



Neon Flex RGB LED – Slim Series

## NF-SBD-24V-5M-4X8MM-XXK-IP54

### Feature

- Ultra-slim design with excellent bending flexibility
- Flush-mount support for furniture grooves
- Uniform, dot-free lighting up to 5 m (16.4 ft) per run
- Cutable to any length
- IP54 rated for indoor use
- PWM dimmable
- Durable PVC sheathing with advanced silicone extrusion technology
- High brightness, soft light, strong flexibility, impact and weather resistance
- Long lifespan up to 50,000 hours
- 5-year warranty

### Applications

- Indoor furniture decorative lighting



## Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	CRI	Increment	Max Run	IP Rating	Beam Angle
NF-SBD-24V-5M-4X8MM-27K-IP54	5000*4*8.5mm	27K	SMD (Side Bend)	24Vdc	9W/m	180lm/m	Ra≥90	Free Cut	5m	IP54	120°
NF-SBD-24V-5M-4X8MM-30K-IP54	5000*4*8.5mm	30K	SMD (Side Bend)	24Vdc	9W/m	184lm/m	Ra≥90	Free Cut	5m	IP54	120°
NF-SBD-24V-5M-4X8MM-40K-IP54	5000*4*8.5mm	40K	SMD (Side Bend)	24Vdc	9W/m	200lm/m	Ra≥90	Free Cut	5m	IP54	120°
NF-SBD-24V-5M-4X8MM-50K-IP54	5000*4*8.5mm	50K	SMD (Side Bend)	24Vdc	9W/m	196lm/m	Ra≥90	Free Cut	5m	IP54	120°
NF-SBD-24V-5M-4X8MM-60K-IP54	5000*4*8.5mm	60K	SMD (Side Bend)	24Vdc	9W/m	196lm/m	Ra≥90	Free Cut	5m	IP54	120°



## Parameters

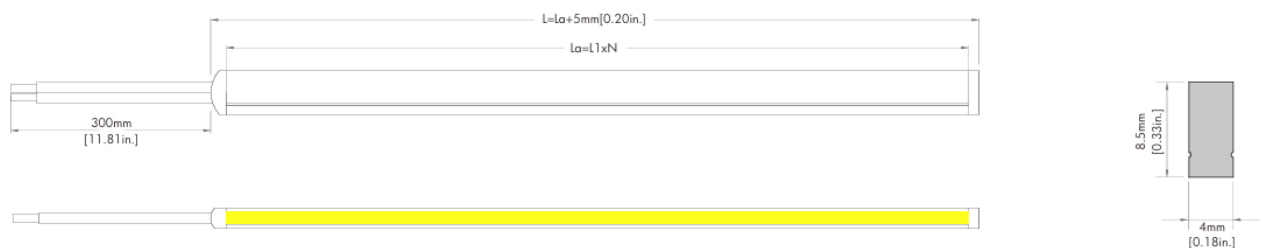
Style	Dimension	Max. Run Length (La) & Max. Shipping Length	Increment (L1)	LED Type	LED QTY	IP Rating	Operating Ambient	Lifespan	Warranty
Side-Bend (White)	W4xH8.5mm [W0.16xH0.33in.]	3M [9.84ft.] @12VDC 5M [16.4ft.] @24VDC & 30M [98.42ft.]	Free cut to be any length	SMD 2216	240LED/M [73LED/ft.]	IP54 [Damp] (indoor)	Ta: -20~45°C [-4~113°F]	50,000h (White) (L70@ Tc≤65°C[149°F], Tc is the temp. of LED pin.)	5 years (White)
	W6xH8.5mm [W0.24xH0.33in.]								
	W6xH8.5mm [W0.24xH0.33in.]	5M [16.4ft.] & 30M [98.42ft.]							

Style	Power ±10%	Operating Voltage	Finished Product CCT/ Wavelength	CRI80, 4000K		CRI90, 4000K		Beam Angle
				Luminous Flux±10%	Light Efficiency	Luminous Flux±10%	Light Efficiency	
Side-Bend (White)	9W/M [2.74W/ft.]	12VDC / 24VDC	2700K±120K 3000K±150K 3500K±300K 4000K±300K 5000K±400K 6000K±500K (LED is 3-step SDCM in one bin)	\	\	200lm/M [61lm/ft.]	22lm/W	120°
		24VDC		\	\	315lm/M [96lm/ft.]	35lm/W	145°

### Note:

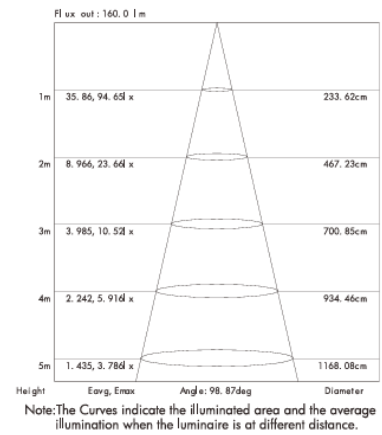
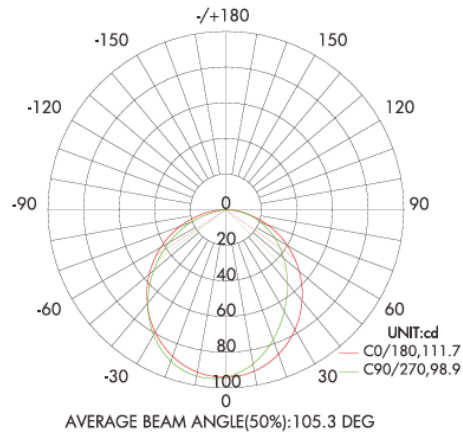
- (1) Luminous flux for CCT 2700K is 10% lower, for CCT 3000K is 8% lower, for CCT 3500K is 3% lower, for CCT 5000K/6000K is 2% lower, compared with 4000K.
- (2) The Max. Length (La) is defined as power fed on one side.
- (3) The power of the strip needs to be reduced to 6W/M[1.82W/ft.]@White and 8W/M[2.44W/ft.]@CCT/RGB for operating ambient temperature in -20~55°C[-4~131°F].
- (4) The standard packing length is fixed by default per reel without installation accessories; customized packing length is required to be evaluated.
- (5) Installation accessories pack should be ordered separately according to specific case.

## Dimensions Diagram





## Spectroscopic Data



## Document Revision

Revision	Description	Date	Author	Approver
1.0	Initial release	07 January 2026	Jesse Jankelowitz	Michael Xu