superbrightleds.com

Single Color LED Strip Lights

Waterproof Strip Light Specifications

Project _____ Date _____

Notes _____

HL-IP67-Color-5m

Voltage 12 or 24 VDC Available | 120° Beam Angle | PWM Dimming | IP67 | Warranty Life Time Warranty

Available Models[1]

12 VDC

- ☐ STW-B-BAMB-C3F-10B5M-12V
- ☐ STW-B-BBLU-C3F-10B5M-12V
- ☐ STW-B-BGRE-C3F-10B5M-12V
- ☐ STW-B-BRED-C3F-10B5M-12V

24 VDC

- ☐ STW-B-BAMB-C6F-10B5M-24V
- ☐ STW-B-BBLU-C6F-10B5M-24V
- ☐ STW-B-BGRE-C6F-10B5M-24V
- ☐ STW-B-BRED-C6F-10B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STW-B-BAMB-C3F-10B5M-12V

Series	Strip Type	Color	LED Type	LEDs/Segment	IP Rating	PCB Width	Density	Length	Voltage
STW-B	**B**	**AMB**	**C**	**3**	**F**	**10**	**B**	**5M**	**12V**
Weatherproof	Single Color	AMB: Amber BLU: Blue GRE: Green RED: Red	2835 SMD	3: 3 LEDs/seg 6: 6 LEDs/seg	IP67	10mm	60 LEDs/m	5 meters	12: 12 VDC 24: 24 VDC

Overview

HighLight Series 5m single-color LED strip lights have high-quaily LEDs for professional-grade lighting and consistent performance. The fully waterproof is ideal for installation in wet locations. Multiple single color options are available to enhance the look of any space. Peel-and-stick 3M™ adhesive backing enables fast, easy mounting.

Features

- IP67 waterproof, suitable for wet locations
- Made with long lasting 2835 SMD LEDs
- 18 LEDs/ft for a vibrant light output
- Cut points: 50 mm (12V) or 100 mm (24V)

Product Details

- Class 2 Max Run: 4.5 m (12V), 7.5 m (24V)
- Strip width measures 12mm
- PWM Dimmable
- 3M™ adhesive backing
- DC Barrel or Pigtail connection

Certifications and Compliances

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

UL LISTED CE

Applications

- Backlighting
- Bars and Restaurants
- Outdoor Accent Lights
- Under-Cabinets
- Building Exteriors
- Decks
- Facades
- Outdoor Kitchens
- Patios
- Toe Kick Lighting

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: 05/29/2026
Specifications are subject to change without notice

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SPECIFICATIONS			
Model		**STW-B-Bx-C3F-10B5M-12V**	**STW-B-Bx-C6F-10B5M-24V**
PHOTOMETRIC			
LED Color		Amber, Blue, Green, or Red (as ordered)	
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 (3.90 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 Chip Type		2835 SMD	
LED Lifetime		50000 Hours	
Connection Type	Input	5.5 mm x 2.1 mm DC Barrel, Pigtail	
	Output	5.5mm x 2.1mm 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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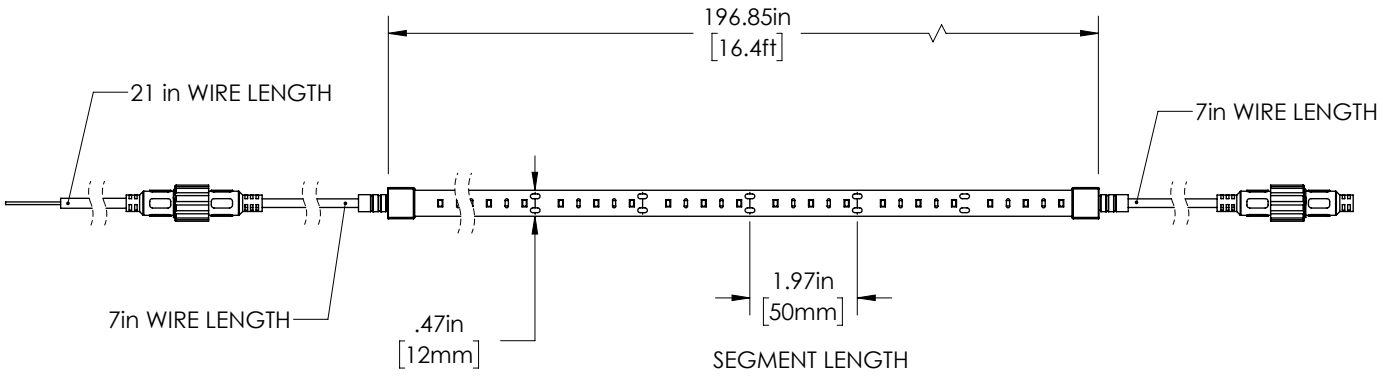
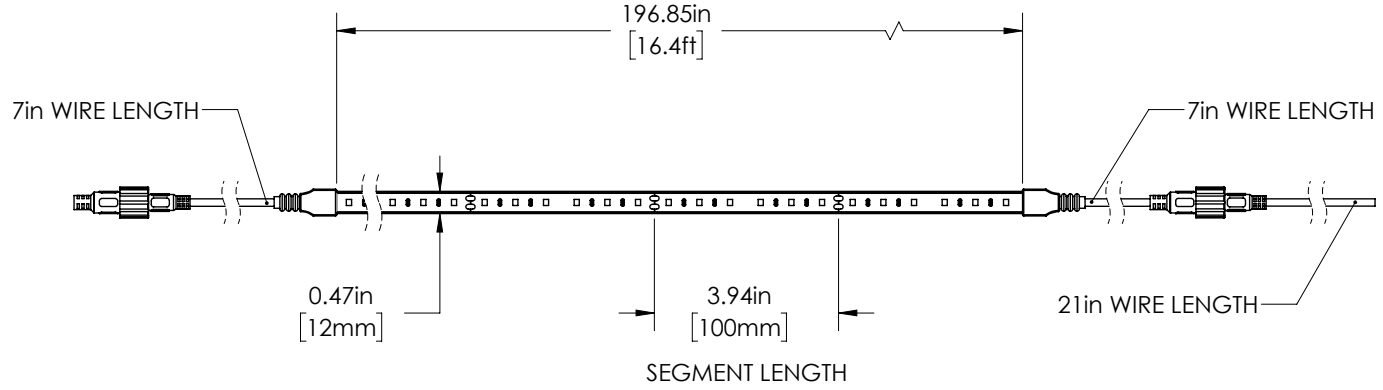
Waterproof Strip Light Specifications

Dimensional Drawings

STW-B-Bx-C3F-10B5M-12V

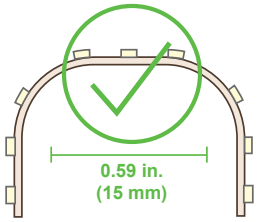


STW-B-Bx-C6F-10B5M-24V



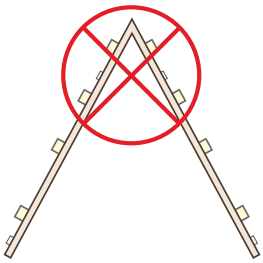
Note: Strip thickness ~0.20in. 5.1mm)

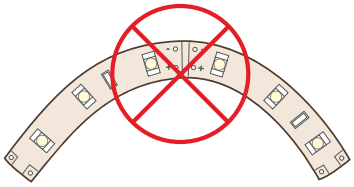
Strip Flexibility



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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