

Neon Flex LED – Angled Series

NF-ANG-24V-14X6MM-4000K

Feature

- Asymmetric light distribution with triangular, flat-profile design
- Available in white or black housing to suit installation needs
- Field-processable to any length with free-cutting capability
- Uniform, dot-free, and smooth illumination up to 5 m (16.4 ft)
- PWM signal dimmable
- Environmentally friendly silicone construction
- Soft, flexible bend with strong impact and high weather resistance
- IP54-rated for indoor protection
- 50,000-hour LED lifespan
- 5-year warranty
- CE and UL approved



Applications

- Furniture lighting
- Cabinet lighting
- Display and showcase lighting

Specification

Part No.	Dimension	Colour	Style	Voltage	Power	Brightness	CRI	Increment	Max Run	IP Rating	Beam Angle
NF-ANG-24V-14X6MM-4000K (White Jacket)	5000*14.4*6mm	4000k	SMD (Top Bend)	24Vdc	12W/m	810lm/m	Ra≥90	Free-cutting	5m	IP54	120°
NF-ANG-24V-14X6MM-4000K (Black Jacket)	5000*14.4*6mm	4000k	SMD (Top Bend)	24Vdc	12W/m	760lm/m	Ra≥90	Free-cutting	5m	IP54	120°

Parameters

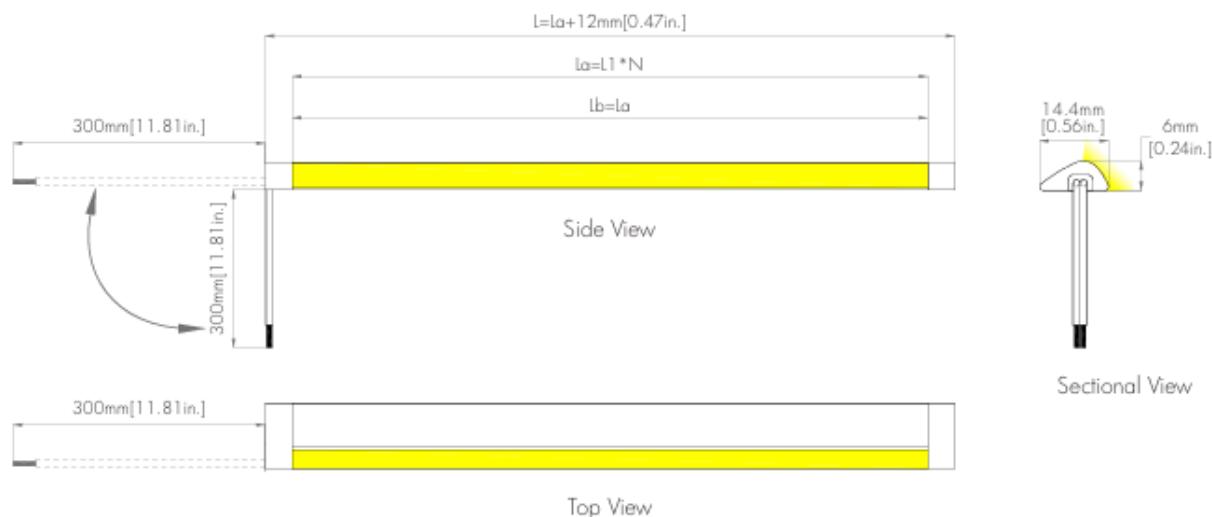
Style	Dimension	Max. Run Length & Max. Shipping Length	Increment	LED Type	LED QTY	IP&IK Rating	Operating Ambient	Lifespan	Warranty
Top-Bend (White) White Jacket									
Top-Bend (White) Black Jacket	W14.4*H6mm [W0.57*H0.24in.]	5M [16.4ft.] & 50M [164ft.]	Free-cutting to be any length	SMD 2216	300LED/M [91LED/ft.]	IP54 [Wat] & IK04	Ta: -20~45°C Tc: -4~113°F	50,000h (L70@ Tc≤65°C[149°F], Tc is the temp. of LED pin.)	5 years

Style	Power (Max.)	Operating Voltage	Finished Product CCT/Wavelength	CRI80 4000K		CRI90 4000K		Beam Angle
				Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	Luminous Flux±10%	
Top-Bend (White) White Jacket	12W/M [3.66W/ft.]	DC24V	2700K±120K 3000K±150K 3500K±300K 4000K±300K 5000K±400K 6000K±500K (LED is 3-step SDCM in one bin)	\	\	810lm/M [247lm/ft.]	68lm/W	120° (asymmetric 30°)
Top-Bend (White) Black Jacket				\	\	760lm/M [232lm/ft.]	63lm/W	

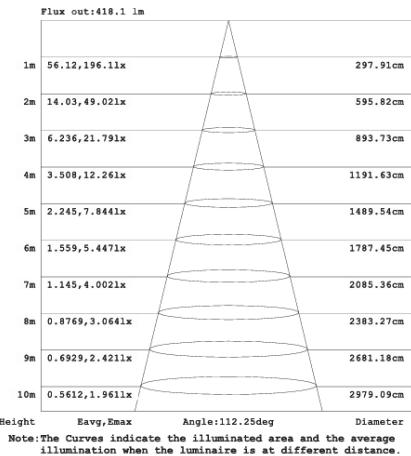
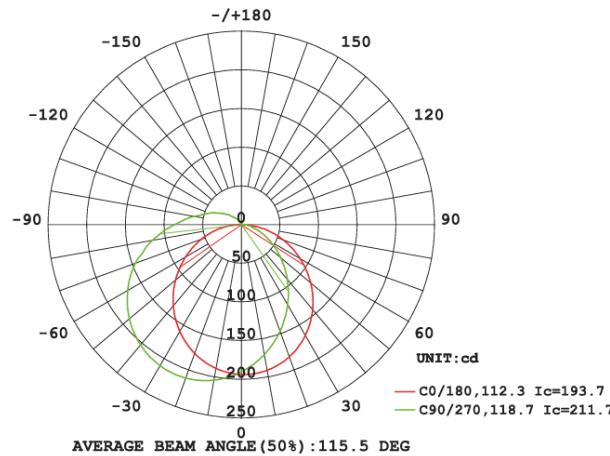
Note:

- (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 8W/M[2.44W/ft.]@White&CCT 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



3000K CRI90

Document Revision

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