StripFlexLED™ CV Series
StripFlexLED-12CVXX-4032 Datasheet

StripFlexLED-12CVXX-4032

Customer Name	Project Name	Part Number

UL E479339

MADE IN USA

Description

The StripFlexLED™ 12 Volt White LED Strip Light Tape, UL Listed and proudly Made in the USA by SIRS-E®, is engineered for custom installations demanding high quality. This LED strip offers remarkable illumination with approximately 330 lumens per foot and a high Color Rendering Index (CRI) of about 95, ensuring accurate color representation in various applications. Ready for immediate use, it can also be cut to specific sizes for tailored lighting solutions. The set includes tape connectors for rejoining cut segments, ideal for extending the strip or navigating around obstacles. Suitable for a range of accent lighting needs such as cabinet, tray ceiling, or shelving lighting, it requires a SIRS-E®, or compatible 12V power supply and can be enhanced with an optional dimmer or switch.

Product Specifications

Input Voltage	12V DC	Cuttable Segments	1.96 in (50mm)
Limiting Control Method	CV - Constant Voltage	LED Strip Length	16.4 ft / 5m | 32.8 ft / 10m | 65.6 ft / 20m
Power Consumption:	3.0 W/ft / 9.7 W/m	Maximum Recommended Length	16.4 ft / 5m
LED Chip Type	SMD 2835	Segment Width	0.32 in (8mm)
LED Density	18 LEDs/ft / 60 LEDs/m	Luminous Flux Maintanace	75,000 hrs[1]
Board Type/Color	2 oz Density Copper, White PCB	Dimming	DMX PWM, RF PWM, 0-10V, Triac, MLV, ELV
Beam Angle (Degree)	120°	Environmental	IP 40 (Indoor - Dry) / IP 68 (Damp - Wet)
Operation Temperature	-20°F to 120°F	Connection Type	Hardwire
Mounting Method	300LSE 3M Adhesive	Pre-Soldered Lead Wire	3.28 ft. (1m)
Color Rendering Index (CRI)	±95	Country of Origin	USA
Light Output	~330 per ft. (~1000+ (lumens) per meter)*	Warranty	3 Year Limited
		Certifications:	UL E479339

Electrical Photometrics[2]

Nominal CCT (K)	Luminous Flux (lm/ft)	Luminous Efficacy (lm/W)	CIE (x,y)	Duv1	CRI	TM-30-15	
						Fidelity (Rf)	Gamut (Rg)
2700 K							
3000 K							
4000 K							
5000 K							
6500 K							

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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 solutions 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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