



DC-IP20-RGB+W-5m



Available Models¹

12 VDC

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

24 VDC

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

SAMPLE PART NUMBER BREAKDOWN

STN-E30K80-A6A-12B5M-12V

Series	Strip Type	Color	CRI	LED Type	LEDs/Segment	IP Rating	Strip Width	Density	Length	Voltage
STN	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	B: 60 LEDs/m	5 meters	12V: 12 VDC 24V: 24 VDC

Overview

This flexible LED strip light uses alternating color-changing and pure 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

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

Details

- 12 VDC for vehicle applications; 24 VDC for longer runs
- Max run: 5m (12 VDC); 7m (24 VDC)
- LED density: 18 LEDs/ft
- 12 mm strip width
- 5-wire pigtail connection
- 0-100% dimmable
- Lifetime exceeds 50,000 hours
- 3M™ adhesive backing for surface mounting

Certifications and Compliances

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



Applications

- Accent Lighting
- Backlighting
- Cove Lighting
- Display Cases
- Off Grid Lighting
- Retail Shops
- Sign Lighting
- Task Lighting
- Trade Shows
- Under-Cabinets

Warranty

- Lifetime warranty



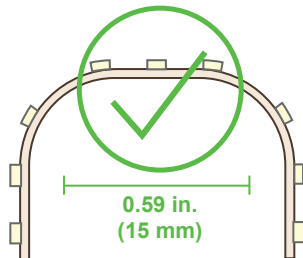
STN Series

RGB+W LED Strip Light Specifications

Specifications

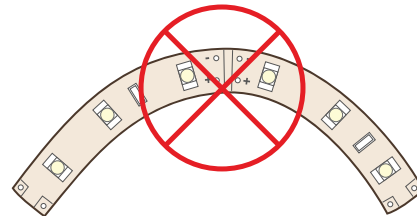
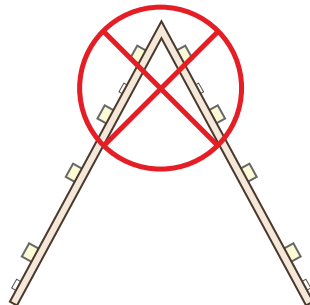
Model	STN-ExK80-A6A-12B5M-12V	STN-ExK80-A10A-12B5M-24V
Operating Voltage	12 VDC	24 VDC
Current Draw	5.3A	2.7A
Current Draw per Foot	325mA	163mA
LEDs per Segment	6	10
Max Run (Class 2)	16.4ft (5m)	23ft (7m)
Minimum Cut Length	100mm (3.9in.)	167mm (6.6in.)
LED Density	18 LEDs/ft	
Wattage	64W	
Wattage per Foot	3.9 W/ft	
Lumens per Foot	204 lm/ft	
Efficacy	52 lm/W	
LED Color	RGB+W (3000K, 4000K, or 5000K as ordered)	
CRI	80+	
Beam Angle	120°	
Dimming Type	PWM	
IP Rating	IP20	
Environmental Rating	Non-weatherproof, Suitable for Dry Locations	
LED Type	5050 SMD	
LED Lifetime	50000 hours	
Strip Width	12mm (0.47in.)	
Ambient Operating Temperature	-20 to 45°C (-4 to 113°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.

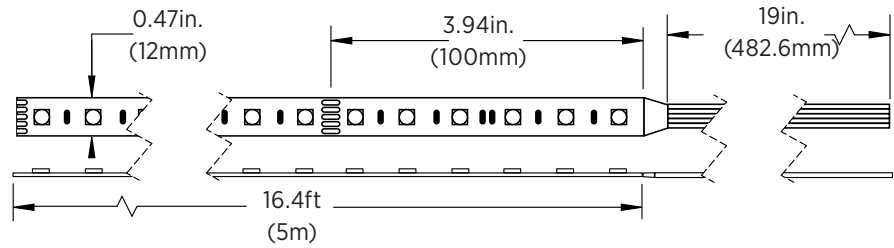
STN Series

RGB+W LED Strip Light Specifications

Dimensional Drawings

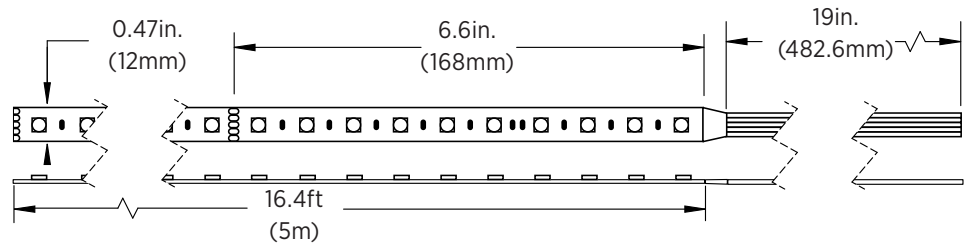
STN-ExK80-A6A-12B5M-12V

- 16.4ft (5m) max run



STN-ExK80-A10A-12B5M-24V

- 23ft (7m) max run



Note: Dimensional drawings not to scale. Strip height for all strips shown is -0.08in. (2mm).

