



### Description


The SIRS-E® StripFlexLED™ RGBW LED Strip is equipped with high-intensity LEDs that deliver consistent, uniformly bright illumination, making it well suited for a wide range of general-purpose and accent lighting applications. Its flexible design allows the strip to adapt easily to various surfaces, layouts, and room configurations, providing a versatile lighting solution for both residential and commercial spaces. With adjustable brightness and full RGBW color control, StripFlexLED™ enables precise tuning of light output and ambiance, making it ideal for creating dynamic accent lighting, subtle color washes, or functional white illumination where reliability and visual quality matter.



**RoHS**



### Product Specifications

<b>Input Voltage</b>	12 - 24V DC <sup>1</sup>	<b>Cuttable Segments</b>	1.96" (50mm)
<b>Limiting Control Method</b>	CV - Constant Voltage	<b>LED Strip Length</b>	16.4 ft (5m) - 100 ft (30m)
<b>Power Consumption</b>	6.1 W/ft.	<b>Tape Width</b>	.32" (8mm)
<b>LED Type</b>	4040	<b>TM21 (LM80)</b>	50,000 hrs
<b>LED Density</b>	120 LEDs/m 36 LED/ft.	<b>Environmental</b>	IP 40 (Indoor - Dry) / IP 67 (Water Resistant)
<b>Board Type/Color</b>	White	<b>Connection Type</b>	Hardwire
<b>Beam Angle (Degree)</b>	120°	<b>Pre-Soldered Lead Wire</b>	12" RGBW White
<b>Operation Temperature</b>	-20°F to 120°F	<b>Country of Origin</b>	USA Global Components
<b>Mounting Method</b>	Non-Porous 3M 5952 VHB	<b>Warranty</b>	5 Year
<b>Color Rendering Index (CRI)</b>	White Diode 95+	<b>Certifications</b>	<b>RoHS</b>  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	632	621.5	(0.6936, 0.3054)	59	29.3
Green	516.6	521.9	(0.1429, 0.7237)	160	86.2
Blue	462.2	466.4	(0.1379, 0.0515)	34	17.0

### Product Photometrics - White Diode Only

Nominal CCT (K)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)	CIE (x,y)	Duv <sub>2</sub>	CRI	TM-30-15	
						Fidelity (Rf)	Gamut (Rg)
2700 K	172	89.1	(0.4637, 0.4159)	+0.0012	82.3	84.3	93.7

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	CCT*	IP Rating <sup>4</sup>	Spool Length ft.	LED/m
<b>SFL-RGBW</b>	<b>24</b>	<b>CV</b>	<b>27</b>	<b>40</b>	<b>16</b>	<b>120</b>
			<b>30</b>	<b>67</b>	<b>100</b>	
			<b>40</b>			
			<b>55</b>			

### Product Country of Origin

Product Engineering & Design	USA
Assembled	<b>USA</b>
Quality Control	USA
Product Customization	USA
Technical Support	USA

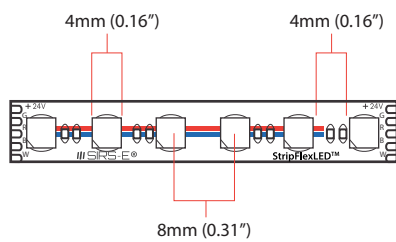
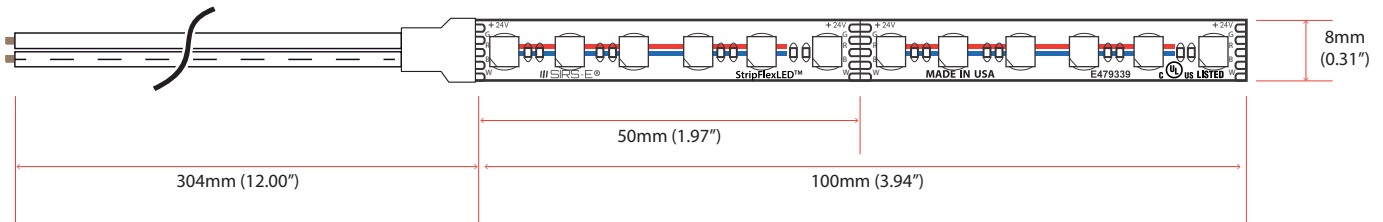
\*Designed and manufactured in the USA using global LED chips and PCB boards.

Notes:<sup>4</sup> IP - Varies on environment application, indoor or outdoor

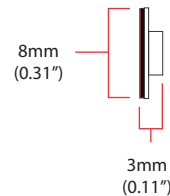
**\*BAA/BABA Compliance:** Made in the USA through domestic assembly using globally sourced PCB boards and LED chips. Final qualification for BAA/BABA is subject to an approved nonavailability exemption for these imported components (*as of March 2025, no domestically produced equivalents are available*).

### Mechanical Dimensions

Top View



Front 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](http://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



SCAN OR CLICK QR CODE



RGBW 4 Channel High Power LED DMX Controller



SCAN OR CLICK QR CODE



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



SCAN OR CLICK QR CODE

Compatible LED Extrusions

SIRS-E® Mount Aluminum Extrusions for smooth, sleek mounting for the StripFlexLED™ RGBW. 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




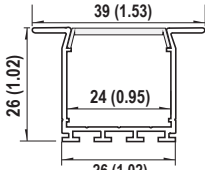

Thickness: Extrusion 1.20mm-Diffuser 1.20mm

SIRS-E® SE-SP532  
Surface Mount  
Aluminum Extrusion




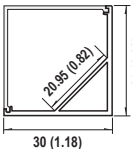

Thickness: Extrusion 1.80mm-Diffuser 2.00mm

SIRS-E® SE-RS2404  
Recessed Mount  
Aluminum Extrusion


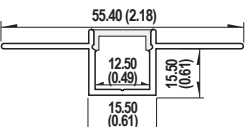
Thickness: Extrusion 1.05mm-Diffuser 1.05mm

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


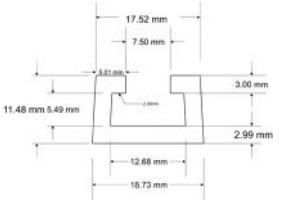

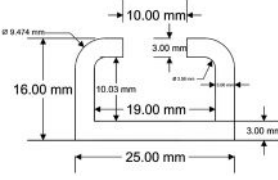



Thickness: Extrusion 1.59mm (1/16 in.)

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.