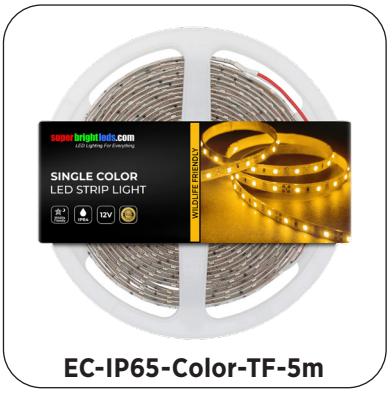
Wildlife-Friendly LED Strip Lights

Single-Color Amber LED Strip Specifications

Project _____

Date _____ Type _____



EC-IP65-Color-TF-5m

Voltage 12 or 24 VDC Available | Wildlife Friendly | 120° Beam Angle | IP65 | Warranty Lifetime Warranty

Available Models[1]

- ☐ STW-B-BYEL-B3C-08B5M-12V
- ☐ STW-B-BYEL-B6C-08B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STW-B-BYEL-B3C-08B5M-12V

Series	Strip Type	Color	LED Type	LEDs/Segment	IP Rating	Strip Width	Density	Length	Voltage
STW-B	B	YEL	B	3	C	08	B	5M	12V
Weatherproof	Single Color	YEL: 590nm Amber	3528 SMD	3: 3 LEDs/seg 6: 6 LEDs/seg	IP65	8mm	60 LEDs/m	5 meters	12V: 12 VDC 24V: 24 VDC

Overview

This wildlife-friendly, 590nm amber LED strip light combines visible nighttime illumination with minimal environmental impact. The longer 590nm wavelength helps prevent interference with the natural behaviors of diurnal (active during the day) and nocturnal animals including birds, insects, and reptiles such sea turtles. It is IP65-rated with an ultra-thin silicone coating that protects against ingress from water and debris. Peel-and-stick 3M™ adhesive backing for fast, easy surface mounting. Optional controller allows 0-100% PWM dimming.

Features

- Wildlife-friendly 590nm amber light output
- Abrasion-resistant protective silicone coating
- Cuttable design for easy length customization
- Cut points: 1.9 in. (12V) and 3.9 in. (24V)
- IP65-rated | resists dust and splashing water

Product Details

- Class 2 Max run: 11m (12V); 18m (24V)
- 590nm Amber LEDs
- 0-100% PWM Dimmable
- Strip Width: 8mm

Certifications and Compliances

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

UL LISTED CE

Applications

- Beachfront Properties
- Boardwalks
- Parks
- Pathways
- Piers
- Walkways

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 V2.1 Date: 07/17/2026
Specifications are subject to change without notice

Wildlife-Friendly LED Strip Lights

Single-Color Amber LED Strip Specifications

SPECIFICATIONS		
Model	**STW-B-BYEL-B3C-08B5M-12V**	**STW-B-BYEL-B6C-08B5M-24V**
PHOTOMETRIC		
LED Color	Amber	
Wavelength	590 nm	
Lumens Per Foot	39 lm/ft	
Beam Angle	120°	
ELECTRICAL		
Operating Voltage	12 VDC	24 VDC
Current Draw	2A	1A
Current Draw per Foot	122 mA/ft	61 mA/ft
Wattage	24 Watts	
Wattage per Foot	1.5 W/ft	
Dimmer Type	PWM	
MECHANICAL		
Max Run (Class 2)	36.1 ft (11 m)	59 ft (18 m)
Minimum Cut Length	50mm (1.97in)	100mm (3.9in)
LEDs per Segment	3	6
LED Density	18 LEDS/ft	
Strip Width	8mm (0.31in.)	
Length	16.4ft (5m)	
Input Connection Type	Pigtail	
Wire Gauge	22 AWG	
LED Type	3528 SMD	
LED Lifetime	50000 hours	
ENVIRONMENTAL		
IP Rating	IP65	
Environmental Rating	Suitable for Damp Locations, Water-Resistant	
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)	

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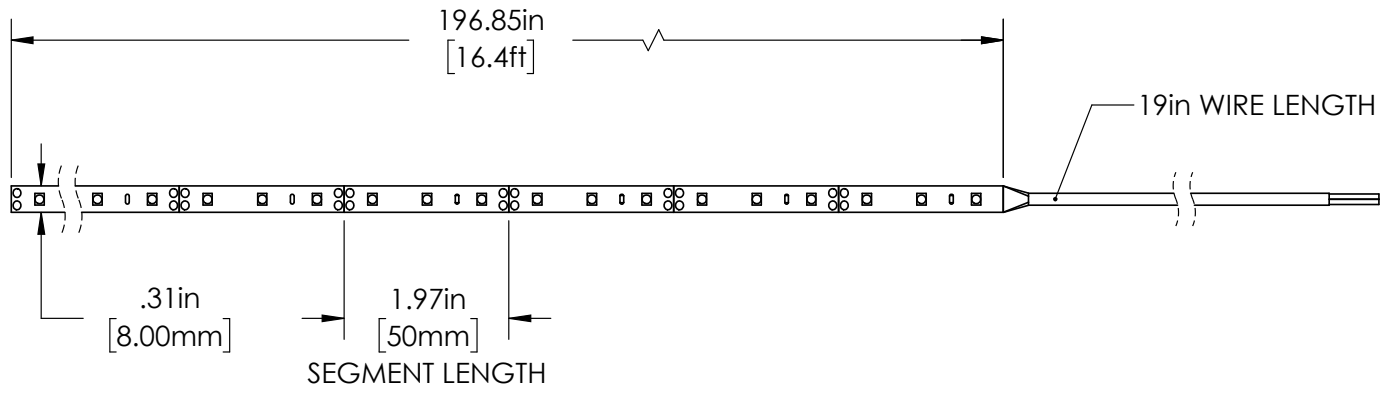
Wildlife-Friendly LED Strip Lights

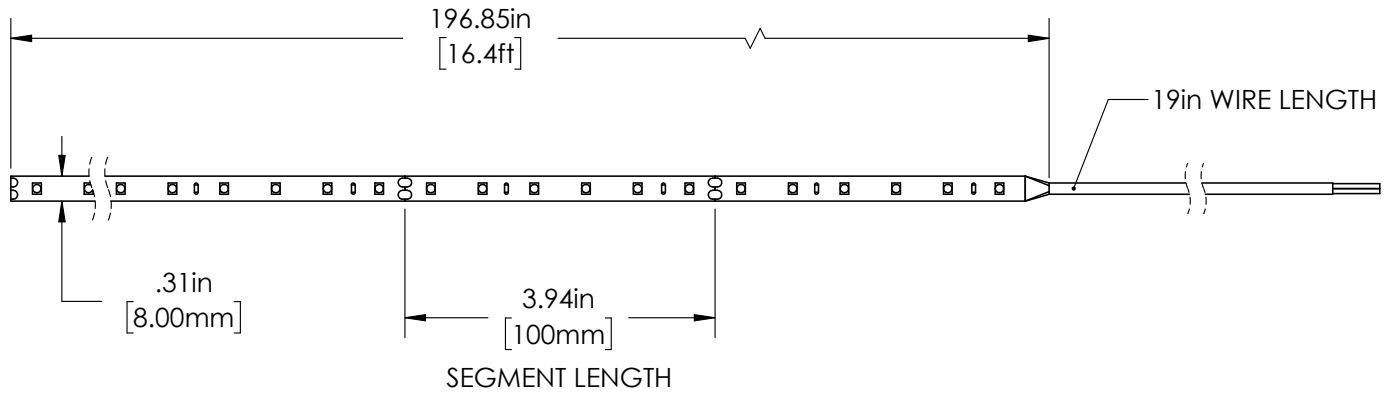
Single-Color Amber LED Strip Specifications

Dimensional Drawings

STW-B-BYEL-B3C-08B5M-12V

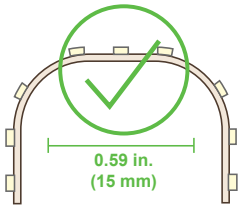


STW-B-BYEL-B6C-08B5M-24V



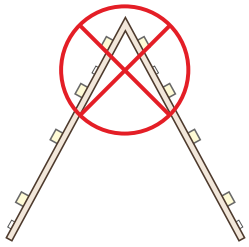
Note: Strip Thickness ~0.12in. (3mm)

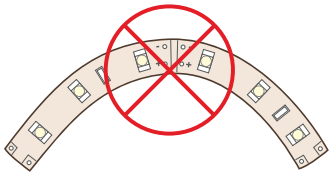
Strip Flexibility



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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