Mini Box Cove

WG-MBC-SW

Cove

Surface Wall Mount

Installation Instructions

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

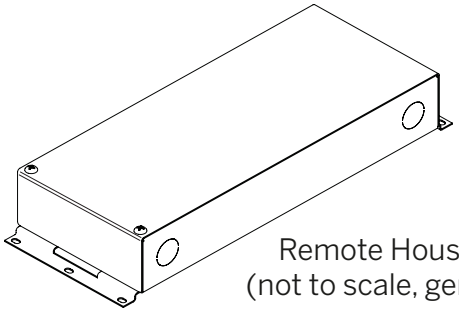
To prevent electrical shock disconnect electrical supply before installation or servicing.

Never connect a 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. Each unit consist of ***two*** major parts: Housing and an unmounted Gear Tray with Lens. Remote Drivers and Driver Boxes supplied by Inter-lux.



Remote Housing with Driver
(not to scale, generic box shown)

Gear Tray

Housing

Optional *End Caps are supplied assembled in Kits on* ***Stand Alone Units*** *and on* ***Multi Unit Runs***

Gear Tray Mounting Screws
(number of screws supplied depends on length of fixture)

2mm Hex Key

(1) Wide Joiner with Set Screws

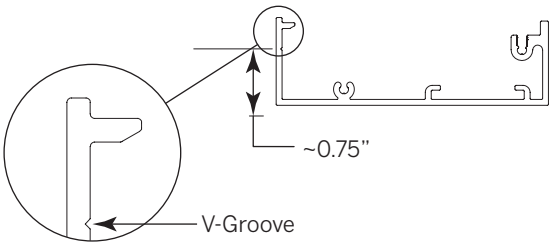
Need Help?

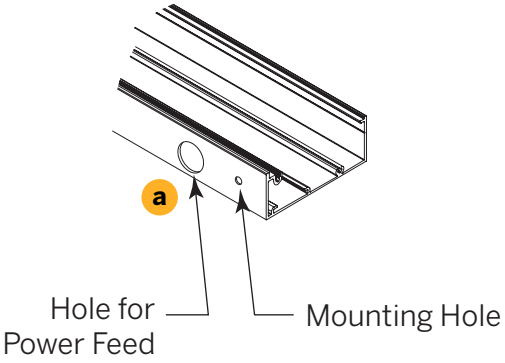
Step 3 - ***Prep Housing***

a Drill Mounting Holes in Housing Ends on V-Groove (inside Housing) or approximately 0.75" from bottom (outside Housing) every 16" on center.

b Drill 7/8" Hole for Power Feed in each Housing. Cable clamp for incoming conduit supplied by others.

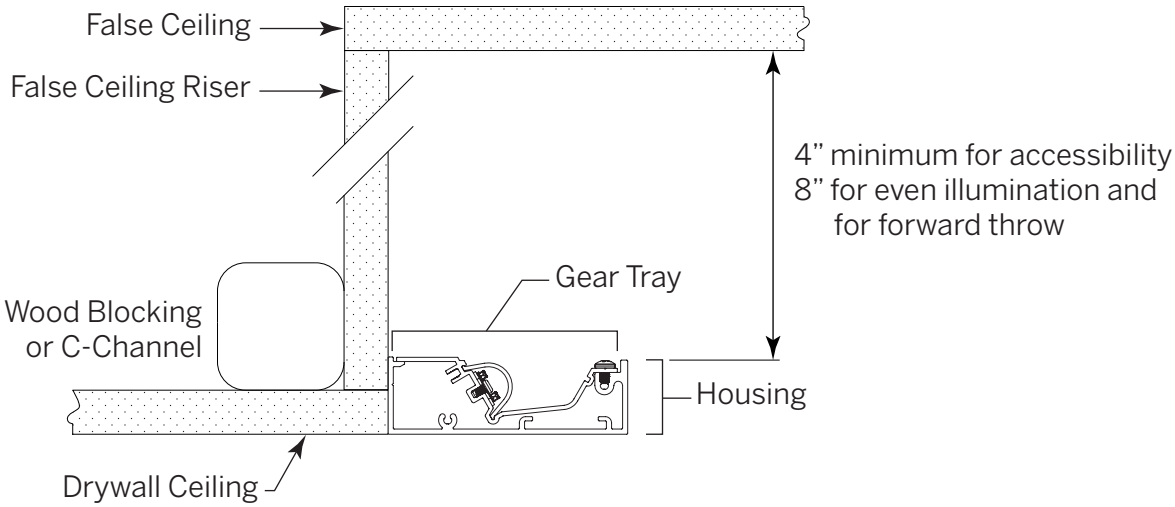
NOTE: Locations of Power Feed and mounting holes shown below are forillustration only. Refer to Record Drawing to determine location based on specific installation.





Step 3 - ***Prep Ceiling***

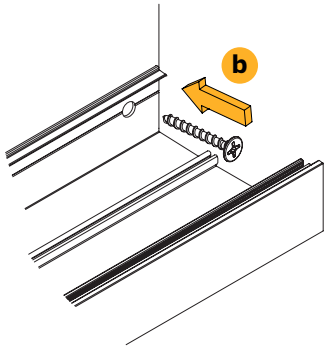
a Create a False Ceiling with Blocking as shown below. Mounting screws/anchors *by others*.



b Corresponding to Power Feed Hole, drill Hole in Wall for incoming power feed sized for cable clamp (by others).

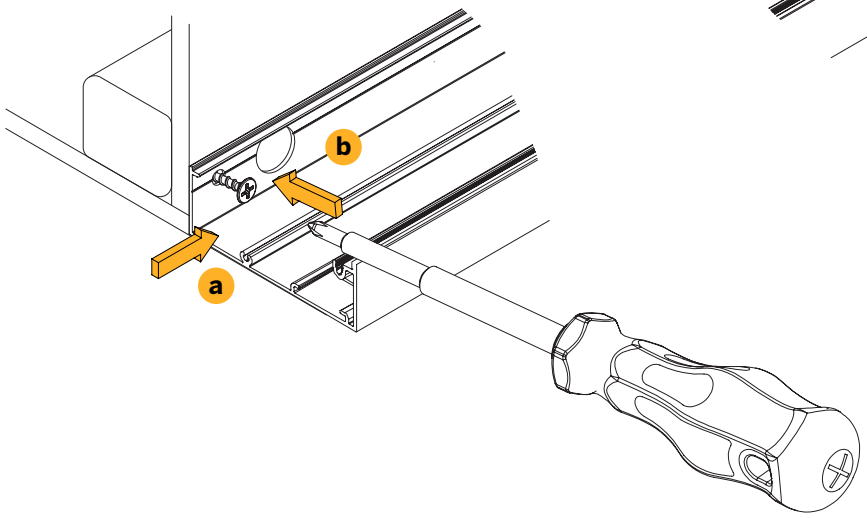
Need Help?

Step 4 - ***Install Housing***

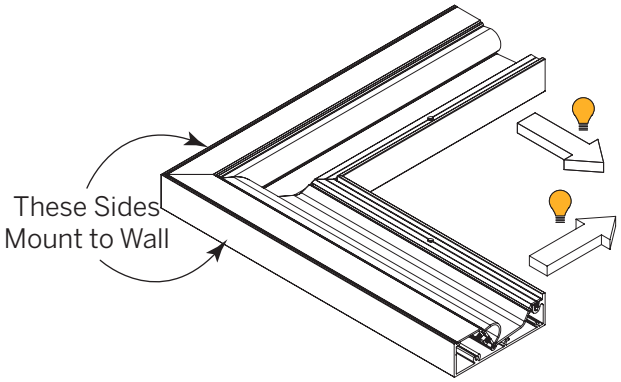


a Slide Housing onto Edge of exposed ceiling and against Riser of False Ceiling.

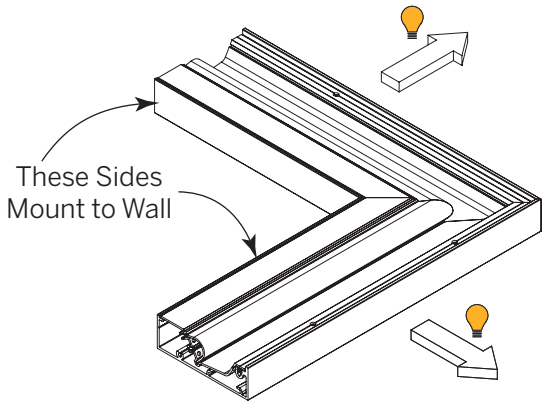
b Fasten Housing using screws and anchors (by others).



When installing a Pattern, start with a Corner. The Pattern Coffer and Raft Corners (PC & PR) and the Plane-to-Plane Pattern Inside and Outside Corners (PPI & PPO) are welded at the factory. Follow ***Steps 4, 6 & 7*** to mount to existing Run. Arrows indicate light direction.



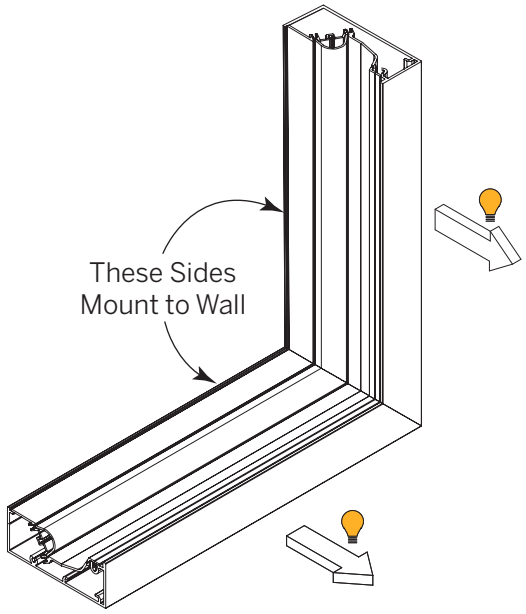
Pattern Coffer (PC)



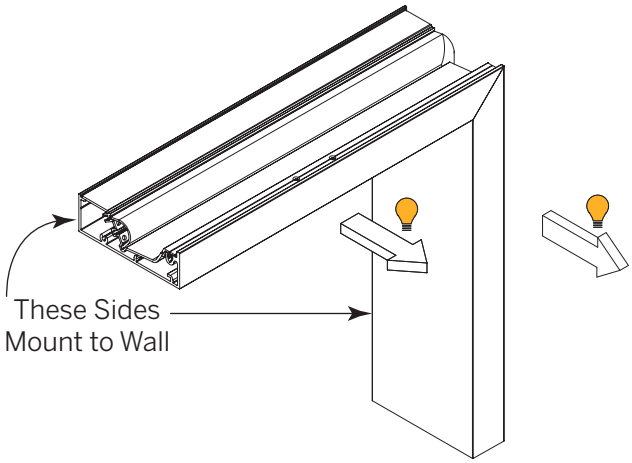
Pattern Raft (PR)

Need Help?

Step 4 - ***Install Housing*** *(continued)*



Plane-to-Plane Inside (PPI)

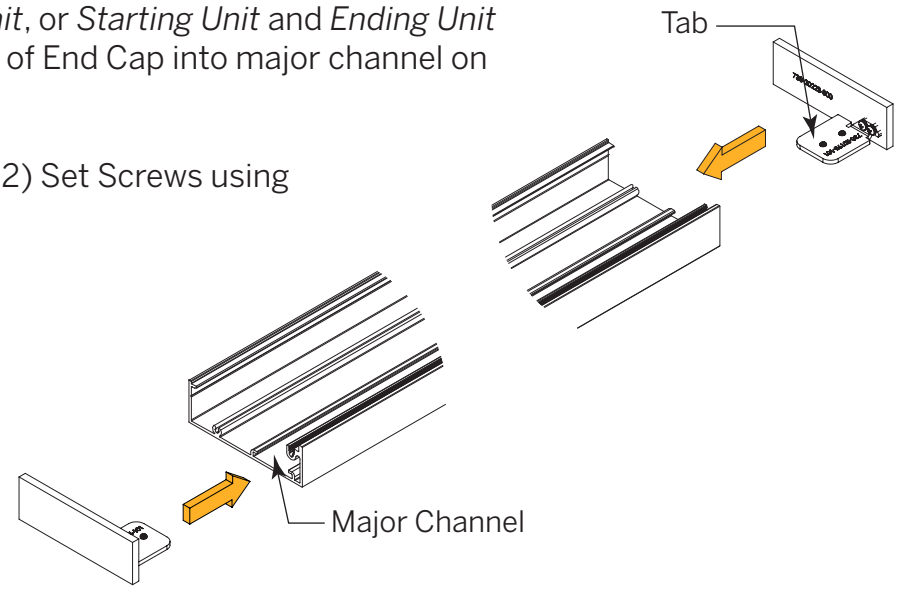


Plane-to-Plane Outside (PPO)

Step 5 - ***Install*** *(Optional)* ***End Caps***

a On either end of *Stand Alone Unit*, or *Starting Unit* and *Ending Unit* of a *Multi Unit Run,* slide the tab of End Cap into major channel on inside bottom of housing.

b Fasten End Cap to Housing via (2) Set Screws using the supplied 2mm Hex Key.

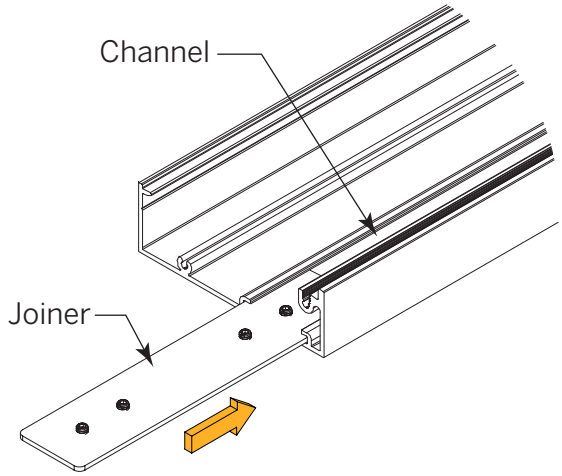


Need Help?

Step 6 - ***Insert Joiners*** - *Multi Unit Run only*

Insert Joiner on far end of Start Unit Housing.
Slide Joiner *completely* into Channel.

Do not fasten Set Screws at this time.



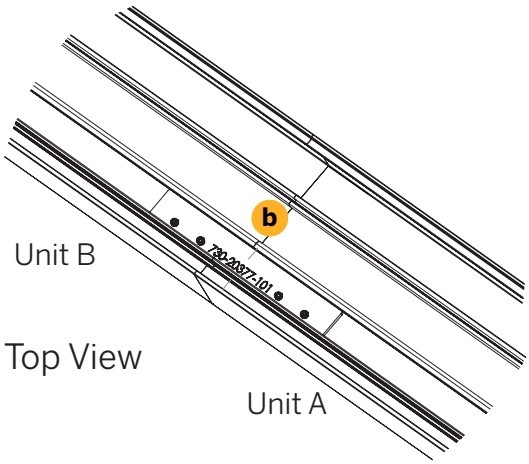
Step 7 - ***Join Housings*** - *Multi Unit Run only*

a As in Step 4, slide Unit B Housing onto Edge of exposed Ceiling and against Riser of False Ceiling. Butt up to Unit A Housing.

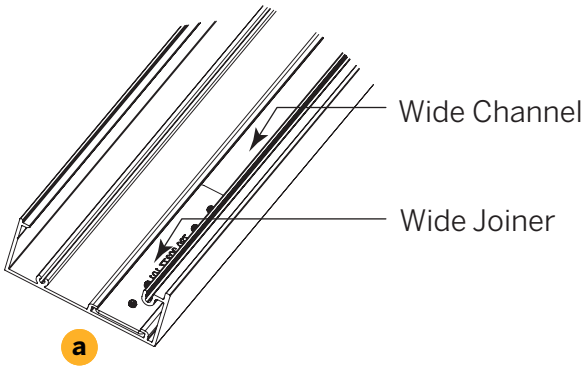
b Slide Joiner such that it bridges both units equally. Tighten Set Screws using supplied 2mm Hex Key.

c Fasten Unit B Housing using screws and anchors (by others).

d Repeat for as many units in Run.



Joint Top View



Joiner Slid Fully into Starting Unit (Unit A)

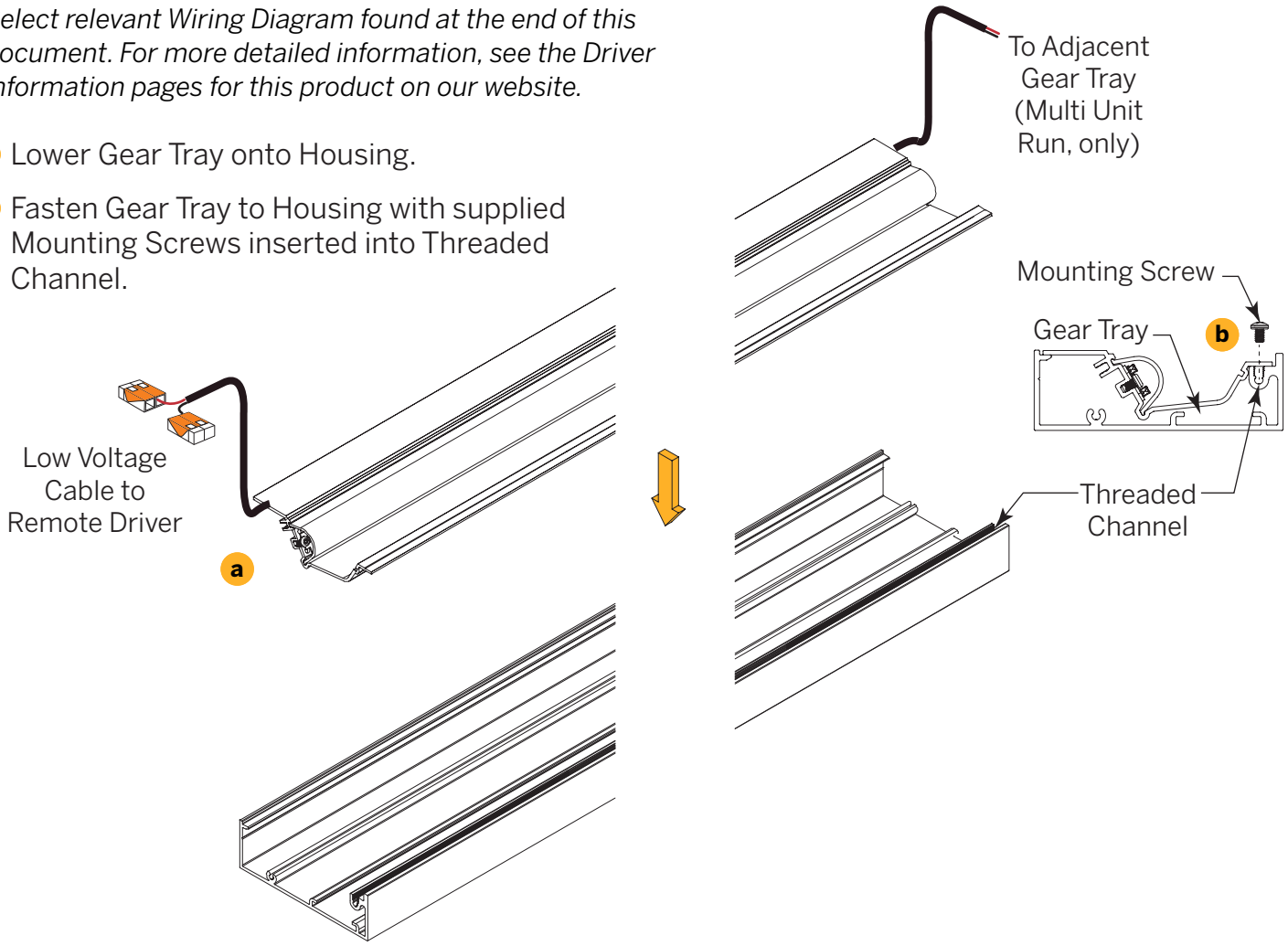
Need Help?

Step 8 - ***Wire and Install Gear Tray(s)***

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 Lower Gear Tray onto Housing.

b Fasten Gear Tray to Housing with supplied Mounting Screws inserted into Threaded Channel.



c Connect Incoming Low Voltage Cable to Remote Driver.

d *Energize!*

Wiring Diagrams

E1 = eldoLED 0.1% dimming, 0-10V, *(Static White only)* p. 7, 8
L1 = Lutron 1% dimming, Ecosystem, *(Static White only)* p. 8
D2DT6 = eldoLED DALI-2 (DT6), 0.1% dimming, *(Static or Tunable White)* p. 8, 9
D2DT8 = eldoLED DALI-2 (DT8), 0.1% dimming, *(Tunable White only)* p. 9
D010 = eldoLED, 10% 0-10V dimming, *(Warm Dim only)* p. 10
DPH = Phase Dimming, 1% dimming, *(Warm Dim only)* p. 10
L3DAE = Lutron Hi-lume 1% EcoSystem, *(Warm Dim only)* p. 11
L3D0E = Lutron Hi-lume Premier 0.1% EcoSystem, *(Warm Dim only)* p. 11
EL96 = eldoLED 0-10V, 0.1% dimming, *(Warm Dim only)* p. 12
DALI = eldoLED DALI-1 (DT6), 0.1% dimming, *(Warm Dim only)* p. 12
DMX = eldoLED 24V, 0.1% DMX dimming, *(Warm Dim + RGBW only)* p. 13

All Drivers are Remote.

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

Static White only!

30W



50W

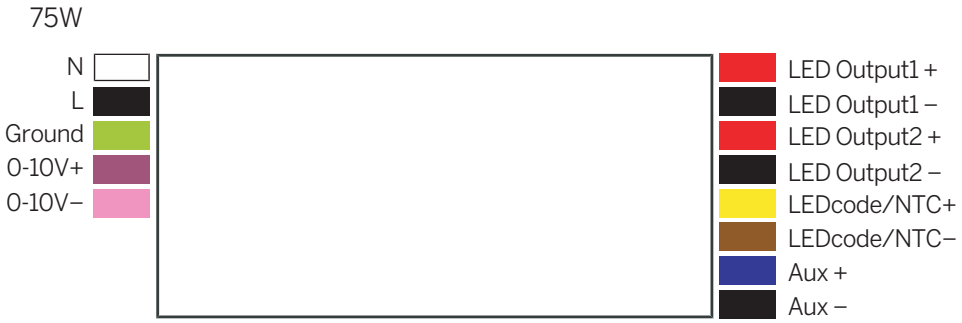


Need Help?

Wiring Diagrams

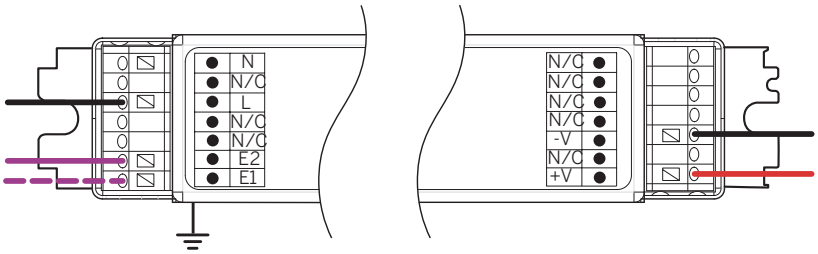
E1 = eldoLED 0.1% dimming, 0-10V (120-277V) *(continued)*

Static White only!



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

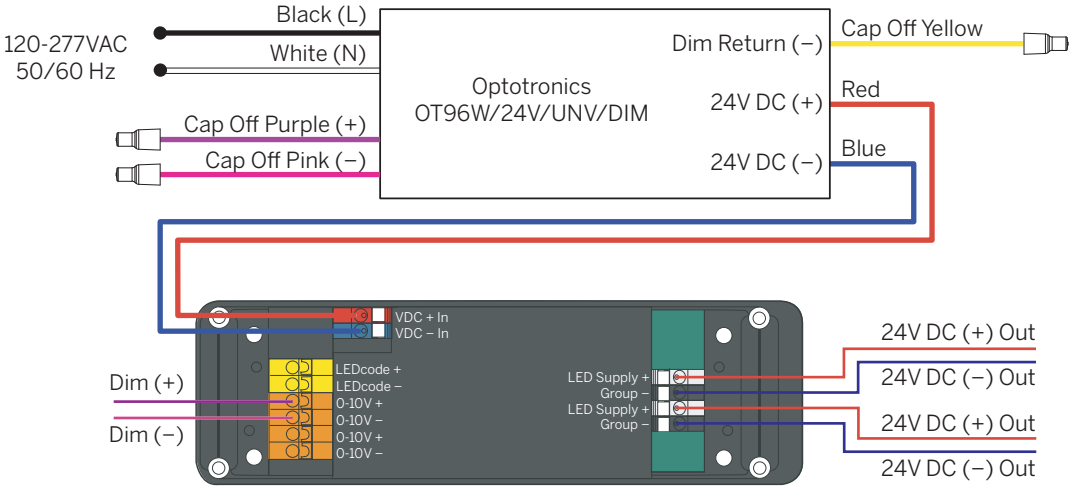
Static White only!



Ground

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

Static White only!



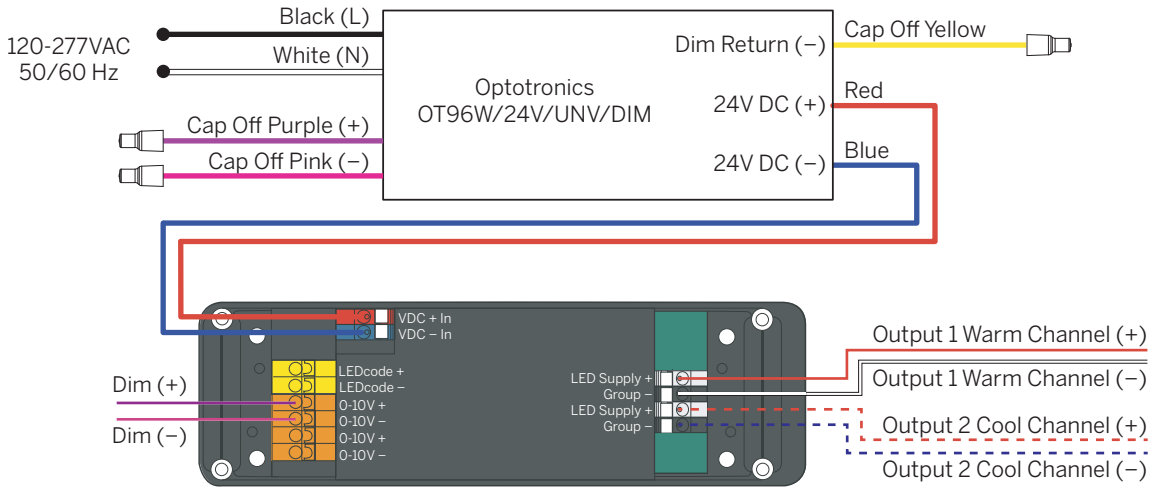
LINEARdrive 211D
2 LED Groups
1 Control Channel

Need Help?

Wiring Diagrams

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

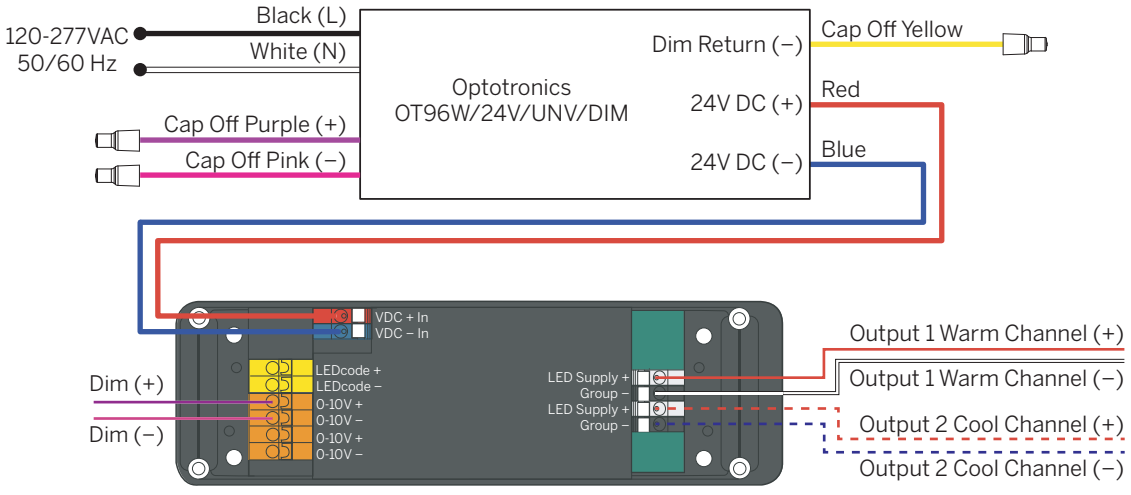
Tunable White only!



eldoLED
LINEARdrive 200W DALI DT6
Type: LN200D-D2Z2D2
Dual-channel constant voltage LED driver

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

Tunable White only!



eldoLED
LINEARdrive 200W DALI DT8
Type: LN200D-D2Z2D2
Dual-channel constant voltage LED driver

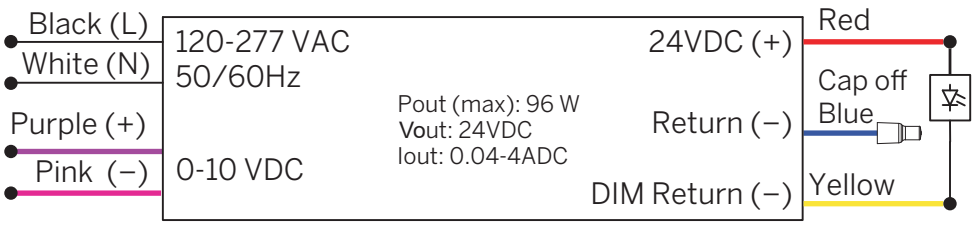
Need Help?

Wiring Diagrams

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

Warm Dim only!

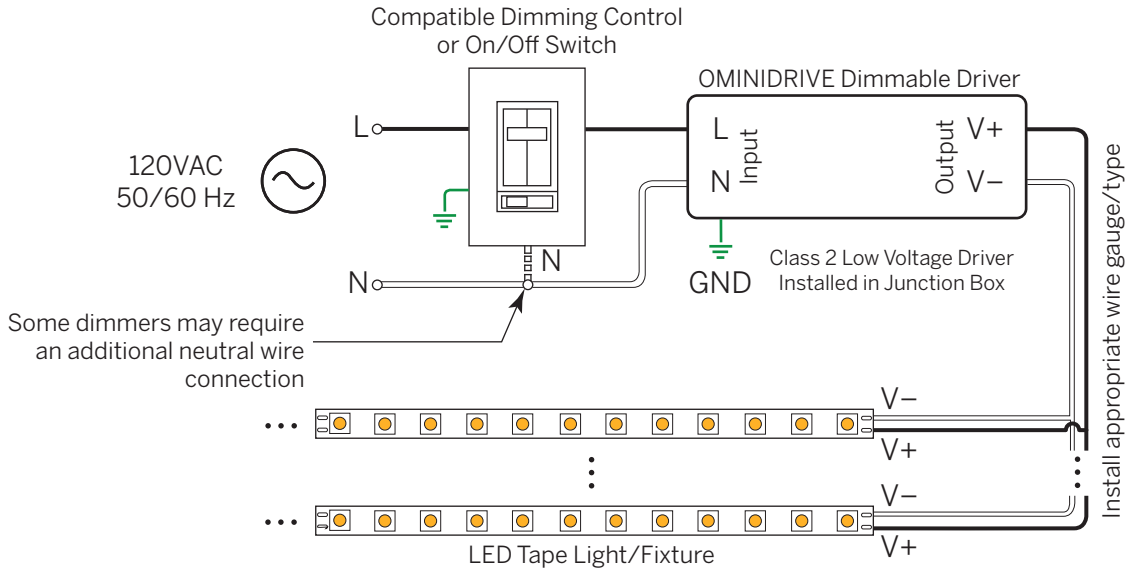
Dimming



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!

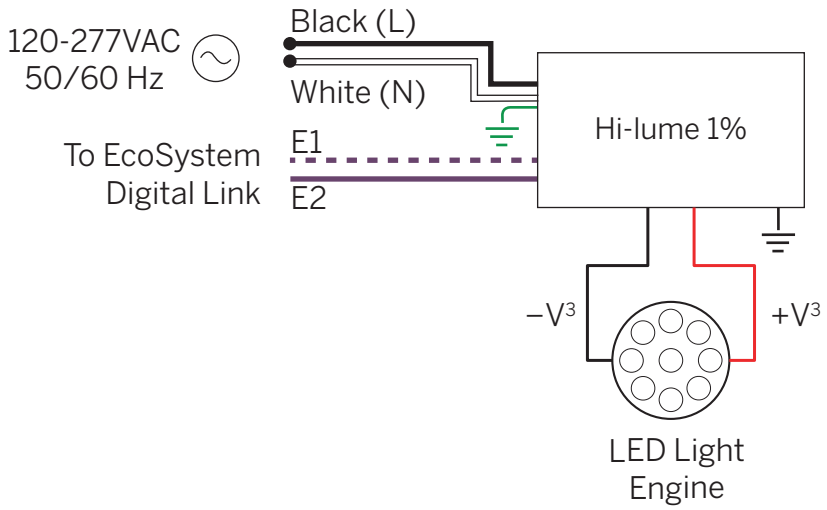


Need Help?

Wiring Diagrams

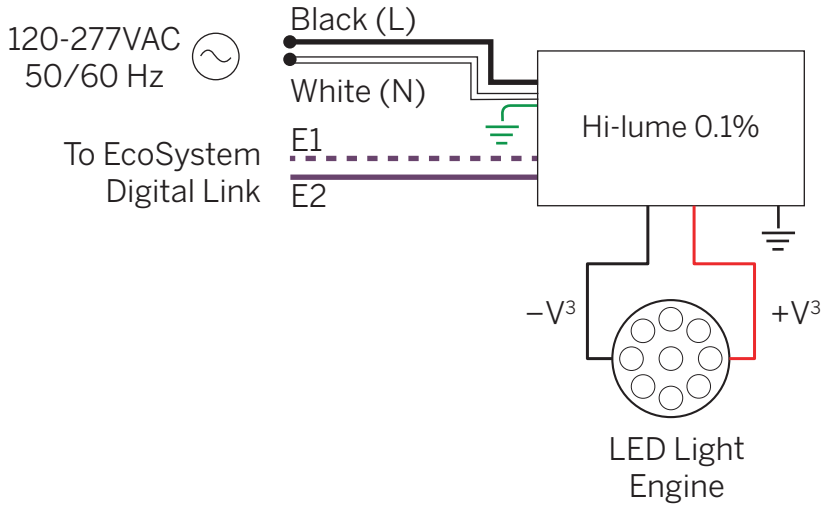
L3DAE = Lutron Hi-lume 1% EcoSystem (120-277V)

Warm Dim only!



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

Remote Driver/Warm Dim only!

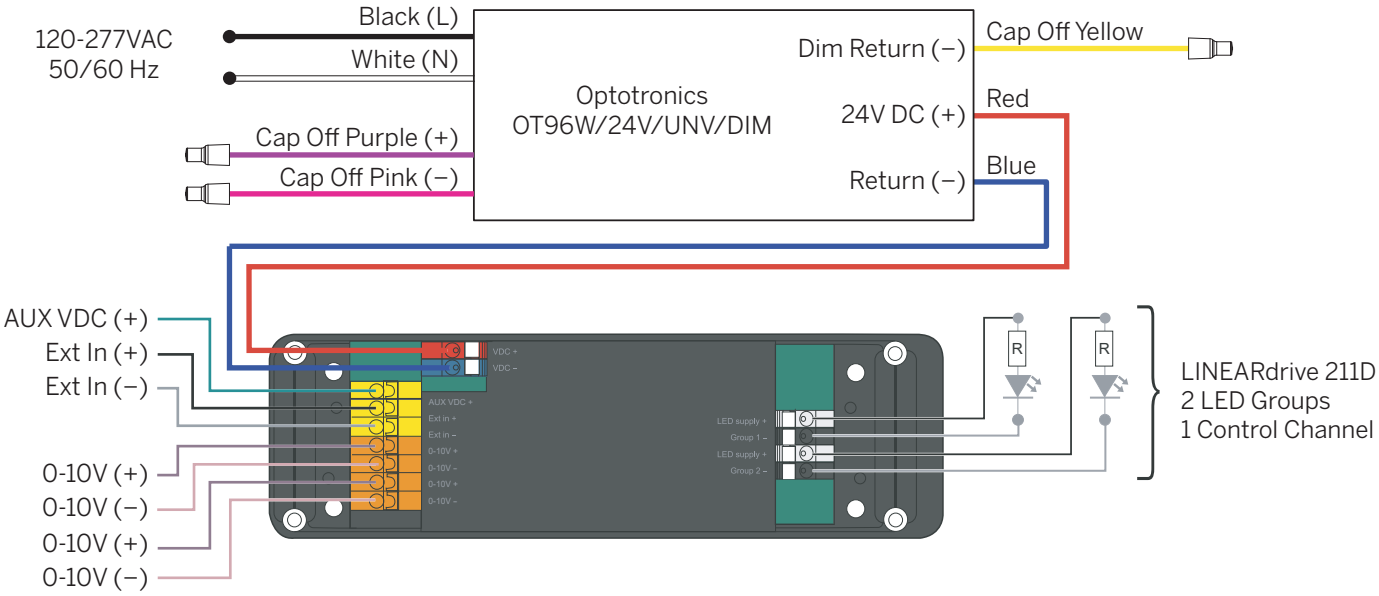


Need Help?

Wiring Diagrams

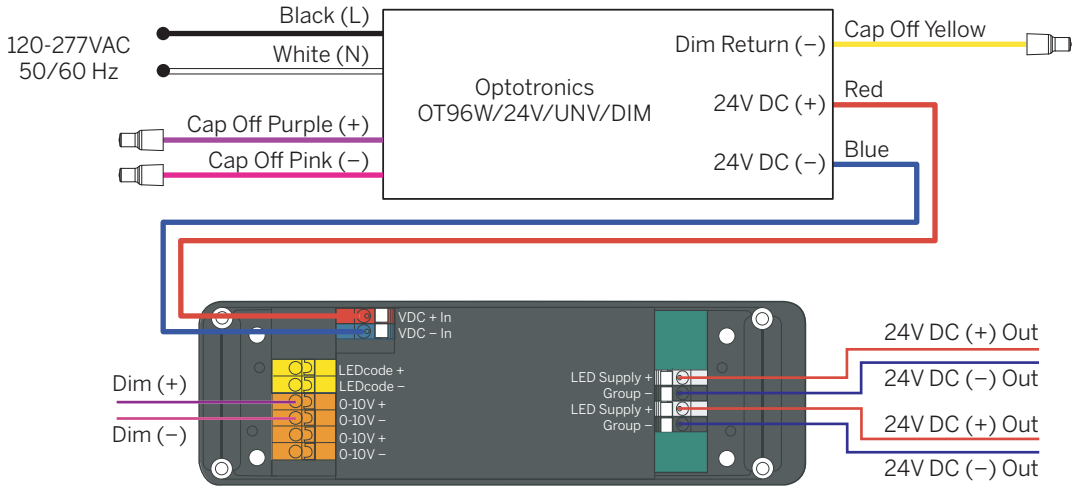
EL96 = eldoLED 0-10V, 0.1% dimming (120-277V)

Warm Dim only!



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

Warm Dim only!



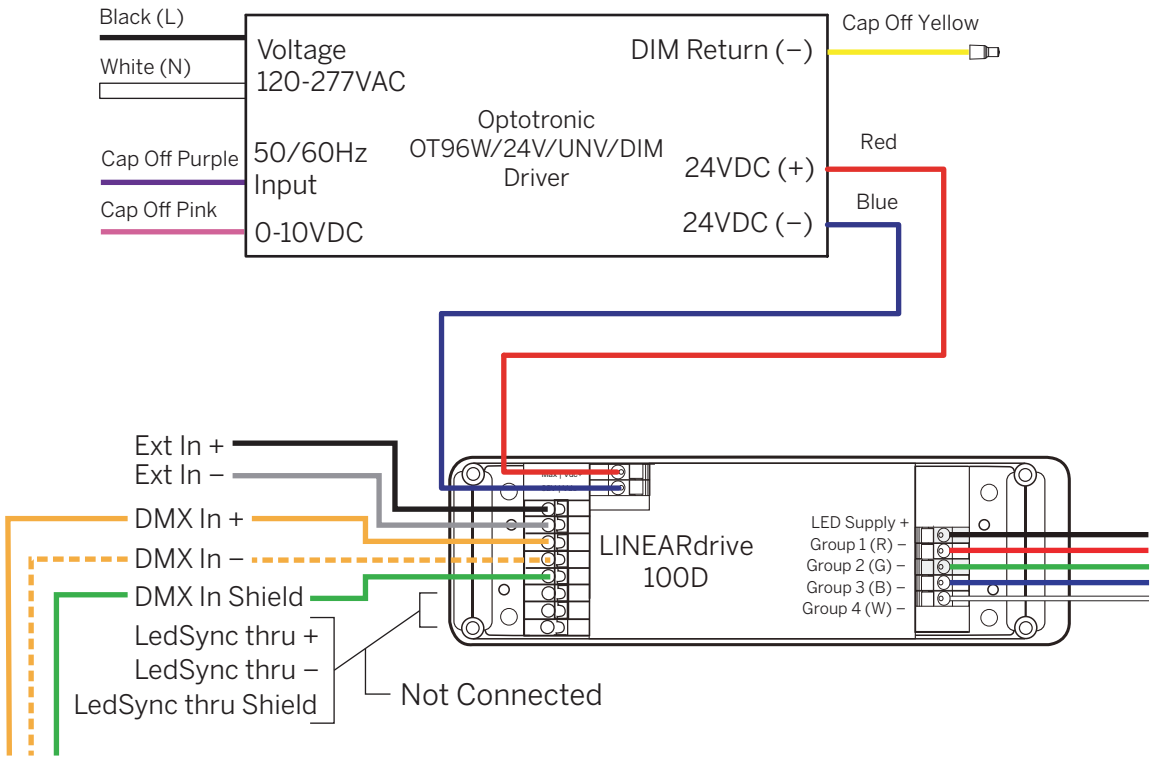
LINEARdrive 211D
2 LED Groups
1 Control Channel

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.