superbrightleds.com

White LED Strip Lights

5050 SMD Strip Light Specifications

Project _____ Date _____

Notes _____

RA-IP20-80CRI-5m

Voltage 12 or 24 VDC Available | CRI 80+ | PWM Dimming | IP20 | Warranty Life Time

Available Models[1]

12 VDC

- ☐ STN-B-A30K80-A3A-10B5M-12V
- ☐ STN-B-A40K80-A3A-10B5M-12V
- ☐ STN-B-A50K80-A3A-10B5M-12V
- ☐ STN-B-A65K80-A3A-10B5M-12V

24 VDC

- ☐ STN-B-A30K80-A6A-10B5M-24V
- ☐ STN-B-A40K80-A6A-10B5M-24V
- ☐ STN-B-A50K80-A6A-10B5M-24V
- ☐ STN-B-A65K80-A6A-10B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STN-B-A30K80-A3A-10B5M-12V

Series	Strip Type	CCT	CRI	LED Type	LEDs/Segment	IP Rating	Width	Density	Length	Voltage
STN-B	**A**	**30K**	**80**	**A**	**3**	**A**	**10**	**B**	**5M**	**12V**
Non-weatherproof	**Single White**	**30K: 3000K 40K: 4000K 50K: 5000K 65K: 6500K**	**80+**	**5050 SMD**	**3: 3 LEDs/seg 6: 6 LEDs/seg**	**IP20**	**10mm**	**60 LEDs/m**	**5 meters**	**12V: 12 VDC 24V: 24 VDC**

Overview

This flexible LED strip light is the foundation of Super Bright LEDs' Radiant Series. It is long-lasting, efficient, and perfect for any indoor application. The peel-and-stick 3M™ adhesive backing enables fast, easy surface mounting, while the 80+ CRI offers natural, vibrant color tones. It is backed by a lifetime warranty.

Features

- 80+ CRI rating ensures vibrant, natural-looking color tones
- 3M™ adhesive backing for surface mounting
- 0-100% PWM dimmable

Product Details

- 5050 SMD LEDs for superior brightness
- 18 LEDs/ft
- Strip width: 10mm (0.39in.)
- Lifetime exceeds 50000 hours
- Max run (Class 2): 14.8ft (12V), 23ft (24V)
- Minimum cut length: 50mm (12V), 100mm (24V)

Certifications and Compliances

- UL Listed - UL 2108 (IFDR)
- CE Compliant

UL LISTED CE

Applications

- Ambient Home Lighting
- Cabinets
- Task Lighting
- Toe Kick Lighting
- Under-Cabinets

Warranty

- Lifetime warranty

T 866.811.5550 | **F** 314.972.6202
https://www.superbrightleds.com
email: commercial-sales@superbrightleds.com

[1]Contact customer service if interested in other options.

Rev. V1.1 Date: 12/10/2025

Specifications are subject to change without notice.

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SPECIFICATIONS		
Model	**STN-B-AxK80-A3A-10B5M-12V**	**STN-B-AxK80-A6A-10B5M-24V**
PHOTOMETRIC		
CCT	3000K, 4000K, 5000K or 6500K (as ordered)	
Lumens per Foot	398 lm/ft	
Efficacy	102 lm/W	
CRI	80+	
Beam Angle	120°	
ELECTRICAL		
Operating Voltage	12 VDC	24 VDC
Current Draw	5.3A	2.7A
Current Draw per Foot	323 mA/ft	165 mA/ft
Wattage	64 Watts	
Wattage per Foot	3.9 W/ft	
Dimmer Type	PWM	
MECHANICAL		
Max Run (Class 2)	14.8ft (4.5m)	23ft (7m)
Minimum Cut Length	50mm (1.97in.)	100mm (3.9in.)
LEDs per Segment	3	6
Length	16.4ft (5m)	
Strip Width	10mm (0.39in.)	
LED Density	18 LEDs/ft	
LED Type	5050 SMD	
LED Lifetime	50000 hours	
ENVIRONMENTAL		
IP Rating	IP20	
Environmental Rating	Suitable for Dry Locations, Non-weatherproof	
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)	

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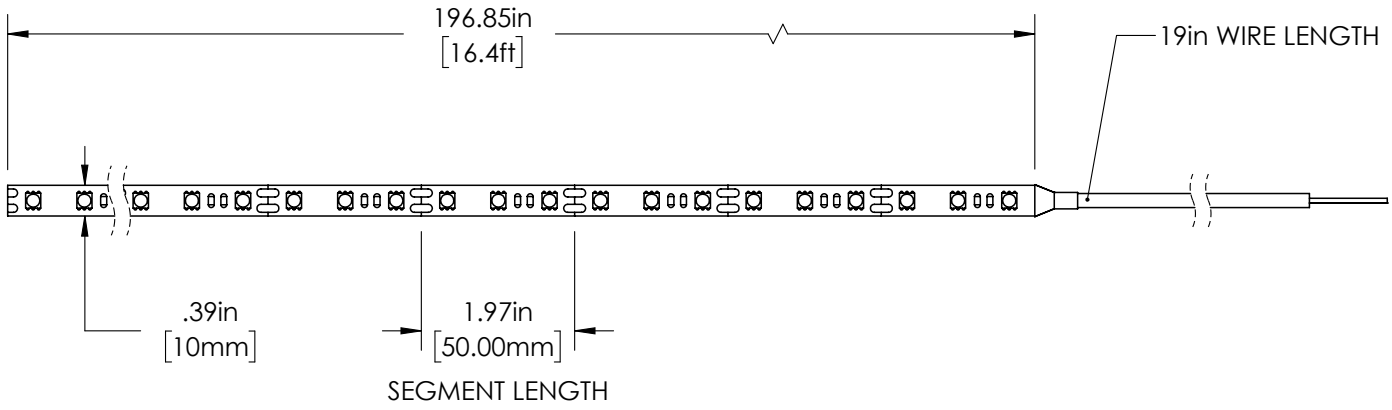
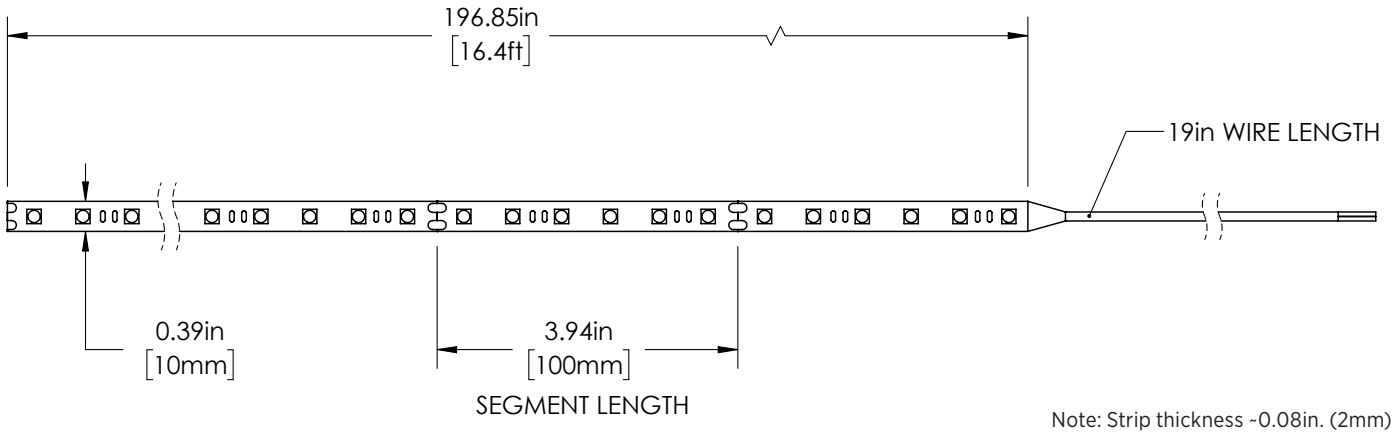
Dimensional Drawings

STN-B-AxK80-A3A-10B5M-12V

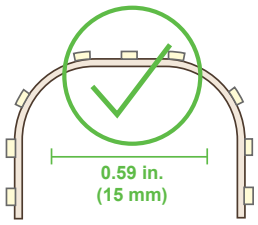


STN-B-AxK80-A6A-10B5M-24V



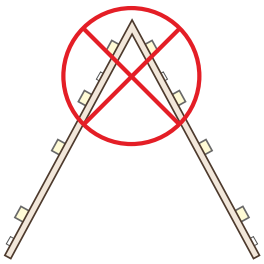
Note: Strip thickness ~0.08in. (2mm)

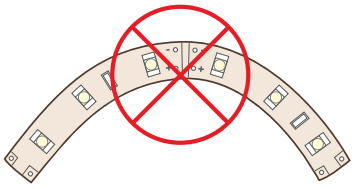
Strip Flexibility



Bends less than 15mm will damage circuit traces and void warranty.

Bending strips at sharp angles will damage circuit traces and void warranty.





Bending strips on horizontal plane will damage circuit traces and void warranty.

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