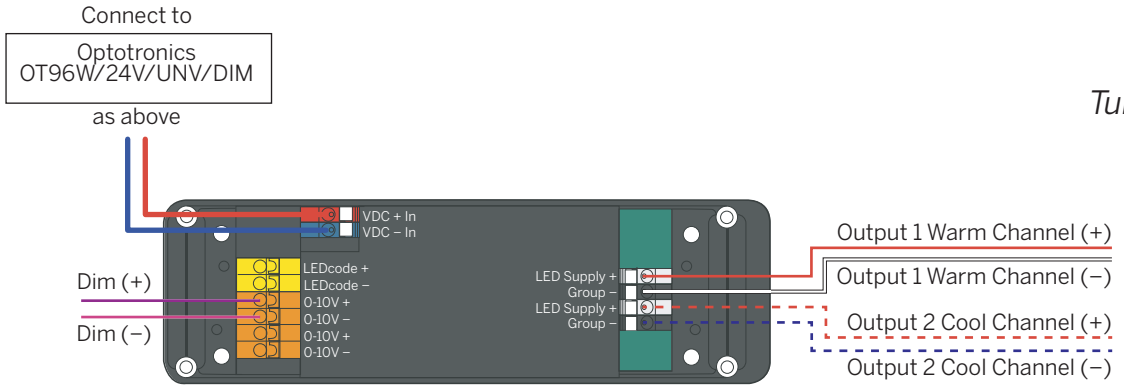
15/16

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

Static White only!



Tunable White only!



Need Help?

20 Linear Mini Edgeless Cove

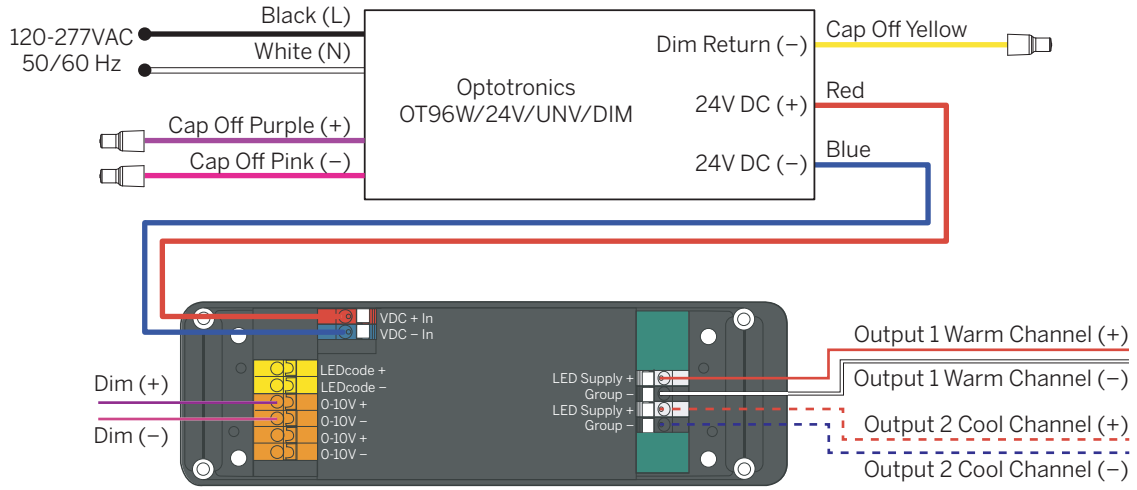
WG-20MEC-RPT

Wiring Diagrams

Cove
Recessed Plaster Trim

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

Tunable White only!



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