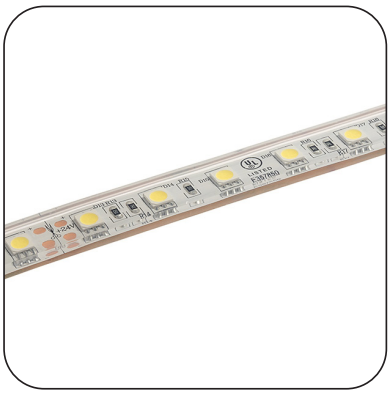
superbrightleds.com

White LED Strip Lights

IP68 Waterproof Light Strip Specifications

Project _____ Date _____

Notes _____



Voltage 24 VDC | CRI 80+ | PWM Dimming | IP68 | 7 yr WARRANTY

Available Models[1]

- ☐ STW-B-ACW80-A6G-10B5M-24V
- ☐ STW-B-ANW80-A6G-10B5M-24V
- ☐ STW-B-AWW80-A6G-10B5M-24V

SAMPLE PART NUMBER BREAKDOWN STW-B-ACW80-A6G-10B5M-24V

Series	Strip Type	CCT	CRI	LED Type	LEDs/Segment	IP Rating	PCB Width	Density	Length	Voltage
STW-B	A	CW	80	A	6	G	10	B	5M	24V
Waterproof	Single White	CW: 5000K Cool NW: 4000K Natural WW: 3000K Warm	80+	5050 SMD	6 LEDs/seg	IP68	10mm	60 LEDs/m	5 meters	24 VDC

Overview

The Radiant Series 5m white LED strip light is a flexible lighting solution ideal for indoor or outdoor applications. Its IP68 waterproof rating allows it to be installed in wet areas. It emits a smooth beam of white light and has an 80+ CRI for quality representation of vibrant colors. The peel-and-stick 3M™ adhesive backing enables fast, easy surface mounting.

Features

- 80+ CRI delivers quality representation of vibrant colors
- IP68 waterproof rated for use in wet locations
- 0-100% PWM dimmable

Product Details

- Strip width: 12 mm with submersible coating
- 5050 SMD LEDs for superior brightness
- Max run (Class 2): 23 ft (7 m)
- 18 LEDs/ft strip density
- 50000+ LED Lifetime
- 24 VDC input

Certifications and Compliances

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

UL LISTED CE

Applications

- Backlighting
- Building Exteriors
- Decks
- Facades
- Outdoor Kitchens
- Patios
- Toe Kick Lighting
- Under-Cabinets

Warranty

- 7-year 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. V1.3 Date: 08/03/2026

Specifications are subject to change without notice

White LED Strip Lights

IP68 Waterproof Light Strip Specifications

SPECIFICATIONS	
Model	**STW-B-Ax80-A6G-10B5M-24V**
PHOTOMETRIC	
LED Color	Warm White, Natural White, or Cool White (as ordered)
Color Temperature	3000K, 4000K, or 5000K (as ordered)
Lumens per Foot	351 lm/ft
Efficacy	90 lm/W
CRI	80+
Beam Angle	120°
ELECTRICAL	
Operating Voltage	24 VDC
Current Draw per Foot	165 mA/ft
Current Draw	2.7 A
Wattage per Foot	3.9 W/ft
Wattage	64 Watts
Dimmer Type	PWM
MECHANICAL	
Max Run (Class 2)	23 ft (7 m)
Minimum Cut Length	100 mm (3.9 in.)
LEDs per Segment	6
LED Density	18 LEDs/ft
PCB Width	10 mm (0.39 in.)
Strip Width	12 mm (0.47 in.)
Length	16.4 ft (5 m)
LED Type	5050 SMD
Connection Type	5.5 mm x 2.1 mm DC Barrel, Pigtail
LED Lifetime	50000 hours
ENVIRONMENTAL	
IP Rating	IP68
Environmental Rating	Suitable for Wet Locations, Waterproof
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)

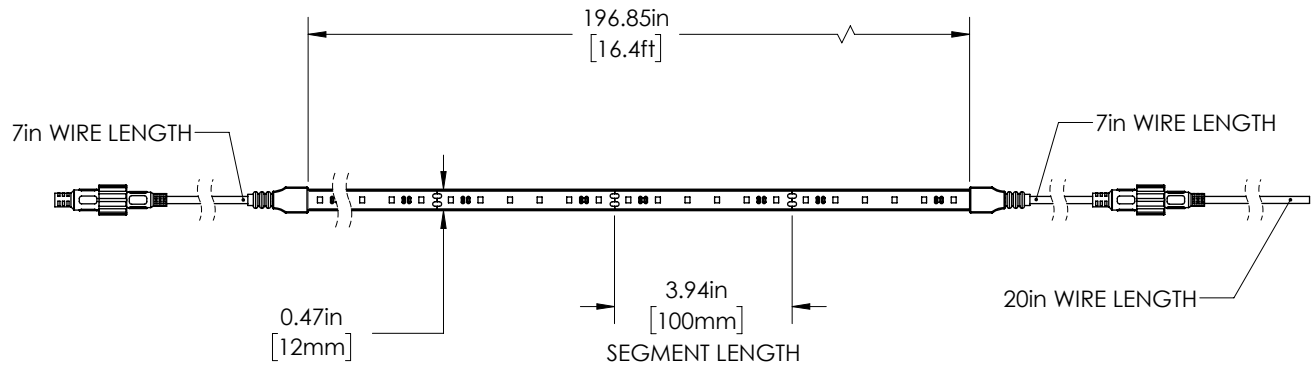
T 866.811.5550| **F** 314.972.6202
https://www.superbrightleds.com
email: commercial-sales@superbrightleds.com

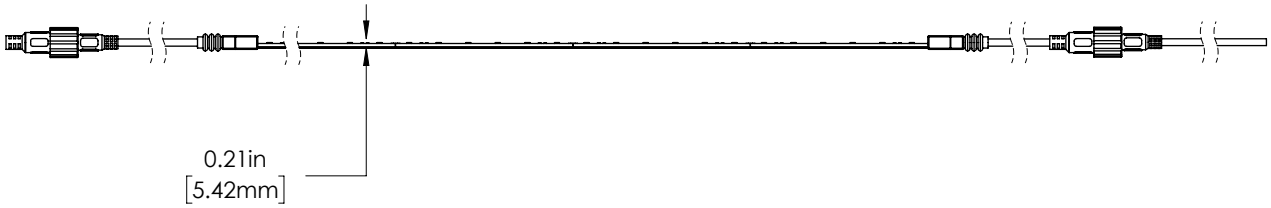
Rev. V1.3 Date: 08/03/2026
Specifications are subject to change without notice

White LED Strip Lights

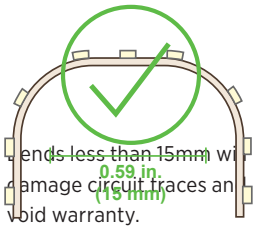
IP68 Waterproof Light Strip Specifications

Dimensional Drawings



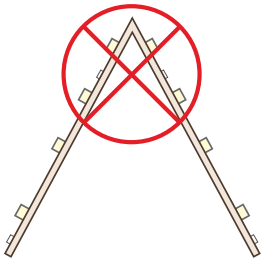


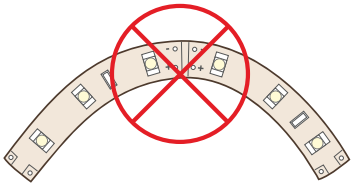
Strip Flexibility



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. V1.3 Date: 08/03/2026
Specifications are subject to change without notice