superbrightleds.com

Color Changing LED Strip Lights

RGB Strip Light Specifications

Project _____

Date _____ Type _____

DC-IP67-RGB-5m

Voltage 12 or 24 VDC Available | RGB | PWM Dimming | IP67 | Warranty Life Time

Available Models[1]

12 VDC

☐ STW-B-CRGB-A3F-10B5M-12V

24 VDC

☐ STW-B-CRGB-A6F-10B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STW-B-CRGB-A3F-10B5M-12V

Series	Strip Type	Color	LED Type	LEDs/Segment	IP Rating	PCB Width	Density	Length	Voltage
STW-B	**C**	**RGB**	**A**	**3**	**F**	**10**	**B**	**5M**	**12V**
Weatherproof	RGB	RGB	5050 SMD	3: 3 LEDs/seg 6: 6 LEDs/seg	IP67	10mm	60 LEDs/m	5 meters	12V: 12 VDC 24V: 24 VDC

Overview

Versatile and long-lasting, this flexible LED strip light emits brilliant multi-color illumination to brighten and enhance the aesthetics of any space. It is completely waterproof and fit for use outdoors. Peel-and-stick 3M™ adhesive backing enables fast, easy mounting. Backed by a lifetime warranty.

Features

- 3-in-1 RGB 5050 SMD LEDs
- IP67 Waterproof
- Customize color tone and settings with universal RGB controller (sold separately)

Details

- Waterproof, dual-end mating connections
- Max run: 16.4 ft (12V), 24.6 ft (24V)
- 18 LEDs/ft
- 12mm strip width
- 0-100% dimmable
- Lifetime exceeds 50000 hours
- 3M™ adhesive backing for surface mounting

Certifications and Compliances

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

UL LISTED CE

Applications

- Accent Lighting
- Backlighting
- Cove Lighting
- Display Cases
- Off Grid Lighting
- Retail Shops
- Sign Lighting
- Task Lighting
- Trade Shows
- 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 V1.0 Date: 12/05/2025

Specifications are subject to change without notice.

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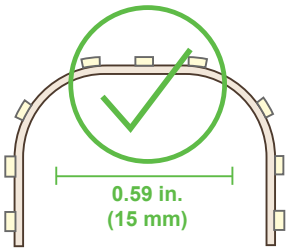
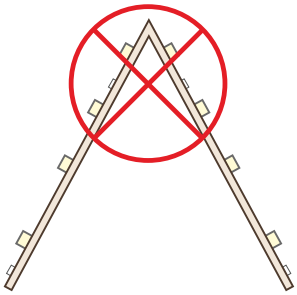
SPECIFICATIONS		
Model	**STW-B-CRGB-A3F-10B5M-12V**	**STW-B-CRGB-A6F-10B5M-24V**
PHOTOMETRIC		
LED Color	RGB	
Beam Angle	120°	
ELECTRICAL		
Operating Voltage	12 VDC	24 VDC
Current Draw	4.4A	2.5A
Current Draw per Foot	268mA	152mA
Wattage	53 Watts	59 Watts
Wattage per Foot	3.2 W/ft	3.6 W/ft
Dimmer Type	PWM	
MECHANICAL		
LEDs per Segment	3	6
Minimum Cut Length	50mm (1.97in.)	100mm (3.9in.)
Max Run (Class 2)	16.4 ft (5 m)	24.6 ft (7.5 m)
Length	16.4ft (5m)	
PCB Width	10mm (0.39in.)	
Strip Width	12mm (0.47in.)	
LED Density	18 LEDs/ft	
LED Type	5050 SMD	
LED Lifetime	50000 hours	
Input Connection Type	4-Pin Waterproof Connector, Pigtail	
ENVIRONMENTAL		
IP Rating	IP67	
Environmental Rating	Suitable for Wet Locations, Waterproof	
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)	

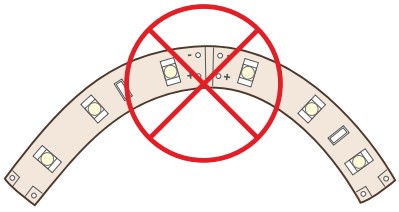
Strip Flexibility



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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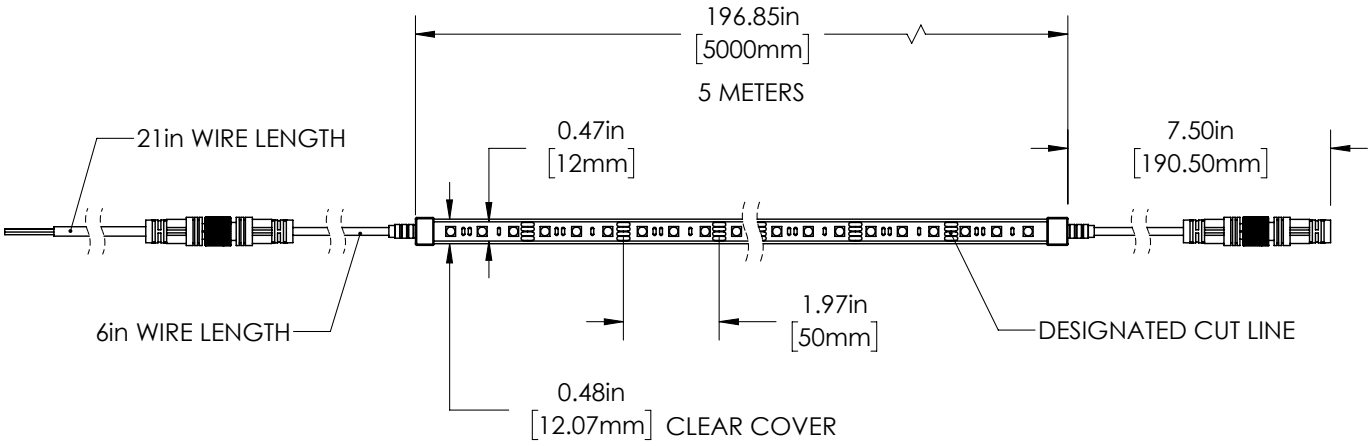
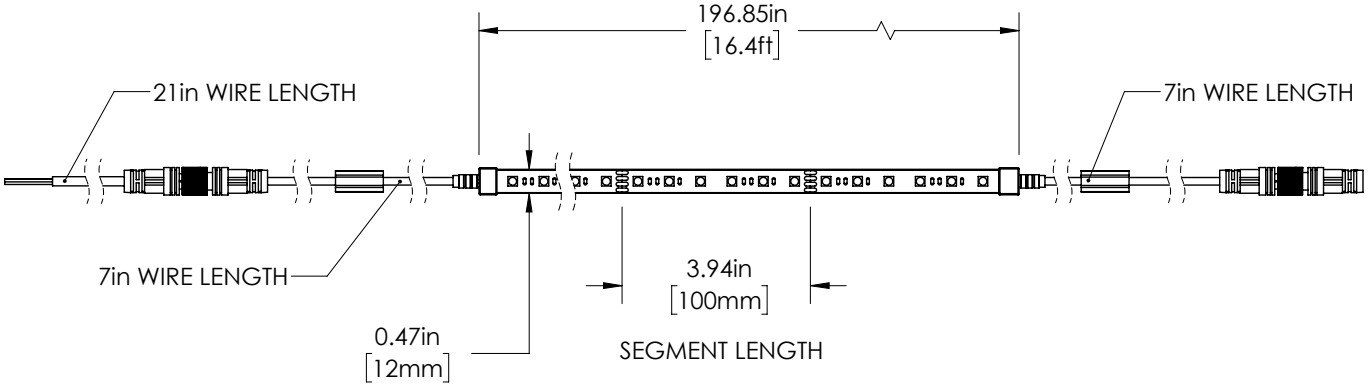
Dimensional Drawings

STW-B-CRGB-A3F-10B5M-12V



STW-B-CRGB-A6F-10B5M-24V



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

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