superbrightleds.com

STN Series

RGB Color-Changing LED Strip Light Kit Specifications

Project_____

Date_____Type_____

Voltage 24 VDC | Bluetooth Mesh Wireless App Control | RGB | 50,000 Hour Lifetime | 5 yr WARRANTY

Available Model [1]

☐ STN-CRGB-A3A-10A5M-24V-2-RGB

SAMPLE PART NUMBER BREAKDOWN STN-CRGB-A3A-10A5M-24V-2-RGB

SERIES / STRIP TYPE / COLOR		LED TYPE / SEGMENT		IP RATING	SIZE / DENSITY / VOLTAGE				KIT
STN Series	**CRGB** Type + Color	**A** LED Type	**3** LEDs/Segment	**A** IP Rating	**10** Strip Width	**A** Density	**5M** Length	**24V** Voltage	**2-RGB** Kit Type
STN: Non-weatherproof	CRGB: RGB	A: 5050	3: 3 LEDs/seg	A: IP20	10: 10 mm	A: 30 LEDs/m	5M: 5 m	24V: 24 VDC	2-RGB: RGB Kit V2

Overview

Our in-house lighting specialists developed this LED strip kit with you in mind. Each kit includes everything you need for simple, stress-free installation and use. Use solderless clamps to quickly and safely connect segments of LED strip tape without the hassle of wire stripping or splicing. Long-lasting 3M™ adhesives ensure easy mounting to virtually any surface. Change the color, adjust brightness, switch between dynamic modes, and adjust the speed of the current mode using the Open-Lit app paired with the Bluetooth Mesh LED controller. Pair the controller with an Alexa or a Google Assistant for hands-free operation. Perfect for various lighting applications, including accent, ambient, and bias lighting.

Features

- In-house design by Super Bright LEDs' experts for user convenience
- RGB strip emits a range of colors to enhance indoor spaces
- Alexa, Google Assistant, & smartphone control via the Open-Lit app
- Professional-grade lighting with easy, DIY installation
- This strip kit is also available with RF remote control

Warranty

- 5-year warranty

What's Inside:

- (1) 5 m RGB LED Strip Light - 24 V
- (1) Bluetooth RGB LED Controller [2]
- (1) 48 W DiodeDrive® DC Power Adapter
- (10 ft) 22 AWG Four Conductor Power Wire
- (14) Solderless Clamp-On Pigtail Adapters
- (2) 3M™ Double-Sided Foam Pads

Applications

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

Certifications and Compliances

- UL Listed -UL 2108 (IFRD)

UL LISTED

T 866.811.5550
F 314.972.6202
email: commercial-sales@superbrightleds.com
https://www.superbrightleds.com/cat/complete-led-strip-kits/

[1] Contact customer service for additional options.
[2] Smartphone, Alexa, and Google Assistant compatible

Rev. V2.1 Date: 10/10/2024

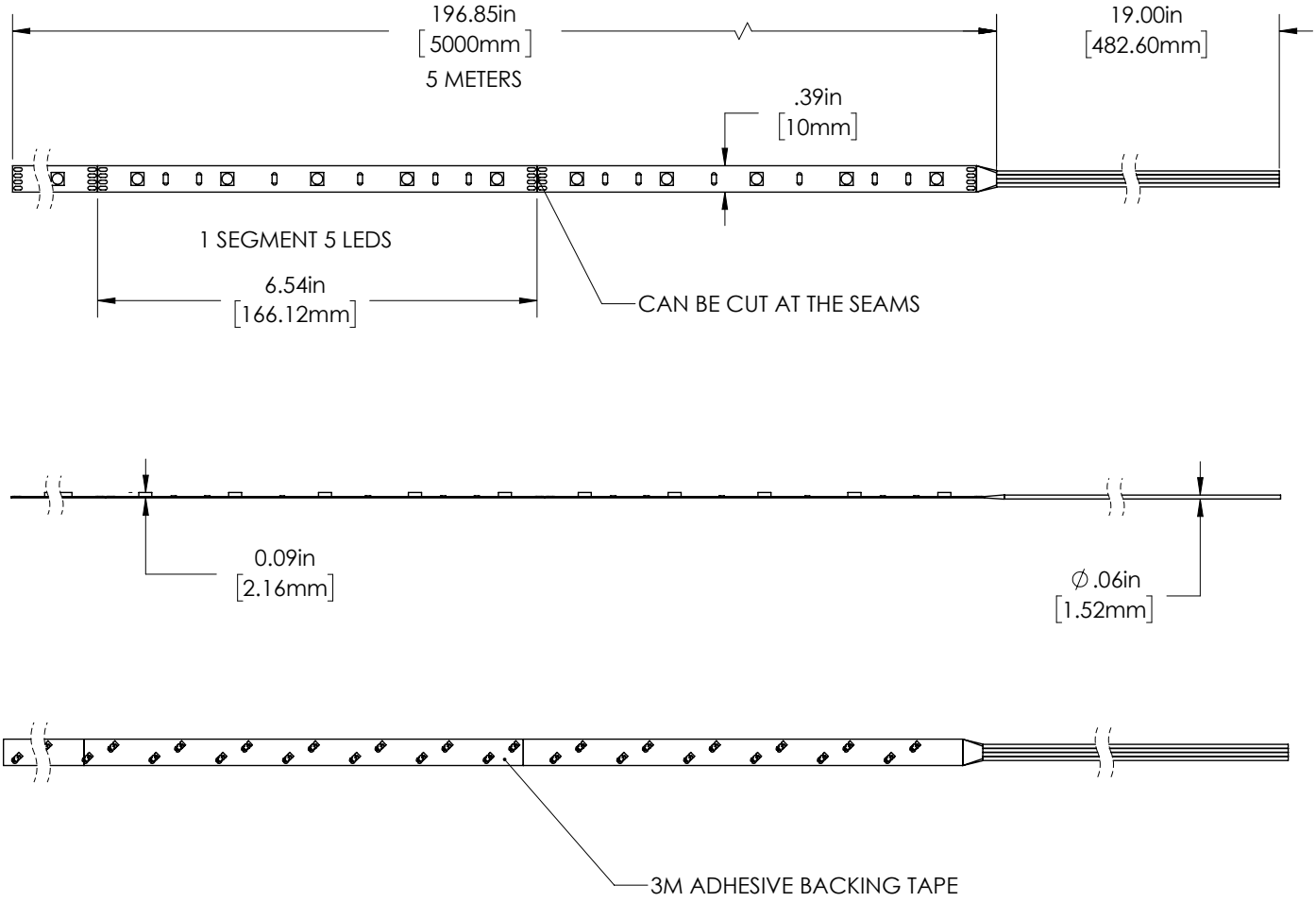
Specifications are subject to change without notice.
Printed in the U.S.A.

STN Series

RGB Color-Changing LED Strip Light Kit Specifications

Dimensional Drawings

LED Strip



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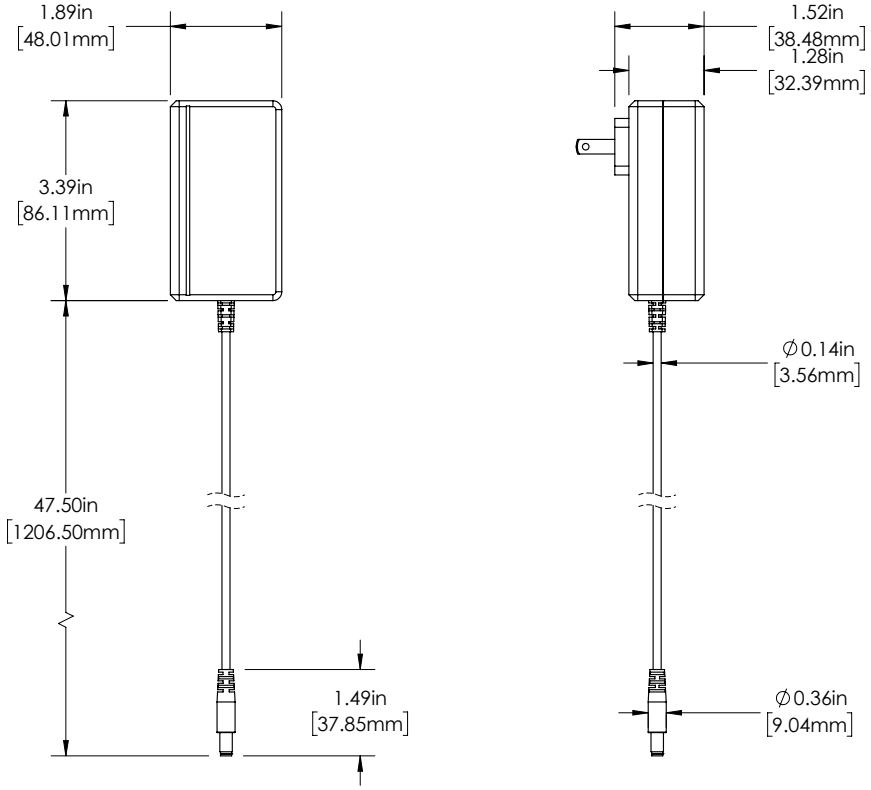
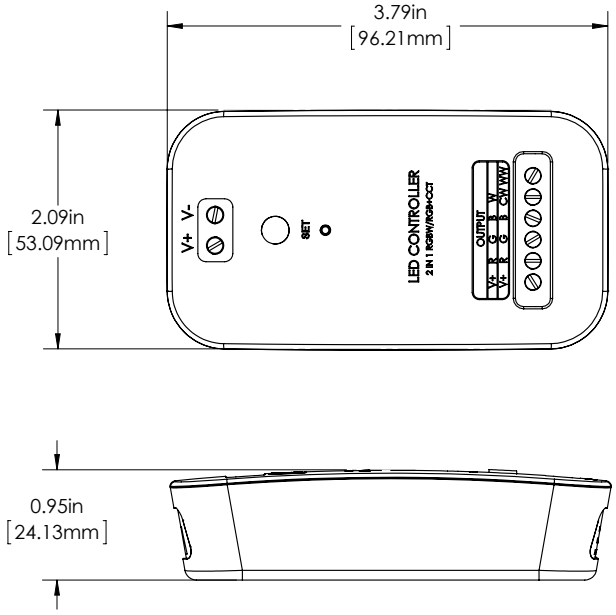
Dimensional Drawings

Power Adapter



Bluetooth LED Controller



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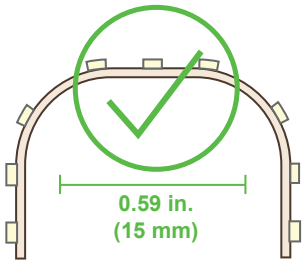
Specifications

Strip Specifications	
Beam Angle	120°
Connection Type	Pigtail
Dimmable	Yes
Input Voltage	24 VDC
IP Rating	IP20
LED Color Options	RGB
LED Density	9 LEDs/ft (30 LEDs/m)
LED Lifetime	50,000 hours
LED Type	5050 SMD
LEDs per Segment	3
Length	16.4 ft (5 m)
Minimum Cut Length	166 mm (6.5 in.)
Standards And Certifications	UL Listed, RoHS Compliant
Strip Width	10 mm (0.39 in.)
Wattage Per Foot	1.9 W/ft (6.3 W/m)
Wattage Total	31 W
Wire Length	508 mm (20 in.)

Controller Specifications	
Input Connection	5.5 mm Barrel Connector
Control Range	Up to 25 m (82 ft)
Input Voltage	9-24 VDC
Output Voltage	9-24 VDC
Rated Current	15 Amps
IP Rating	IP20
Remote Type	Smartphone (Bluetooth)

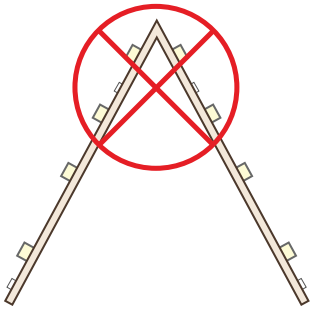
Power Supply Specifications	
Input Connection	1-15P Plug
Input Voltage	120 VAC
Output Connection	5.5 mm Barrel Connector
Output Voltage	24 VDC
Standards And Certifications	UL Listed, FCC, RoHS
Wattage	48 W
IP Rating	IP20
Cord Length	119 cm (47 in.)

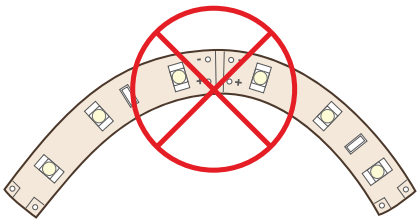
Strip Flexibility



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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