

Installation Instructions

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



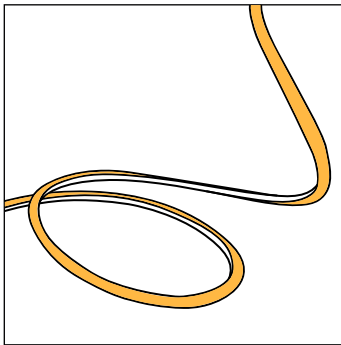
To prevent electrical shock disconnect electrical supply before installation or servicing.
Never connect a Fixture to a Live Driver!!!

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.

24VDC Constant Voltage



5 x 5 Vertical Domed

Static White Free Cut
Static Red
Static Green
Static Blue

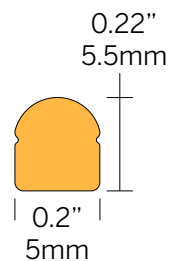
Minimum Vertical Bend
 $\varnothing \geq 1.2'' / 30\text{mm}$

Working Temperature Range
-40° to 130°

Available with or without Adhesive Backing. Backing **not** compatible with Push-In Profile.



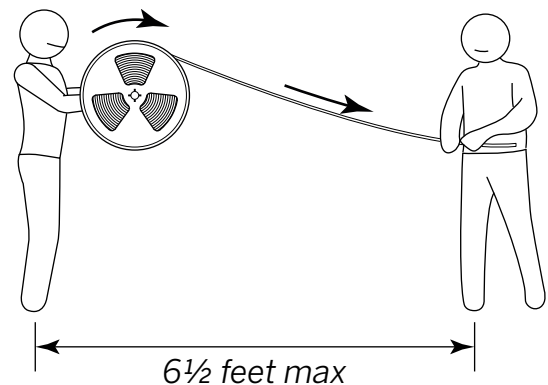
Do not attempt to bend this Luminaire in the horizontal plane!



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

Step 2 - *Handling the Luminaire*

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



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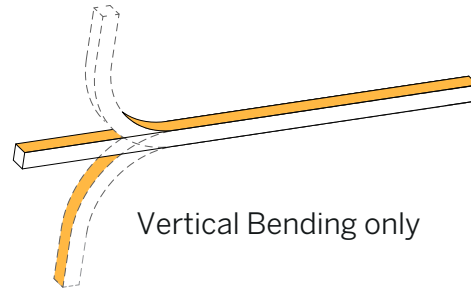
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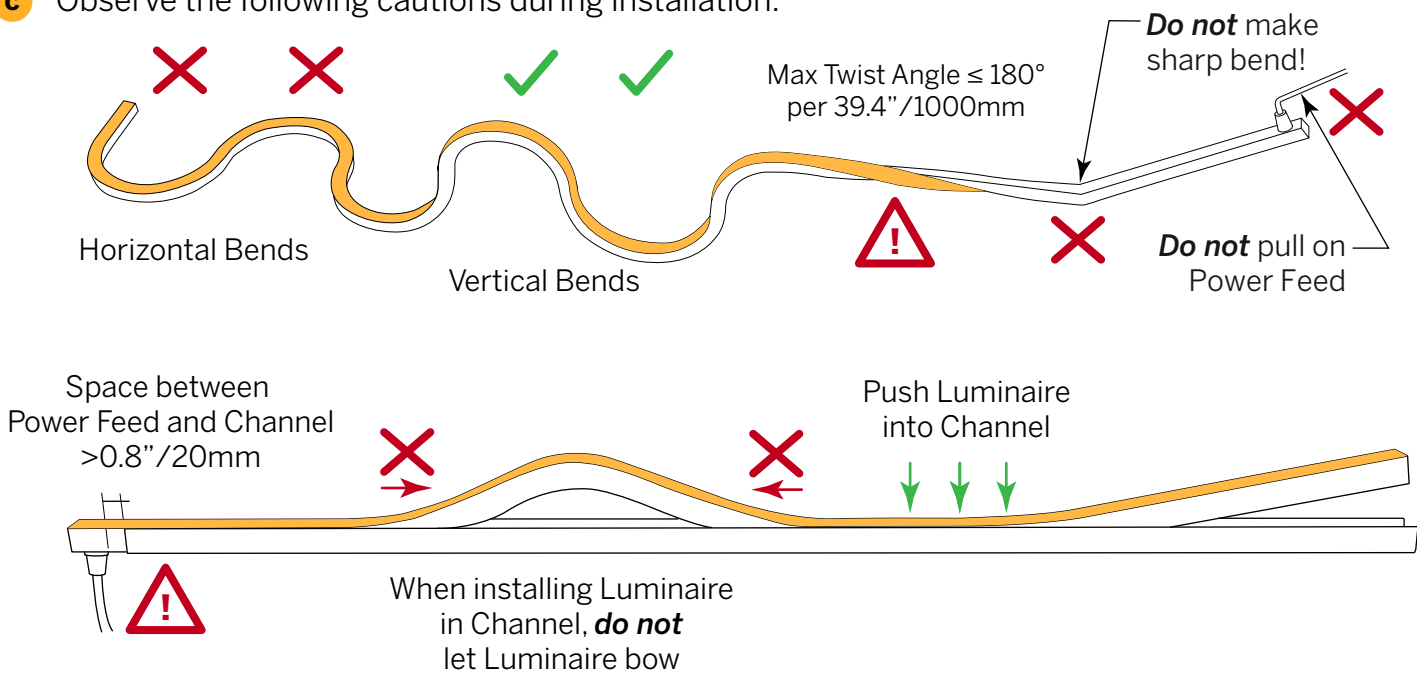
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Step 2 - *Handling the Luminaire* (continued)

- b** The Flex 5 x 5 Vertical Domed Luminaire may be represented by the illustration at right. All Vertical Luminaires bend in the **vertical plane only** - Up or Down.

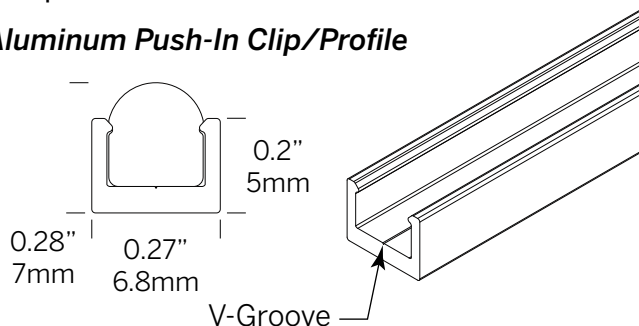


- c** Observe the following cautions during installation:



Step 3 - *Accessories*

Aluminum Push-In Clip/Profile



Available in:

0.79"/20mm Silver
39.37"/1000mm Silver
78.74"/2000mm Silver

NOTE: Aluminum Push in Profile is not pre-drilled with Mounting Holes. Drill appropriately-sized holes as needed. Use V-Groove to locate drill bit along length of Profile. Mounting screws and anchors supplied by others.

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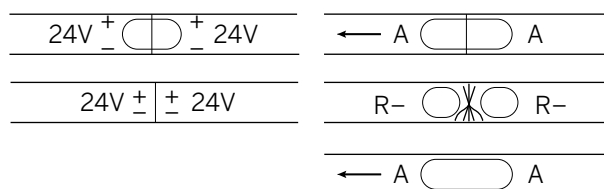
Step 4 - *How to Field Cut the Flex Luminaire*

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

All versions of the Flex 5 x 5 Vertical 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 Free Cut

LED Type SF04 - n/a
LED Type SF08 - n/a
LED Type SF12 - n/a

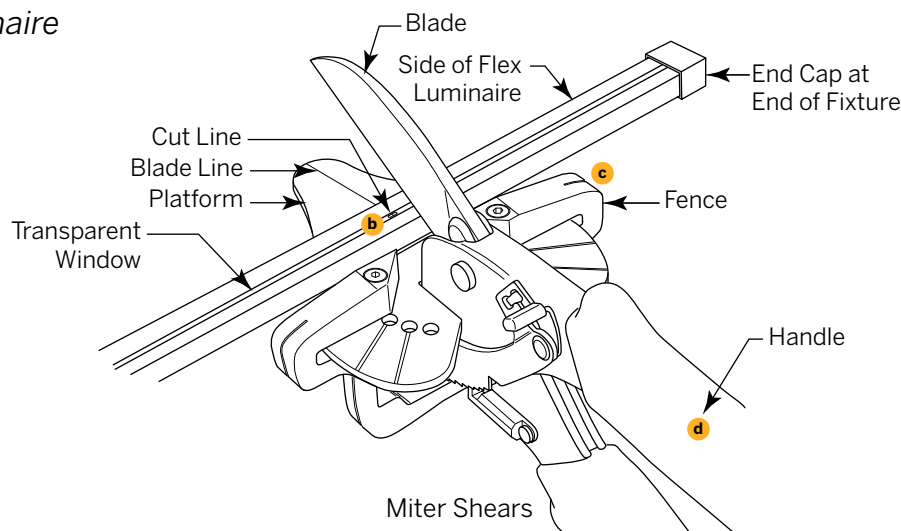
Static Red, Green, or Blue

LED Type S05 - 2"/50mm
LED Type S09 - 2"/50mm
LED Type S12 - 2"/50mm
LED Type S14 - 2"/50mm

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

- 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.

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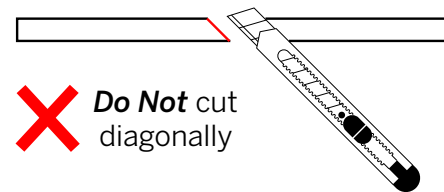
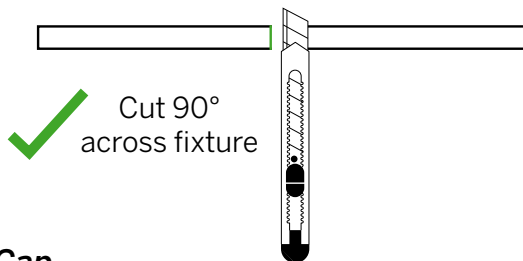


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Step 4 - **How to Field Cut the Flex Luminaire** (continued)

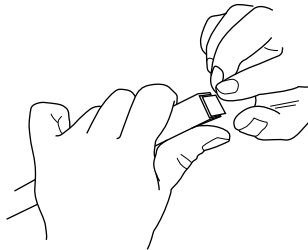
- c** Make sure Fence is at 0°, perpendicular to Blade.
- d** Squeeze Handles firmly to cut.

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

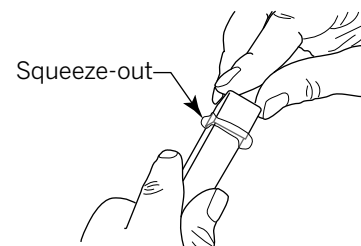
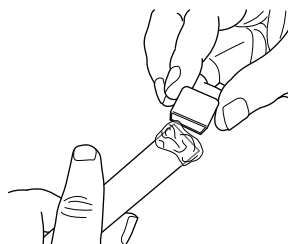
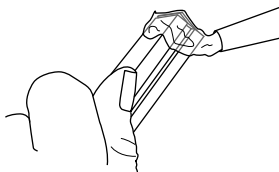


Apply End Cap

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.



- 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.

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

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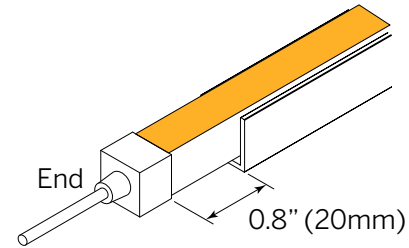


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Step 5 - *Install Luminaire*

The Flex 5 x 5 Vertical Domed sits in the Aluminum Profile via a friction fit.

When using Profiles, the Feed Cable end must sit *outside* of Profile. The distance between the End Power Feed and the beginning of the the Profile should be at least 0.8" (20mm). See illustration at right.



Generic Luminaire Shown

- a** Drill mounting holes on center V-Groove in Aluminum Profile as needed, at least one every 12".
- b** Fasten the Aluminum 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.
- e** Wire Luminaire according to Driver specified. See Illustrations in **Step 6**, pages 6-9.
- f** *Energize!*

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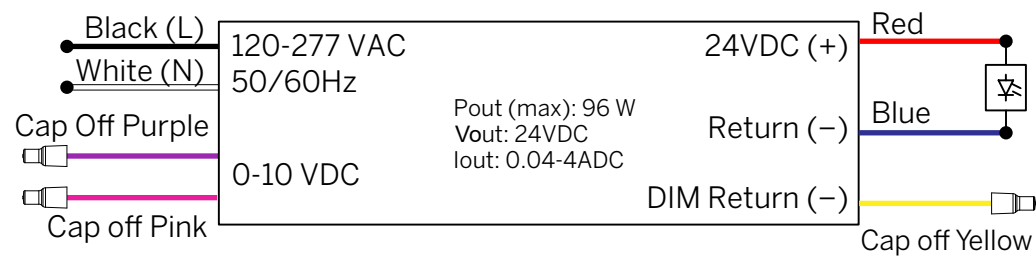
Step 6 - *Wire Luminaire*

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.

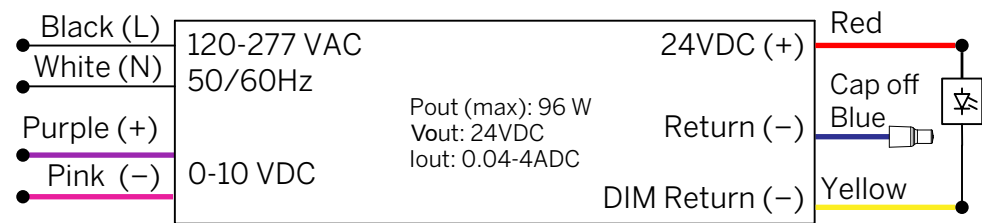
D010 = eldoLED, Non-Dim or 10% 0-10V dimming (120-277V)

For:
Static White Free Cut
Static Red
Static Green
Static Blue

Non-Dimming



Dimming



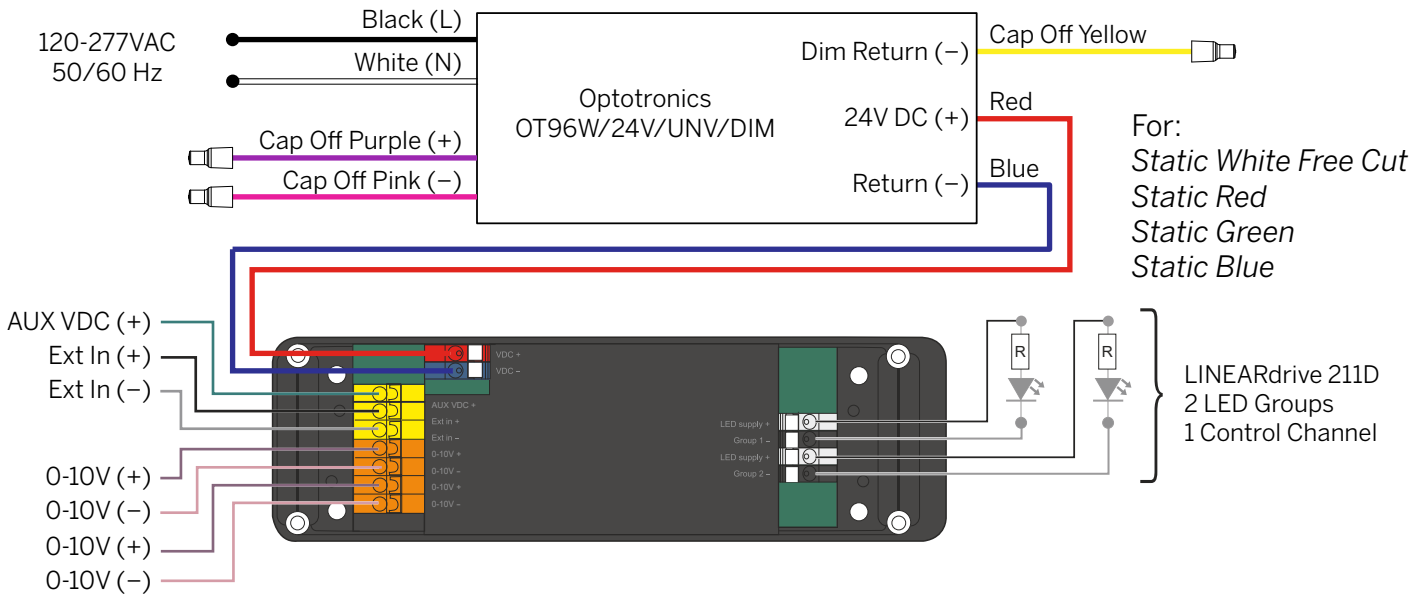
WARNING: If not connected to a 0-10V dimmer, driver MUST be wired as Non-dim. Not doing so can cause the driver and the fixtures to fail prematurely.

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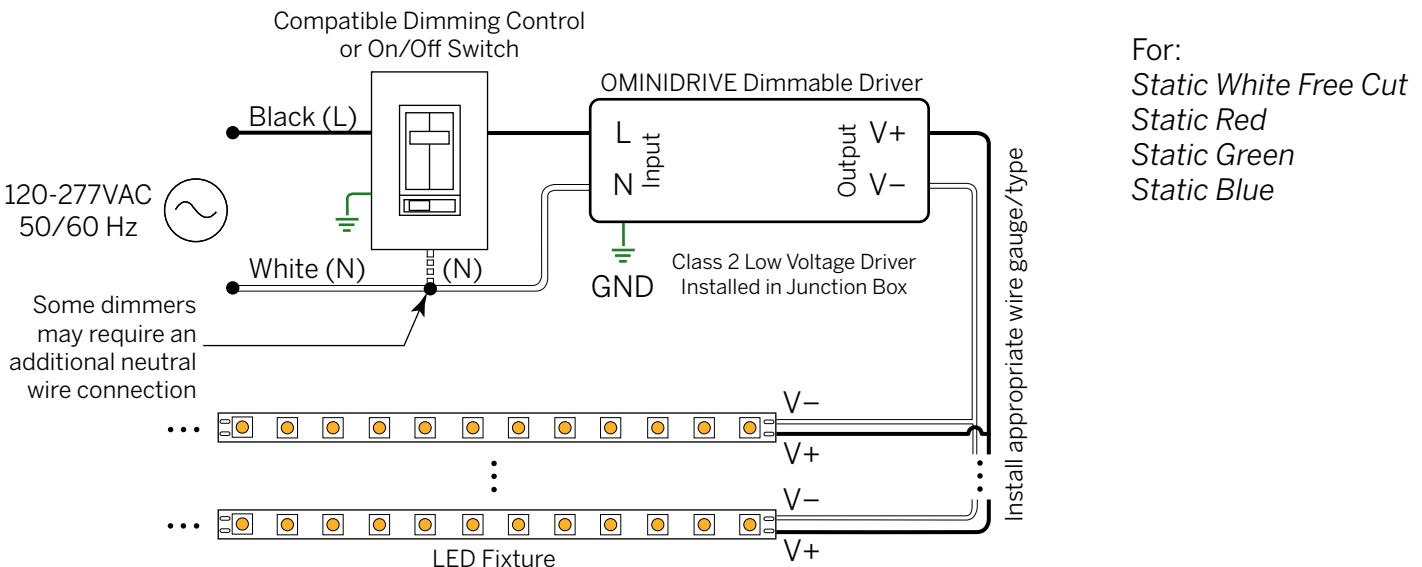


Step 6 - *Wire Luminaire* (continued)

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



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



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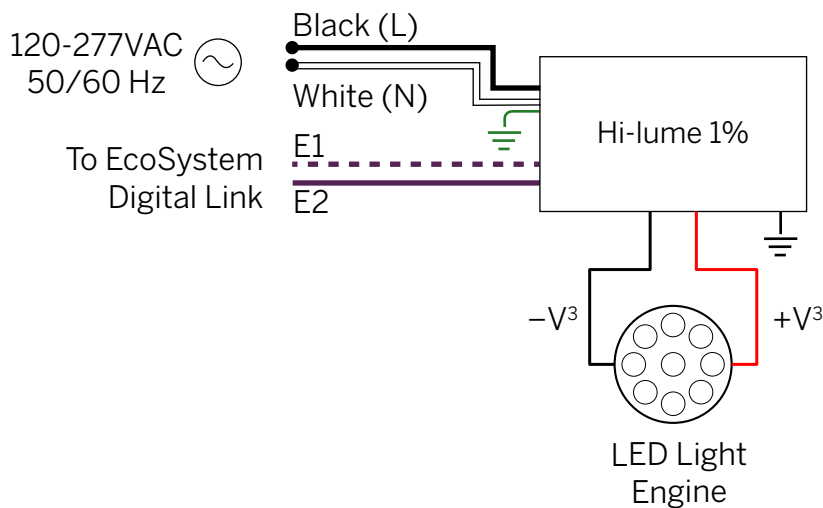
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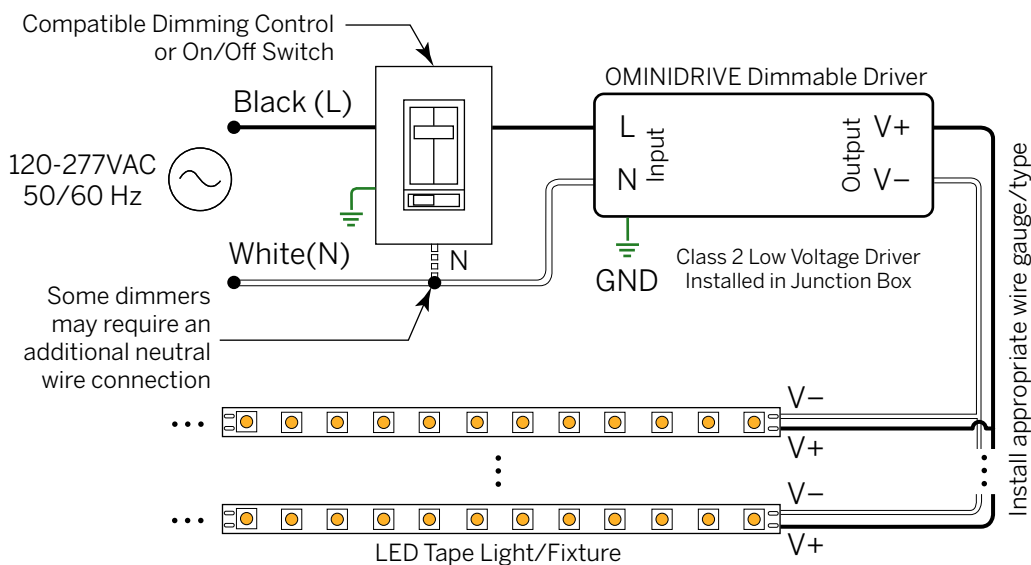
Step 6 - **Wire Luminaire** (continued)

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



For:
Static White Free Cut
Static Red
Static Green
Static Blue

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



For:
Static White
Free Cut only

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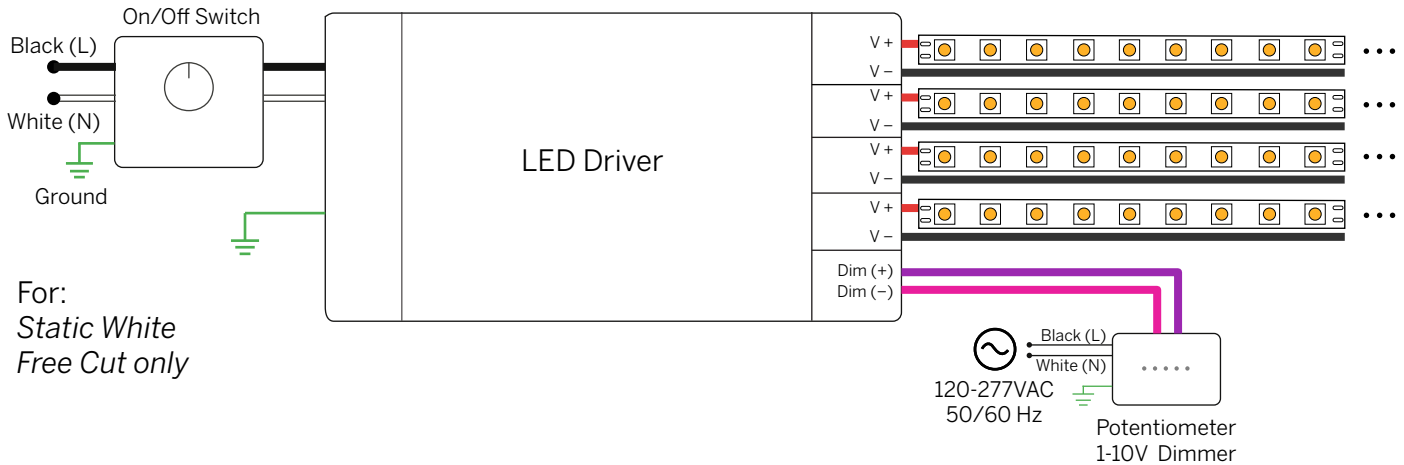
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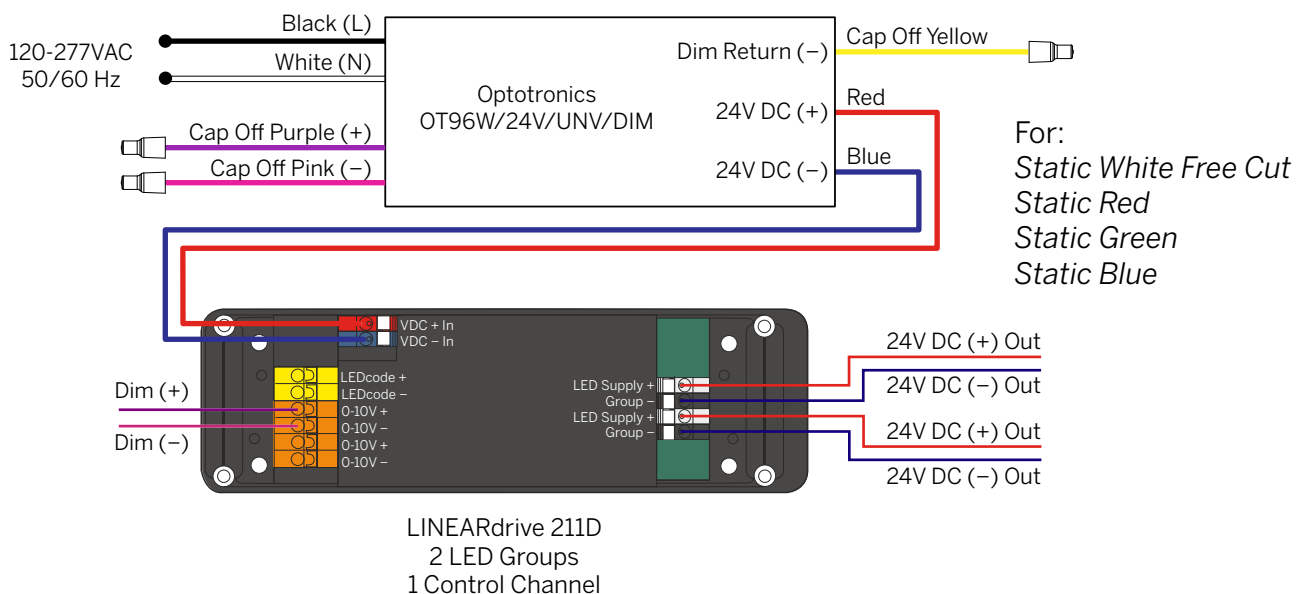
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Step 6 - **Wire Luminaire** (continued)

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



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



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