

## 120VAC Neon

Top or Side Bend



Top Bend



Side Bend



## Features

The FSACN is a uniform, dot-free, 120VAC flexible neon strip with 4.2 watts per foot and available in a Top Bend or Side Bend version. The maximum run length is 164 feet. Our Neon AC Series contains a DOB, with an on-board constant current smart IC driver and rectifier (providing protection from over-voltage, over-current and overheating), direct AC power supply without external driver, and supports hot plug operation.

Environmentally-friendly extruded silicone with high grade appearance, soft bend flexibility, strong impact resistant and high weather resistance.

Customized lengths available using 4" increments.

IP65 rated, and suitable for indoor and outdoor use.

LED lifespan 50,000 hours, ETL listed for outdoor application.

3 year warranty for outdoor applications, 5 year warranty for indoor applications.

## Application

The FSACN is perfect for cove lighting, outlining spaces, architectural applications, and landscape lighting.

This versatile flexible strip can be used in retail spaces, offices, multifamily, and any other space where consistent, even illumination is required.



## General Parameters

Port No.	Style	Dimension	Mox. Length (la)	Strip Increment	LED type	LED QTY	IP Rating	Operating Ambient	Lifespan
FSACN-T-xxK-120	Top-Bend Silicone Extrusion	W0.83xH0.59in.	164 ft.	[4in.]	SMD2835/ 3 Step 1 Bin	36LED/ft.	IP65 outdoor	Ta: -4 - 113F	170 @50,000h(indoor) 170@36,000h(outdoor)
FSACN-S-xxK-120	Side-Bend Silicone Extrusion	W0.39xH0.79in.		[4in.]		24LED/ft.			

## Photoelectric Parameters

Port No.	Operating Voltage	Power ±10%	Power Factor	Percent Flicker	Finished Product CCT/ Wavelength	CRI80, 4000K		CRI90, 4000K		Beam Angle
						Luminous flux±10%	Light Efficiency	Luminous flux±10%	Light Efficiency	
FSACN-T-xxK-120	120VAC (110-120VAC)	4.2W/ft.	>0.9	Less than 0.5%	2700K±120K	268lm/ft.	63lm/W	229lm/ft.	54lm/W	120°
FSACN-S-xxK-120					3000K±150K					

Note:

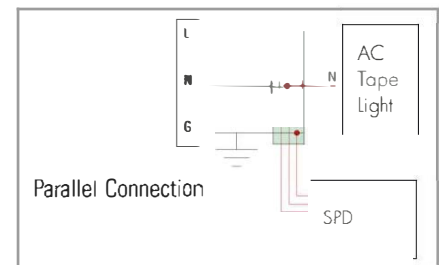
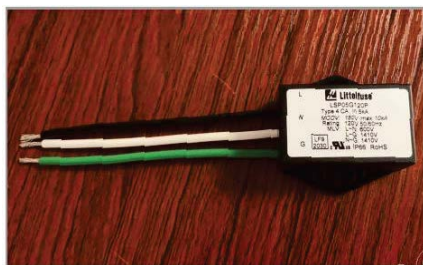
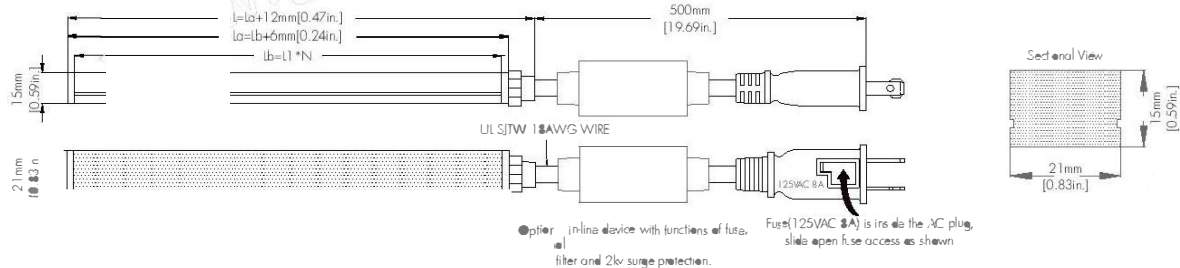
- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000K/3500K is 5% lower, for CCT 5000K/6500K is the same (compared with 4000K).
- (2) Self-cooling ensures additional heat sink is not mandatory.
- (3) Replace fuse only with 8 Amp, 125 Volt fuse.

## Dimension / Diagram (Top-Bend)

L: Total length  
Lb: Illumination surface length  
N: Number such as 1,2,3,4,5,6,7,8,9,10,11,12

La: length of LED strip light  
L1: Minimum unit length

Power cable fed on top way



## Ordering Information

Example: FSACN-NFF-T-35K-24in-120

Part No.	Watts/ft		Color Temp		Length		Voltage	
<b>FSACN</b>	<b>T</b>	Top Bend	<b>27</b>	2700k	<b>CU</b>	Custom Length (6" increments)	<b>120</b>	120VAC
			<b>30</b>	3000k				
	<b>S</b>	Side Bend	<b>35</b>	3500k				
			<b>40</b>	4000k				
			<b>50</b>	5000k				
				<b>164</b>	164' (Max Run)			

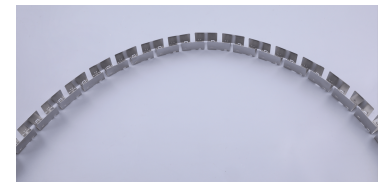


### TOP BEND ACCESSORIES

- FSACN-T-RCSP** Rear Power Feed with Plug
- FSACN-T-BCSP** Bottom Power Feed with Plug
- FSACN-T-RPF** Rear Power Feed, Hardwire
- FSACN-T-BPF** Bottom Power Feed, Hardwire
  
- FSACN-T-MBRKT** Brackets with Screws (2 pieces)
- FSACN-T-MCLIPS** Clips with Screws (2 pieces)
  
- FSACN-T-CHANNEL** 39" Aluminum Channel (w/screws)
- FSACN-S-FLEX** 39" Bendable Aluminum Profile (w/screws)

### SIDE BEND ACCESSORIES

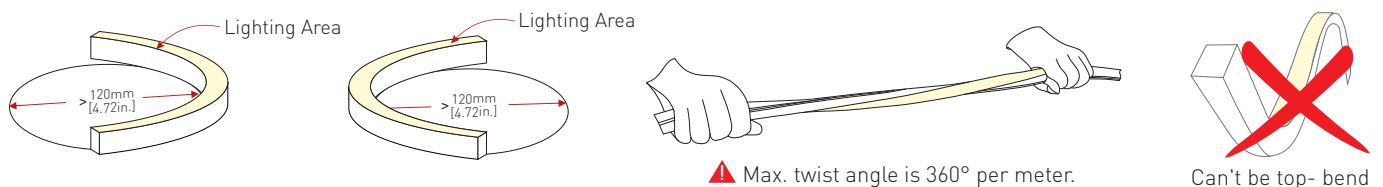
- FSACN-S-RCSP** Rear Power Feed with Plug
- FSACN-S-BCSP** Bottom Power Feed with Plug
- FSACN-S-RPF** Rear Power Feed, Hardwire
- FSACN-S-BPF** Bottom Power Feed, Hardwire
  
- FSACN-S-MBRKT** Brackets with Screws (2 pieces)
- FSACN-S-MCLIPS** Clips with Screws (2 pieces)
  
- FSACN-S-CHANNEL** 39" Aluminum Channel (w/screws)
- FSACN-S-FLEX** 39" Bendable Aluminum Profile (w/screws)



## Top Bend



## Side Bend



## Installation (Top-Bend)

Option 1: Fixed by bracket + screw

Option 2: Fixed by clip + screw

Option 3: Fixed by bendable bracket + screw

Option 4: Fixed by aluminum channel + clip (outdoor exclusive)

Installation (Side-Bend)

Option 1: Fixed by bracket + screw

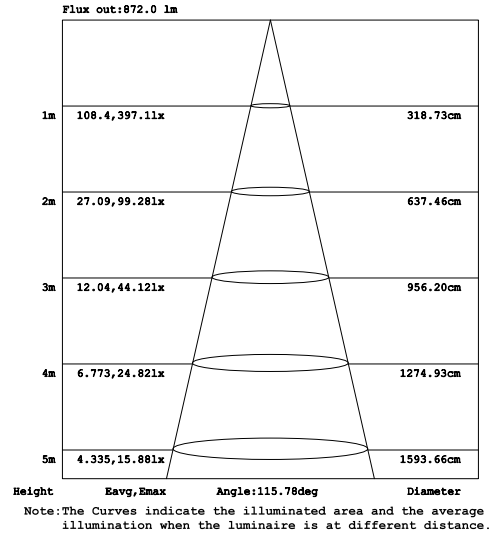
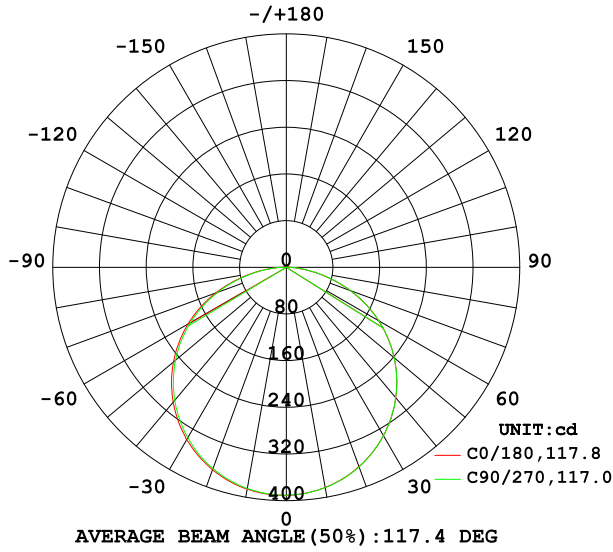
Option 2: Fixed by clip + screw

Option 3: Fixed by bendable bracket.

Option 4: Fixed by aluminum channel + screw

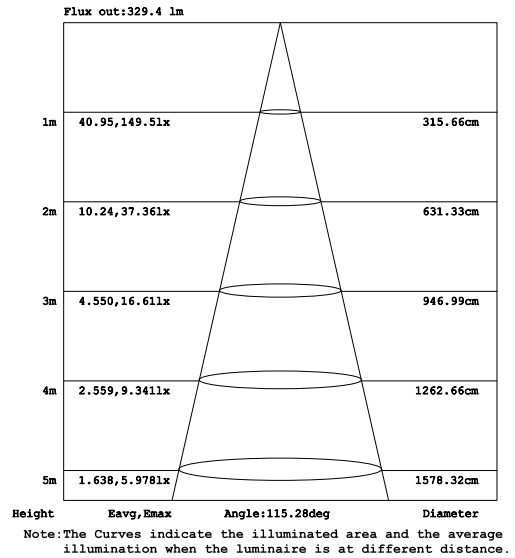
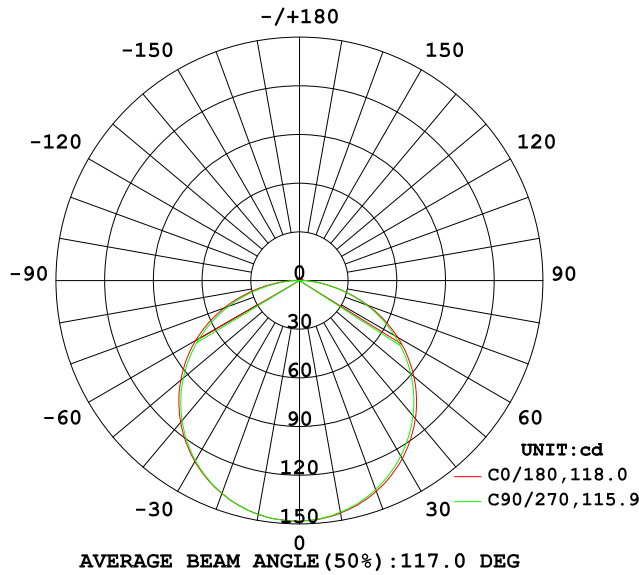
## Light Distribution Diagram

CRI80, 5000K, Side Bend



## Light Distribution Diagram

CRI80, 5000K, Top Bend



### Caution

