

Please read entire guide prior to starting installation.



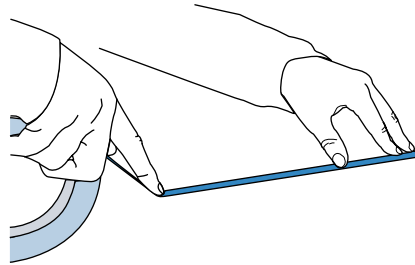
INSTALLATION DIRECTLY TO MOUNTING SURFACE

NOTES

1. IP40 and lower tape must be installed indoors only. Installing outdoors will void the warranty.
2. Installation must be carried out by a licensed electrician & executed in accordance with local codes.
3. The installing contractor assumes all liability for the safety and code compliance of the installation.
4. Optic Arts is not liable for any damages caused by improper wiring, driver overloading, driver under-loading, power surges, poor system design or layout, negligence or other conditions.

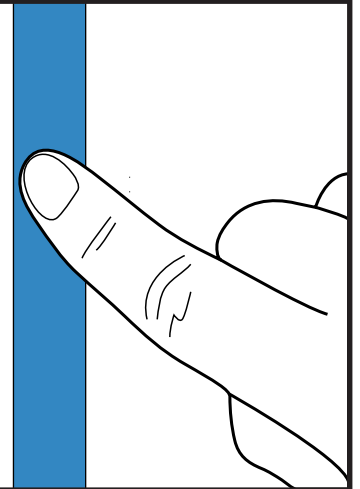
1.

- 1.1 Thoroughly clean mounting surface.
- 1.2 Apply DBTAPE10M by removing one side of the liner, unroll and adhere to surface. The lining on the top of the tape should remain until you are ready to apply FLEX RADIUS. For best results the tape should be installed without bubbles or ripples. If you make a mistake in application, remove the tape and all residue and discard and then start over with new tape.



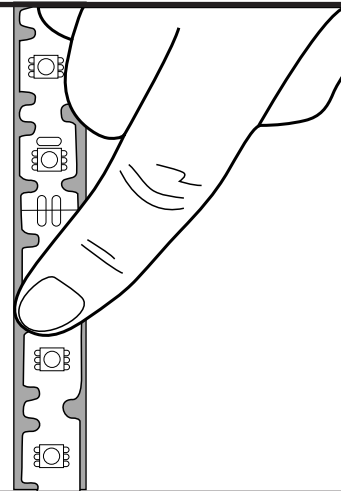
2.

- 2.1 Apply firm pressure to entire length of tape so the tape may bond to the mounting surface.



3.

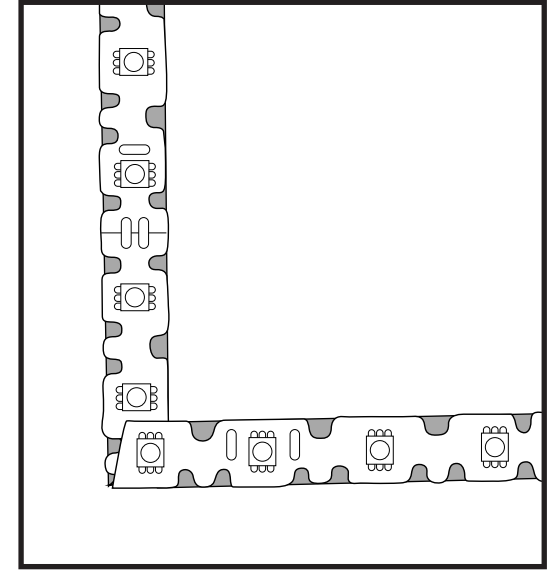
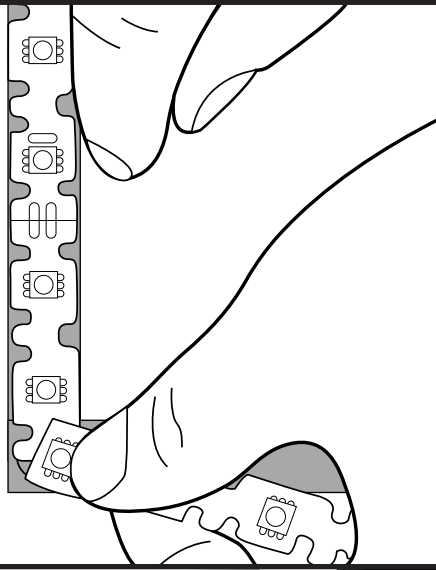
- 3.1 Prepare to mount FLEX RADIUS by removing the remaining liner from the double sided tape & the back of the FLEX RADIUS.
- 3.2 Start at one end of the FLEX RADIUS and place directly on top of the double sided tape (adhesive to adhesive). Work your way down the surface, pressing the FLEX RADIUS onto the DBTAPE10M as you go.



INSTALLATION DIRECTLY TO MOUNTING SURFACE

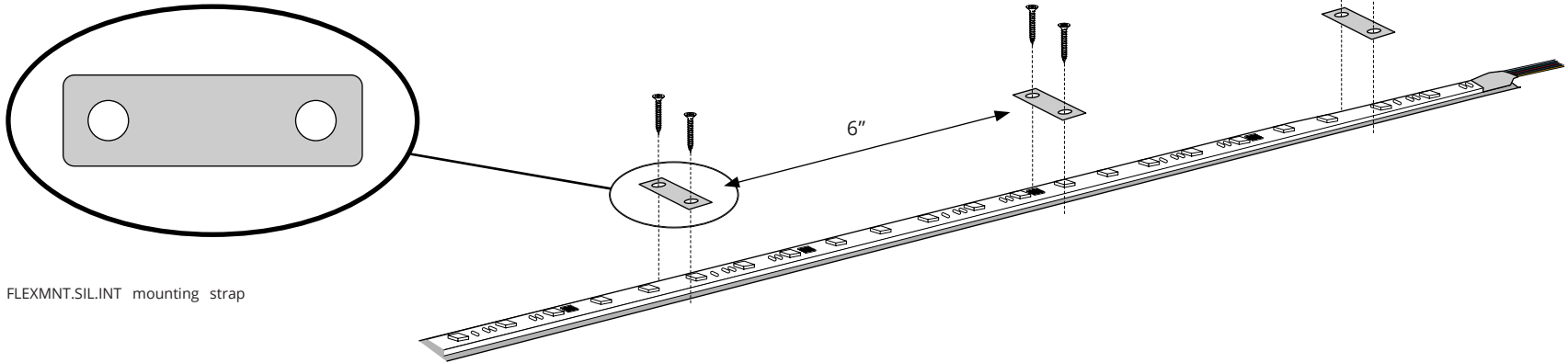
4.

- 4.1 You can bend the product and fold it over on itself up to 90° at the cutout bend points. Bending should be done once, repeated bending can damage the product.
- 4.2 Apply pressure to the entire length of FLEXDC firmly, but gently, using your fingers.

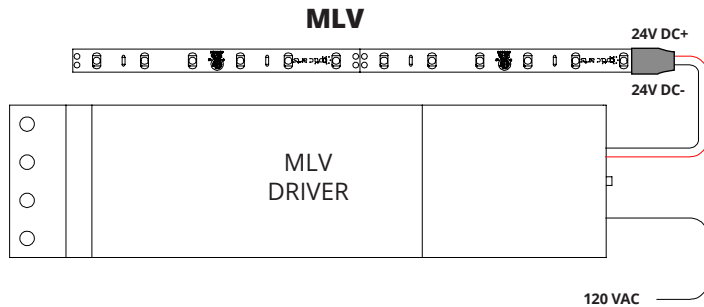


5.

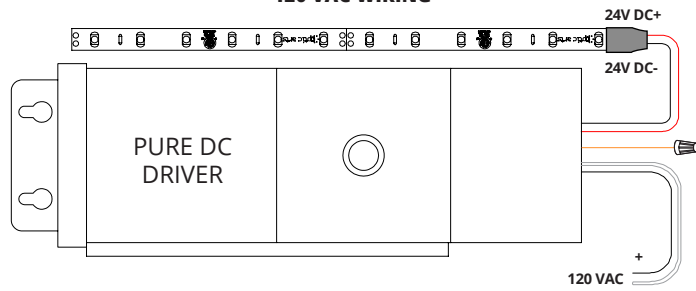
- 3.1 Install one FLEXMNT.SIL.INT mounting strap every 6”.



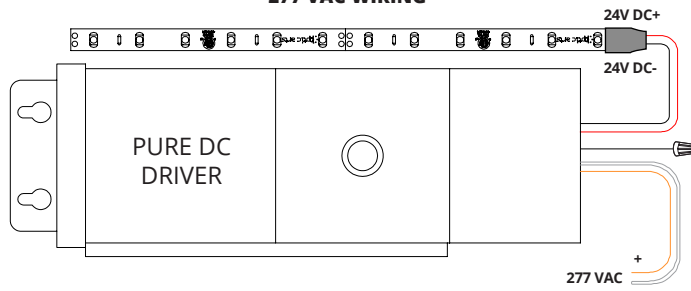
ELECTRICAL INSTALLATION



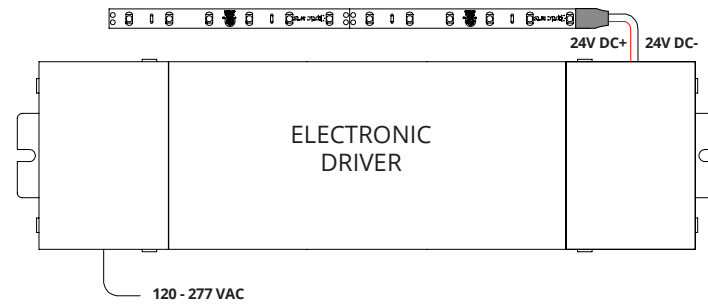
**PURE DC MLV
 120 VAC WIRING**



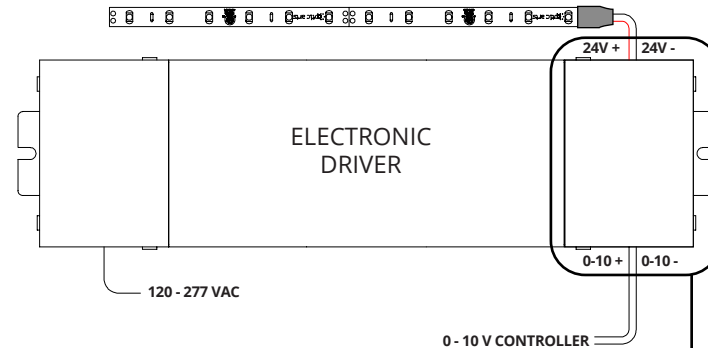
277 VAC WIRING



ELECTRONIC DRIVER - NON-DIM

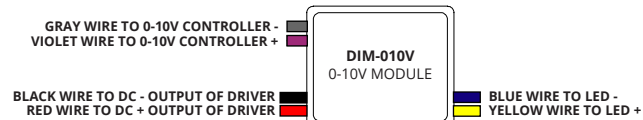


ELECTRONIC DRIVER W/O-10V MODULE



FIELD INSTALLED IN LOW VOLTAGE WIRING COMPARTMENT

- Install DIM-010V Module in low voltage wiring compartment.
- Max number of 25 modules on one dimmer. Consult dimmer datasheet for maximum device limitation of a specific controller.



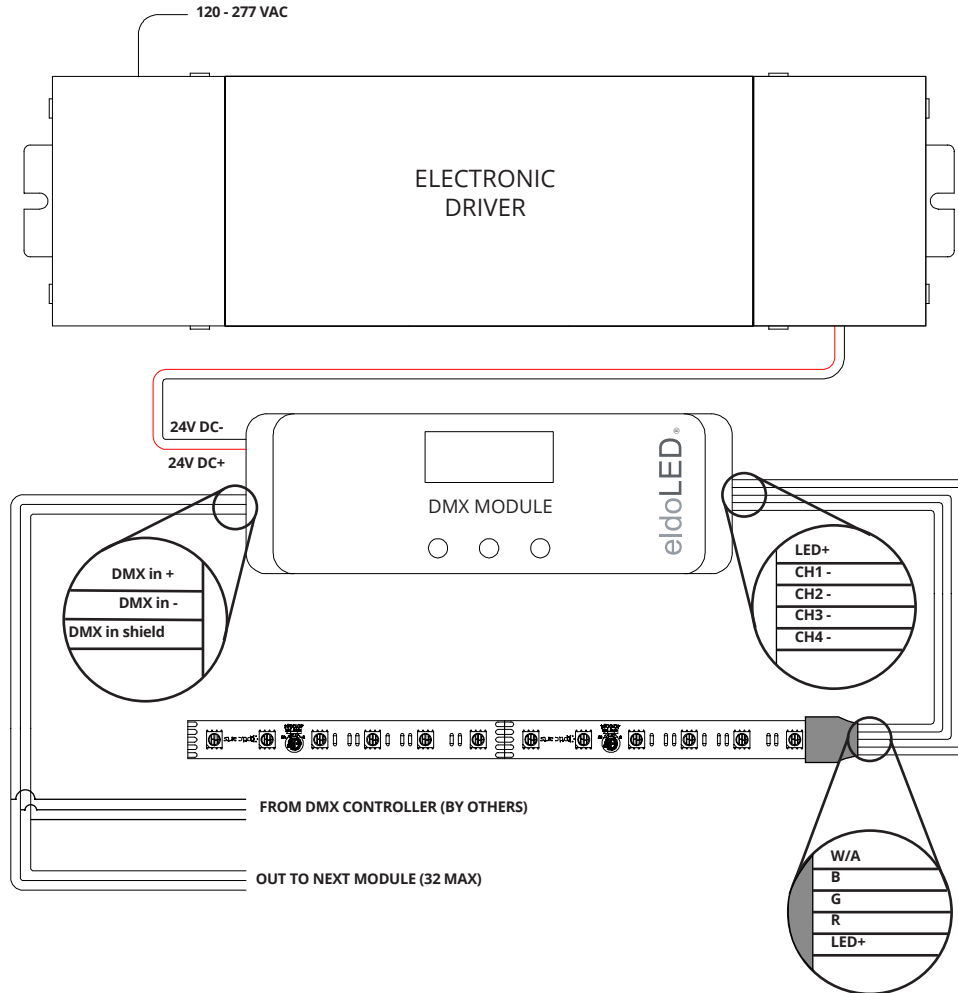
- 1.1** Confirm that all power is off prior to starting installation. Landing hot wires to the FLEXDC wire leads can damage the strip and will not be covered under warranty.
- 1.2** Wire FLEXDC strip to Optic Arts supplied driver. Use of any other driver must be approved by Optic Arts prior to use in order to maintain warranty.

- 1.3** EMCOD MLV drivers must be loaded between 80% and 100%. Use of any other driver must be approved by Optic Arts prior to use in order to maintain warranty.
- 1.4** Justin MLV drivers and electronic drivers have no minimum load.
- 1.5** Ensure that the proper wire gauge is used in order to minimize voltage drop.

- 1.6** Make certain that the polarity is correct prior to energizing system. Reverse polarity wiring can damage the FLEXDC strip and will not be covered under warranty.

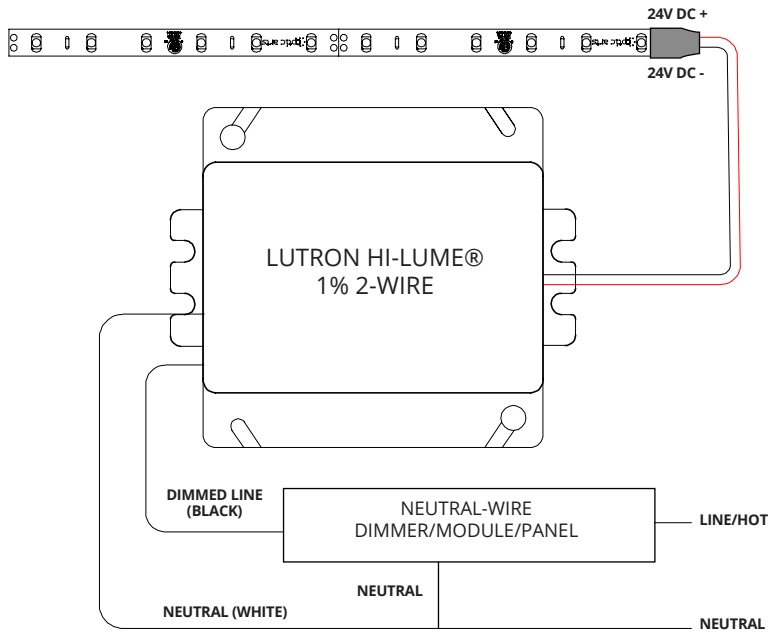
ELECTRICAL INSTALLATION

ELECTRONIC DRIVER W/DMX MODULE



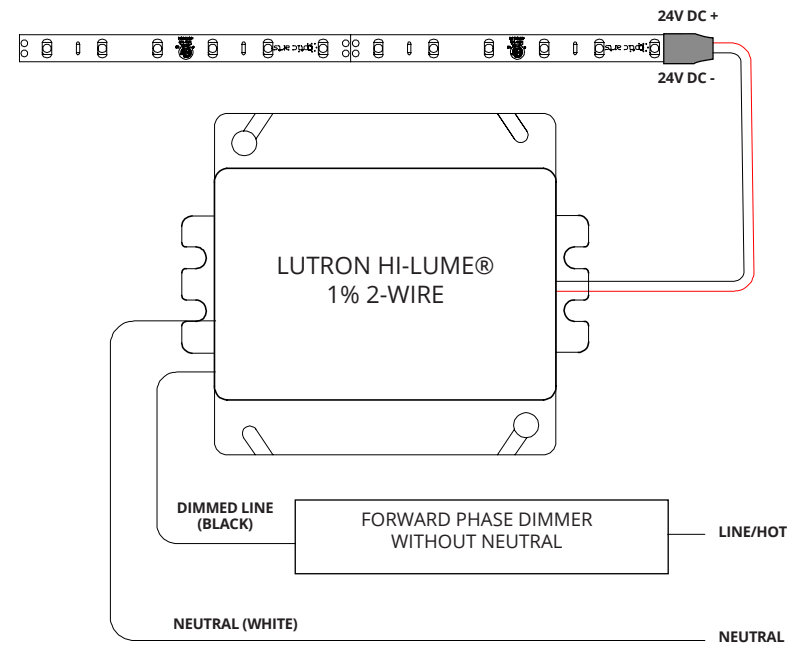
LUTRON HI-LUME® 1% 2-WIRE: 2-WIRE CONTROL FORWARD PHASE

DIMMER WITH NEUTRAL



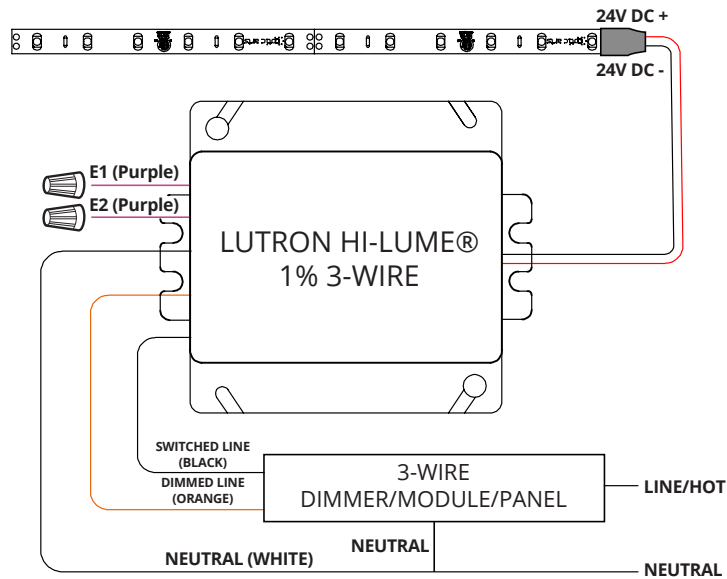
LUTRON HI-LUME® 1% 2-WIRE: 2-WIRE CONTROL FORWARD PHASE

DIMMER WITHOUT NEUTRAL



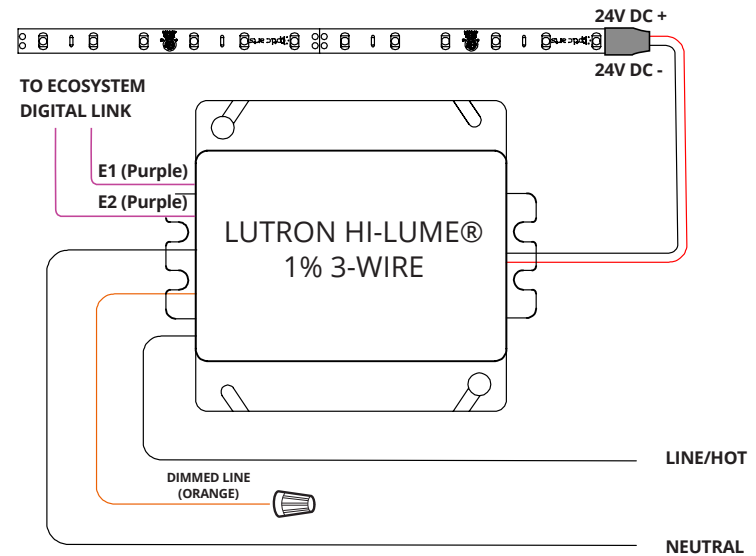
LUTRON HI-LUME® 1%: 3-WIRE/ECOSYSTEM

3-WIRE

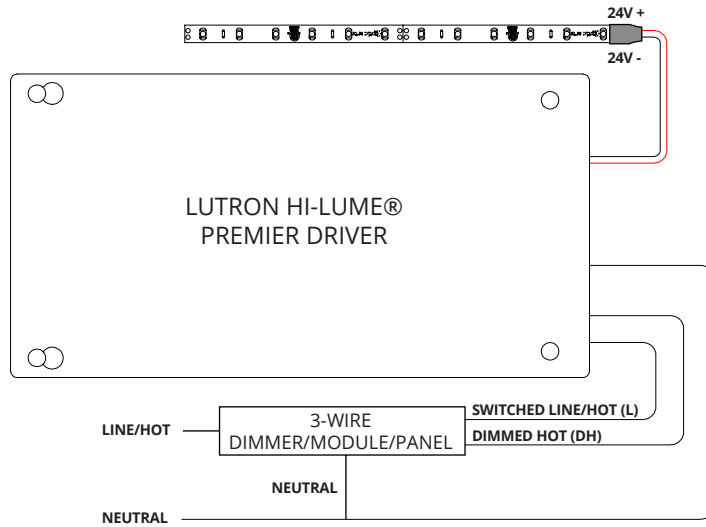


LUTRON HI-LUME® 1%: 3-WIRE/ECOSYSTEM

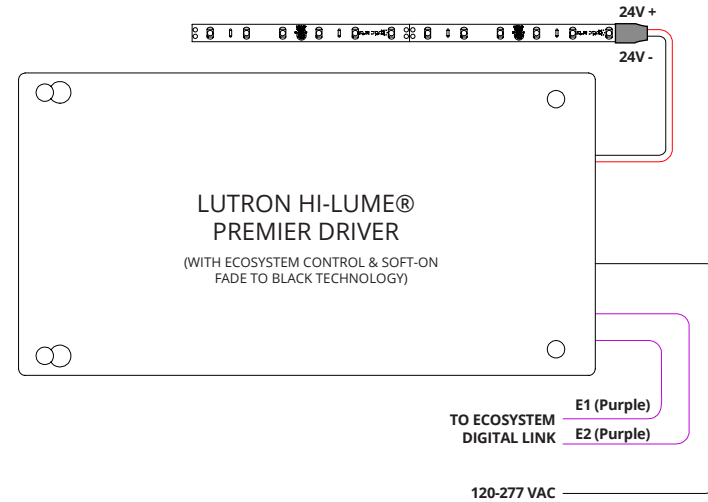
ECOSYSTEM



LUTRON HI-LUME® PREMIER:
 3-WIRE/ECOSYSTEM
 3-WIRE



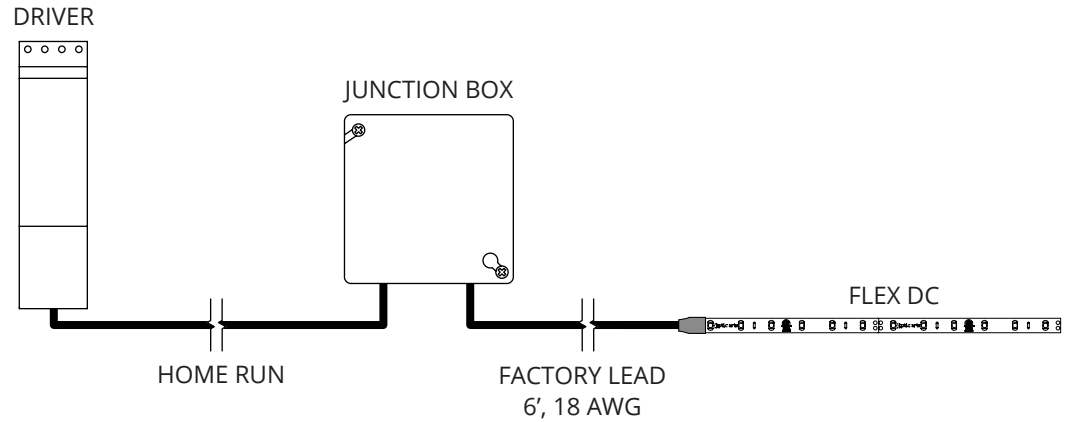
LUTRON HI-LUME® PREMIER:
 3-WIRE/ECOSYSTEM
 ECOSYSTEM



REMOTE DRIVER DISTANCE CHART

NOTES:

1. Calculated using 4 amp draw (96 Watts at 24VDC).
2. Calculation includes 6' 18 AWG factory lead connected to home run.
3. Home run can be increased if factory lead length is decreased.



HOME RUN DISTANCE	MINIMUM GAUGE	VOLTS	% DROP
5'	18 AWG	23.44	2.38%
10'	16 AWG	23.38	2.62%
15'	14 AWG	23.43	2.41%
20'	14 AWG	23.34	2.78%
25'	12 AWG	23.38	2.60%
30'	12 AWG	23.32	2.87%
35'	10 AWG	23.42	2.45%
40'	10 AWG	23.38	2.61%
45'	10 AWG	23.34	2.78%
50'	10 AWG	23.30	2.95%
55'	8 AWG	23.42	2.43%
60'	8 AWG	23.40	2.54%
65'	8 AWG	23.37	2.64%
70'	8 AWG	23.35	2.75%
75'	8 AWG	23.32	2.85%
80'	8 AWG	23.30	2.96%
85'	6 AWG	23.43	2.40%
90'	6 AWG	22.41	2.47%
95'	6 AWG	23.40	2.53%
100'	6 AWG	23.38	2.60%