superbrightleds.com

Long Run LED Strip Lights

High CRI 2835 SMD LED Strip Light Specifications

Project _____ Date _____

Notes _____

Voltage 24 VDC | High CRI 90+ | PWM Dimming | IP20 | 5 yr WARRANTY

Available Models[1]

10 meter

- ☐ STN-B-A30K90-C8A-12E10M-24V
- ☐ STN-B-A40K90-C8A-12E10M-24V
- ☐ STN-B-A50K90-C8A-12E10M-24V

20 meter

- ☐ STN-B-A30K90-C8A-12E20M-24V
- ☐ STN-B-A40K90-C8A-12E20M-24V
- ☐ STN-B-A50K90-C8A-12E20M-24V

SAMPLE PART NUMBER BREAKDOWN **STN-B-A30K90-C8A-12E10M-24V**

Series	Strip Type	CCT	CRI	LED Type	LEDs/Segment	IP Rating	Width	LEDs/Meter	Length	Voltage
STN-B	A	30K	90	C	8	A	12	E	10M	24V
Indoor Only	Single White	30K: 3000K 40K: 4000K 50K: 5000K	90+	2835 SMD	8 LEDs/seg	IP20	12mm	128 LEDs	10M: 10 meters 20M: 20 meters	24 VDC

Overview

The Long Run LED Strip Light, from our Lux Series, delivers a long, continuous run of high-density SMD chips for extended indoor installations. The unique construction regulates the current to deliver a consistent, 20-meter max run with undetectable voltage drop. Available in 10m or 20m lengths, it supports a functional run up to 20m, and a Class 2 max run up to 14m. Each strip has 39 LEDs/ft and delivers up to 351 lm/ft for the entirety of the run. The high CRI provides accurate color rendering for retail and decorative applications.

Features

- Uniform light output for continuous runs up to 20m
- Constructed with high-output 2835 SMD LEDs
- Delivers up to 351 lm/ft with 39 LEDs/ft
- High 90+ CRI for accurate color rendering
- Dedicated cut points located every 62 mm (2.44 in.)

Product Details

- Max Run: 20 m (65.6 ft)
- Strip Width: 12 mm (0.47 in.)
- PWM Dimming
- Pigtail Connection
- 24 VDC input

Certifications and Compliances

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

UL LISTED CE

Applications

- Countertop Lighting
- Cove Lighting
- Display Cases
- Retail
- Task Lighting
- Toe Kick Lighting
- Under-Cabinets

Warranty

- 5-year 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. V1.0 Date: 09/12/2026
Specifications are subject to change without notice

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SPECIFICATIONS						
Model	**STN-B-AxK90-C8A-12E10M-24V**			**STN-B-AxK90-C8A-12E20M-24V**		
PHOTOMETRIC						
CCT	3000K	4000K	5000K	3000K	4000K	5000K
Lumens per Foot	328 lm/W	351 lm/W	338 lm/W	328 lm/W	351 lm/W	338 lm/W
Efficacy	168 lm/W	180 lm/W	173 lm/W	168 lm/W	180 lm/W	173 lm/W
CRI	90+					
Beam Angle	120°					
ELECTRICAL						
Wattage	64 Watts			128 Watts		
Current Draw	2.7 A			5.4 A		
Wattage per Foot	1.95 W/ft					
Current Draw per Foot	82 mA/ft					
Operating Voltage	24 VDC					
Dimmer Type	PWM					
MECHANICAL						
Length	32.8 ft (10 m)			65.6 ft (20 m)		
LED Density	39 LEDs/ft					
Max Run (Class 2)	45.9 ft (14 m)					
Minimum Cut Length	62.5 mm (2.46 in.)					
LEDs per Segment	8					
Strip Width	12 mm (0.47 in.)					
LED Type	2835 SMD					
LED Lifetime	50000 hours					
ENVIRONMENTAL						
IP Rating	IP20					
Environmental Rating	Suitable for Dry Locations, Indoor Only					
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)					

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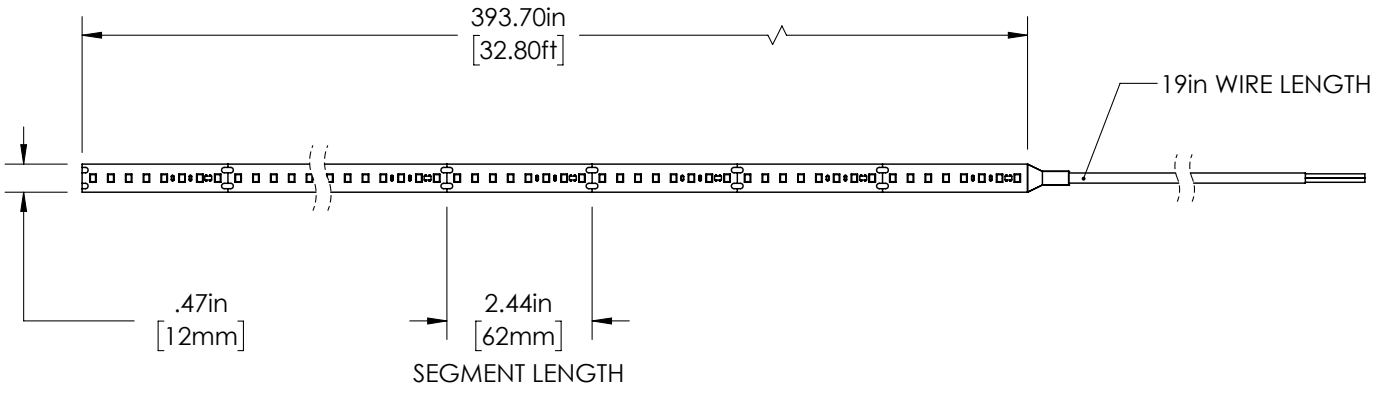
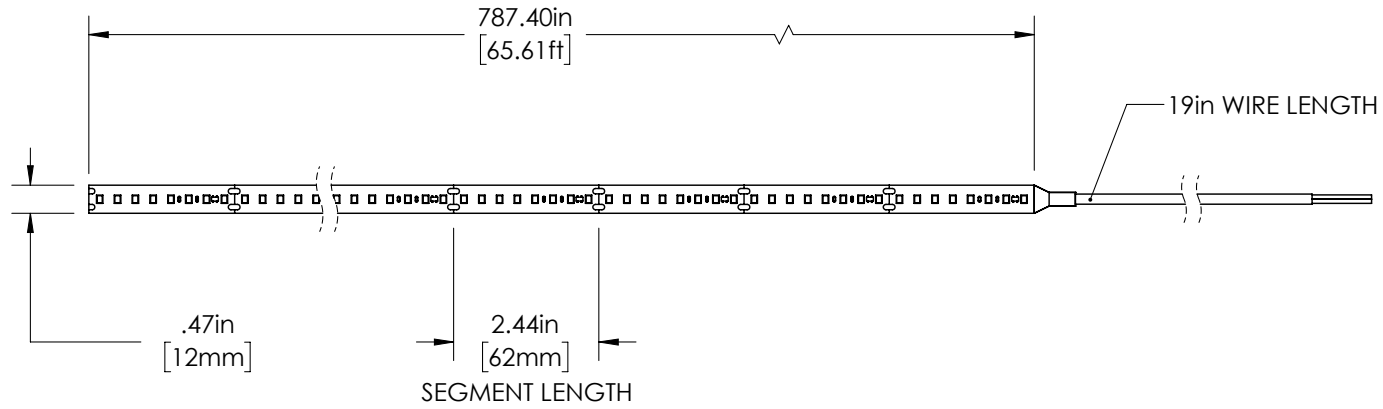
Dimensional Drawings

STN-B-AxK90-C8A-12E10M-24V

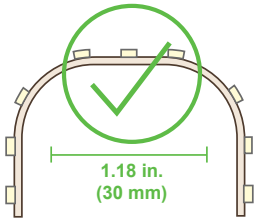


STN-B-AxK90-C8A-12E20M-24V



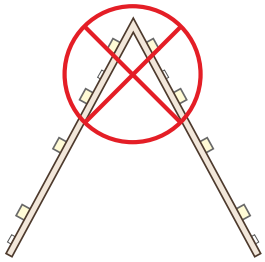
Note: strip thickness ~1.4 mm (0.06 in.)

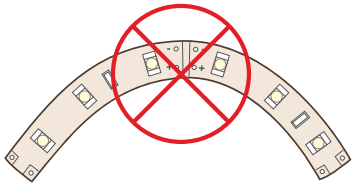
Strip Flexibility



Bends less than 30 mm 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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