DMX NEON 24V RGBW LED Strip

DMX-NEON-24RGBXX-6067

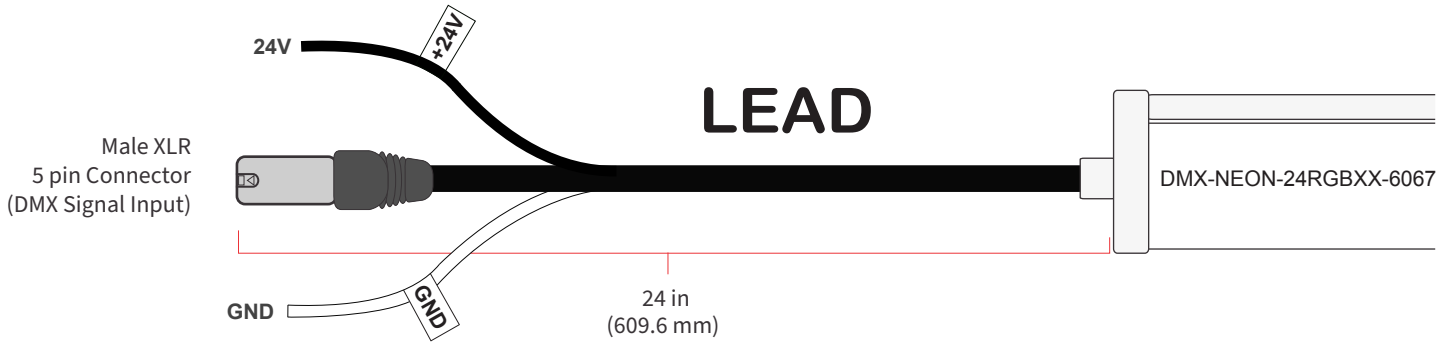
Description

The **SIRS-E® DMX NEON 24V RGBW LED** Strip is a high-performance lighting solution that delivers vibrant, full-spectrum color with exceptional energy efficiency. Engineered for both style and functionality, this RGBW LED strip combines red, green, blue, and true white LEDs to produce dynamic multicolor effects and clean white light, all with smooth dimming and consistent brightness. Its flexible design makes it ideal for a wide range of architectural and decorative lighting applications, including reception halls, corridors, entertainment venues, and modern interior spaces. With DMX control compatibility, it offers precise color tuning and customizable lighting scenes, making it a powerful choice for professionals seeking both creative freedom and reliability.

Product Specifications

Input Voltage	24V DC	Cut / Readdress	Cuttable at every pixel[1]
Control Method	DMX 512 Control - 1 Pixel every 6 LEDs	Reel Length	32.8 ft / 10 m
Power Consumption	5.9 W/ft 19.2 W/m	Max Run Length	32.8 ft / 10 m, powered from both sides
LED Chip Type	5050 High Quality SMD - 4-Diode RGBW	Segment Width	3.93 in (100 mm)
LED Density	19 LEDs/ft / 60 LEDs/m	Luminous Flux Maintenance	50,000 hrs[2]
Channels / Pixels	4 Channels Per Pixel (400 Chaneels Total)	Dimming	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[3]	Cable Material	Waterproof Heatshrink
Beam Angle	120°	Warranty	2 Year Limited, 1 Year Outdoor
Custom Length Availability	Yes	Certifications	CE, RoHS

Wiring Diagram



1 - The DMX NEON 24V RGB LED strips are cuttable every pixel. You need to cut at 3.93in (100mm), represented where the solder joints are. Cuttable only by the manufacturer for customer length.
2 - After 50,000 hrs: 30% Luminous Flux loss, 10% Chromaticity change, as per LM-80-15
3 - It is recommended two brackets per meter (included).

V05302025
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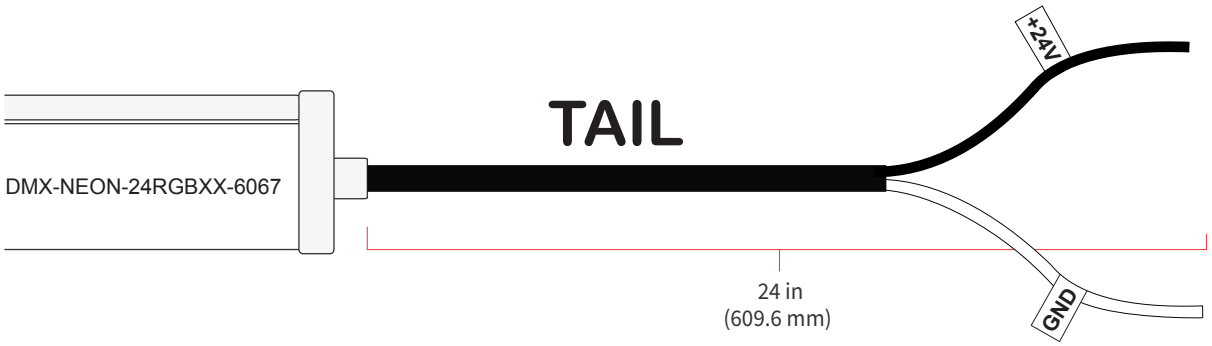
Ordering Guide

Type		Voltage	Color	CCT / λ		Density	IP
DMX	– NEON	– 24	RGB	XX	–	60	67

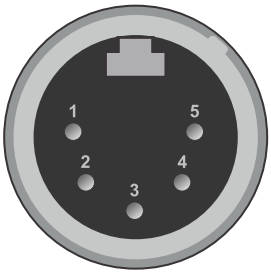
Product Country of Origin

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

Wiring Diagram



Color Code Male XLR 5 pin



(Front View)
XLR Male Cable

Color Code XLR

Pin 1 - V- / Ground
Pin 2 - B / DMX-
Pin 3 - A / DMX+
Pin 4 - NC
Pin 5 - NC

Color Code LED Strip

+5V
A
B
Ground
Ground

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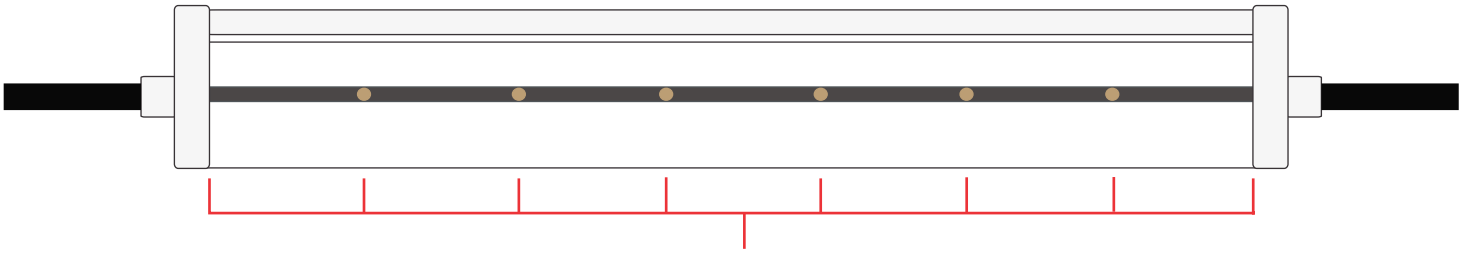
Mechanical Dimensions

Cutting



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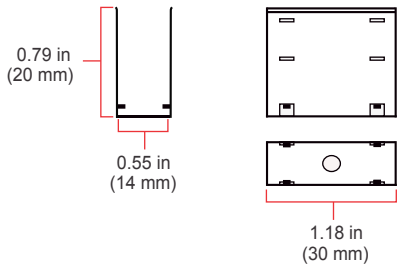
Bracket Details



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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