

Lucid™ LED Neon

Side Bend Strip Light

Product Data Sheet



7 Year
Warranty



PRECAUTION:

Please read all instructions carefully before installation.

Our Lucid™ LED Neon Strip Lights are ideal for accent applications, signs, walls, landscape lighting, and areas where lighting is embedded into a surface. They emulate the effect of neon light, creating a continuous, lustrous line of light, offering many improvements over traditional neon lighting. Its silicone cover facilitates cleaning and protection against dust and low-pressure water jets.

Product Features

CCT	3000K / 5000K
CRI	83+
Voltage	24V DC Input
Brightness	Up to 155 lm/ft (510 lm/m)
Efficacy	Up to 56 lm/W
LEDs/Foot	36 LEDs/ft (120/meter)
Beam Angle	160° Beam Angle
Strip Width	~ 3/8" (10 mm at top, 9 mm at base)
Cutting Points	2" (50 mm)
Max Run Length in Series	32 ft (10 m)
LED Size	3014
Ambient Temperature	-4°F to 113°F (-20°C to 45°C)
Operating Temperature	-4°F to 167°F (-20°C to 75°C)
Dimmable	Yes
IP Rating	IP65

Ordering Code

Series

NEON

Neon Series

-

Type

S

Side Bend

-

CCT

30K - 3000K
50K - 5000K

-

Voltage

24V

-

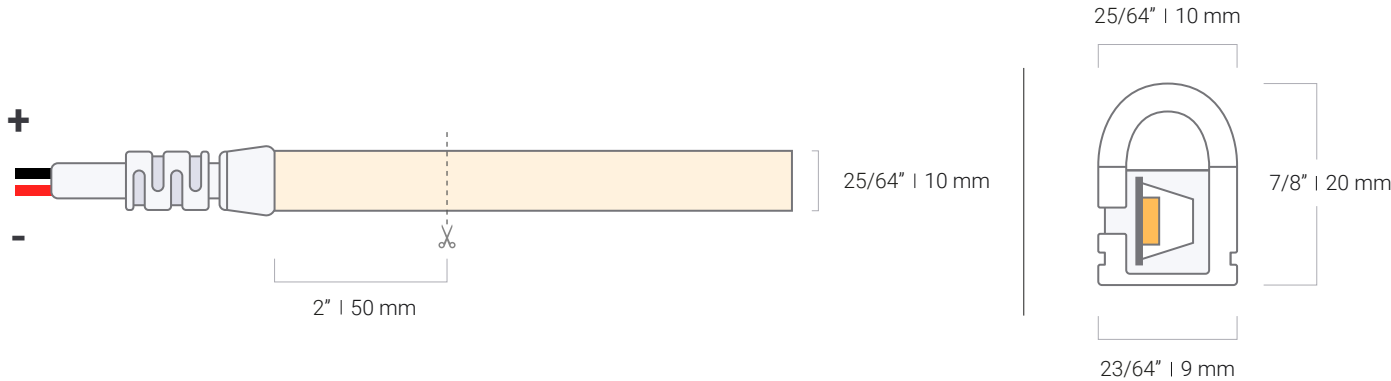
Length

32FT

32ft reel

Example: NEON-S-30K-24V-32FT

Dimensions



Product Specifications

Product SKU	Color* CCT	Watts/Foot (Meter)	Lumens/Foot (Meter)	Luminous Efficacy (Lumens/Watt)	CRI	Gamut Score (Rg)	Relative Fidelity Score (Rf)	TLCI	CQS
NEON-S-30K	3000K	2.7 W/ft (9 W/m)	144 lm/ft (473 lm/m)	52	83	94	86	75	85
NEON-S-50K	5000K	2.7 W/ft (9 W/m)	155 lm/ft (510 lm/m)	56	83	95	84	73	83

*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.

Complete Your Setup

✓ Drivers



✓ Controllers & Dimmers



✓ Connectors



✓ Mounting Method



Compatible Drivers

Non-dimmable

Power Supply	Diagram	LED Strip Length	Product SKU	Watts	Class 2
Plug-In Power Supply Plug-and-Play Power Supply		1 - 7 ft	24V-WMPS2-1	24 W	X
		8 - 28 ft	24V-DPS2-4	96 W	X
Mean Well™ HLG Hardwired Power Supply		1 - 20 ft	HLG-60H-24A	60 W	X
		21 - 32 ft	HLG-100H-24A	96 W	X
		33 - 61 ft	HLG-185H-24A	185 W	
		62 - 106 ft	HLG-320H-24A	320 W	
		107 - 200 ft	HLG-600H-24A	600 W	
Mean Well™ LPV Hardwired Power Supply		1 - 18 ft	LPV-60-24	60 W	X

Dimmable

Power Supply	Diagram	LED Strip Length	Product SKU	Watts	Class 2
Zurik® EMLV Hardwired Power Supply		1 - 10 ft	ZRK-EMLV2-30W-24VDC	30 W	X
		11 - 20 ft	ZRK-EMLV2-60W-24VDC	60 W	X
Zurik® Universal Hardwired Power Supply		1 - 10 ft	ZRK-UNV-30W-24VDC	30W	X
		11 - 20 ft	ZRK-UNV-60W-24VDC	60W	X
		21 - 32 ft	ZRK-UNV-96W-24VDC	96W	X
		33 - 40 ft	ZRK-UNV-120W-24VDC	120W	
		41 - 66 ft	ZRK-UNV-200W-24VDC	200W	
		67 - 100 ft	ZRK-UNV-300W-24VDC	300W	
		1 - 64 ft (up to 32 ft/output)	ZRK-UNV-C192W-24VDC	192W	X
		65 - 128 ft (up to 32 ft/output)	ZRK-UNV-C384W-24VDC	384W	X
Lutron® Hi-Lume™ Premier Hardwired Power Supply		1 - 32 ft	L3D0-96W24V-U	96W	X
		Dimming Range: 0.1-100%			

[See Power Supplies Selector](#)

Compatible Controllers & Dimmers

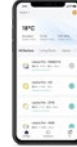
Handheld Remotes



Wall Dimmers










Smart Home Controllers



[See Controllers and Dimmers](#)

Compatible Connectors & Accessories

Product SKU	Diagram	Description
NEON-S-2-C-24E	Lucid™ LED Neon Power Connector Pair End Feed - 2FT	
NEON-S-2-C-24B	Lucid™ LED Neon Power Connector Pair Bottom Feed - 2FT	
NEON-S-2-J-12	Lucid™ LED Neon Side Bend Jumper Connector - 1FT	
NEON-S-2-J-96	Lucid™ LED Neon Side Bend Jumper Connector - 8FT	
NEON-S-MB	Lucid™ LED Neon Side Bend Mounting Brackets with Screws	
NEON-S-CH-R-1M	Lucid™ LED Neon Side Bend Aluminum Mounting Channel with Screws - 1 Meter	
NEON-S-CH-B-10M	Lucid™ LED Neon Side Bend Bendable Mounting Channel with Screws - 10 Meters	

Installation Instructions

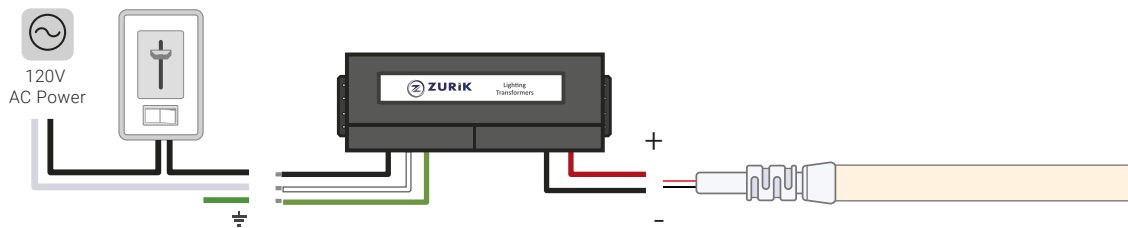
Please refer to the installation document for detailed instructions.

Wiring Diagrams

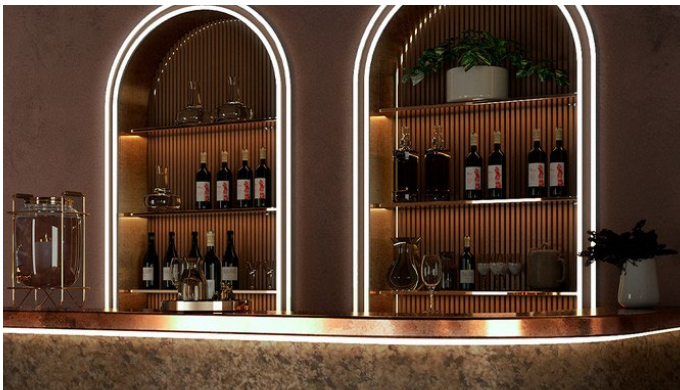
In-Line Dimming



120V Wall Dimmer



Application Examples



Safety and Disclosures

01. Installation must be in accordance with local and national electrical code regulations. To ensure safety and correct installation, our strips are intended to be installed by a qualified, licensed electrician.

02. Only install with a Class 2 DC Constant Voltage LED driver to meet UL requirements.

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 product with the majority of the product unsupported. Allowing the product to be suspended or dangling while installing may cause damage to the PCB due to the weight of the strip and/or spool.

08. Do not install within 5 feet of a swimming pool or spa.

09. Unless otherwise stated as appropriate, do not use the product in direct sunlight or in close proximity to caustic substances such as saltwater, chlorine, bromine, etc.

10. Each maximum run requires a dedicated power feed from the driver. Do not extend beyond the recommended maximum run length.

11. 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 wires, and cause fire.

12. Do not modify the product beyond instructions or warranty will be void.

13. 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, due to changes in technology and phosphors over time, we cannot guarantee to match existing installed fixtures for subsequent orders or replacements in regards to product appearance, CCT, or lumen output.

14. Do not power the LED Neon Strip Light while still attached to its spool.

Warranty Information

Limited Warranty

This product has a 7 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.



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FLEXFIRELEDs

www.flexfireleds.com