superbrightleds.com

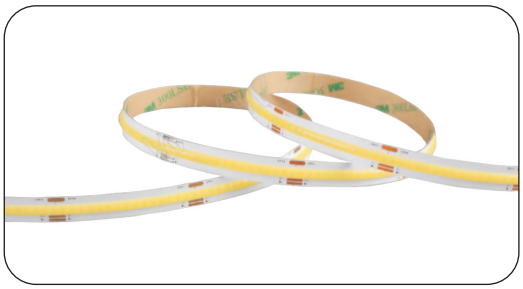
COB Series LED Strip Lights

24 VDC COB LED Strips

Project _____ Date _____

Notes _____

Even-Glow series



Voltage 24 VDC | CRI 90+ | 160° Beam Angle | IP20 | 5yr WARRANTY

Available Models[1]

- ☐ STN-A27K90-O24A-08F5M-24V
- ☐ STN-A30K90-O24A-08F5M-24V
- ☐ STN-A40K90-O24A-08F5M-24V
- ☐ STN-A50K90-O24A-08F5M-24V
- ☐ STN-BRED-O24A-08F5M-24V
- ☐ STN-BGRE-O24A-08F5M-24V
- ☐ STN-BBLU-O24A-08F5M-24V
- ☐ STN-H90-O32A-10Y5M-24V
- ☐ STN-CRGB-O42A-10Z5M-24V
- ☐ STN-D30K90-O28A-12Z5M-24V
- ☐ STN-D40K90-O28A-12Z5M-24V
- ☐ STN-D50K90-O28A-12Z5M-24V
- ☐ STN-F90-O35A-12Z5M-24V

SAMPLE PART NUMBER BREAKDOWN

STN-A27K90-O24A-08F5M-24V

Series	Strip Type	Color/CCT	CRI	LED Type	LEDs/Segment	IP Rating	Strip Width	Density	Length	Voltage
STN	**A**	**27K**	**90**	**O**	**24**	**A**	**8**	**F**	**5M**	**24V**
Non-weatherproof	A: Single White B: Single Color H: CCT C: RGB D: RGBW F: RGBCCT	27K: 2700K 30K: 3000K 40K: 4000K 50K: 5000K RED: Red BLU: Blue RGB: RGB	90+ CRI or blank (N/A)	COB	24: 24 32: 32 42: 42 28: 28 35: 35	IP20	08: 8mm 10: 10mm 12: 12mm	F: 480 LEDs/m Y: 640 LEDs/m Z: 840 LEDs/m	5 meters	24 VDC

Overview

COB LED Strip Lights use chip-on-board technology to create a smooth, seamless line of light. They have a high density of LEDs that produce a continuous linear light without hotspots, ideal for applications on or around reflective surfaces such as granite countertops and tile floors. The single or selectable CCT white COB strips with a high 90+ CRI deliver accurate color rendering ideal for trade shows or retail display applications. Customize the strip using the marked cut segments. Flexible construction and 3M™ adhesive backing make it easy to install on round surfaces and edges.

Features

- COB LEDs create seamless line of light
- High density design - no visible hotspots
- Flexible and cuttable for custom installation
- 3M™ adhesive-backed for easy surface mounting
- 0-100% PWM dimmable

Product Details

- Pigtail connection
- 24 VDC

Certifications and Compliances

- UL Listed - UL 2108
- CE compliant

UL LISTED CE

Applications

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

Warranty

- 5-year warranty

T 866.811.5550
F 314.972.6202
https://www.superbrightleds.com
email: commercial-sales@superbrightleds.com

[1]Contact customer service if interested in other options.

Rev. V2.0 Date: 03/20/2025

Specifications are subject to change without notice.

COB Series LED Strip Lights

24 VDC COB LED Strips

Specifications

Model	STN-AxK90-O24A-08F5M-24V	STN-Bx-O24A-08F5M-24V	STN-H90-032A-10Y5M-24V
Wattage	2.4 W/ft		4.6 W/ft
Current Draw	102 mA/ft		191 mA/ft
Max Run	24.6 ft (7.5 m)		19.7ft (6m)
Minimum Cut Length	1.97in. (50mm)		
CCT/Color	2700, 3000K, 4000K, or 5000K	Red, Blue, or Green	2700K-6500K
Lumens per Foot	220, 232, 244, or 244	–	Up to 457 lm/ft
CRI	90+	–	90+
LED Density	146 LEDs/ft (480 LEDs/m)		195 LEDs/ft (640 LEDs/m)

Model	STN-CRGB-O42A-10Z5M-24V	STN-DxK90-O28A-12Z5M-24V	STN-F90-O35A-12Z5M-24V
Wattage	4.6 W/ft	5.5 W/ft	
Current Draw	191 mA/ft	229 mA/ft	
Max Run	19.7ft (6m)	16.4ft (5m)	
Minimum Cut Length	1.97in. (50mm)	1.31in. (33.3mm)	1.64in. (41.65mm)
CCT/Color	RGB	RGB+3000K, 4000K, or 5000K	RGB+ 2700K-6500K
Lumens	–	461, 483, or 483 lm/ft	Up to 477 lm/ft
CRI	–	90+	
LED Density	256 LEDs/ft (840 LEDs/m)		

Series	
Operating Voltage	24 VDC
Dimmer Type	PWM
Beam Angle	160°
IP Rating	IP20
Environmental Rating	Non-weatherproof, Suitable for Dry Locations
Storage Temperature	-20 to 60°C (-4 to 140°F)
LED Lifetime	36000 hours
Ambient Operating Temperature	-20 to 45°C (-4 to 113°F)

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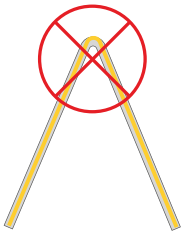
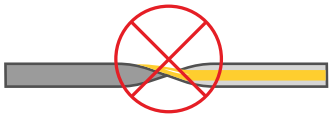
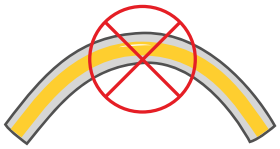
Strip Flexibility



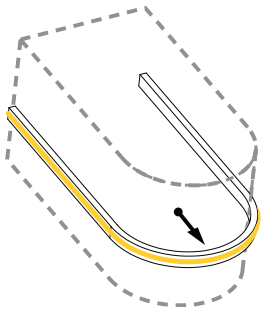
Bending strips at sharp angles will damage circuit traces and void warranty.



Twisting strips will damage circuit traces and void warranty.

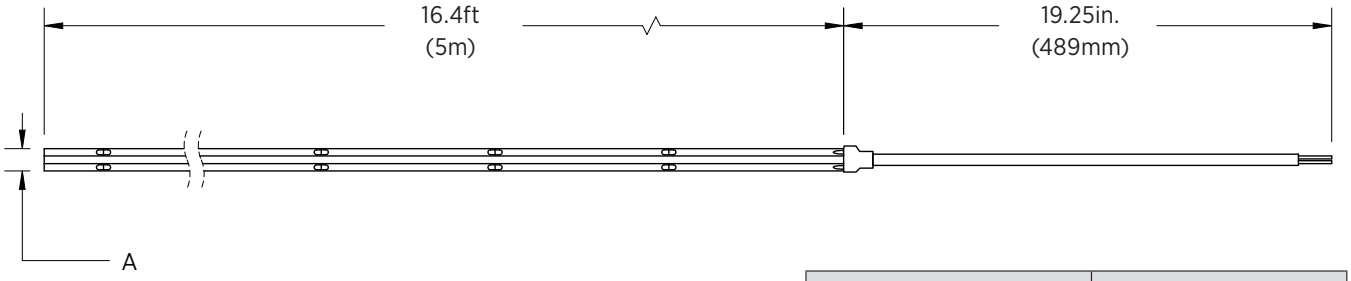


Bending strips on horizontal plane will damage circuit traces and void warranty.



Minimum bending radius ≥ 1.97in. [50mm]

Dimensions



Model	A
STN-x-0x-08x5M-24V	0.31in. [8mm]
STN-x-0x-10x5M-24V	0.39in. [10mm]
STN-x-0x-12x5M-24V	0.47in. [12mm]

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