superbrightleds.com

Wildlife-Friendly LED Strip Lights

590nm Amber Light Strip Specifications

Project _____

Date _____ Notes _____

HL-IP67-Color-TF-5m

Voltage 12 or 24 VDC Available | Wildlife Friendly | PWM Dimming | IP67 | Warranty Lifetime Warranty

Available Models[1]

- ☐ STW-B-BYEL-C3F-10B5M-12V
- ☐ STW-B-BYEL-C6F-10B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STW-BYEL-C3F-10B5M-12V

Series	Strip Type	Color	LED Type	LEDs/Segment	IP Rating	Width	Density	Length	Voltage
STW-B	B	YEL	C	3	F	10	B	5M	12V
Weatherproof	Single Color	590nm amber	2835 SMD	3: 3 LEDs/seg 6: 6 LEDs/seg	IP67	10mm	60 LEDs/m	5 meters	12: 12 VDC 24: 24 VDC

Overview

This single-color, wildlife-friendly 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 as sea turtles. It features an IP67 rating and a protective heavy-duty silicone coating that guards against UV and abrasion. For outdoor use, see our selection of IP67-rated waterproof connectors. The peel-and-stick 3M™ adhesive backing enables fast and easy mounting to various surfaces.

Features

- Wildlife-friendly 590nm amber light output
- Protects natural behavior of diurnal and nocturnal species
- IP67, protected against dust and temporary submersion
- Silicone coating resists abrasion and harsh conditions
- Cuttable design to fit custom lengths

Product Details

- 12V or 24V input options available
- Class 2 Max Run: 4.5 m (12V); 7.5 m (24V)
- 0-100% PWM Dimmable
- Strip Width: 12 mm

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. V1.2 Date: 07/16/2026
Specifications are subject to change without notice

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SPECIFICATIONS			
Model		**STW-B-BYEL-C3F-10B5M-12V**	**STW-B-BYEL-C6F-10B5M-24V**
PHOTOMETRIC			
LED Color		Amber	
Wavelength		590nm	
Lumens Per Foot		61 lm/ft	
Beam Angle		120°	
ELECTRICAL			
Operating Voltage		12 VDC	24 VDC
Current Draw		4.9A	2.5A
Current Draw per Foot		299 mA/ft	152 mA/ft
Wattage		59 Watts	
Wattage per Foot		3.6 W/ft	
Dimmer Type		PWM	
MECHANICAL			
Max Run (Class 2)		14.8 ft (4.5 m)	24.6 ft (7.5 m)
Minimum Cut Length		50 mm (1.97 in.)	100 mm (3.9 in.)
LEDs per Segment		3	6
LED Density		18 LEDs/ft	
PCB Width		10 mm (0.39 in.)	
Strip Width		12 mm (0.48 in.)	
Length		16.4 ft (5 m)	
LED Type		2835 SMD	
LED Lifetime		50000 hours	
Connection Type	Input	5.5 mm x 2.1 mm DC Barrel, Pigtail	
	Output	5.5 mm x 2.1 mm DC Barrel	
ENVIRONMENTAL			
IP Rating		IP67	
Environmental Rating		Suitable for Wet Locations, Waterproof	
Ambient Operating Temperature		-20 to 60°C (-4 to 140°F)	

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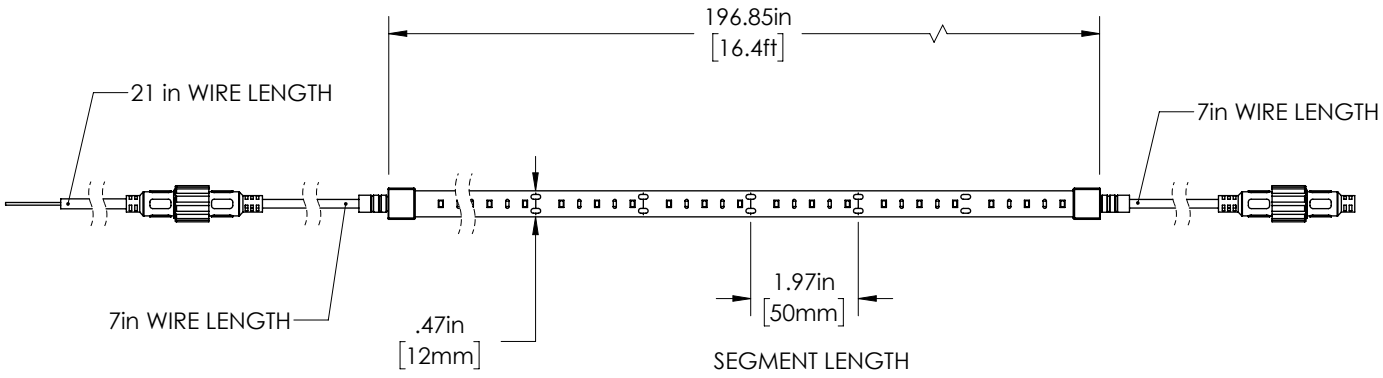
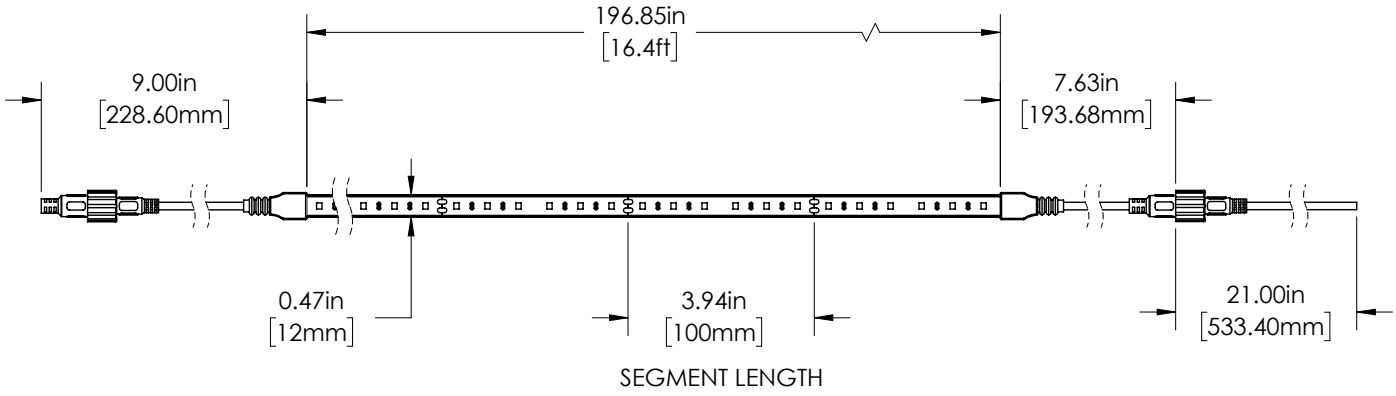
Dimensional Drawings

STW-BYEL-C3F-10B5M-12V

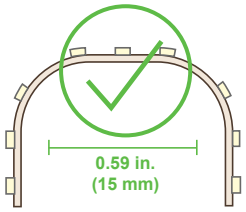


STW-BYEL-C6F-10B5M-24V



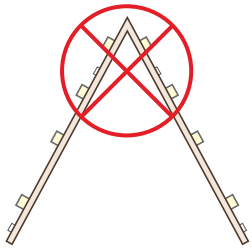
Note: Strip thickness ~0.20in. (5.1mm)

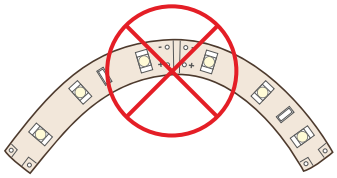
Strip Flexibility



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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