Flex 12 x 25
Horizontal Domed

inter•lux

Installation Instructions

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

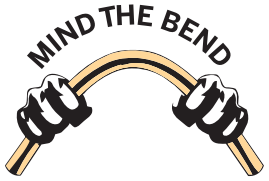
To prevent electrical shock disconnect electrical supply before installation or servicing.

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.

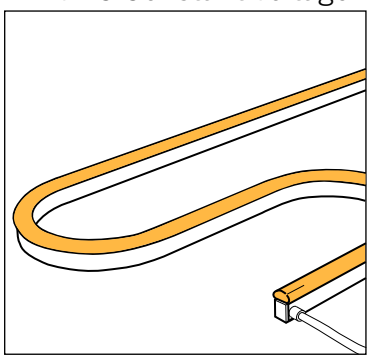
Step 1 - *Open the Box*

Unpack luminaire unit(s). The Flex family of luminaires require special handling. They are supplied in lengths specified at the time of order, and are delivered on a reel enclosed in a large anti-static bag. Remote Drivers and Boxes may be ordered from Inter-lux separately.



***Do not** attempt to bend this Luminaire in the **vertical** plane!*

24VDC Constant Voltage



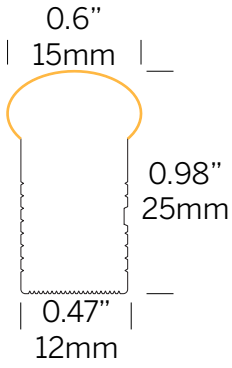
12 x 25 Horizontal Domed

Static White
Static White High Output
Static White Free Cut
Tunable White
Tunable White High Output
Warm Dim

Minimum Horizontal Bend
Ø ≥ 9.8"/250mm

RGB
RGBW
Pixel Static White
Pixel Tunable White
Pixel RGB
Pixel RGBW

Minimum Horizontal Bend
Ø ≥ 11.8"/300mm

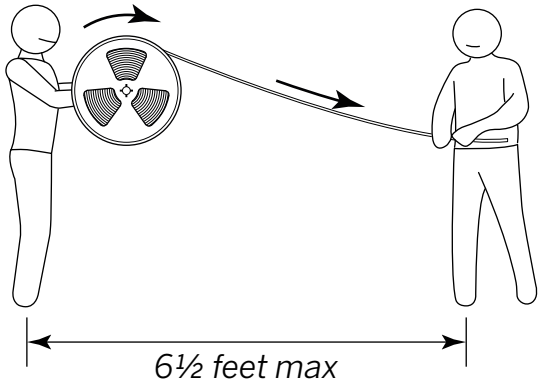


NOTE: Yellow (or light gray in B/W) indicates lit surface.

Working Temperature Range
–40° to 130°

Step 2 - *Handling the Luminaire*

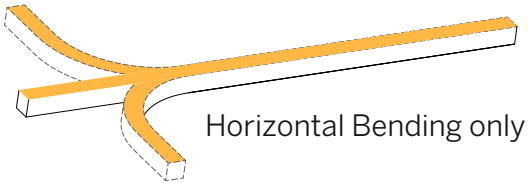
a The delicate nature of the Flex Horizontal Domed Luminaire necessitates that unpacking, handling, and installing this fixture be done by ***at least*** two people.



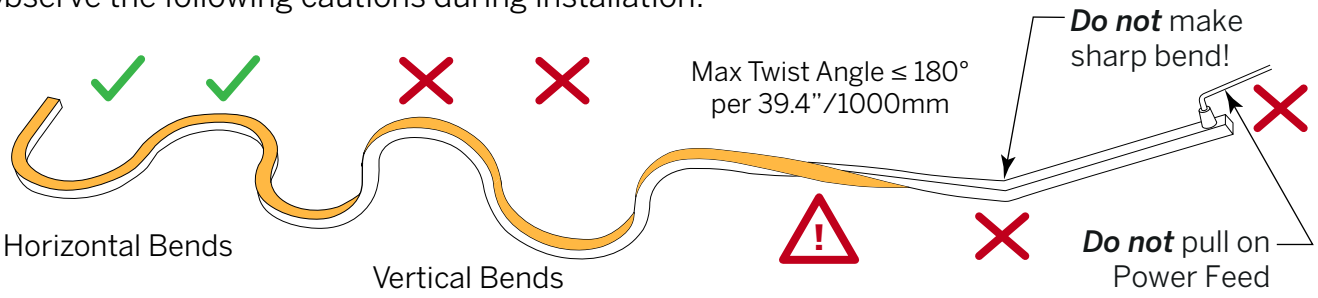
Need Help?

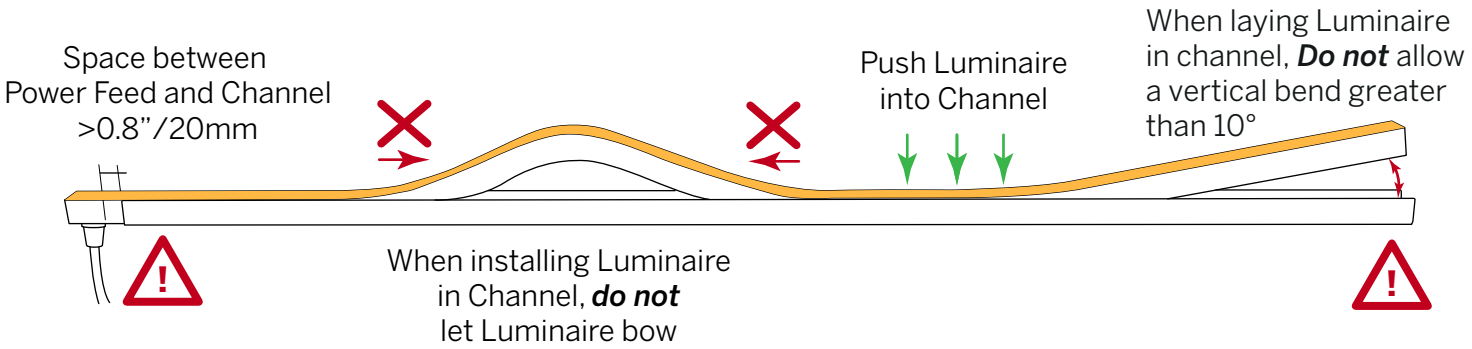
Step 2 - ***Handling the Luminaire*** *(continued)*

b The Flex 12 x 15 Horizontal Domed Luminaire may be represented by the illustration at right. *All* Horizontal Luminaires bend in the ***horizontal plane only*** - Left or Right.



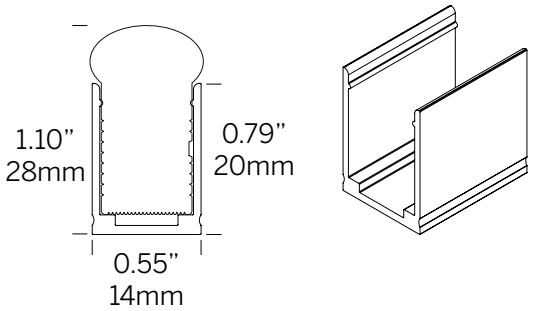
c Observe the following cautions during installation:





Step 3 - ***Accessories***

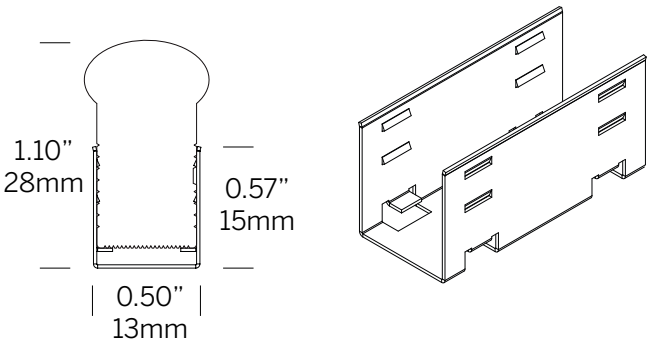
Aluminum Clip/Profile



Available in:
0.79"/20mm Silver[1, 2]
39.37"/1000mm Silver[1, 3]

Step 3 - ***Accessories*** *(continued)*

Stainless Mounting Clip/Profile



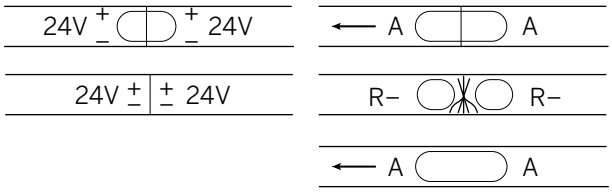
Available in:
1.18"/30mm Silver[1, 2]
39.37"/1000mm Silver[1, 2]

NOTES:
1 Mounting screws and anchors supplied by others.
2 All clip-length profiles are pre-drilled for mounting.
3 Full-length profiles are pre-drilled with (3) holes per 39.37"/1000mm. Additional holes may be drilled, as needed.

Step 4 - ***How to Field Cut the Flex Luminaire***

(Skip to ***Step 5*** if not applicable)

All versions of the Flex 12 x 25 Horizontal Domed Luminaire (except the *Free Cut*) have a narrow transparent window on the bottom or side with Cut Lines that look like one of those shown at right.



The ovals represent copper pads. It is imperative to cut on these lines to maintain a fully lit luminaire. If Flex is not cut on these lines, there is a risk that a portion of the luminaire near the cut will not power on.

The *Free Cut* version may be cut anywhere without concern that some LED's will go dark.

Cut Intervals

Static White
LED Type S05 - 2"/50mm
LED Type S12 - 2"/50mm

Static White High Output
LED Type S13 - 2.5"/63mm

Static White Free Cut
LED Type SF05 - n/a
LED Type SF12 - n/a

Tunable White
LED Type CT10 - 2.5"/63mm

Tunable White High Output
LED Type CT10 - 3.3"/83mm
LED Type CT13 - 3.3"/83mm

Warm Dim
LED Type 14R - 3.3"/83mm

RGB
LED Type L12 - 3.9"/100mm

RGBW
LED Type L16 - 3.9"/100mm

Pixel Static White
LED Type DMX10P13 - 3.9"/100mm

Pixel Tunable White
LED Type CTDMX10P13 - 3.9"/100mm

Pixel RGB
LED Type DMX02P14 - 19.7"/500mm
LED Type DMX10P14 - 3.9"/100mm

Pixel RGBW
LED Type DMX10P16 - 3.9"/100mm

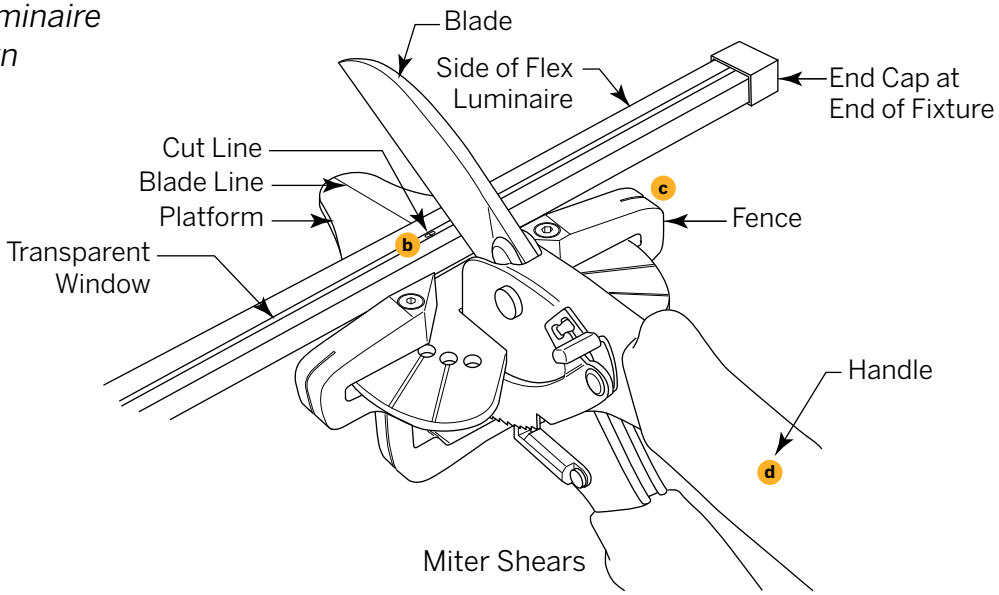
IMPORTANT! All cuts are to be taken from the non-powered end!

Need Help?

Step 4 - ***How to Field Cut the Flex Luminaire*** *(continued)*

a When cutting the Luminaire in the field, it is important to cut as perpendicular as possible. One way to do this is to use a pair of Miter Shears that has a fence 90° to the cut.

Generic Luminaire Shown

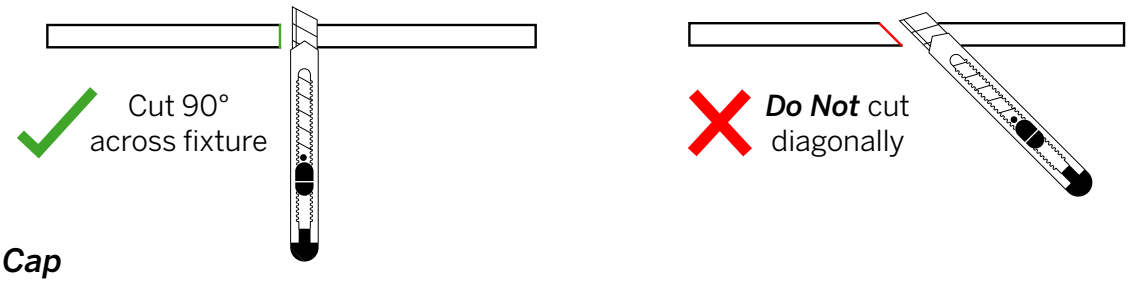


b Place Luminaire on Tool Platform with Transparent Window facing up as shown above. Line up Cut Line with Blade Line.

c Make sure Fence is at 0°, perpendicular to Blade.

d Squeeze Handles firmly to cut.

Whether one uses Miter Shears or not, it is important that Flex be cut at 90° across the fixture and not at an angle.

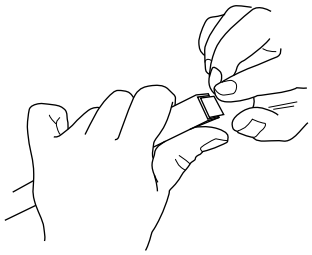


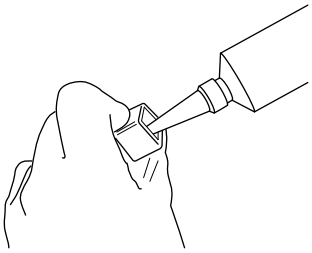
Apply End Cap

With this new cut, an End Cap needs to be applied. (1) End Cap is supplied with each length of Flex. For example, if 300 feet was purchased in a single length, one End Cap is supplied. But if three 100 foot lengths were purchased, three End Caps would be supplied. Additional End Caps are available, if needed.

Need Help?

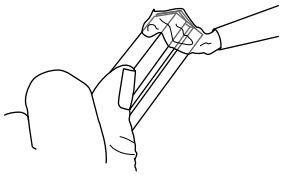
Step 4 - ***How to Field Cut the Flex Luminaire*** *(continued)*

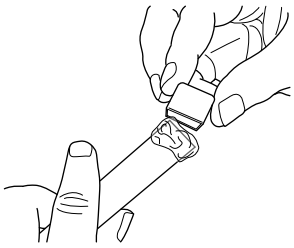


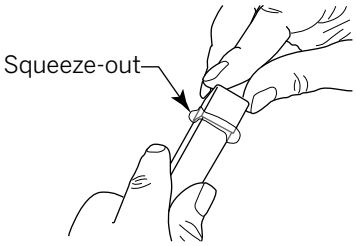


a Place Silicone Square at freshly cut end. Orient Square such that it lays entirely within confines of end shape.

b Fill interior bottom and sides of End Cap with supplied silicone* sealant. Set aside.







c Squeeze silicone sealant all around the last ½" of the newly cut end.

d Mount End Cap.

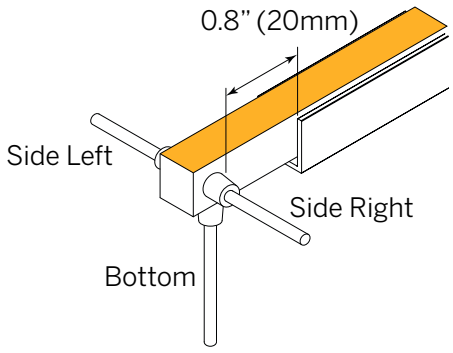
e Push End Cap onto Luminaire End. Wipe squeeze-out off and set aside to dry for 30-60 minutes.

**Supplied silicone sealant is proprietary and specially formulated.*

Step 5 - ***Install Luminaire***

The Flex 12 x 25 Horizontal Domed sits in the Aluminum Profile via a rib on each side of the Profile that snaps into a groove along the length of the Luminaire. It is retained in the Stainless Mounting Clip via small linear barbs on the Clip that catch onto each side of the Fixture.

When using Profiles, the Feed Cable end must sit *outside* of Profile. The distance between the Power Feed - whether on the Side Left, Side Right, Bottom or End - and the beginning of the the Profile should be at least 0.8" (20mm). See illustrations at right and next page.



Generic Luminaire Shown

a Drill mounting holes in Aluminum Profile as needed, at least one every 12". Stainless Mounting Clip is predrilled.

Need Help?

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

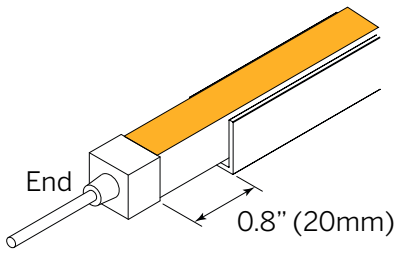
b Fasten the Aluminum Profile(s) or Stainless Mounting Clips/Profile(s) to surface with appropriate screws (by others).

c Space Clips no more than 12 inches (300mm) apart and within 2 inches (50mm) of each bend.

d Press Luminaire into Clips or Profiles firmly. **Do not** allow a vertical bend greater than 10°.

e Wire Luminaire according to Driver specified. See Illustrations in ***Step 6***, pages 6-12.

f *Energize!*



Generic Luminaire Shown

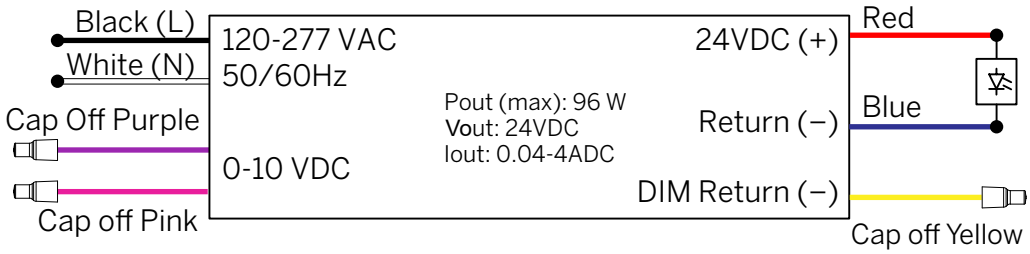
Step 6 - ***Wire Luminaire***

The following wiring diagrams for Constant Voltage remote drivers are included here for reference. For additional details, such as Maximum Wiring Distance, compatible dimmers, and driver box dimensions, please refer to the Driver Information Guide on our website.

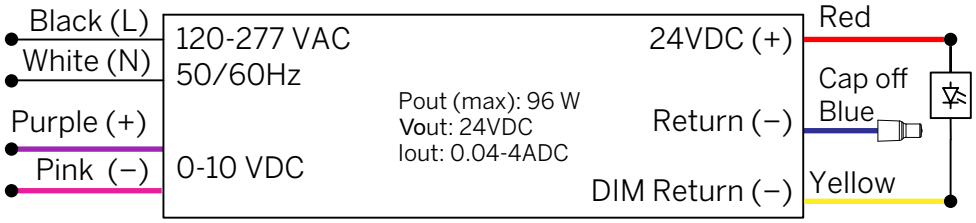
D010 = eldoLED, Non-Dim or 10% 0-10V dimming (120-277V)

For:
Static White
Static White High Output
Static White Free Cut

Non-Dimming



Dimming

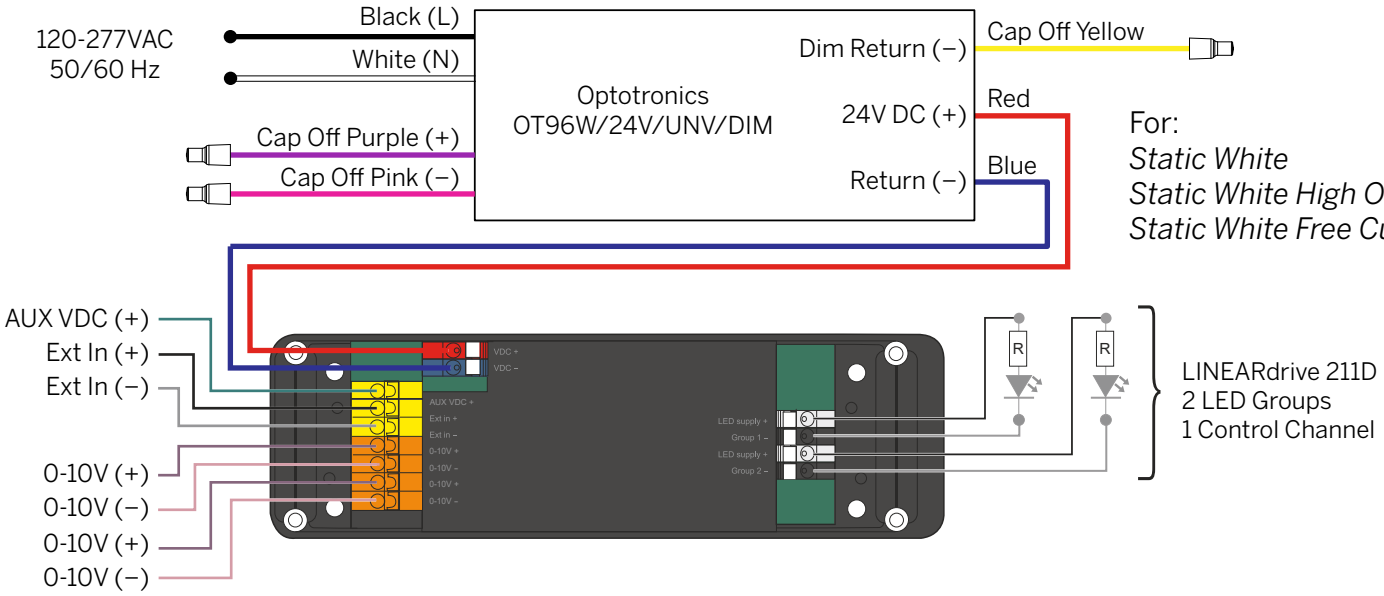


WARNING: If not connected to a 0-10V dimmer, driver MUST be wired as Non-dim. Not doing so can cause the driver and the fixtures to fail prematurely.

Need Help?

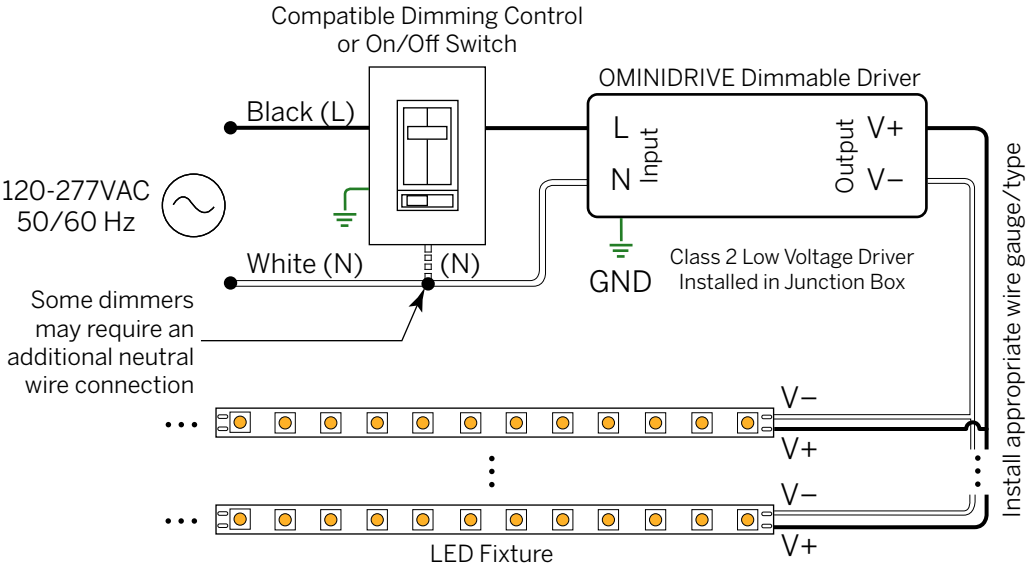
Step 6 - ***Wire Luminaire*** *(continued)*

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



For:
Static White
Static White High Output
Static White Free Cut

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

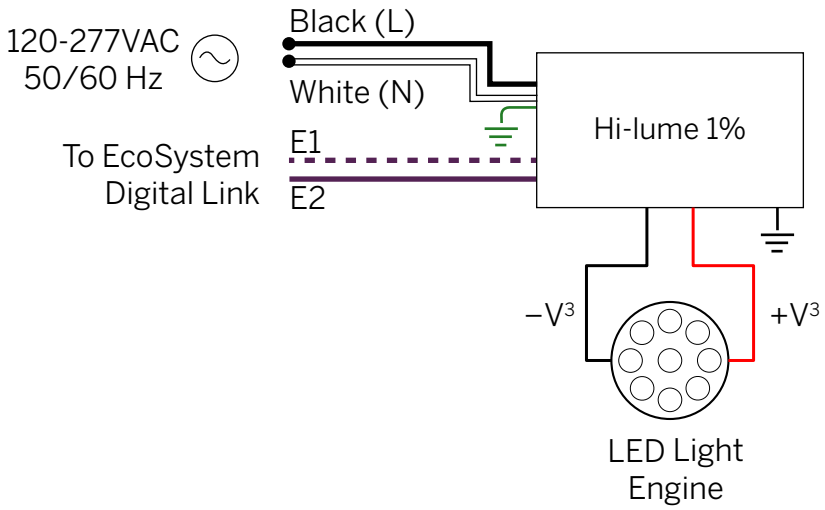


For:
Static White
Static White High Output
Static White Free Cut

Need Help?

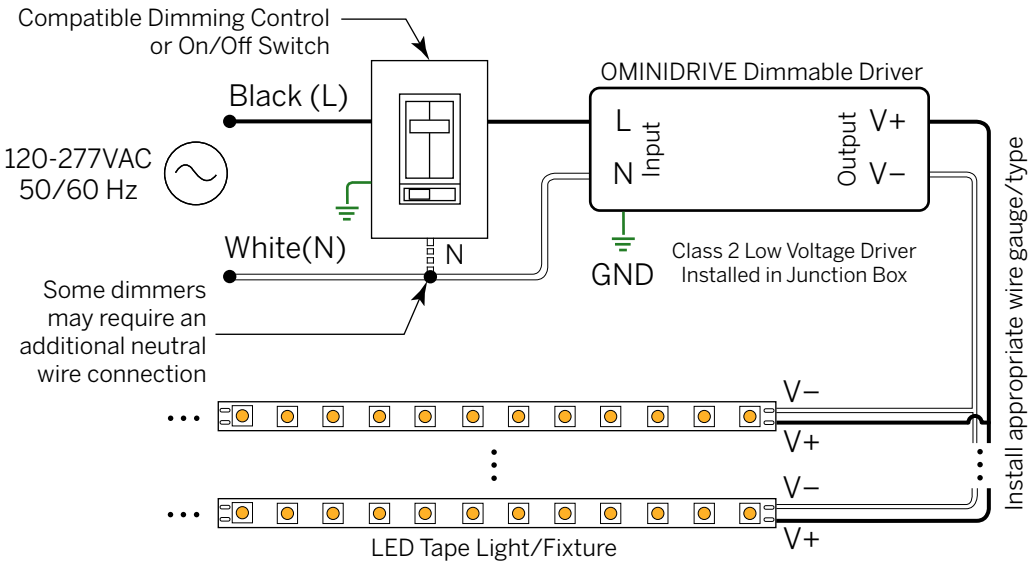
Step 6 - ***Wire Luminaire*** *(continued)*

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



For:
Static White
Static White High Output
Static White Free Cut

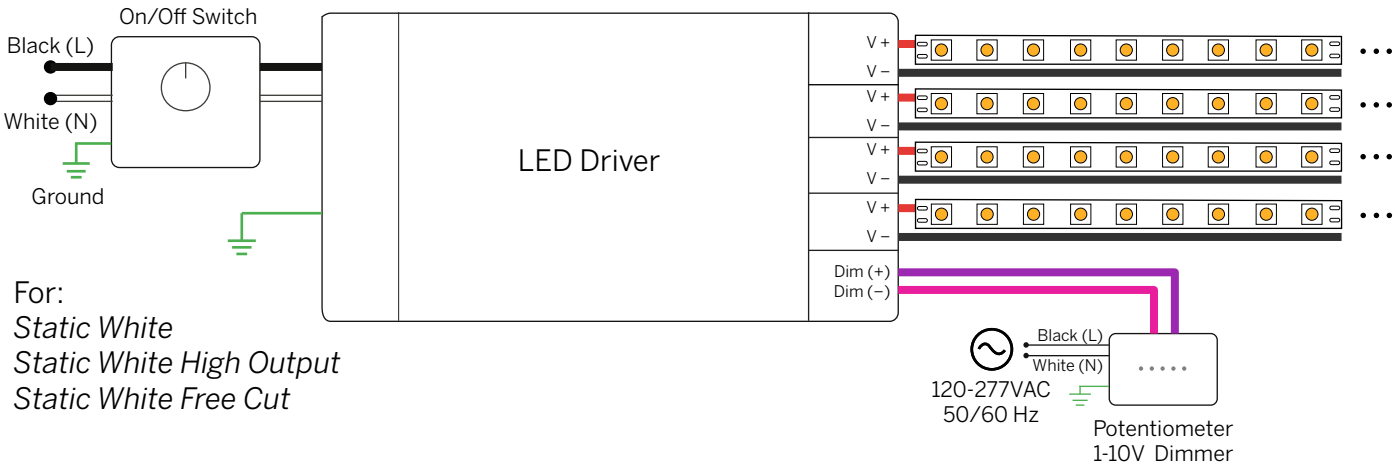
UNV96-WL = 0-10V/Phase Dim 96W Wet Location, 1% dimming (120-277V)



For:
Static White
Static White High Output
Static White Free Cut

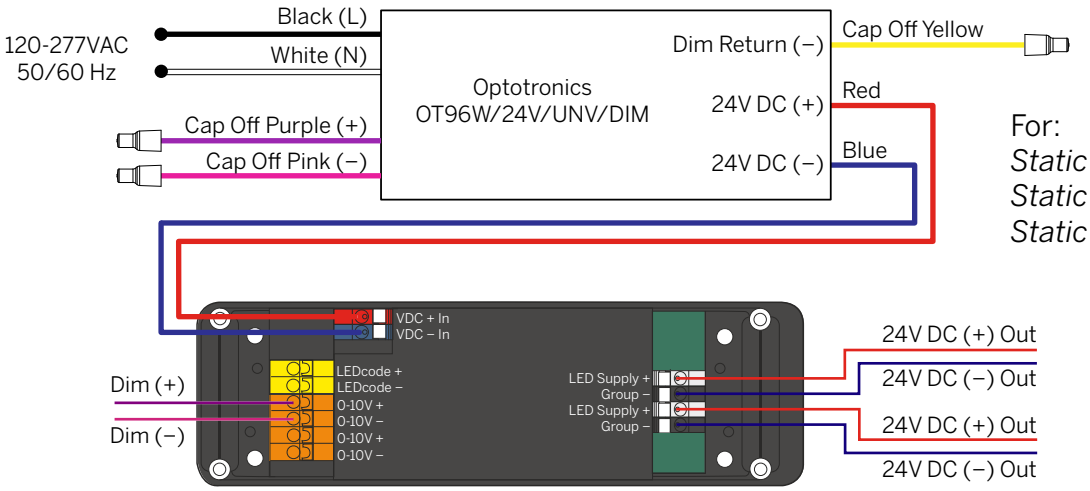
Step 6 - ***Wire Luminaire*** *(continued)*

UNV384-WL = 0-10V/Phase Dim 384W Wet Location, 1% dimming (120-277V)



For:
Static White
Static White High Output
Static White Free Cut

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



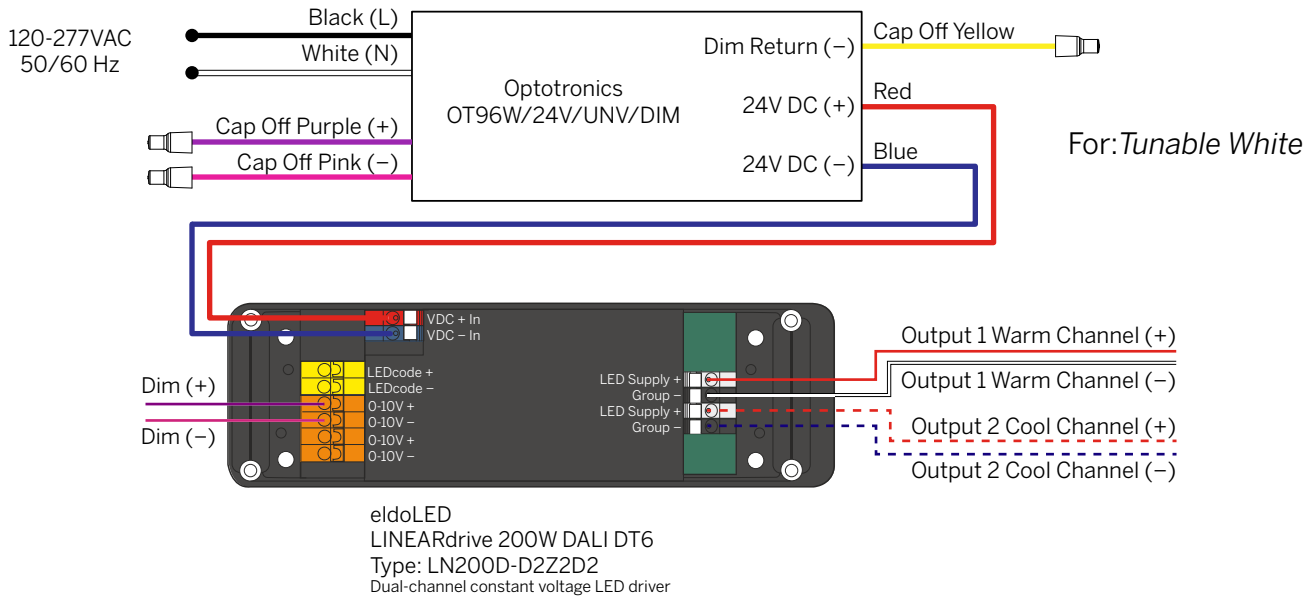
For:
Static White
Static White High Output
Static White Free Cut

LINEARdrive 211D
2 LED Groups
1 Control Channel

Need Help?

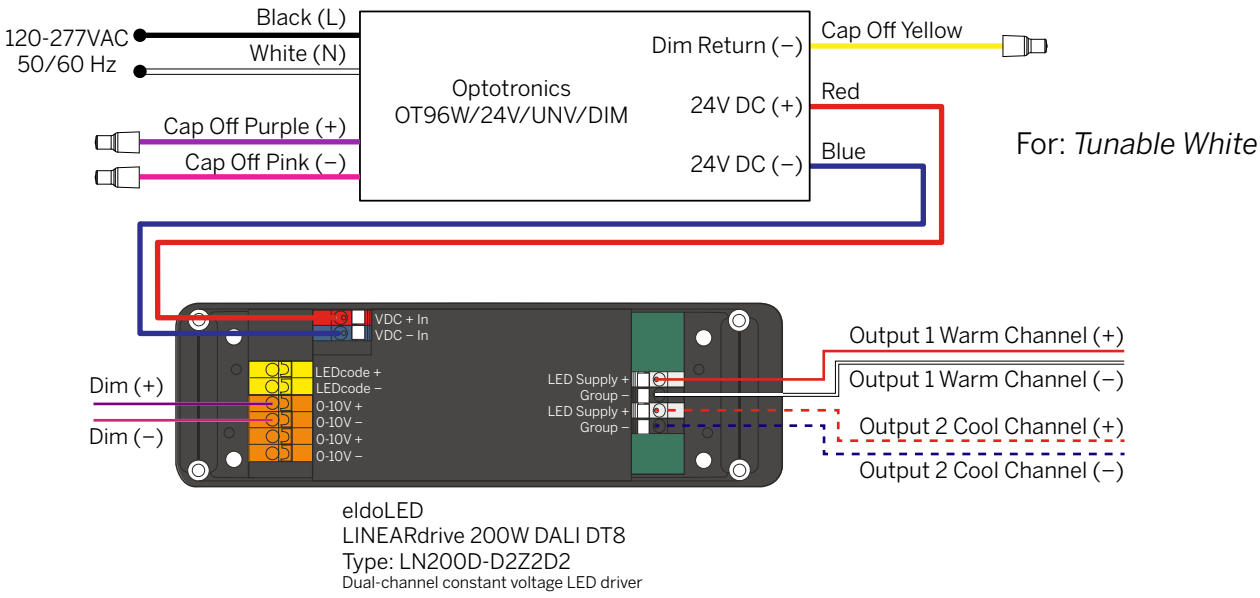
Step 6 - ***Wire Luminaire*** *(continued)*

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



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

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

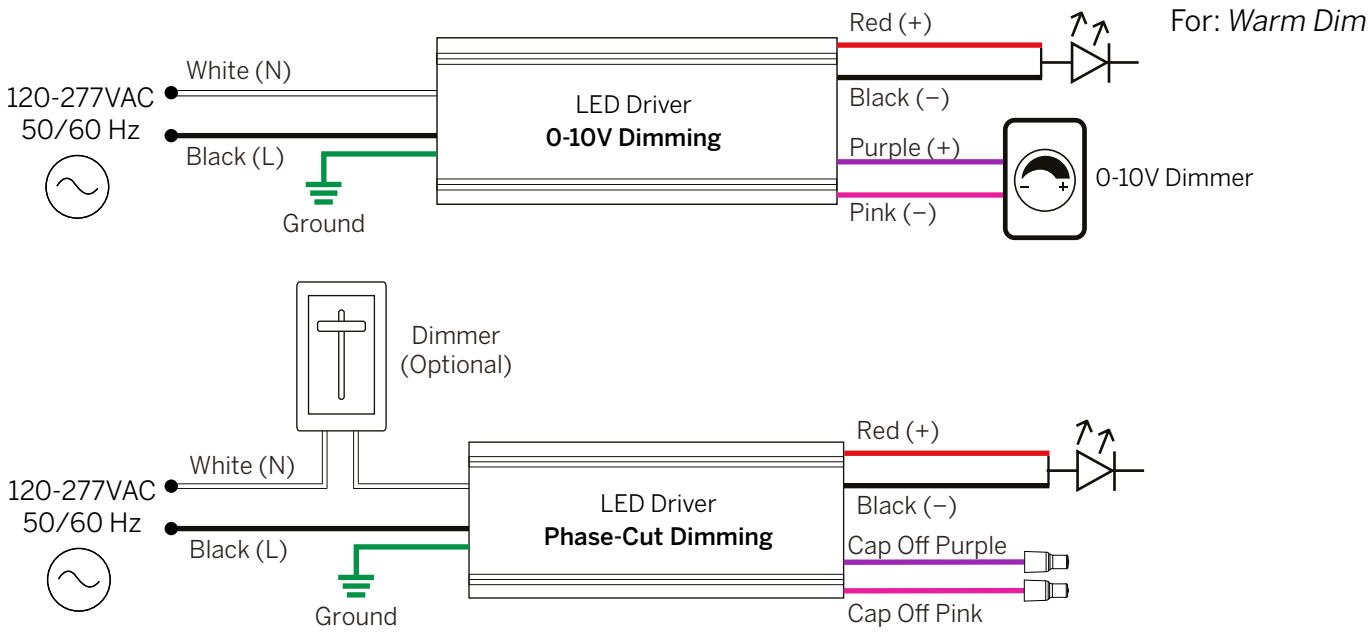


eldoLED
LINEARdrive 200W DALI DT8
Type: LN200D-D2Z2D2
Dual-channel constant voltage LED driver

Need Help?

Step 6 - ***Wire Luminaire*** *(continued)*

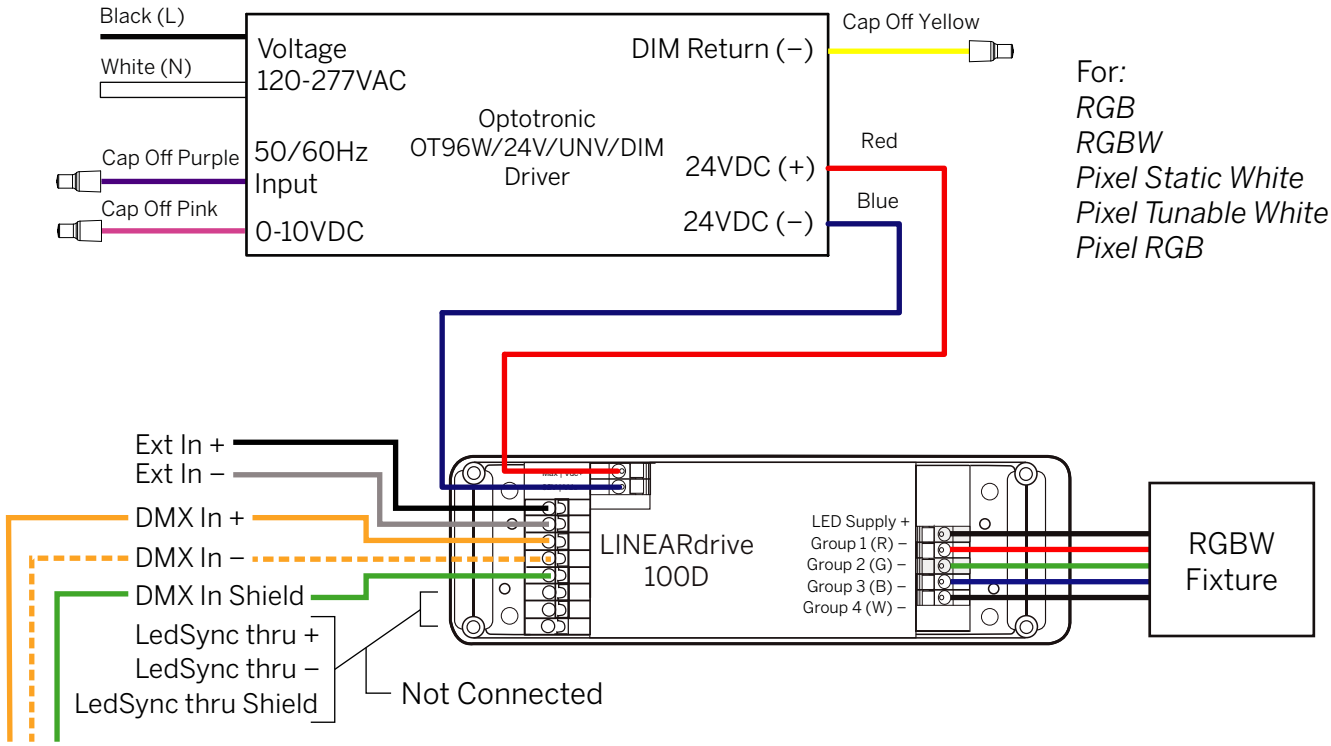
MAGSDM96-WD = 0-10V/Phase Dim 96W, 0.1% CCR dimming (120-277V) Phase - 120V only



This space intentionally left blank.

Step 6 - ***Wire Luminaire*** *(continued)*

DMX = eldoLED 24V, 0.1% DMX Dimming



For:
RGB
RGBW
Pixel Static White
Pixel Tunable White
Pixel RGB

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.