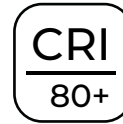




DC-IP20-RGB+W-5m



Available Models¹

12 VDC

- STN-B-E30K80-A6A-12B5M-12V
- STN-B-E40K80-A6A-12B5M-12V
- STN-B-E50K80-A6A-12B5M-12V

24 VDC

- STN-B-E30K80-A10A-12B5M-24V
- STN-B-E40K80-A10A-12B5M-24V
- STN-B-E50K80-A10A-12B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STN-B-E30K80-A6A-12B5M-12V

| Series | Strip Type | Color | CRI | LED Type | LEDs/Segment | IP Rating | Strip Width | Density | Length | Voltage |
|------------------|------------|--|-----------|----------|----------------------------------|-----------|-------------|-----------|-----------|----------------------------|
| STN-B | E | 30K | 80 | A | 6 | A | 12 | B | 5M | 12V |
| Non-weatherproof | RGB+W | 30K: 3000K 40K: 4000K 50K: 5000K | 80+ | 5050 SMD | 6: 6 LEDs/seg 10: 10 LEDs/seg | IP20 | 12mm | 60 LEDs/m | 5 meters | 12V: 12 VDC 24V: 24 VDC |

Overview

This flexible LED strip light uses alternating color-changing and true white LEDs to produce bold, brilliant illumination in a wide range of high-quality color tones. Enjoy seamlessly blended colors and enhanced ambiance. Peel-and-stick 3M™ adhesive backing enables fast, easy mounting. Backed by a lifetime warranty.

Features

- 3-in-1 RGB and white 5050 SMD LED
- Select 5000K, 4000K, or 3000K white LEDs
- Customize brightness, color tone, and settings with universal RGB+W controller (sold separately)

Details

- Max Run: 14.8ft (12V); 23ft (24V)
- LED Density: 18 LEDs/ft
- Strip Width: 12mm
- 5-wire pigtail connection
- 0-100% PWM dimmable
- Lifetime exceeds 50000 hours

Certifications and Compliances

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



Applications

- Accent Lighting
- Cove Lighting
- Displays
- Sign Lighting
- Stage & Theaters
- Toe Kick Lighting
- Trade Shows
- Under-Cabinets

Warranty

- Lifetime warranty

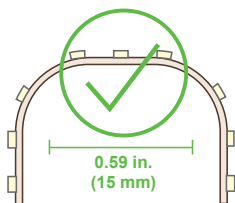


Color Changing LED Strip Lights

RGB+W LED Strip Light Specifications

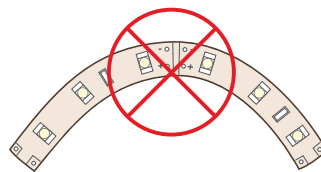
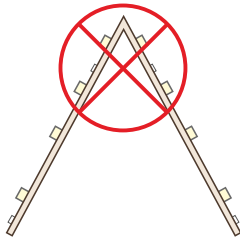
| SPECIFICATIONS | | |
|-------------------------------|--|----------------------------|
| Model | STN-B-ExK80-A6A-12B5M-12V | STN-B-ExK80-A10A-12B5M-24V |
| PHOTOMETRIC | | |
| Lumens per Foot | 281 lm/ft | 219 lm/ft |
| Efficacy | 72 lm/W | 56 lm/W |
| LED Color | RGB+W (3000K, 4000K, or 5000K as ordered) | |
| CRI | 80+ | |
| Beam Angle | 120° | |
| ELECTRICAL | | |
| Operating Voltage | 12 VDC | 24 VDC |
| Current Draw per Foot | 323mA | 165mA |
| Current Draw | 5.3A | 2.7A |
| Wattage per Foot | 3.9 W/ft | |
| Wattage | 64 Watts | |
| Dimming Type | PWM | |
| MECHANICAL | | |
| Max Run (Class 2) | 14.8ft (4.5m) | 23ft (7m) |
| Minimum Cut Length | 100mm (3.9in.) | 167mm (6.6in.) |
| LEDs per Segment | 6 | 10 |
| LED Density | 18 LEDs/ft | |
| Strip Width | 12mm (0.47in.) | |
| Length | 16.4ft (5m) | |
| LED Type | 5050 SMD | |
| LED Lifetime | 50000 hours | |
| ENVIRONMENTAL | | |
| IP Rating | IP20 | |
| Environmental Rating | Suitable for Dry Locations, Non-weatherproof | |
| 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.

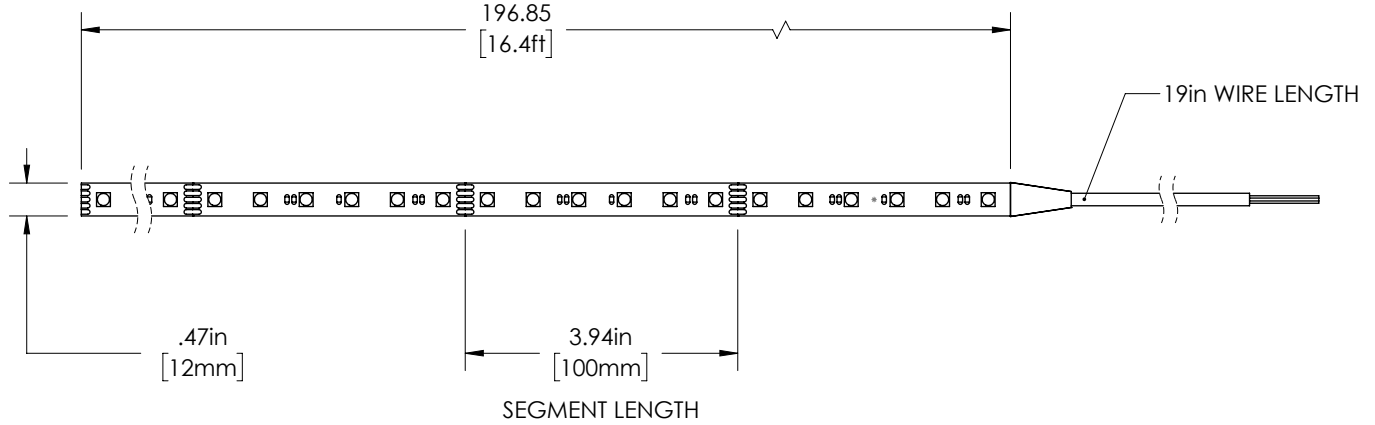


Color Changing LED Strip Lights

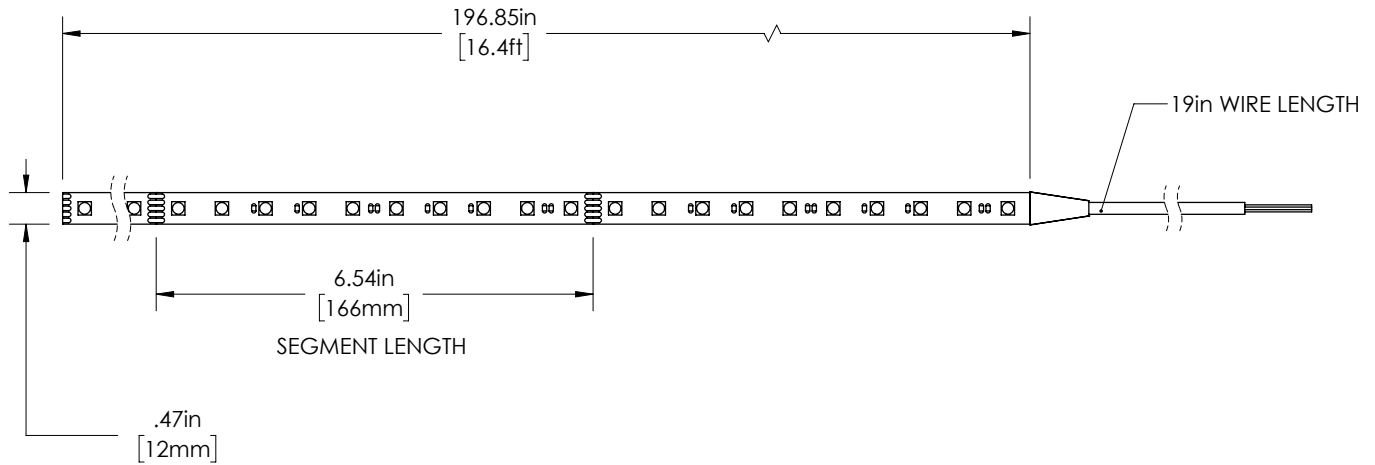
RGB+W LED Strip Light Specifications

Dimensional Drawings

STN-B-ExK80-A6A-12B5M-12V



STN-B-ExK80-A10A-12B5M-24V



Note: Strip thickness is -.08in. (2mm)

