superbrightleds.com

Color-Changing LED Tape Light

RGB+CCT LED Strip Light Specifications

Project _____ Date _____

Type _____

DC-IP20-RGB+CCT-5m

Voltage 12 or 24 VDC Available | RGB+ Tunable White | CRI 80+ | IP20 | WARRANTY LIFE TIME

Available Model[1]

12 VDC
- ☐ STN-B-G80-A6A-14B5M-12V

24 VDC
- ☐ STN-B-G80-A12A-14B5M-24V

SAMPLE PART NUMBER BREAKDOWN **STN-B-G80-A6A-14B5M-12V**

Series	Strip Type	CRI	LED Type	LEDs/Segment	IP Rating	Strip Width	Density	Length	Voltage
STN-B	G	80	A	6	A	14	B	5M	12V
Non-weatherproof	RGB+CCT	80+	5050 SMD	6: 6 LEDs/seg 12: 12 LEDs/seg	IP20	14mm	60 LEDs/m	5 meters	12V: 12 VDC 24V: 24 VDC

Overview

The DynamicColor Series 5m RGB + Tunable White LED Strip Light delivers customizable lighting for a variety of applications. This flexible LED strip light uses alternating color-changing and tunable white LEDs to produce bold, brilliant illumination in a wide range of high-quality color tones. Enjoy seamlessly blended color tones and rich, true whites. Peel-and-stick 3M™ adhesive backing enables fast, easy mounting. Backed by a lifetime warranty.

Features

- Delivers a range RGB colors + tunable white: 2700K-6500K
- 5050 SMD LEDs for pure color saturation
- 18 LEDs/ft delivers 174 lm/ft
- Cut points located 3.9” or 7.9” based on strip voltage

Details

- Adjust output with strip controller (sold separately)
- Class 2 Max Run: 5 m (12 V), 8 m (24 V)
- Strip width measures 14mm
- Pigtail connection
- 3M™ adhesive backing

Certifications and Compliances

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

UL LISTED CE

Applications

- Accent Lighting
- Bars and Restaurants
- Countertop Lighting
- Cove Lighting
- Game Rooms
- Task Lighting
- Toe Kick Lighting
- Trade Shows
- Under-Cabinets

Warranty

- Lifetime warranty

[1]Contact customer service if interested in other options.

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

Rev V1.1 Date: 07/06/2026

Specifications are subject to change without notice

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SPECIFICATIONS		
Model	**STN-B-G80-A6A-14B5M-12V**	**STN-B-G80-A12A-14B5M-24V**
UL File Number	E357850	
PHOTOMETRIC		
LED Color	RGB+Tunable CCT	
Color Temperature	Tunable CCT (2700K-6500K)	
Lumens Per Foot	174 lm/ft	
Efficacy	52 lm/W	
CRI	80+	
Beam Angle	120°	
ELECTRICAL		
Operating Voltage	12 VDC	24 VDC
Current Draw	4.6 A	2.3 A
Current Draw per Foot	280 mA/ft	140 mA/ft
Wattage per Foot	3.4 W/ft	
Wattage	55 Watts	
Dimmer Type	PWM	
MECHANICAL		
Minimum Cut Length	100 mm (3.9 in.)	200 mm (7.9 in.)
LEDs per Segment	6	12
Max Run (Class 2)	16.4 ft (5 m)	26.2 ft (8 m)
Length	16.4 ft (5 m)	
Strip Width	14 mm (0.55 in.)	
LED Density	18 LEDs/ft	
LED Type	5050 SMD	
Input Type	Pigtail	
Wire Gauge	22 AWG	
LED Lifetime	50000 hours	
ENVIRONMENTAL		
IP Rating	IP20	
Environmental Rating	Suitable for Dry Locations, Indoor Only	
Ambient Operating Temperature	-20 to 60°C (-4 to 140°F)	

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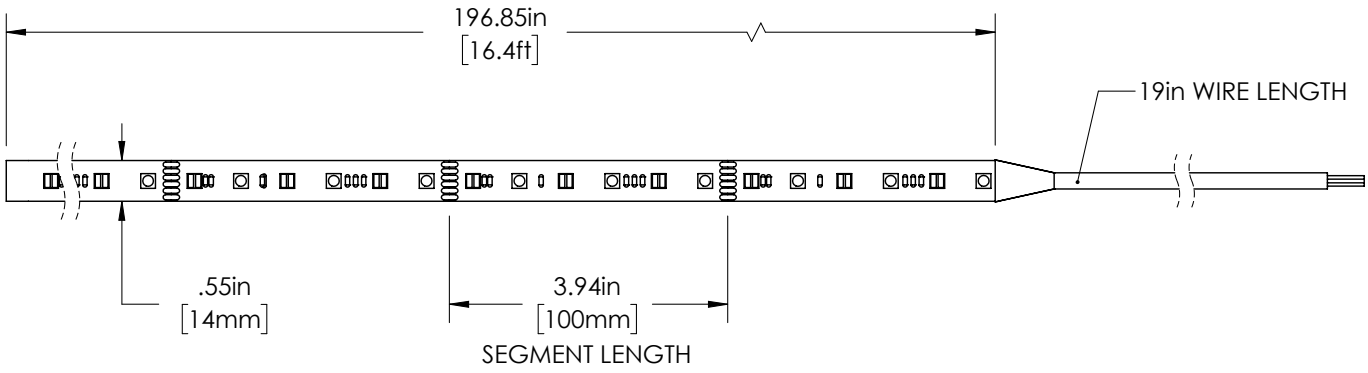
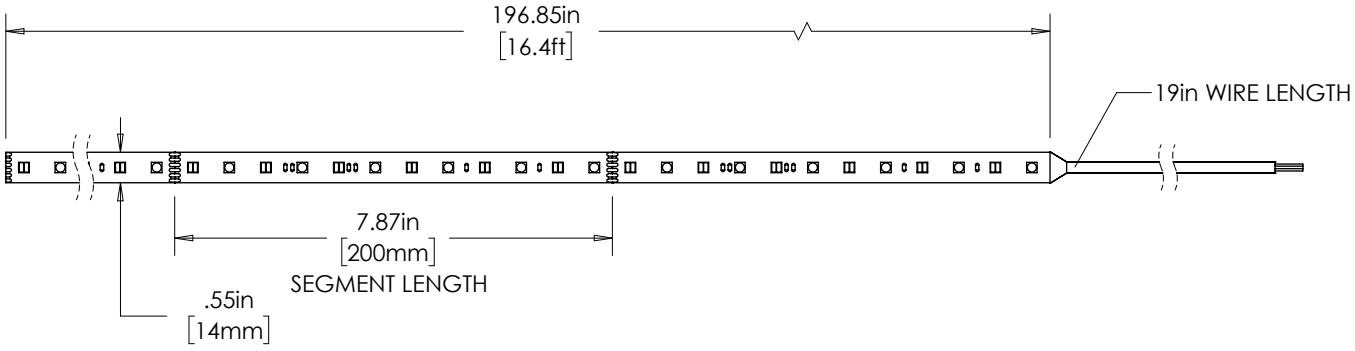
Dimensional Drawings

STN-B-G80-A6A-14B5M-12V

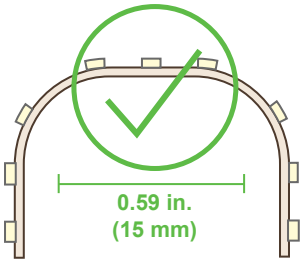


STN-B-G80-A12A-14B5M-24V



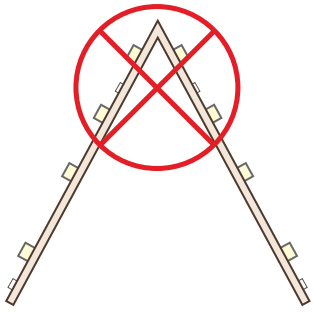
Note: Strip height ~0.08in. (2mm)

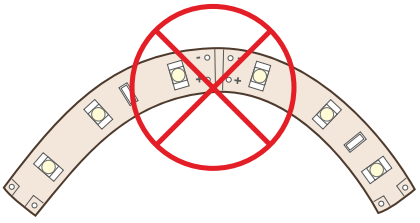
Strip Flexibility



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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