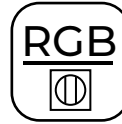


DC-IP20-RGB-5m



#### Available Models<sup>1</sup>

##### 12 VDC

- STN-B-CRGB-A3A-10A5M-12V
- STN-B-CRGB-A3A-10B5M-12V

##### 24 VDC

- STN-B-CRGB-A5A-10A5M-24V
- STN-B-CRGB-A6A-10B5M-24V

#### SAMPLE PART NUMBER BREAKDOWN

## STN-B-CRGB-A3A-10A5M-12V

Series	Strip Type	Color	LED Type	LEDs/Segment	IP Rating	Width	Density	Length	Voltage
<b>STN-B</b>	<b>C</b>	<b>RGB</b>	<b>A</b>	<b>3</b>	<b>A</b>	<b>10</b>	<b>A</b>	<b>5M</b>	<b>12V</b>
Non-weatherproof	RGB	RGB	5050 SMD	3: 3 LEDs/seg 5: 5 LEDs/seg 6: 6 LEDs/seg	IP20	10mm	A: 30 LEDs/m B: 60 LEDs/m	5 meters	12V: 12 VDC 24V: 24 VDC

#### Overview

This flexible LED strip light is the foundation of Super Bright LEDs' DynamicColor Series. Versatile and long-lasting, it emits brilliant multi-color illumination to brighten and enhance the aesthetics of any indoor space. Peel-and-stick 3M™ adhesive backing enables fast, easy mounting. Backed by a lifetime warranty.

#### Features

- 3-in-1 RGB 5050 SMD LEDs
- Offers seamless color blending and saturation
- Pair with a universal RGB controller to customize the output (sold separately)

#### Product Details

- 12 VDC for vehicle applications; 24 VDC for longer runs
- Choose 9 or 18 LEDs/ft
- 10mm strip width
- 4-wire pigtail connection
- 0-100% PWM 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

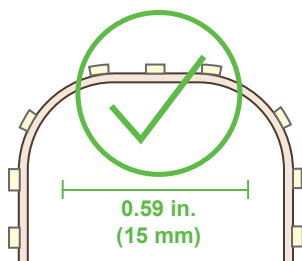
#### Warranty

- Lifetime warranty



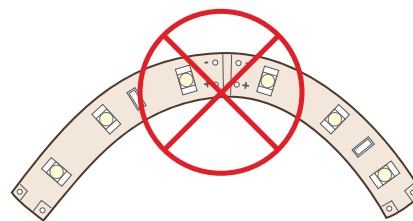
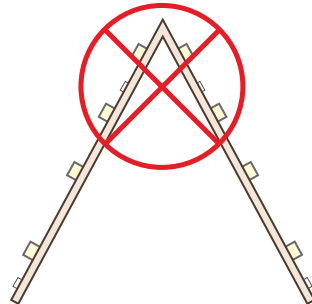
SPECIFICATIONS				
Model STN-B	CRGB-A3A-10A5M-12V	CRGB-A3A-10B5M-12V	CRGB-A5A-10A5M-24V	CRGB-A6A-10B5M-24V
<b>PHOTOMETRIC</b>				
LED Color	RGB			
Beam Angle	120°			
<b>ELECTRICAL</b>				
Dimmer Type	PWM			
Operating Voltage	12 VDC		24 VDC	
Wattage	31 Watts	59 Watts	31 Watts	59 Watts
Wattage per Foot	1.9 W/ft	3.6 W/ft	1.9 W/ft	3.6 W/ft
Current Draw	2.6A	4.9A	1.3A	2.5A
Current Draw per Foot	159mA	299mA	79mA	152mA
<b>MECHANICAL</b>				
LED Density	9 LEDs/ft	18 LEDs/ft	9 LEDs/ft	18 LEDs/ft
Minimum Cut Length	100mm (3.9in.)	50mm (1.97in.)	166mm (6.5in.)	100mm (3.9in.)
LEDs per Segment	3	3	5	6
Max Run (Class 2)	27.9ft (8.5m)	14.8ft (4.5m)	49.2ft (15m)	24.6ft (7.5m)
Length	16.4ft (5m)			
Strip Width	10mm (0.39in.)			
LED Type	5050 SMD			
Input Connection Type	Pigtail			
LED Lifetime	50000 hours			
<b>ENVIRONMENTAL</b>				
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.

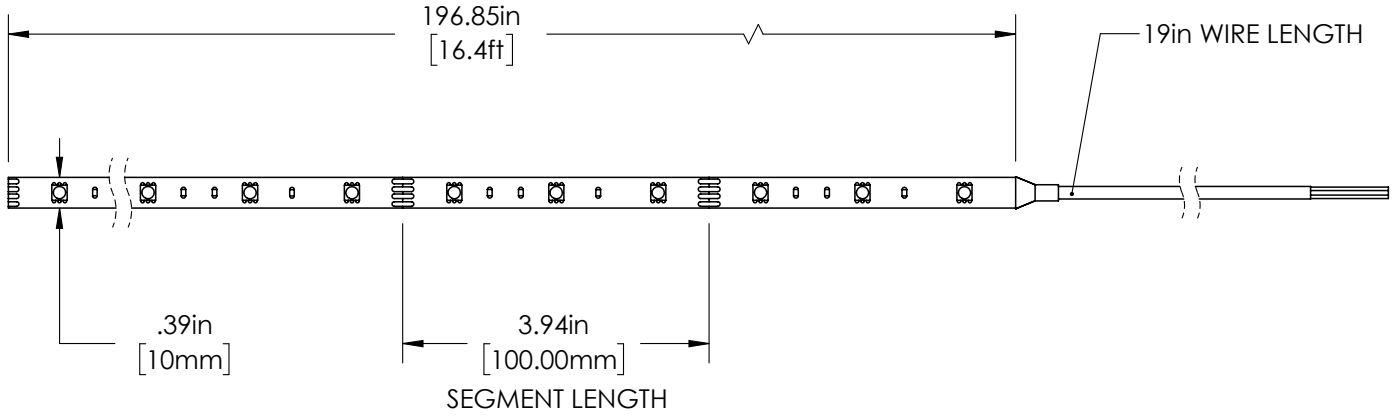


Bending strips on horizontal plane will damage circuit traces and void warranty.

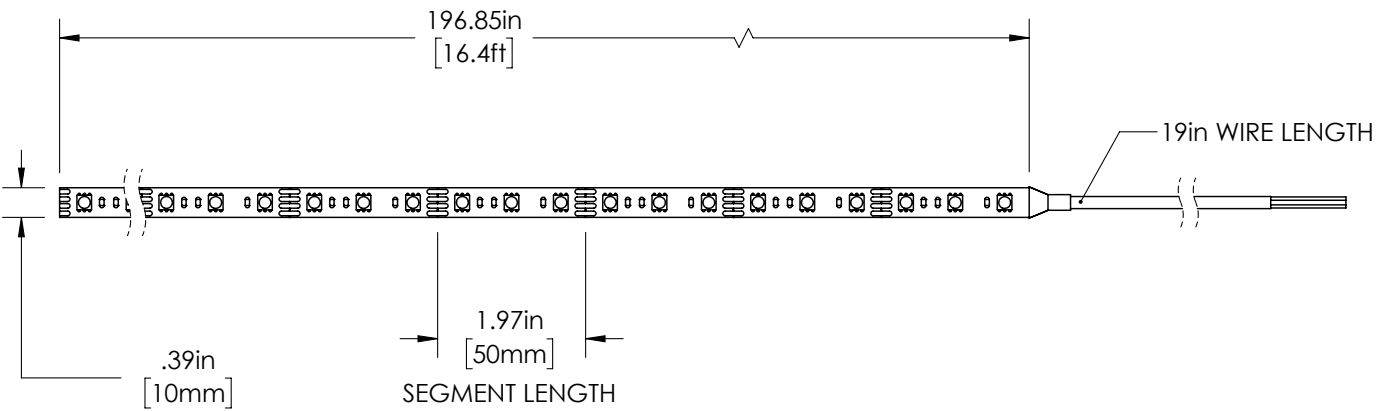


#### Dimensional Drawings

STN-B-CRGB-A3A-10A5M-12V



STN-B-CRGB-A3A-10B5M-12V

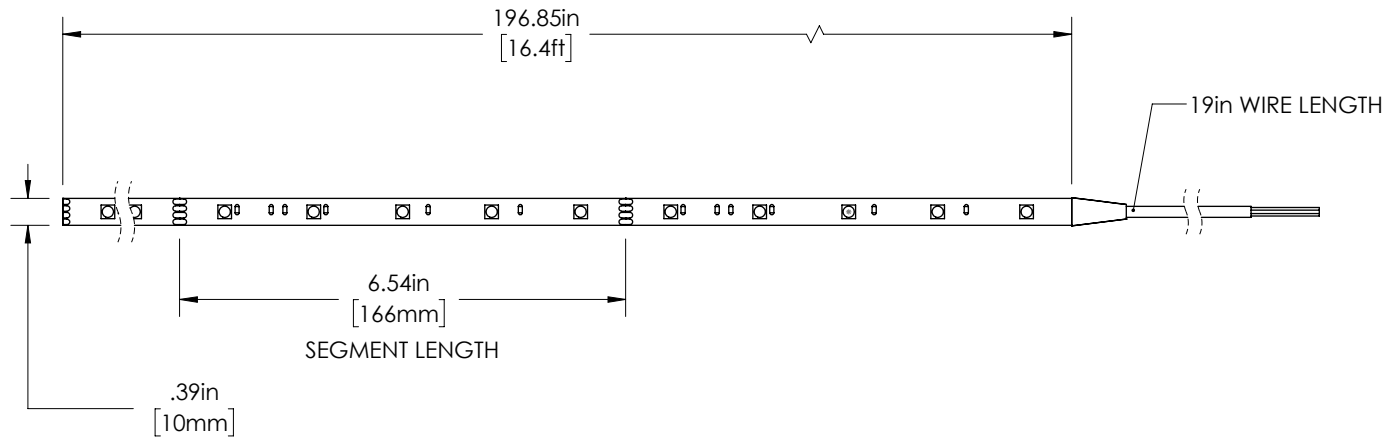


Strip thickness -0.08in. (2.0mm)

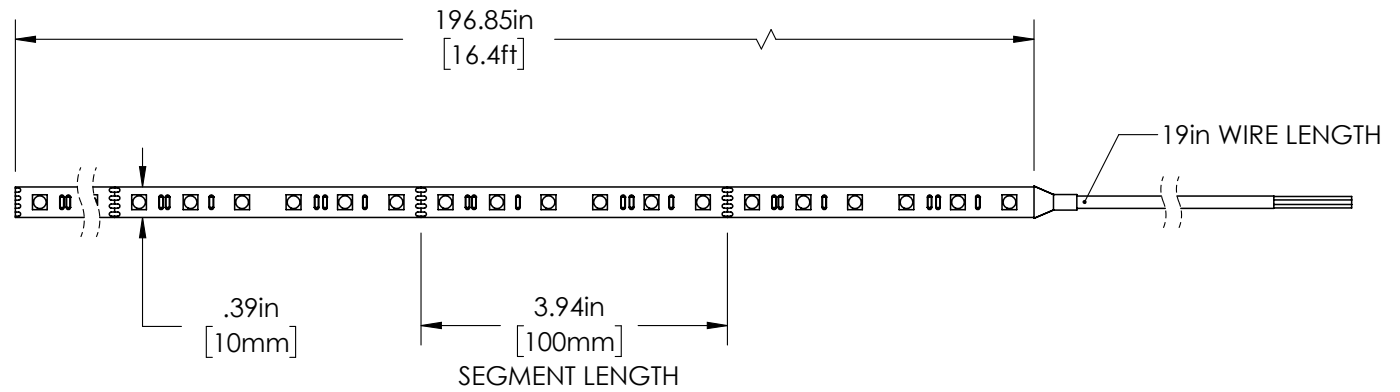


#### Dimensional Drawings

STN-B-CRGB-A5A-10A5M-24V



STN-B-CRGB-A6A-10B5M-24V



Strip thickness -0.08in. (2.0mm)

