

inspired LED

# 12V Flexible LED Strip Lights

Inspired LED's **12 Volt Ultra Bright Flexible Strip Lights** are a simple, cost-effective solution for everything from task lighting to accent lighting. Available in custom lengths or 12 meter reels, these unique strips can easily be cut and terminated with solderless end connectors for quick DIY installation. Energy efficient, long lasting, and dimmable with compatible systems, Inspired LED flex strips are the perfect option for any lighting application!

**Ultra Bright White** 



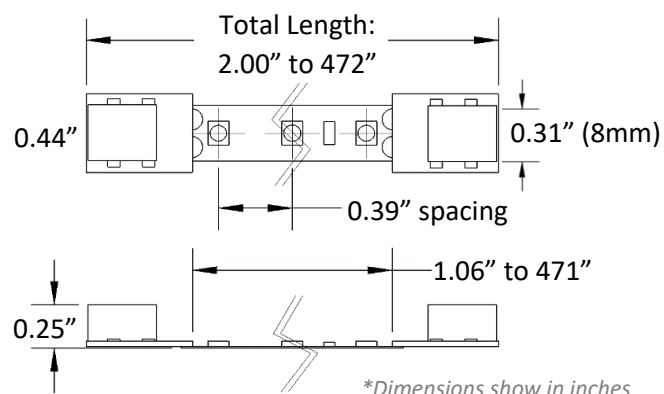
Warm White    Pure White    Cool White

| <b>Specifications:</b> | Voltage | LED Density            | Wattage    | Luminosity | Color Temp | CRI |
|------------------------|---------|------------------------|------------|------------|------------|-----|
| Warm White             | 12V     | 30 LEDs/ft., 99 LEDs/m | ~2.75W/ft. | 220 lm/ft. | 3000K      | 92  |
| Pure White             | 12V     | 30 LEDs/ft., 99 LEDs/m | ~2.75W/ft. | 235 lm/ft. | 4200K      | 93  |
| Cool White             | 12V     | 30 LEDs/ft., 99 LEDs/m | ~2.75W/ft. | 240 lm/ft. | 6000K      | 92  |

## Product Features:

- Size 2835 diodes , 0.39" between each LED
- 8mm flex, cut points available every 1.06" (3 LEDs)
- Available in custom pre-cut lengths or full 12m reels
- Class 2 DC plug-in connectors (3.5 x 1.3 mm) or screw terminal end connectors available
- Adhesive backing mounts to almost any flat surface
- Minimal heat production, no IR or UV output
- Dimmable with compatible systems
- Rated to last up to 100,000 hours
- CSA C22.2 No. 250.0-08/ANSI/ UL Standard 1598, 8750
- **To be installed in accordance with NEC, using Class 2 12V power supply only!**

## Product Dimensions:



## Power Requirements:

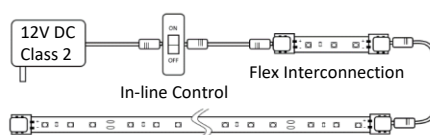
| Power Source     | Max Length    |
|------------------|---------------|
| 1 Amp (12 W)     | 48.5" (10.8W) |
| 2 Amp (24 W)     | 97.5" (21.6W) |
| 40W Transformer  | 162" (36W)    |
| 3.8 Amp (45.6 W) | 184.5" (41W)  |
| 5 Amp (60 W)     | 243" (54W)    |
| 60W Transformer  | 243" (54W)    |
| 100W Transformer | 405.5" (90W)  |
| 150W Transformer | 608" (135W)   |

*\*70% brightness at 152.5". Longer strips should be powered from center to avoid further voltage drop.*

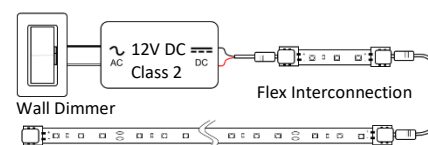
## Installation Instructions:

1. Clean desired mounting surface(s) and test all products prior to installation.
2. Temporarily mount LED flex strips using scotch or painters tape.
3. Connect LED strips with compatible interconnect cables or 16-22 AWG wire.
4. Run cable from LED system to control device and 12V Class 2 power source (see diagrams below for more detail).
5. Test lighting system. When satisfied with placement, peel adhesive backing from components and press firmly to adhere to surface.

### Plug-in System



### Hardwire System



inspiredled.com



orders@inspiredled.com



(480) 941-4286

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Inspired LED:](#)

[12V-UB-CW-12M](#)