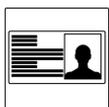


SAFETY & WARNINGS

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

1. Install in accordance with national and local electrical code regulations.
2. This product is intended to be installed and serviced by a qualified, licensed electrician.
3. Do not modify or disassemble this product beyond instructions or the warranty will be void.
4. Do not use if there is any damage to the fixture or wiring. Inspect periodically.
5. Do not install near areas with exposure to salt water or chlorinated water.
6. Do not install in direct sunlight or damage to the LED phosphor will occur.
7. Do not attempt to fix this product in the field.
8. Failure to follow safety warnings, and installation instructions will void the warranty for this product.



QUICK SPECS / MODELS

Input	24VDC Constant Voltage
Power	6.26W/ft.
Ambient Temp*	-4° - 122°F (-20° - 50°C)
Environment**	Indoor/Damp Location

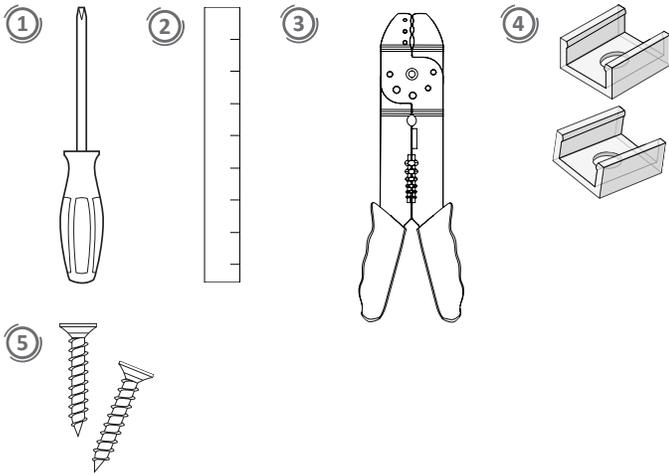
* Do not install product in environment outside listed temperature.

****NOT FOR USE WITHIN POOLS, CHLORINATED WATER, OR SALT WATER ENVIRONMENTS.**

ETERNALUX™ LED LIGHT BAR

INSTALLATION GUIDE

REQUIRED TOOLS



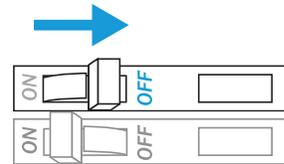
1. Phillips-head Screwdriver
2. Ruler (Recommended)
3. Wire Stripper (Recommended)
4. (2) Mounting Clips per 12".
5. (1) Screw per Mounting Clip

INSTALLATION

1 TURN POWER OFF AT CIRCUIT BREAKER

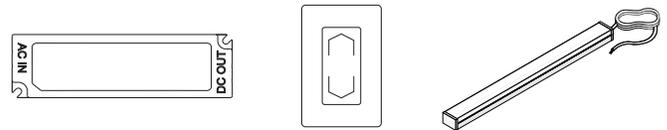


SHOCK HAZARD! May result in serious injury or death.
Turn power OFF at circuit breaker prior to installation.



2 DETERMINE LOCATION TO INSTALL COMPONENTS

Refer to **SYSTEM DIAGRAMS**



1) Class 2 Driver

2) Control

3) Eternalux

WIRE GAUGE & VOLTAGE DROP

Ensure applicable wire is installed between driver, fixture, and any controls in between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.)

3 TEST CONNECTION



Prior to mounting, attach to Class 2 LED Driver, turn on power and test connection to ensure system is operating properly. Turn off power again before mounting.

ETERNALUX™ LED LIGHT BAR

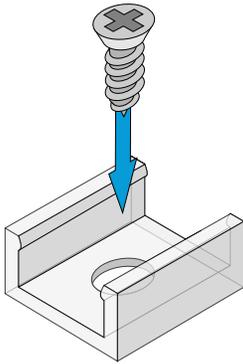
INSTALLATION GUIDE

INSTALLATION (CONT.)

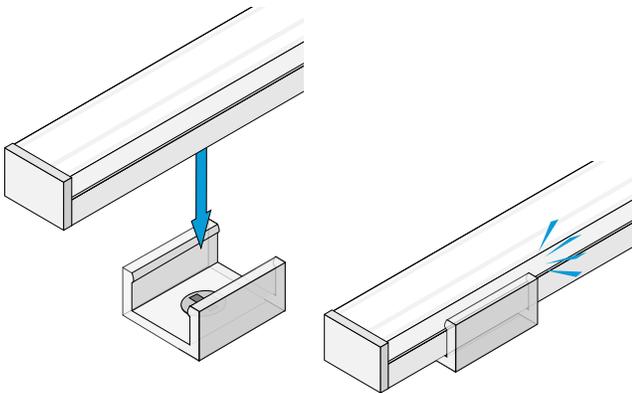
4 MOUNT ETERNALUX™ LED LIGHT BAR

*Note: 3M VHB adhesive tape included with ETERNALUX™ LED Light Bar is intended for indoor installation only. Refer to **INSTALLATION OPTIONS** on page 4 for further details.

4.1 Screw mounting clip to surface



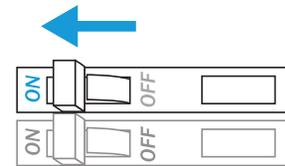
4.2 Place ETERNALUX™ Strip Light into mounting clip



5 ATTACH DRIVER AND LIGHTING CONTROL.

Verify a compatible driver is installed. Utilize applicable wiring when installing outdoors. (Use of wet location-rated junction box recommended)

6 TURN POWER ON AT CIRCUIT BREAKER



TROUBLESHOOTING

Shift in brightness and/or kelvin	<ul style="list-style-type: none">• Ensure an appropriate gauge of wire is installed between strip light and LED driver. See VOLTAGE DROP CHARTS.
Some LEDs are not functional	<ul style="list-style-type: none">• Ensure strip light has not been bent excessively, which could damage circuitry.
Lights are flickering	<ul style="list-style-type: none">• Ensure a compatible driver and/or dimming control is installed. Check for loose connections.
Lights are turning on/off repeatedly	<ul style="list-style-type: none">• Ensure driver is not overloaded. An overloaded driver will trip the internal auto-reset (of driver) repeatedly, turning the system on/off.

TOOLS & RESOURCES

ETERNALUX™ LED LIGHT BAR SPECIFICATION SHEET
For full specifications.

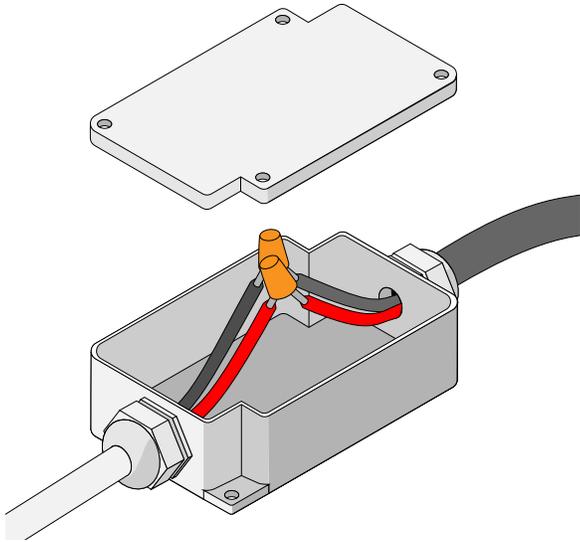
ETERNALUX™ LED LIGHT BAR

INSTALLATION GUIDE

INSTALLATION OPTIONS

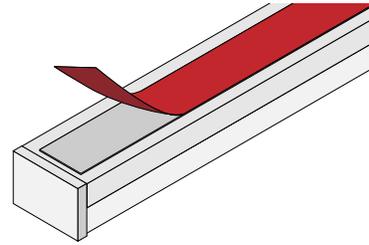
INSTALLING NEAR WATER OR OUTDOORS

Connect ETERNALUX™ LED Light Bar to power supply within wet location rated junction box.

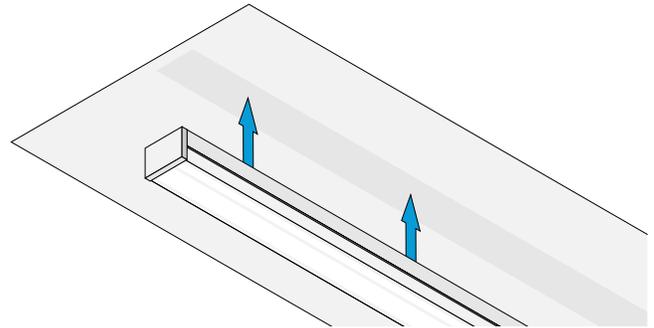


INDOOR INSTALLATION

Press 3M VHB adhesive tape to back of ETERNALUX™ LED Light Bar, then remove protective covering.



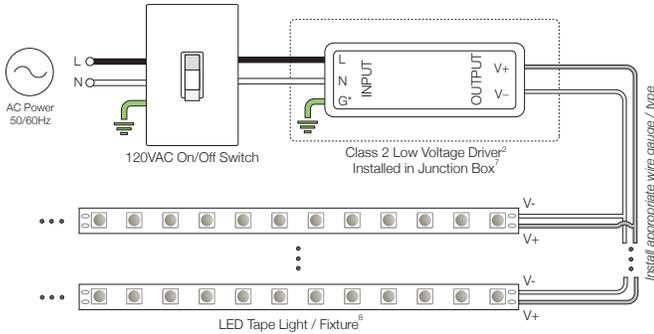
Press ETERNALUX™ LED Light Bar to clean, dry surface.



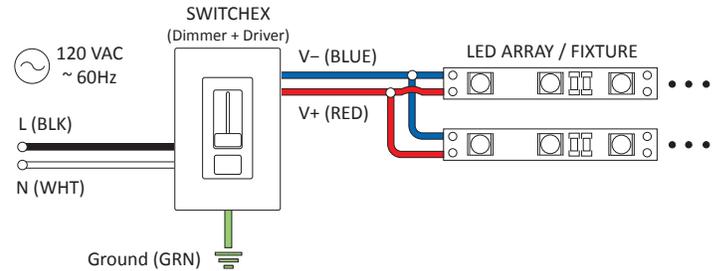
SYSTEM DIAGRAMS

The following diagrams are provided as example system designs. For information regarding larger systems or systems not pictured below, please see our web page or contact technical support. Always review each component installation guide for detailed and up-to-date wiring instructions. Install in accordance with national and local electrical codes.

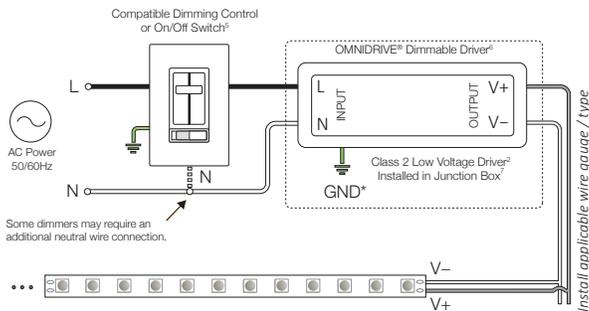
Traditional ON/OFF Switch System



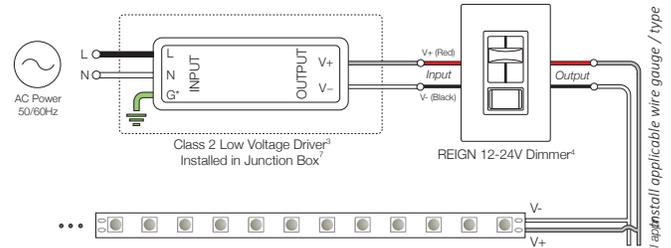
SWITCHEX® Dimmer/Driver System



OMNIDRIVE® Electronic Dimmable Driver System



REIGN® 24V Dimmer System



1. Driver may not require a fault ground connection. Refer to driver specifications for additional information.
2. Install a compatible Class 2 constant voltage driver. Refer to each driver specification sheet for full power ratings & load deratings.
3. Install a Class 2 constant voltage driver compatible with a low voltage PWM controller/dimmer switch. Refer to each driver specification sheet for full power ratings & load deratings.
4. Determine the number of low voltage outputs of the driver when installing multiple PWM controllers/dimmer switches. No more than one PWM controller/dimmer switch can be attached to a single output of the driver.
5. Install a compatible dimming control or switch. See the 'Electronic Dimmable Driver / Dimmer Compatibility List' for compatible dimming controls. See the dimming control manufacturer installation guide for complete wiring instructions.
6. Ensure to load the driver at least 60% of the labeled load for proper dimming performance (required for dimmable installations only).
7. Refer to driver or controller specifications for a compatible junction box.
8. See fixture specifications for maximum series run limits.

VOLTAGE DROP CHARTS

For best performance and lumen output, ensure proper wire gauge is installed to compensate for voltage drop of low voltage circuits.

24V Voltage Drop & Wire Length Distance Chart

Wire Gauge	10 W .42 A	20 W .83 A	30 W 1.3 A	40 W 1.7 A	50 W 2.1 A	60 W 2.5 A	70 W 2.9 A	80 W 3.3 A	100 W 4.2 A
22 AWG	53 ft.	27 ft.	17 ft.	13 ft.	11 ft.	9 ft.	8 ft.	7 ft.	6 ft.
18 AWG	134 ft.	68 ft.	45 ft.	33 ft.	27 ft.	22 ft.	19 ft.	17 ft.	14 ft.
16 AWG	215 ft.	109 ft.	72 ft.	54 ft.	43 ft.	36 ft.	31 ft.	27 ft.	22 ft.
14 AWG	345 ft.	174 ft.	115 ft.	86 ft.	69 ft.	57 ft.	49 ft.	43 ft.	36 ft.
12 AWG	539 ft.	272 ft.	181 ft.	135 ft.	108 ft.	90 ft.	77 ft.	68 ft.	56 ft.
10 AWG	784 ft.	397 ft.	263 ft.	197 ft.	158 ft.	131 ft.	112 ft.	98 ft.	82 ft.

Voltage Drop Chart Guide

- 1 Determine load size. Let's assume load is 55 W. Round up to nearest load.
- 2 Determine distance from driver to load. Let's assume the distance is 20 ft.
- 3 It's recommended to install 18 AWG to eliminate excess voltage drop.