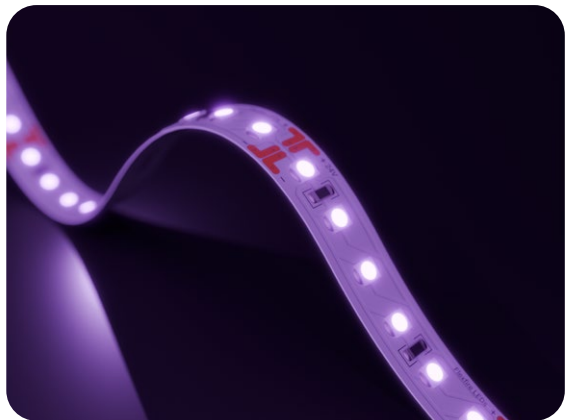


ColorBright™ Ultraviolet LED Strip Light

 **PRECAUTION:** Please read all instructions carefully before installation.

Our ColorBright™ Ultraviolet LED Strip Light delivers a compact glow that's 100% safe for the eyes. With a vibrant, purple-like hue, it's perfect for hidden accent lighting and decoration in homes, bars, entertainment venues, and clubs. It's also designed for UV-responsive uses, including glow-in-the-dark paint, germ detection, bill and equipment inspection, and creative hobbies like epoxy nails and rockhounding.



Product Features

| | |
|---------------------------------|-------------------------------|
| Color | Ultraviolet (Purple) |
| Voltage | 24V DC |
| Wattage | 3 W/ft (9.8 W/m) |
| Number of LEDs | 36 LEDs/ft (120 LEDs/m) |
| Beam Angle | 120° |
| LED Pitch | 1/4" (7 mm) |
| Strip Width | 3/8" (10 mm) |
| Cutting Points | 2" (50 mm) |
| Max Run Length in Series | 32 ft (10 m) |
| PCB | 4 oz Copper |
| LED Size | 3528 |
| Adhesive Type | 3M VHB 4930 |
| Ambient Temperature | -4°F to 113°F (-20°C to 45°C) |
| Operating Temperature | -4°F to 149°F (-20°C to 65°C) |
| Dimmable | Yes |
| IP Rating | IP20: Indoor, Dry Location |

15 Year
Warranty



Ordering Code

Series

-

Voltage

-

Length

UV

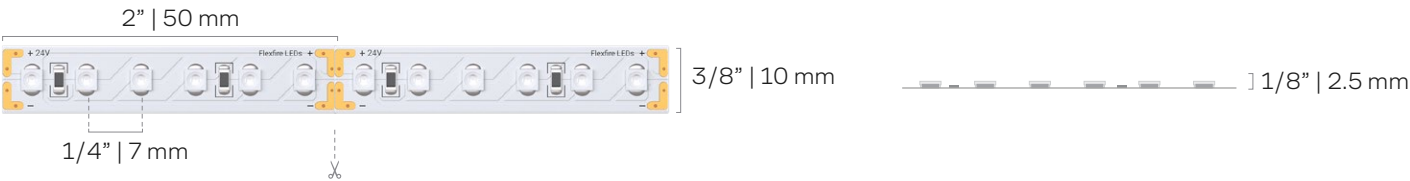
24V

16FT

Ultraviolet

Example: UV-24V-16FT

Dimensions



Product Specifications

| Product SKU | Color | Watts/Foot (Meter) | Lumens/Foot (Meter) | Luminous Efficacy | Color Wavelength |
|-------------|-------------------------|-----------------------|------------------------|----------------------|---------------------|
| UV | Ultraviolet (Purple) | 3 W/ft (9.8 W/m) | 3 lm/ft (8.3 lm/m) | 0.9 lm/W | 390-400 nm |

Complete Your Setup



✓ Drivers



✓ Controllers & Dimmers









✓ Connectors



✓ Extrusions

Compatible Drivers (24V)

| Non-dimmable | | | | | |
|---|---|------------------------------------|---------------------|-------|---------|
| Power Supply | Diagram | LED Strip Length | Product SKU | Watts | Class 2 |
| Plug-In Power Supply Plug-and-Play Power Supply |  | 1 - 6 ft | 24V-WMPS2-1 | 24W | X |
| | | 7 - 25 ft | 24V-DPS2-4 | 96W | X |
| Mean Well™ HLG Hardwired Power Supply |  | 1 - 18 ft | HLG-60H-24A | 60 W | X |
| | | 19 - 28 ft | HLG-100H-24A | 96 W | X |
| | | 29 - 55 ft | HLG-185H-24A | 185 W | |
| | | 56 - 96 ft | HLG-320H-24A | 320 W | |
| | | 97 - 180 ft | HLG-600H-24A | 600 W | |
| Mean Well™ LPV Hardwired Power Supply |  | 1 - 17 ft | LPV-60-24 | 60W | X |
| | | | | | |
| Dimmable | | | | | |
| Power Supply | Diagram | LED Strip Length | Product SKU | Watts | Class 2 |
| Zurik® EMLV Hardwired Power Supply |  | 1 - 9 ft | ZRK-EMLV2-30W-24VDC | 30W | X |
| | | 10 - 18 ft | ZRK-EMLV2-60W-24VDC | 60W | X |
| Zurik® Universal Hardwired Power Supply |  | 1 - 9 ft | ZRK-UNV-30W-24VDC | 30 W | X |
| | | 10 - 18 ft | ZRK-UNV-60W-24VDC | 60 W | X |
| | | 19 - 28 ft | ZRK-UNV-96W-24VDC | 96 W | X |
| | | 29 - 36 ft | ZRK-UNV-120W-24VDC | 120 W | |
| | | 37 - 60 ft | ZRK-UNV-200W-24VDC | 200 W | |
| | | 61 - 90 ft | ZRK-UNV-300W-24VDC | 300 W | |
| | | 1 - 112 ft (up to 28 ft/output) | ZRK-UNV-C384W-24VDC | 384W | X |
| Lutron® Hi-Lume™ Premier Hardwired Power Supply |  | 1 - 28 ft | L3D0-96W24V-U | 96W | X |
| | | Dimming Range: 0.1-100% | | | |

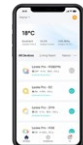
Controllers & Dimmers



Handheld Remotes



Wall Dimmers



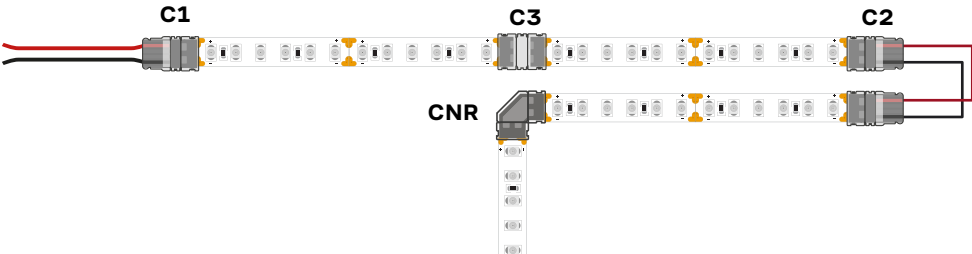
Smart Home Controllers

See Controllers and Dimmers

Compatible Strip Light Connectors

| Product SKU | Diagram | Description | Wire Gauge | Amperage Limit* |
|--------------------------------------|---------|--|------------|-----------------|
| GRIP-SC-C1-10-0 | | Connector with no wire to attach the strip to wire | 22 AWG | 5 Amps |
| GRIP-SC-C1-10-12 GRIP-SC-C1-10-36 | | Connector with 12" or 36" of wire to attach the strip to a power supply or low voltage control. | | |
| GRIP-SC-C2-10-06 | | Jumper connector with 6" of wire to attach two sections of strip together. Wire allows to go around tight corners. | | |
| GRIP-SC-C3-10-0 | | Jumper connector with no wire to attach sections of strip together in a continuous run. | - | |
| GRIP-SC-CNR-10-5 | | Corner connector for 90 degree turns. | | |

*Make sure no more than 5 amps are drawn after any solderless connector. Calculate max length of LED strip to follow the solderless connector based on an amperage draw of 0.13 A/ft (0.41 A/m) at 24 volts.



Strip Light Connectors Installation

1.

Peel off 1/4" of the 3M adhesive (both the tape and release paper) from the end of the strip that you want to connect. It must be removed to allow it to fit properly with the solderless connector.
2.



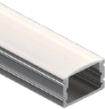

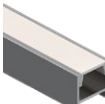



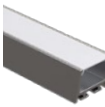



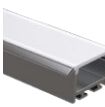

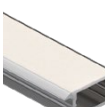

Check the polarity of the strip to match the positive (+) markings together and negative (-) markings together. If you accidentally close the connector before you're ready, use a small flathead screwdriver to pry the top back open.
3.

Open the top of the grip connector and insert the LED strip inside. Make sure the LED strip is facing up towards the translucent top and the solder pads are directly above the small hooks on the connector.
4.

Once everything is in order, use pliers to close and lock the connector. You'll hear a "click" sound when it is properly closed.

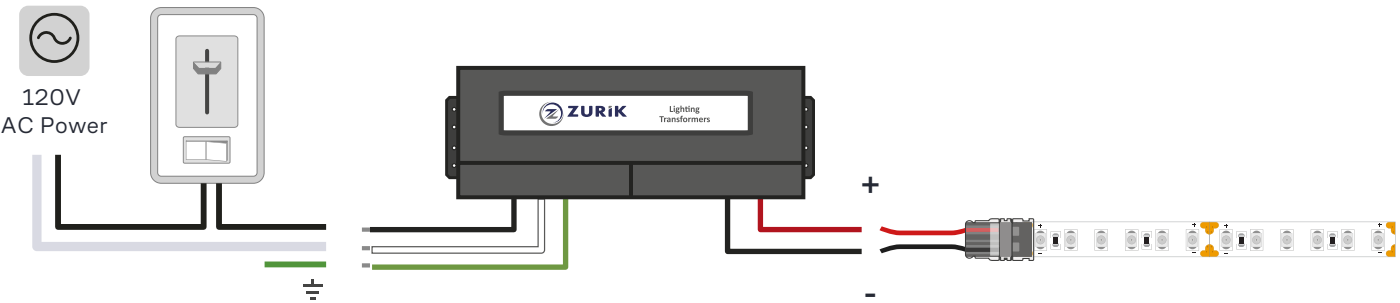
NOTE: Soldering is the preferred method. If you need further assistance, please download our Solderless Connector Installation Guide from our website.

Compatible Aluminum Channel Kits

| Diagram | Name | Type | Channel Kit Description | Kit SKU | Included |
|---|----------|---|--|---------------------|--|
|  | Ion™ |  Surface Mount | 1 Meter Ion Channel | ION-CH-A-1M | - |
|  | Gemini™ |  Surface Mount | 1 Meter Channel + Clear Cover Kit | GEM-CH-A-CVR-C-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 2 Meter Channel + Clear Cover Kit | GEM-CH-A-CVR-C-2M | |
| | | | 1 Meter Channel + Frosted Cover Kit | GEM-CH-A-CVR-F-1M | |
| | | | 2 Meter Channel + Frosted Cover Kit | GEM-CH-A-CVR-F-2M | |
| | | | 1 Meter Channel + Matte Cover Kit | GEM-CH-A-CVR-M-1M | |
| | | | 2 Meter Channel + Matte Cover Kit | GEM-CH-A-CVR-M-2M | |
|  | Kepler™ |  Surface Mount | 1 Meter Channel + Clear Cover Kit | KEP-CH-A-CVR-C-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 1 Meter Channel + Frosted Cover Kit | KEP-CH-A-CVR-F-1M | |
| | | | 1 Meter Channel + Matte Cover Kit | KEP-CH-A-CVR-M-1M | |
| | | | Note: Compatible only without connectors. | | |
|  | Laika™ |  Surface Mount | 1 Meter Channel + Clear Cover Kit | LAI-CH-A-CVR-C-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 1 Meter Channel + Frosted Cover Kit | LAI-CH-A-CVR-F-1M | |
| | | | 2 Meter Channel + Frosted Cover Kit | LAI-CH-A-CVR-F-2M | |
| | | | Note: Compatible only without connectors. | | |
|  | Titan™ |  Surface Mount | 1 Meter Channel + Clear Cover Kit | TTN-CH-A-CVR-C-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 1 Meter Channel + Frosted Cover Kit | TTN-CH-A-CVR-F-1M | |
| | | | 2 Meter Channel + Frosted Cover Kit | TTN-CH-A-CVR-F-2M | |
| | | | 1 Meter Channel + Matte Cover Kit | TTN-CH-A-CVR-M-1M | |
| | | | 2 Meter Channel + Matte Cover Kit | TTN-CH-A-CVR-M-2M | 6 Channel Connectors |
| | | | 1 Meter Channel + 10 Meter Frosted Cover Kit | TTN-CH-A-CVR-F-10MR | 10 Open End Caps 10 Closed End Caps 20 Mounting Clips 30 Channel Connectors |
| | | | 1 Meter Channel + 10 Meter Matte Cover Kit | TTN-CH-A-CVR-M-10MR | |
| | | | 1 Pendant Kit | TTN-PND-KIT | 2 Pendant Mounts with Screws |
|  | Atlas™ |  Angled Surface Mount | 1 Meter Channel + Clear Cover Kit | ATL-CH-A-CVR-C-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 1 Meter Channel + Frosted Cover Kit | ATL-CH-A-CVR-F-1M | |
| | | | 2 Meter Channel + Frosted Cover Kit | ATL-CH-A-CVR-F-2M | |
| | | | 1 Meter Channel + Matte Cover Kit | ATL-CH-A-CVR-M-1M | |
| | | | 2 Meter Channel + Matte Cover Kit | ATL-CH-A-CVR-M-2M | |
|  | Calypso™ |  Recessed | 1 Meter Channel + Frosted Cover Kit | CAL-CH-A-CVR-F-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 2 Meter Channel + Frosted Cover Kit | CAL-CH-A-CVR-F-2M | |
| | | | 1 Meter Channel + Matte Cover Kit | CAL-CH-A-CVR-M-1M | |
| | | | 2 Meter Channel + Matte Cover Kit | CAL-CH-A-CVR-M-2M | |
| | | | 1 Meter Channel + 10 Meter Frosted Cover Kit | CAL-CH-A-CVR-F-10MR | 10 Open End Caps 10 Closed End Caps 20 Mounting Clips 30 Channel Connectors |
| | | | 1 Meter Channel + 10 Meter Matte Cover Kit | CAL-CH-A-CVR-M-10MR | |
|  | Cassini™ |  Recessed | 1 Meter Channel + Clear Cover Kit | CAS-CH-A-CVR-C-1M | 2 Open End Caps 2 Closed End Caps 4 Mounting Clips |
| | | | 1 Meter Channel + Frosted Cover Kit | CAS-CH-A-CVR-F-1M | |
| | | | 2 Meter Channel + Frosted Cover Kit | CAS-CH-A-CVR-F-2M | |
| | | | 1 Meter Channel + Matte Cover Kit | CAS-CH-A-CVR-M-1M | |
| | | | 2 Meter Channel + Matte Cover Kit | CAS-CH-A-CVR-M-2M | |

Wiring Diagrams

Lutron Style Wall Dimmer



| Input | | |
|---------|---|-------------|
| ● Green | ⏏ | Ground Wire |
| ● Black | L | Line (hot) |
| ○ White | N | Neutral |

| Output | | |
|---------|---|----------|
| ● Red | + | Positive |
| ● Black | - | Negative |

In-Line Dimming



| Input | | |
|----------------|---|-------------|
| ● Green/Yellow | ⏏ | Ground Wire |
| ● Brown | L | Line (hot) |
| ● Blue | N | Neutral |

| Output | | |
|---------|---|----------|
| ● Red | + | Positive |
| ● Black | - | Negative |

Safety And Disclosures

- 01.** Installation must comply with local and national electrical codes. A qualified, licensed electrician should install your strips for safety and proper installation.
- 02.** To meet UL requirements, only install with a Class 2 DC Constant Voltage LED driver.
- 03.** Do not install in an environment where excessive heat may exist.
- 04.** LED strip lights must be handled with care. Excessive handling, bending, and pressure may damage the product, voiding the warranty.
- 05.** Do not secure this product with any kind of staples, nails, or materials that could potentially damage the product in any way. Keep these instructions for future reference.
- 06.** Do not cover this product with any kind of combustible material such as paper, fabrics, etc.
- 07.** Do not install with the majority of the product being unsupported. Allowing the product to be suspended or dangling while installing may cause damage to the PCB due to the weight of the strip.
- 08.** Do not install indoor LED tape light products in outdoor/wet location environments. Only use copper wiring. Use wires rated for at least 176°F (80°C) and certified for use with external connection of electrical equipment.
- 09.** Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.
- 10.** Make sure the appropriate gauge wire is installed between the driver, LEDs, and any dimmers. When choosing wire, calculate voltage drop, maximum amperage rating, and the location ratings on the wire. Improper wire selection and installation could overheat the wires and cause a fire.
- 11.** Do not modify the product beyond the instructions, or the warranty will be void.
- 12.** We reserve the right to modify and improve the design of our fixtures without prior notice. Although we try our best to order the same colors every time, we cannot guarantee that existing installed fixtures will match subsequent orders or replacements regarding product appearance, CCT, or lumen output due to changes in technology and phosphors over time.

Warranty Information

Limited Warranty


This product has a 15 year limited warranty from the date of shipment. This warranty only includes the main product outlined in this specification sheet and does not include the additional accessories that are used as a reference. Complete warranty details for fixtures and additional accessories are available at <https://www.flexfireleds.com/warranties/> within the Policies section. For warranty related questions please contact the product support team at support@flexfireleds.com.


Consumer's Acknowledgment

Flexfire LEDs, Inc. stands behind its products when they are used properly and according to our specifications. When you purchase our products, you are agreeing to the terms and conditions outlined in our warranty section. We try our best to make recommendations, but the burden of proper installation, design, and maintenance relies on the purchaser. This limited warranty does not include product failures that are the result of: Not using a voltage regulated power supply to connect the LED product or controls; Connecting LED products to the wrong output voltage; Improper connection of power supplies, LED products, or controls; Connecting LED products or controls directly to any AC power source if they are stated for DC only input; Connecting power supplies backwards to an AC power source; Products used in an inappropriate location or in environmental conditions (temperature, humidity, moisture, etc.) outside the normal specified range; Water damage to products not specifically sold as waterproof products; Electrical power surges and spikes; Damage from hail, flooding, tornado, fire, wind, earthquake, lightning, electrical storm, or any other natural disasters or "force majeure" incidences; Damage caused by a vehicle or other accident; Damage caused when transporting the item; Damage to any products that were modified by the user, used for purposes other than as intended or directed, or connected to LED systems or components not purchased from Flexfire LEDs; Products that have been subjected to misuse, mishandling, misapplication or accident. Products used in connection with any components, devices or systems other than those explicitly approved as compatible with Company's products and listed on Company's website. Excessive wear and tear and/or physical or accidental abuse, loss, or theft. Improper repairs or warranty services performed by someone other than Flexfire LEDs will void this warranty.



www.flexfireleds.com

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