

LUX Strip Light driver regulated with built-in voltage stabilizer Installation Guide

Please read the following pages before attempting installation to ensure complete understanding of the LUMISHORE LUX Strip Light driver regulated with built-in voltage stabilizer

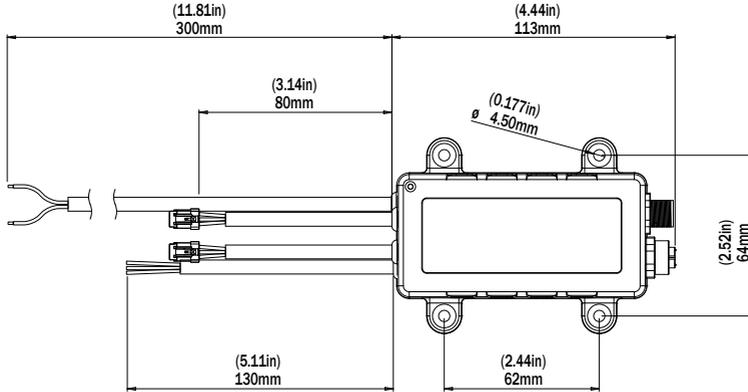


Before you start...

- Always ensure that the vessel's power source and battery are disconnected or isolated prior to installation.
- A qualified professional should carry out both the electrical and mechanical installation.
- The Strip light driver should be mounted on a flat surface and in a cool, dry, well ventilated location.
- Each strip light driver should be individually fused and/or connected to a suitable circuit breaker.
- The LUX Strip light Driver is designed to work with Lumishore LUX strip lighting products ONLY, do not use with other Strip light brands, this will invalidate the warranty.

The LUX Strip Light Driver Regulated with built in voltage stabilizer is suitable for both 12V and 24V vessels. It has built in circuitry to allow it to operate over a range of 10-31volts input and will ensure a regulated and stabilized output of 24volts.

Basic Dimensions:



Electrical specification:

- Input = 10.5 to 31 Volt
- Output = 24Volt (stabilized)
- Typical current draw = 5.6@12V, 2.8@24V
- Max power = 68watts
- Max strip light length = 10 Meters (2 x 5 meter)

Fuse rating (Note: Each Strip light driver should be connected via an in-line fuse or circuit breaker)

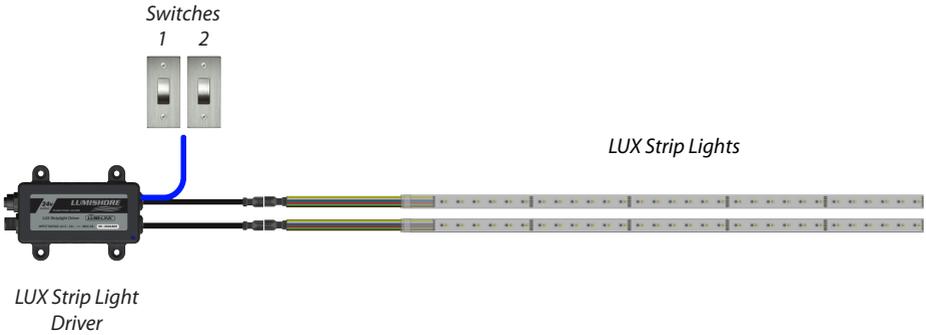
| Input Voltage | Fuse Rating |
|---------------|-------------|
| 12v | 7.5 Amp |
| 24v | 4 Amp |

Input & Output connections:



Installation Diagram (Switch Only Operation):

The LUX Strip light driver can be installed as a stand alone strip light driver and operated with momentary switches



A choice of different switch options are available.....

Option 1

- Switch 1 = On / Off (Hold to dim)
- Switch 2** = Cold White / Neutral White / Warm White

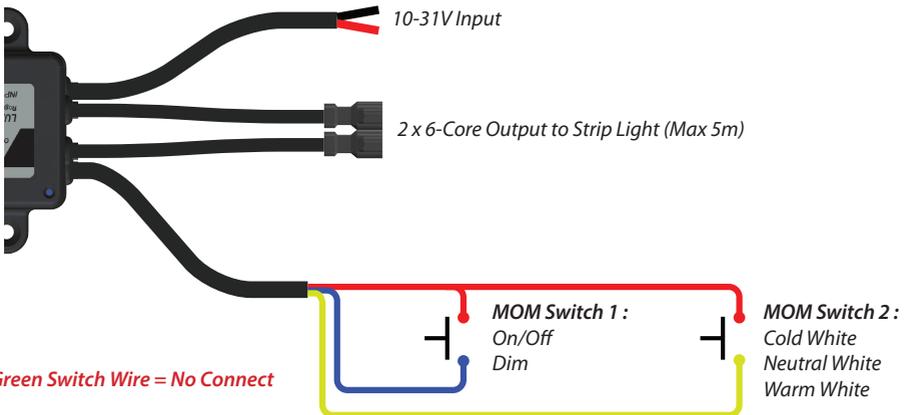
Option 2

- Switch 1 = On / Off (Hold to dim)
- Switch 2** = Cold white /Neutral White/Warm White/Red/Blue/Green/Magenta/Cyan

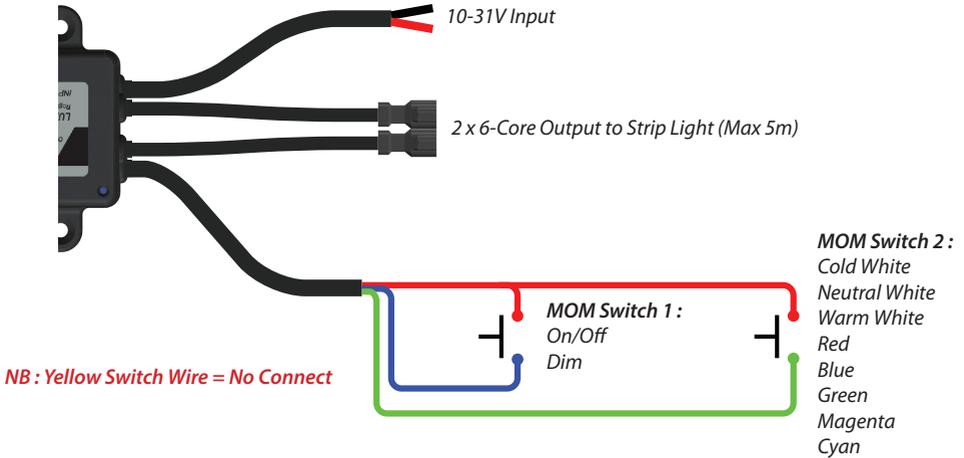
**Switch 2 is optional

The wiring diagram to connect the switches options above are shown on the following pages all unused switch wire inputs should be isolated.

Switch Wiring Diagram - On/off and Preset white colors

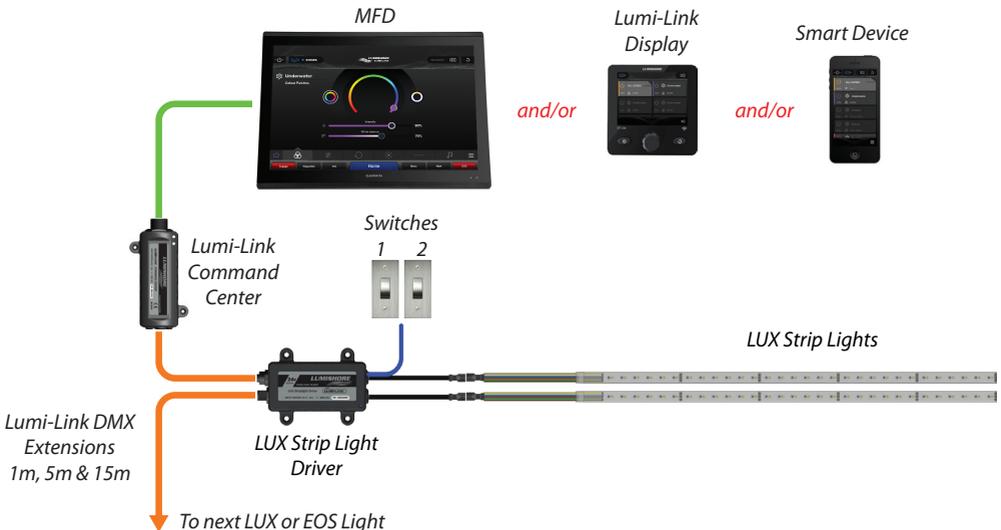


Switch Wiring Diagram - On/off, Preset white colors and RGB



Installation Diagram (Switch control and Lumi-link Command Center)

The LUX strip light driver can be used in conjunction with the Lumi-link Command Center and other Lumishore LUX or EOS lighting products to offer complete vessel lighting control from the vessels multifunction display, Lumi-Link Display or Smart device. Each LUX module can also be controlled from independent momentary switches mounted in the room or dash board. When pressed, the switch removes control from the Lumi-link command center and offers independent On/off control, dimming or preset color selection. To let the Lumi-link command center regain control the associate zone should be powered off and on again at the MFD, smart device or Lumi-Link display.



LUX SL/SNL Power Extension Cable (6 core between Driver and Strip Light)

The cable between strip light and driver can be extended using the premade 6 core extension cables.
Note: Multiple cable extensions can be joined together but the overall extension length should not exceed 15m.

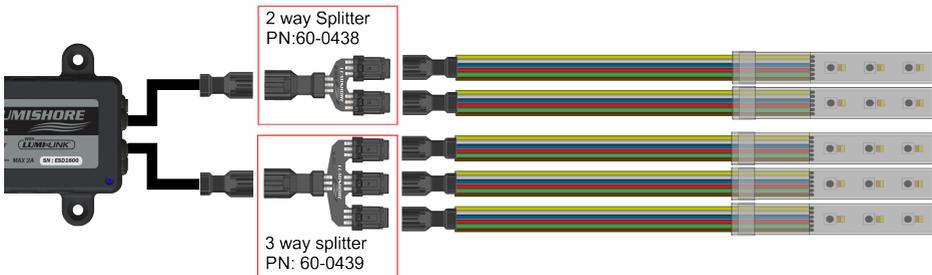
6-Core Extension Cables (Max 15m)



| Length | Part Number |
|---------------------------------------|-------------|
| LUX SL/SNL Power Extension Cable - 1m | 60-0385 |
| LUX SL/SNL Power Extension Cable - 2m | 60-0386 |
| LUX SL/SNL Power Extension Cable - 3m | 60-0387 |
| LUX SL/SNL Power Extension Cable - 4m | 60-0388 |
| LUX SL/SNL Power Extension Cable - 5m | 60-0389 |

Connecting more than 2 strip lights to The LUX strip light driver

Multiple Striplights can be connected to the striplight driver using Lumishore Lux 6 core 2 way or 3way splitters.



Status LED flash sequence



| LED Status | LED Description | Module Status |
|------------|---------------------|----------------------------------|
| | Solid On | Power OK |
| | Quick Blink | Data Received (Lumi-Link) |
| | Single Blink | Switch Input 1 Received |
| | Two Blinks | Switch Input 2 Received |
| | Three Blinks | Switch Input 3 Received |



Warranty

LUMISHORE Ltd warrants the LUX Strip Light Driver to be free from defects in workmanship and materials for a period of two years, starting from the date of original purchase. Misuse, abuse, improper installation, neglect, improper shipping, damage caused by disasters such as fire, flood, and lightning, installation by unqualified personnel, unauthorized repair or modification will void this warranty. For the avoidance of confusion and doubt, non-compliance with all installation, maintenance and operating instructions in this document constitute non-conformance with warranty terms.

The LUX Strip light Driver is designed to work with Lumishore LUX strip lighting products ONLY, do not use with other Strip light brands, this will invalidate the warranty.