superbrightleds.com

Single Color LED Strip Lights

3528 LED Strip Light Specifications

Project _____ Date _____

Notes _____

EC-IP20-Color-5m

Voltage
12 or 24 VDC Available

PWM Dimming

120° Beam Angle

IP20

Available Models[1]

12 VDC

- ☐ STN-B-BBLU-B3A-08B5M-12V
- ☐ STN-B-BGRE-B3A-08B5M-12V
- ☐ STN-B-BPUR-B3A-08B5M-12V
- ☐ STN-B-BRED-B3A-08B5M-12V
- ☐ STN-B-BAMB-B3A-08C5M-12V
- ☐ STN-B-BBLU-B3A-08C5M-12V
- ☐ STN-B-BGRE-B3A-08C5M-12V
- ☐ STN-B-BRED-B3A-08C5M-12V

24 VDC

- ☐ STN-B-BGRE-B6A-08B5M-24V
- ☐ STN-B-BAMB-B6A-08C5M-24V
- ☐ STN-B-BBLU-B6A-08C5M-24V
- ☐ STN-B-BGRE-B6A-08C5M-24V
- ☐ STN-B-BRED-B6A-08C5M-24V

SAMPLE PART NUMBER BREAKDOWN STN-B-BAMB-B3A-08B5M-12V

Series	Strip Type	CCT	LED Type	LEDs/Segment	IP Rating	Width	Density	Length	Voltage
STN-B	B	BLUE	B	3	A	08	B	5M	12V
Non-weatherproof	Single Color	AMB: Amber BLU: Blue GRE: Green PUR: Purple RED: Red	3528 SMD	3: 3 LEDs/seg 6: 6 LEDs/seg	IP20	8mm	B: 60 LEDs/m C: 120 LEDs/m	5 meters	12: 12 VDC 24: 24 VDC

Overview

The 5m LED strip light is a part of our Eco Series, designed for simple, everyday lighting applications. This indoor tape light produces saturated single-color output, available in several colors, and is a top choice for ambient and accent lighting. The 3528 SMD LED strip uses a maximum of 2.9 W/ft and is equipped with a durable 3M™ adhesive backing for simple installation.

Features

- Constructed with industry-standard 3528 SMD LEDs
- Choose a strip density of 18 or 36 LEDs/ft
- Cut points located at 1", 1.9", or 3.9" depending on strip

Product Details

- Class 2 Max Run: 5 m (12V) or 9 m (24V)
- Strip width: 8 mm (0.31 in.)
- 0-100% PWM dimmable
- 3M™ adhesive backing
- Pigtail Connection

Certifications and Compliances

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

UL LISTED CE

Applications

- Bars and Restaurants
- Countertop Lighting
- Cove Lighting
- 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: 09/03/2026
Specifications are subject to change without notice

superbrightleds.com

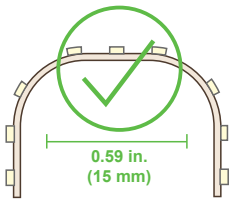
Single Color LED Strip Lights

3528 LED Strip Light Specifications

SPECIFICATIONS				
Model STN-B-	**Bx-B3A-08B5M-12V**	**Bx-B3A-08C5M-12V**	**BGRE-B6A-08B5M-24V**	**B-Bx-B6A-08C5M-24V**
PHOTOMETRIC				
Color[2]	Amber, Blue, Green, Purple, or Red			
Wavelength	600 nm, 470 nm, 520 nm, 405 nm, or 620 nm			
Beam Angle	120°			
ELECTRICAL				
Operating Voltage	12 VDC		24 VDC	
Current Draw	2 A	4 A	1 A	2 A
Current Draw per Foot	122 mA/ft	244 mA/ft	61 mA/ft	122 mA/ft
Wattage	24 Watts	48 Watts	24 Watts	48 Watts
Wattage per Foot	1.5 W/ft	2.9 W/ft	1.5 W/ft	2.9 W/ft
Dimmer Type	PWM			
MECHANICAL				
LED Density	18 LEDs/ft	36 LEDs/ft	18 LEDs/ft	36 LEDs/ft
Minimum Cut Length	50mm (1.97in.)	25mm (1.0in.)	100mm (3.9in.)	50mm (1.97in.)
Max Run (Class 2)	16.4 ft (5 m)		29.5ft (9m)	
LEDs per Segment	3		6	
Length	16.4ft (5m)			
Strip Width	8 mm (0.31 in.)			
LED Type	3528 SMD			
LED Lifetime	50000 hours			
Input Connection Type	Pigtail			
ENVIRONMENTAL				
IP Rating	IP20			
Environmental Rating	Suitable for Dry Locations			
Water Resistance	Indoor Only			
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)			

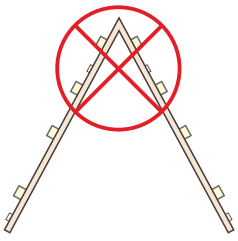
[2]Single color as ordered. Subject to availability.

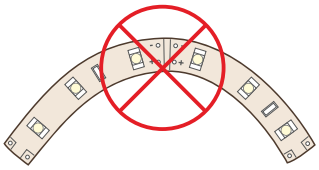
Strip Flexibility



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.

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

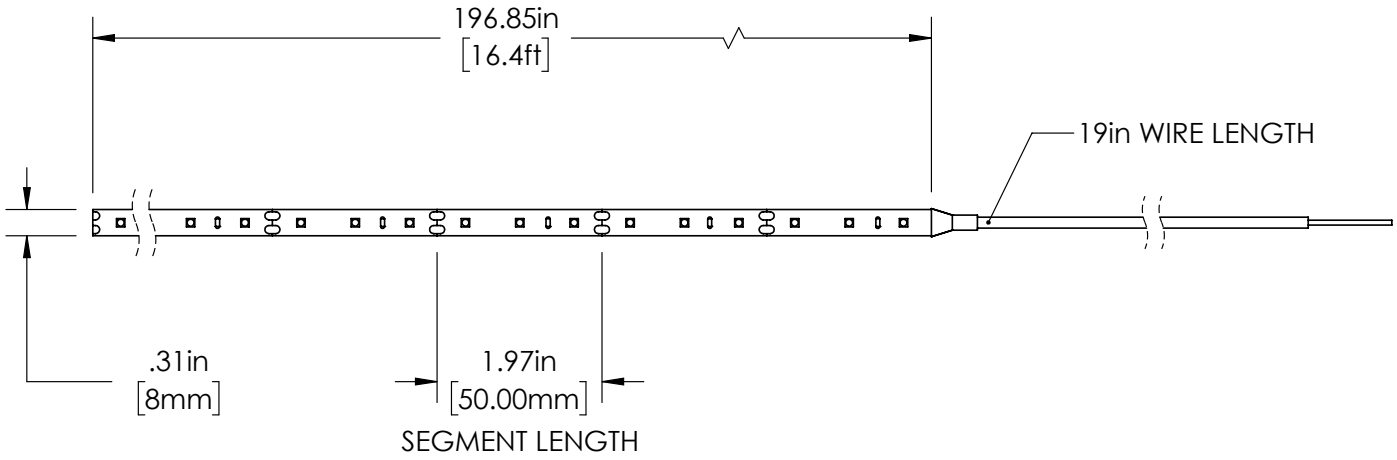
Rev. V1.1 Date: 09/03/2026
Specifications are subject to change without notice

Single Color LED Strip Lights

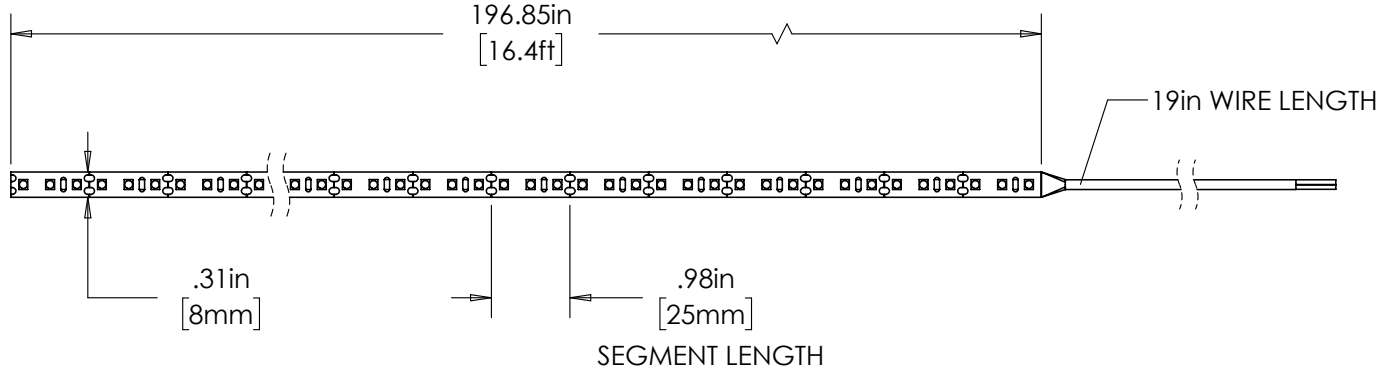
3528 LED Strip Light Specifications

Dimensional Drawings

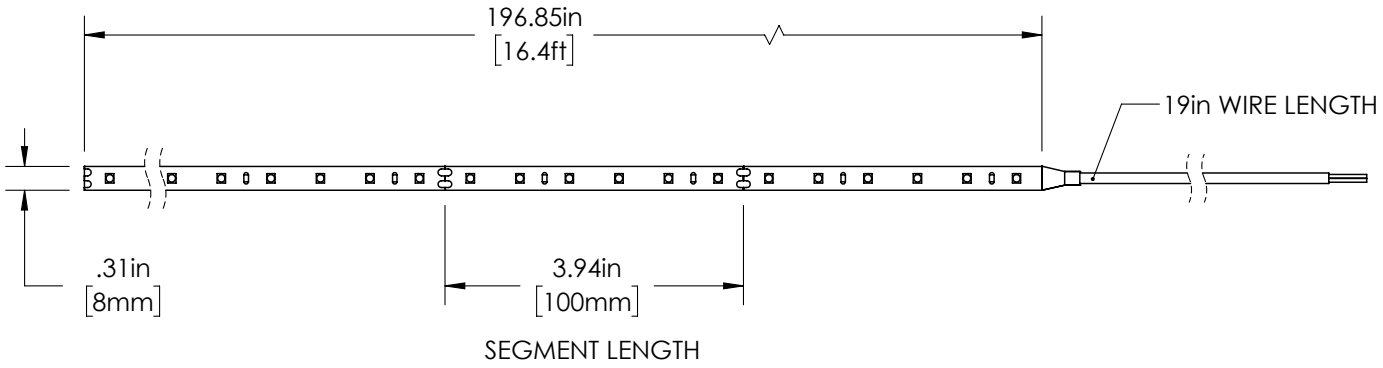
STN-B-Bx-B3A-08B5M-12V
&
STN-B-Bx-B6A-08C5M-24V



STN-B-Bx-B3A-08C5M-12V



STN-B-Bx-B6A-08B5M-24V



Note: Strip thickness ~0.09in (2.2mm)

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