

Available Model¹

☐ STN-F80-A6A-12B5M-24V

SAMPLE PART NUMBER BREAKDOWN

STN-F80-A6A-12B5M-24V

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

Overview

This flexible LED strip light combines RGB and tunable white LEDs into a single node for seamless blending and the broadest range of color tones and temperatures. Close placement of LEDs ensures a smooth, solid line of vibrant light. Peel-and-stick 3M™ adhesive backing enables fast, easy mounting. Backed by a lifetime warranty.

Features

- 5-in-1 RGB + tunable white: 2400K-6500K
- Customize brightness, color tone, and light modes with an RGB + tunable white controller (sold separately)

Product Details

- 24 VDC input
- 18 LEDs/ft
- 12mm strip width
- Pigtail connection
- 0-100% dimmable
- Maximum run up to 15m
- Lifetime exceeds 50000 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



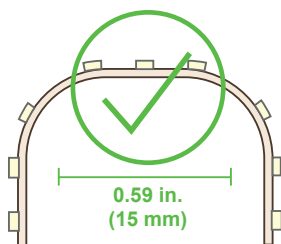
STN Series

RGB+CCT LED Strip Light Specifications

Specifications

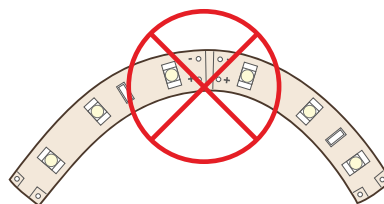
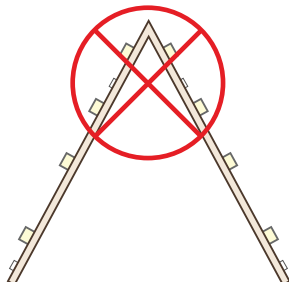
Model	STN-F80-A6A-12B5M-24V
Operating Voltage	24 VDC
Wattage	90W
Wattage per Foot	5.5W/ft
Current Draw	3.8A
Current Draw per Foot	228mA/ft
Lumens per Foot	223 lm/ft
Efficacy	41 lm/W
LED Color	RGB+Tunable CCT
CRI	80+
LED Beam Angle	120°
Dimmer Type	PWM
LED Type	5050 SMD
Minimum Cut Length	100mm (3.9in.)
LEDs per Segment	6
LED Density	18 LEDs/ft
Max Run (Class 2)	Up to 16.4ft (5m)
Strip Width	12mm (0.47in.)
Input Connection Type	Pigtail
IP Rating	IP20
Environmental Rating	Non-weatherproof, Suitable for Dry Locations
LED Lifetime	36000 hours
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.

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Dimensional Drawings

