

**Description**

NFSB Series flexible neon strip lights add the striking look of neon lighting with improved safety and efficiency over traditional glass tube neon. These side bend strips offer continuous “line of light” illumination in single color (red, green, blue) or white (warm, natural, cool). The shatterproof IP65 waterproof construction makes them ideal for use outdoors and in wet locations. Each strip includes a straight power cable with a screw connector and a pigtail connector to wire a 24VDC power supply.

**Construction/Mechanical**

- 10 mm side bend silicone LED strip light
- 1.97 in. (50 mm) segment length
- Impact and UV resistant
- IP65 waterproof rated

**Electrical**

- 24 VDC input
- PWM dimming
- 50,000 hour LED lifetime

**Photometrics**

- 120° beam angle
- Multiple color/CCT options:  
Single color red, green, blue,  
2700K, 4000K, or 6500K



**Available Models<sup>1</sup>**

Single CCT White

- NFSB-27K5M
- NFSB-40K5M
- NFSB-65K5M

Single Color RGB

- NFSB-R5M
- NFSB-G5M
- NFSB-B5M

**Part Number Breakdown**

Example: NFSB-40K5M

Series	CCT/Color		Length
NFSB [Neon Flex Side Bend]	27K [2700K]	R [Red]	5M [16.4 ft / 5 m]
	40K [4000K]	G [Green]	
	65K [6500K]	B [Blue]	

**Applications**

Some typical applications include lighting for bathrooms, decks, paths, patios, retail shops, cove lighting, accent lighting, and sign lighting. The waterproof neon strip lights are ideal for commercial and residential applications.

**Certifications and Compliances**

- UL Listed - UL 2108 (IFDR)



**Warranty**

- Five (5) years



<sup>1</sup>Contact customer service if interested in options other than those listed.

# NFSB Series

## Side Bend LED Neon Strip Light Specifications

### Optional Accessories

#### Mounting

- NFSB-C1 - 1 m Rigid Aluminum Channel Kit
- NFSB-AC5-1M - 1 m Flexible Aluminum Channel
- NFSB-EC - End Cap
- NFSB-UB - Bottom Mounting Brackets (2x)
- NFSB-UC - Top Mounting Brackets (2x)

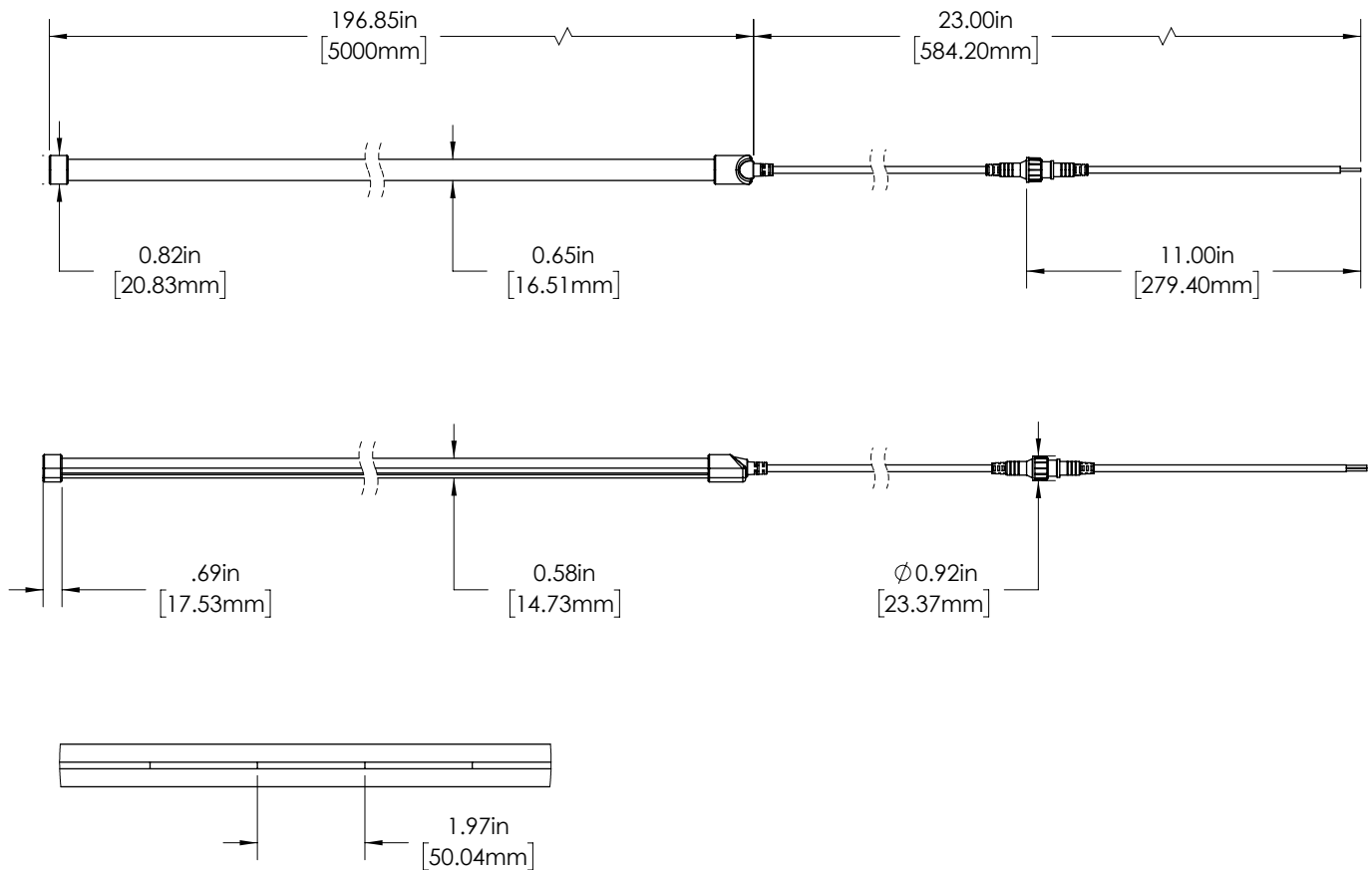
#### Connectors

- NFSB-CONN - Butt Connector
- NFSB-SJ1 - Straight Interconnect Cable (1 ft)
- NFSB-BJ1 - Bottom Wire Entry Interconnect Cable (1 ft)
- NFSB-SJ4 - Straight Interconnect Cable (4 ft)
- NFSB-BJ4 - Bottom Wire Entry Interconnect Cable (4 ft)
- NFSB-SJ8 - Straight Interconnect Cable (8 ft)
- NFSB-BJ8 - Bottom Wire Entry Interconnect Cable (8 ft)

#### Power Cords

- NFXB-PT30 - Pigtail Power Connector (1 ft)
- NFSB-BS30 - 90° Bottom Power Cable Connector (1 ft)
- NFSB-ES30 - 90° Side Power Cable Connector (1 ft)
- NFSB-TS30 - Straight Power Cable Connector (1 ft)

### Dimensional Drawing



CAN BE CUT AT THE INDICATED CUT MARKS



# NFSB Series

## Side Bend LED Neon Strip Light Specifications

### Specifications

Model	NFSB-27K5M	NFSB-40K5M	NFSB-65K5M
CCT	2700K	4000K	6500K
Power Consumption	70 W		
Wattage per Foot	4.3 W/ft		
Current Draw	2.9 A		
Current Draw per Foot	177 mA/ft		
Max Run (Class 2)	Up to 16.4ft (5m)		
Model	NFSB-R5M	NFSB-G5M	NFSB-B5M
Color	Red	Green	Blue
Power Consumption	45 W		
Wattage per Foot	2.7 W/ft		
Current Draw	1.9 A		
Current Draw per Foot	115 mA/ft		
Max Run (Class 2)	Up to 32.8 ft (10 m)		
Series			
Input Voltage	24 VDC		
Brightness	Up to 183 lm/ft (600 lm/m)		
Light Length	16.4 ft (5 m)		
Strip Width	10 mm (0.39 in.)		
LED Density	36 LEDs/ft		
Minimum Cut Length	1.97 in. (50 mm)		
Beam Angle	120°		
Dimming	PWM		
IP Rating	IP65 waterproof		
Environmental Rating	Suitable for wet locations		
LED Lifetime	50,000 hours		
Ambient Operation Temperature	-4°-113° F (-20°-45° C)		

