LuxeNEON-SD24CVXX-67XX

Description

The LuxeNeon is a high-performance flexible linear lighting solution designed for industrial, architectural, and residential use. Operating at 24V and available in 2700K, 3000K, 3500K, 4000K, and 5000K color temperatures, it delivers reliable, uniform illumination in a durable format. Its industrial-quality construction is both waterproof and UV resistant, while the flexible, cuttable design allows for easy customization to project requirements. The fixture is dimmable for precise lighting control, comes with mounting brackets for quick installation, and is certified to CE and RoHS standards for safety and performance assurance.

CE RoHS

PRODUCT PAGE

Product Specifications

Input Voltage	24V DC	Reel Length	16.4 ft / 5m | 32.8 ft / 10 m
Limiting Control Method	CC - Constant Current / CV - Constant Voltage	Max Run Length	32.8 ft / 10 m
Power Consumption	4.6 W/ft	Segment Width	1.97 in (50 mm)
LED Chip Type	High Quality SMD 5050 3-Diode	Luminous Flux Maintenance	50,000 hrs[2]
LED Density	19 LEDs/ft / 60 LEDs/m	Dimming	DMX PWM, RFPWM, 0-10V, MLV, DMX 512 Control
Board Type / Color	3 oz Density Copper, White PCB	Environmental	IP 67 - Dry and Damp Locations
Operation Temperature	-13°F to 122°F	Resistant Material	UV Resistant
Mounting	Bracket[1]	Cable Material	Waterproof Heatshrink
Beam Angle	120°	Warranty	2 Year Limited, 1 Year Outdoor
Custom Length Availability	Yes	Certifications	CE, RoHS

1 - It is recommended two brackets per meter (included).
2 - After 50,000 hrs: 30% Luminous Flux loss, 10% Chromaticity change, as per LM-80-15.

Product Photometrics

Nominal CCT (K)	Luminous Flux (lm/m)	CRI	Luminous Flux (lm/w)	Power (W/m)	Power Regulation
2700 K	491	90+	33	15	CV / CC
3000 K	478	90+	32	15	CV / CC
3500 K	534	90+	36	15	CV / CC
4000 K	542	90+	36	15	CV / CC
5000 K	531	90+	35	15	CV / CC

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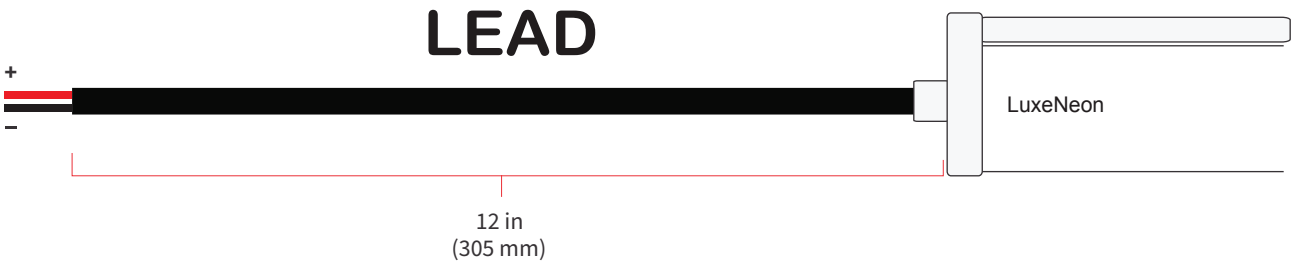
Ordering Guide

Type	Voltage	CCT / λ	IP	Length
LuxeNEON –	SD24CV	XX –	67	16
		27		32
		30		
		35		
		40		
		50		

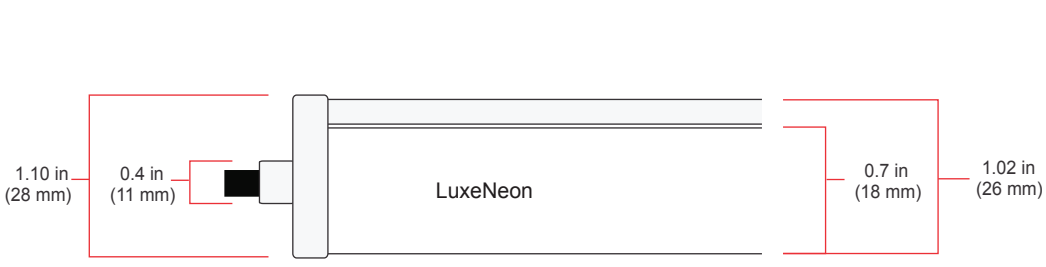
Product Country of Origin

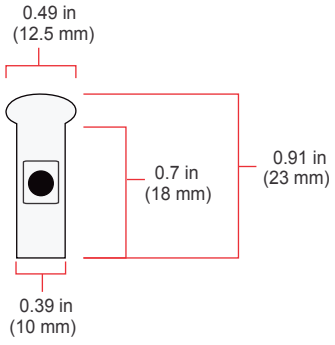
Product Engineering & Design	USA
Assembled	China Preassembled / USA Final Assembly
Quality Control	USA
Product Customization	USA
Technical Support	USA

Wiring Diagram



Mechanical Dimensions





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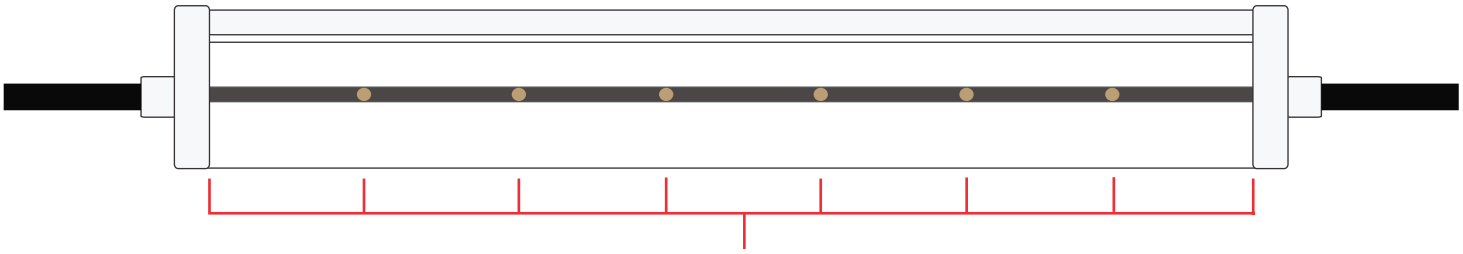
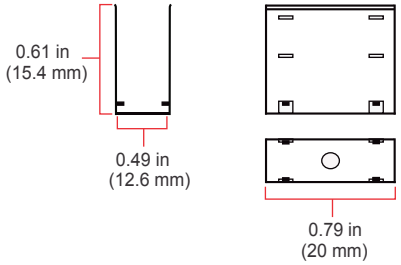
Cutting



Field cuttable every 50mm / 1.97 in

The LuxeNeon are cuttable represented where the solder joints are. Cuttable only by the manufacturer for customer length.

Bracket Details



About Us

SIRS-E® { semiconductor • illumination • research • solutions }
In 2004, SIRS-E® began researching the use of high-powered LED components for direct lighting fixtures and LED strips.

In 2005, SIRS-E® developed the RGB HPL01 – a 12-watt lighting fixture with an efficiency of 60 lumens per watt, controlled via DMX and using LumiLEDs, one of the first high-powered LEDs later acquired by Philips. Early research efforts included the development and testing of various LED strips designed for direct RGB lighting and effects applications. This marked the beginning of what we now know as SIRS Electronics.

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