

Description

The SIRS-E® StripFlexLED™ RGB LED Strip is manufactured in Texas, USA and equipped with high-intensity LEDs that deliver consistent, uniformly bright illumination for a wide range of general-purpose and accent lighting applications. Its flexible design allows the strip to adapt easily to different surfaces, layouts, and room configurations, making it a versatile lighting solution for both residential and commercial projects.


With adjustable brightness and full RGB color control, StripFlexLED™ enables precise tuning of light output and ambiance, making it ideal for dynamic accent lighting, subtle color washes, or functional color illumination where reliability and visual quality matter.

For project-specific requirements, this LED strip is also available as a special-order/customized product with applicable MOQ requirements. Customizable length options and waterproof versions are available upon request, allowing the product to be tailored for indoor, outdoor, or moisture-prone applications.



PRODUCT PAGE

Product Specifications

Input Voltage	12 - 24V DC ¹	Cuttable Segments	0.98" (25mm) 1.96" (50mm)
Limiting Control Method	CV - Constant Voltage	LED Strip Length	16.4 ft (5m) - 100 ft (30m) ¹
Power Consumption	5.5 W/ft. ¹	Tape Width	.32" (8mm)
LED Type	2835	TM21 (LM80)	50,000 hrs
LED Density	120 LEDs/m 36 LED/ft.	Environmental	IP 40 (Indoor - Dry) / IP 67 (Water Resistant)
Board Type/Color	White	Connection Type	Hardwire
Beam Angle (Degree)	120°	Pre-Soldered Lead Wire	12" RGB
Operation Temperature	-20°F to 120°F	Country of Origin	USA Global Components
Mounting Method	Non-Porous 3M 5952 VHB	Warranty	5 Year
Color Rendering Index (CRI)	N/A	Certifications	RoHS  UL E479339

Product Photometrics - Red, Green and Blue Diodes

Color Diode	Peak Wavelength (nm)	Dominant Wavelength (nm)	CIE (x,y)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)
Red	628.5	621.5	(0.6940, 0.3052)	55.8	37.4
Green	517.0	523.5	(0.1528, 0.7224)	152.1	92.3
Blue	465.0	469.0	(0.1327, 0.0609)	43.8	29.1

Product Photometrics - All Three Colors at Full Intensity

Nominal CCT (K)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)	CIE (x,y)	Duv ₂	CRI	TM-30-15 Fidelity (Rf)	TM-30-15 Gamut (Rg)
21000 K	228.1	48.9	(0.229, 0.226)	+0.015	65	N/A	N/A

1 - Special order w/ MOQ

2 - Duv Chromaticity Consistency is throughout the run length. Typically below 1-step MacAdam Ellipse.

Ordering Guide

Series	Voltage	Control	IP Rating ⁴	Spool Length ft.	LED/m
SFL-RGB	12	CV	40	16	120
	24		67	100	

Product Country of Origin

Product Engineering & Design	USA
Assembled	USA
Quality Control	USA
Product Customization	USA
Technical Support	USA

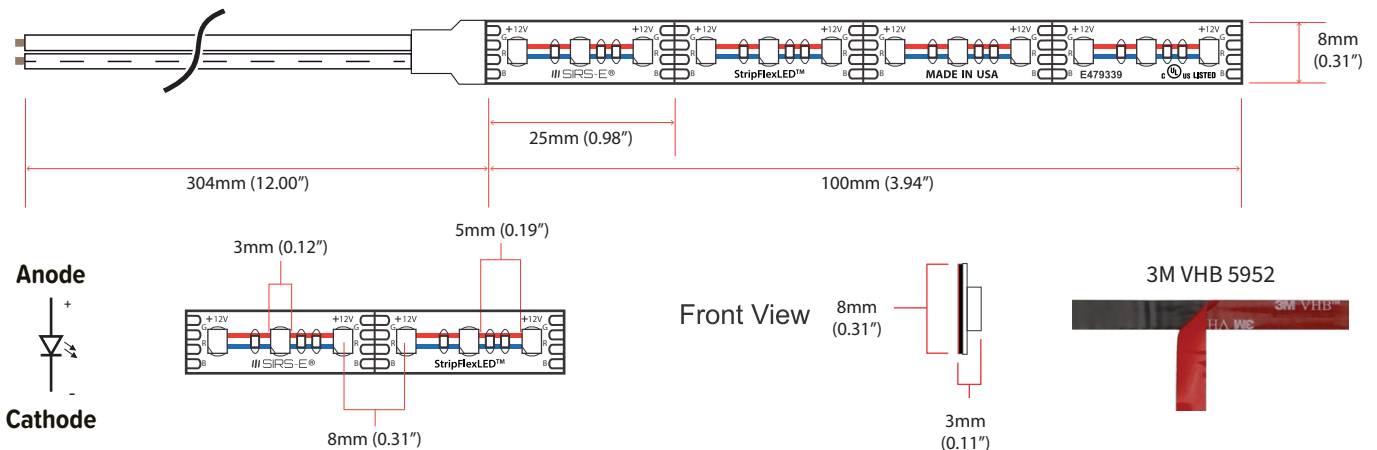
*Designed and manufactured in the USA using global LED chips and PCB boards.

Notes:⁴ IP - Varies on environment application, indoor or outdoor

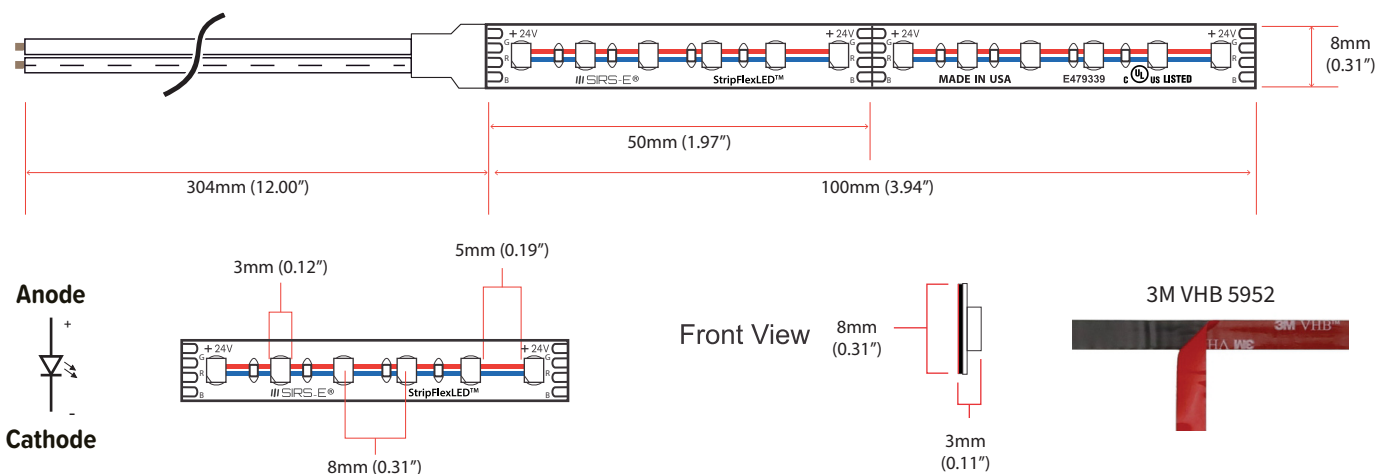
***BAA/BABA Compliance:** Made in the USA through domestic assembly using globally sourced PCB boards and LED chips. Final qualification for BAA/BABA is subject to an approved nonavailability exemption for these imported components (*as of March 2025, no domestically produced equivalents are available*).

Mechanical Dimensions 12V and 24V

12V Top View



24V Top View



Compatible Accessories

This list shows our most compatible accessories for this product. For the full selection, please visit our website at www.sirs-e.com.



MeanWell LED Power Supply
90 Watts 24 Volts 90-264VAC



SCAN OR CLICK QR CODE



LTech UB5 Touch Panel RGBWY DMX & Bluetooth Programmable Wall Mount LED Lighting Controller



SCAN OR CLICK QR CODE



Nicolaudie STICK-DE3 Wall Mount LED Lighting Controller



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RGBW 4 Channel High Power LED DMX Controller



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LTech UB4 RGBW Touch Panel DMX & Bluetooth Programmable Wall Mount LED Lighting Controller



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RGB / RGBW LED DMX RDM Decoder 5 Channels



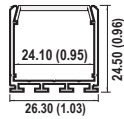
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Compatible LED Extrusions

SIRS-E® Mount Aluminum Extrusions for smooth, sleek mounting for the StripFlexLED™ RGB. Select an Extrusion that fits your LED strip, matches your space requirements and aesthetic preference.



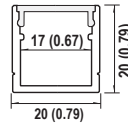
SIRS-E® SF-RS2403
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.00mm-Diffuser 2.10mm



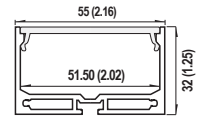
SIRS-E® SF-RS2020S
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.20mm-Diffuser 1.20mm



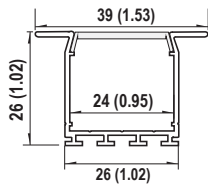
SIRS-E® SE-SP532
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.80mm-Diffuser 2.00mm



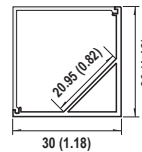
SIRS-E® SE-RS2404
Recessed Mount
Aluminum Extrusion



Thickness: Extrusion 1.05mm-Diffuser 1.05mm



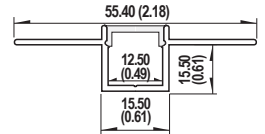
SIRS-E® CR-3030S
Corner Mount
Aluminum Extrusion



Thickness: Extrusion 1.20mm-Diffuser 1.30mm



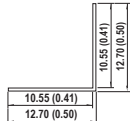
SIRS-E® SE-DW5615
Plaster-In Drywall
Mount Aluminum
Extrusion



Thickness: Extrusion 1.50mm-Diffuser 1.50mm



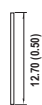
SIRS-E® SE-AB1212
Aluminum Angle Bar



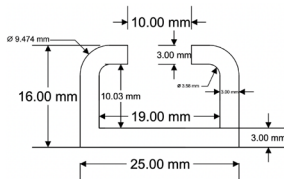
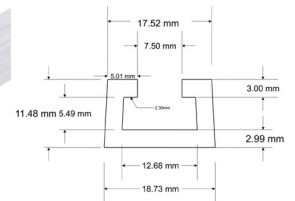
Thickness: Extrusion 1.59mm (1/16 in.)



SIRS-E® SE-FB12
Aluminum Flat Bar



Thickness: Extrusion 1.59mm (1/16 in.)



For our full selection of aluminum extrusions, please scan or click the QR code.