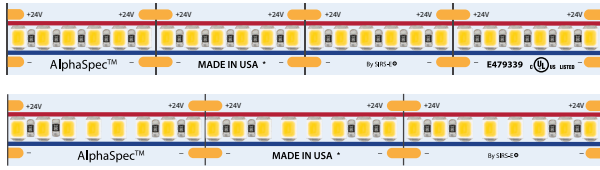


Spec Market White 240 LED/m LED Tape




RoHS

Description

Engineered, manufactured, and tested entirely in the USA, our LED tape light offers exceptional performance, reliability, and local support. Specifiers can confidently choose this high-quality solution for commercial or upscale residential projects, knowing it's backed by rigorous domestic standards. This premium design not only ensures superior lighting results but also supports a strong value proposition, allowing professionals to maintain healthy margins while delivering a top-tier illumination experience.

Product Specifications

Input Voltage	24V DC	Cuttible Segments	25mm (1.00"), 33mm (1.32")
Limiting Control Method	CV - Constant Voltage	LED Strip Length	16.4 - 100' Spool
Power Consumption	1 - 9 W/ft.	Tape Width	12mm (0.50")
LED Type	2835 ChromaSure [™]	TM21 (LM80)	50,000 hrs ¹
LED Density	240 LEDs/m	Dimming	17-24V / 22-24V
Board Type/Color	4 oz Density Copper, White PCB	Environmental	IP 40 (Indoor - Dry) / IP 67 (Water Resistant)
Beam Angle (Degree)	120°	Connection Type	Hardwire
Operation Temperature	-20°F to 120°F	Pre-Soldered Lead Wire	12" White Plenum
Mounting Method	Non-Porous 3M 5952 VHB	Country of Origin	USA Global Components
Color Rendering Index (CRI)	95 - 98 / R9 95-98	Warranty	7 Year
Color Quality Grade (CQG)	95 - 98 / TLCI 93-95	Certifications	RoHS  UL E479339

Electrical Photometrics²

		100 lm / ft	200 lm / ft	300 lm / ft	400 lm / ft	500 lm / ft	750 lm / ft	1000 lm / ft
2835 - SDCM (1-3) High Efficacy (H)	CCT 2200 - 6500 (AVG) +/- 10%	100	200	300	400	500	750	1000
	Power Consumption W/ft.	1.20	2.35	3.66	4.38	5.50	7.42	8.99
	Luminous Efficacy (lm/W)	83	85	82	91	91	101	111
	LED/Seg. (6) Max Run ft.	33	28	26	22	20	19	14
2835 - SDCM (1-3) Ultra Efficacy (U)	CCT 2200 - 6500 (AVG) +/- 10%	100	200	300	400	500	750	1000
	Power Consumption W/ft.	0.93	1.83	2.84	3.40	4.27	5.76	6.98
	Luminous Efficacy (lm/W)	107	109	105	118	117	130	143
	LED/Seg. (6) Max Run ft.	42	36	33	29	26	24	18
2835 - SDCM (1-3) High Efficacy (H)	CCT 2200 - 6500 (AVG) +/- 10%	100	200	300	400	500	750	1000
	Power Consumption W/ft.	0.90	1.76	2.74	3.28	4.12	5.55	6.72
	Luminous Efficacy (lm/W)	112	114	110	122	122	135	149
	LED/Seg. (8) Max Run ft.	44	37	34	30	26	25	19
2835 - SDCM (1-3) Ultra Efficacy (U)	CCT 2200 - 6500 (AVG) +/- 10%	100	200	300	400	500	750	1000
	Power Consumption W/ft.	0.70	1.38	2.14	2.56	3.22	4.34	5.25
	Luminous Efficacy (lm/W)	143	145	140	156	156	173	190
	LED/Seg. (8) Max Run ft.	56	48	44	38	34	32	24

1 - After 50,000 hrs: 20% Luminous Flux loss, 10% Chromaticity change, as per LM80-15.
 2 - Photometric values obtained from LM-79 report for 5W/ft strips.
 3 - Typical values shown. For precise data, see individual LM-79 reports.

Ordering Guide

ODM	LED/m	LED/segment	SDCM	LED Efficacy High/Ultra	CCT K	lm/ft	IP Rating ⁴	Length 16.4-100 ft Spool
S	240	6	3	H	22	100	40	16
		8	2	U	27	200	67⁵	100
			1		30	300		
					35	400		
					40	500		
					50	750		
					65	1000		

Product Country of Origin

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

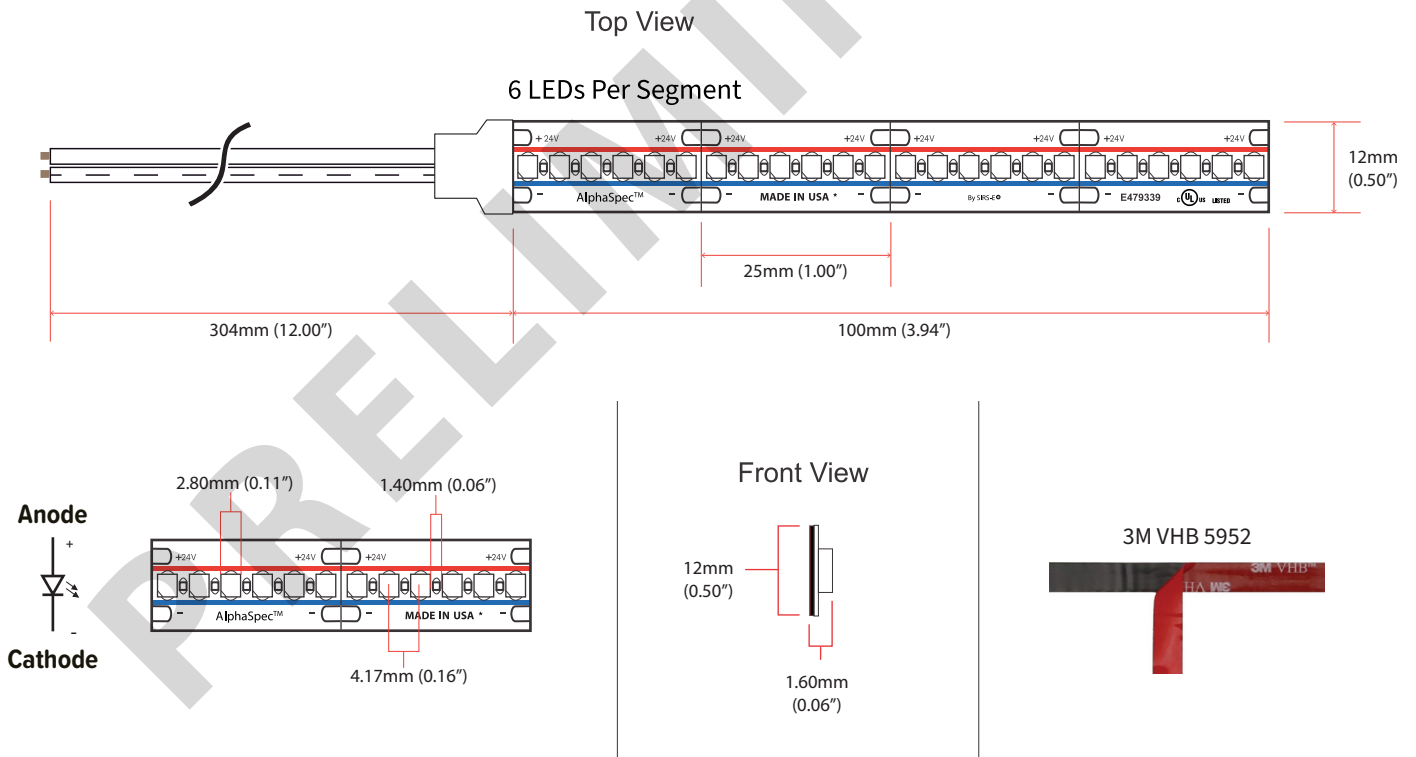
*Designed and manufactured in the USA using global LED chips and PCB boards.

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

⁵IP67 only on 16.4' (5m)

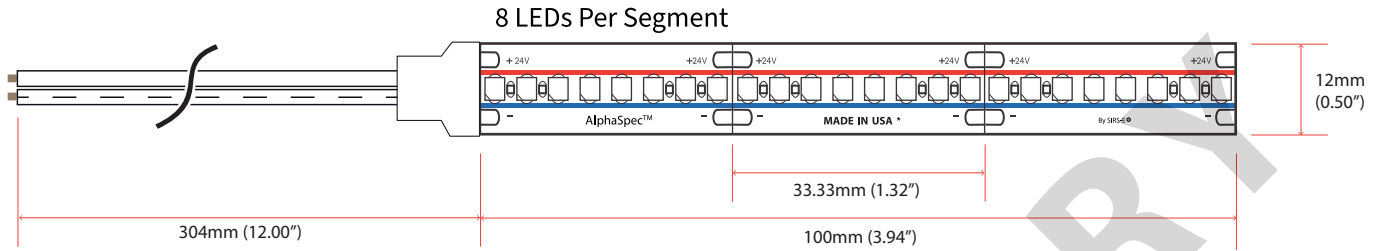
***BAA/BABA Compliance:** Made in the USA through domestic assembly using globally sourced PCB boards and LED chips. Final qualification for BAA/BABA is subject to an approved nonavailability exemption for these imported components (*as of March 2025, no domestically produced equivalents are available*).

Mechanical Dimensions for 6 LEDs per Segment

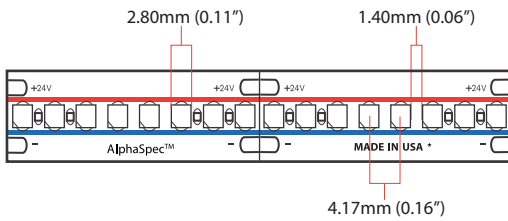


Mechanical Dimensions for 8 LEDs per Segment

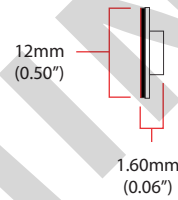
Top View



Anode
Cathode



Front View



PRELIMINARY

Accessories Compatible

This list shows our most compatible accessories for AlphaSpec™ product. For the full selection, please visit our website.



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



SCAN OR CLICK QR CODE



Magnitude 24V PSU



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 UB2 Tunable White (CCT) DMX Wall Mount with Bluetooth



SCAN OR CLICK QR CODE



RGB / RGBW LED DMX RDM Decoder 5 Channels



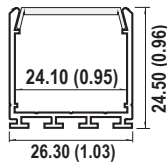
SCAN OR CLICK QR CODE

Compatible LED Aluminum Extrusions

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



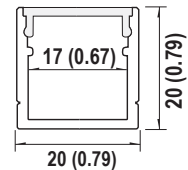
SIRS-E® SF-RS2403
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.00mm-Diffuser 2.10mm



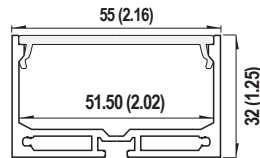
SIRS-E® SF-RS2020S
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.20mm-Diffuser 1.20mm



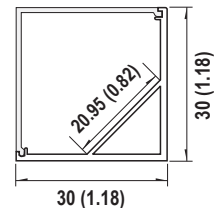
SIRS-E® SE-SP5532
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.80mm-Diffuser 2.00mm



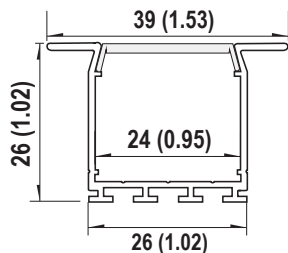
SIRS-E® CR-3030S
Corner Mount
Aluminum Extrusion



Thickness: Extrusion 1.20mm-Diffuser 1.30mm



SIRS-E® SE-RS2404
Recessed Mount
Aluminum Extrusion



Thickness: Extrusion 1.05mm-Diffuser 1.05mm

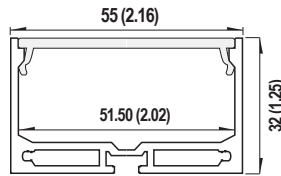
For our full selection of aluminum extrusions, please scan or click the QR code.



Compatible LED Aluminum Extrusions



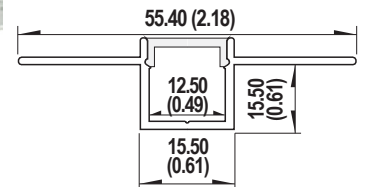
SIRS-E® SE-SP5532
Surface Mount
Aluminum Extrusion



Thickness: Extrusion 1.80mm-Diffuser 2.00mm



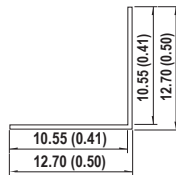
SIRS-E® SE-DW5615
Plaster-In Drywall
Mount Aluminum
Extrusion



Thickness: Extrusion 1.50mm-Diffuser 1.50mm



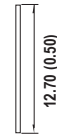
SIRS-E® SE-AB1212
Aluminum Angle Bar



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.

