

Specification

For LED Neon Flex



CE

FC

IP67

RoHS

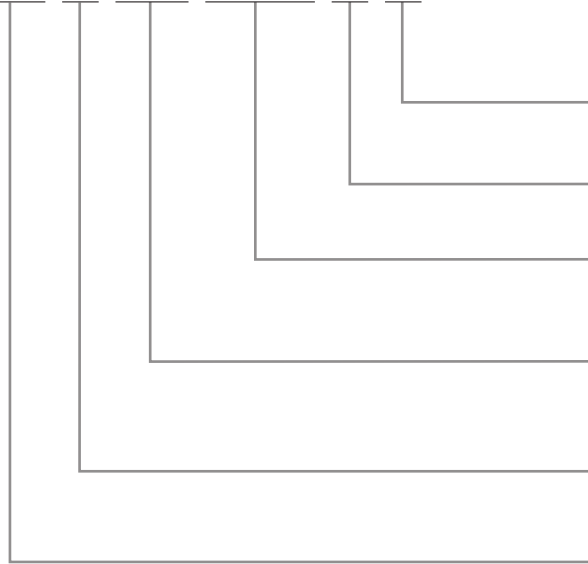


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1. Product Naming Convention

XX-X-XX-XXX-X-X



Special code: Distinguish neon dimensions, factory definition.

Working voltage: 5V (A) , 12V (B) , 24V (C) , 36V

LED Quantity/Meter: 70LED (070) , 120LED (120) 140 (140)

Color/CCT: White (00-99) , WW-CW (TW) , RGB (RG) RGBW (RW) , Red (RE) , Green (GR) , Blue (BL), Yellow (YE) , Pink (PI) , Orange (OR) , Violet (UV)

LED Type: 2110 (A) , 2216 (B) , 2835 (C) , 3014(D) 3535 (G), 5050 (H)

Neon Series: Basics Series (NH) , profession Series (NF)

For Example: NF-C27140C-C

Profession Neon 2835 2700K 140LEDS/m DC24V

2. Product Information

2.1. Introduction

Flexible LED Neon Strip with wide beam angle and high output lumen.

So, it is wonderfully suitable for uniform linear lighting of every room.

Even for those who want to let their creativity run wild with strips, our Flexible LED Neon Strip is suitable as well.

High color rendering and high flexibility give you a plenty of scope and bring art to your wall with light. Simply bend the Flexible LED Neon Strip into the desired shape and attach it to your wall with accessories.

2.2. Product Features

- (1). High quality and high brightness SMD LED chip.
- (2). Variety of monochromatic lights for option including Red, Green, Blue, Yellow, Pink, Orange, Violet and whitelight.
- (3). Flat profile, good choice for recessed mounting.
- (4). Environmentally friendly & energy efficient.
- (5). High color consistency & smooth illumination With invisible light dots.
- (6). Perfect softness, gentle emitting, Not dazzling.
- (7). 3-5 years warranty.

2.3. Areas of application

- (1). Outdoor or Indoor Contour/Border Lighting.
- (2). Architectural Outline/Decorative Lighting.
- (3). Cove/Accent Lighting.
- (4). Facade/Floor Lighting.
- (5). Signage/Guide Lighting.



Flame Resistant



IP67 Protection



Saltwater Resistant



Solvents Resistant



UV Resistant



IK08 Protection



3 YEAR Warranty



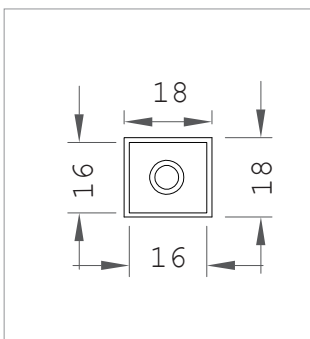
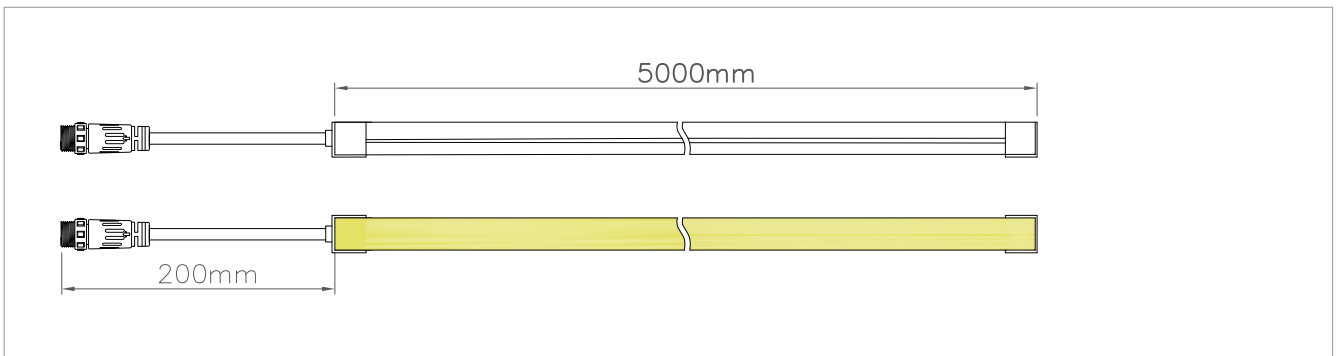
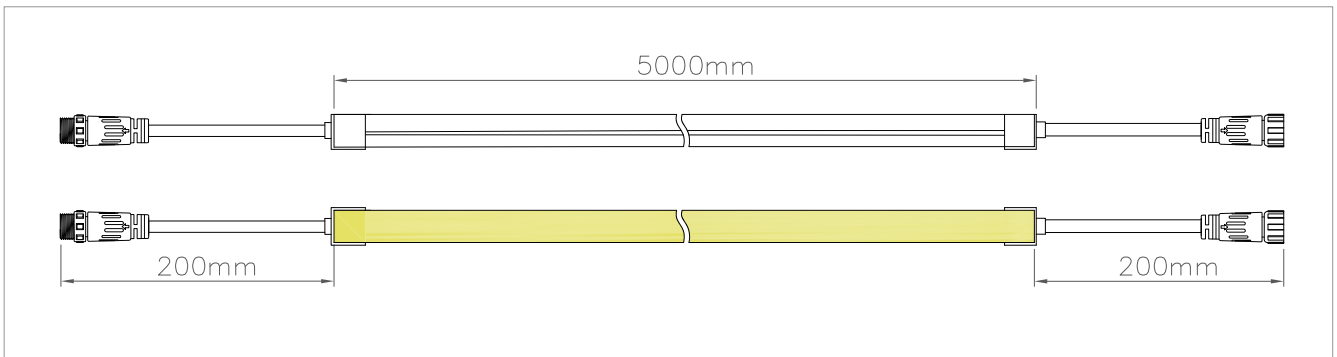
Operating Temperature
-40°C to +50°C



Storage Temperature
-40°C to +60°C

3. Specifications & Parameters

3.1 Measurement (Unit:mm)



3.2 Electrical Data

Model No.	Voltage	Current	Power (W/M)	IP	Unit Length (mm)	FPC Width (mm)	Strip Width (mm)	Height (mm)
NH-C30140C-NS	DC24V	0.5A	12.0	IP67	50	8	16	16

3.3 Spectrum Data

Model No.	CCT	Lumens (lm/M)	CRI	LED Type	LEDs/M	Beam Angle	Standard Packing	Weight (g/5M)
NF-C30140C-NS	3000K	680	90	2835	140	120°	5M/Roll	1910

4. Cable Entry



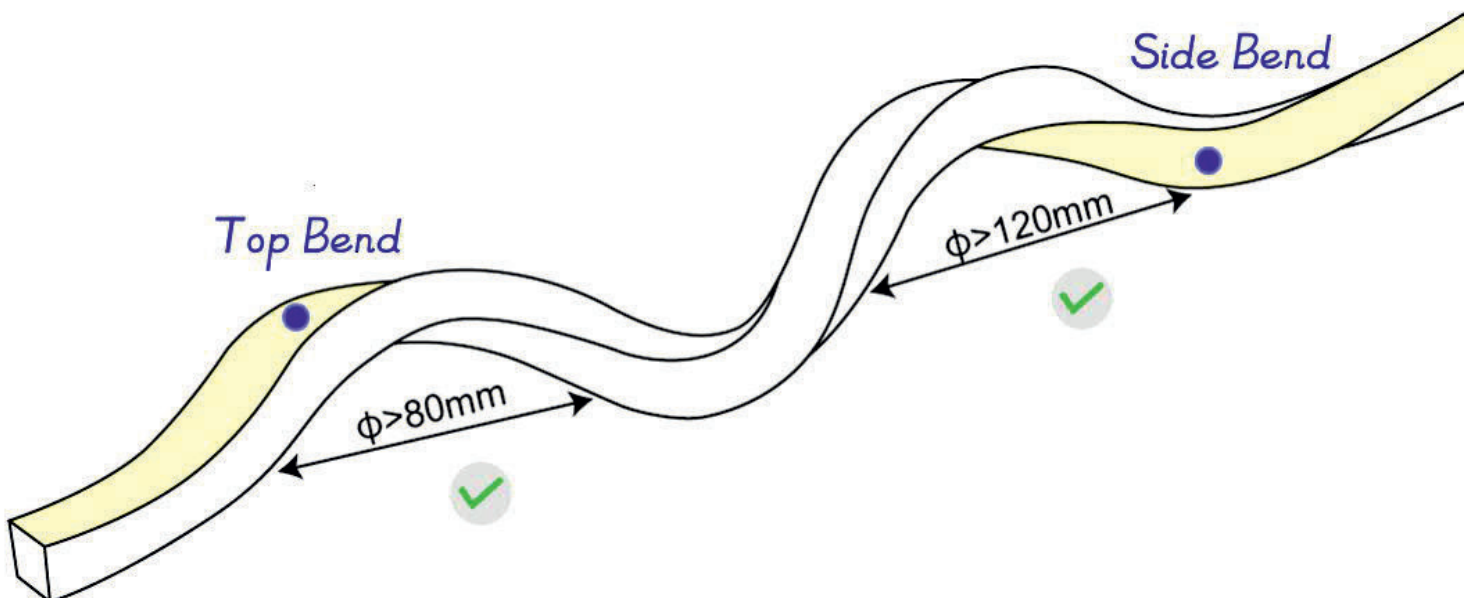
Side right/left

Bottom

Top end

End Cap

5. Bending Angle



6. Mounting Profile



Spring Clip Aluminum Profile

Item NO: JA0038

Dimension : 1000*18.9*17.5mm

Material : 6063 Aluminum



Since the card lock buckle

Item NO: JK0005

Dimension: 40*18.9*17.5mm

Material : 6063 Aluminum



Bendable Stainless Steel Profile

Item NO: JL0004

Dimension: 1000*17.3*16.44mm

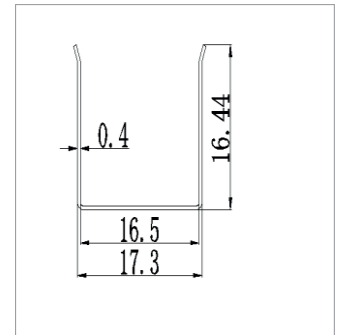
Material: 304 Stainless steel



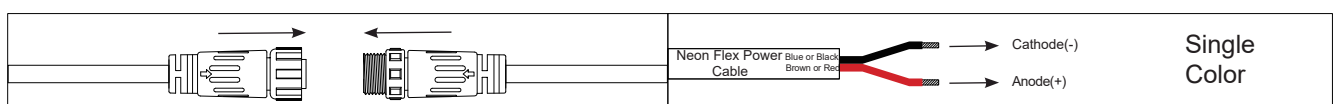
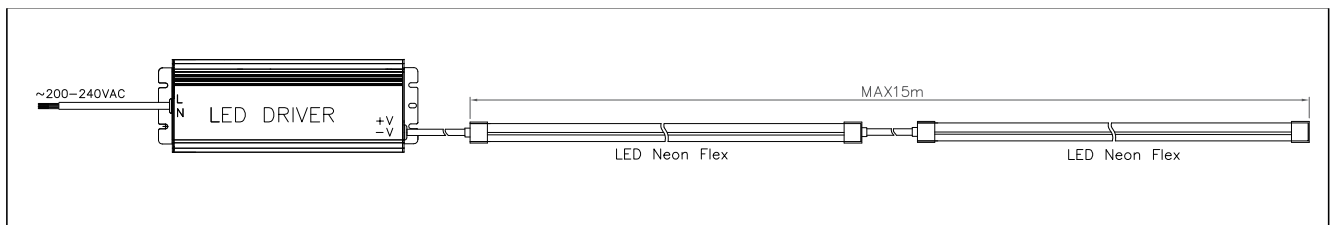
Stainless steel buckle Item NO:JK0019

Dimension: 20*16.8*8.5mm

Material: 304 Stainless steel



7. Connection Methods



8. Packaging



5meter/roll



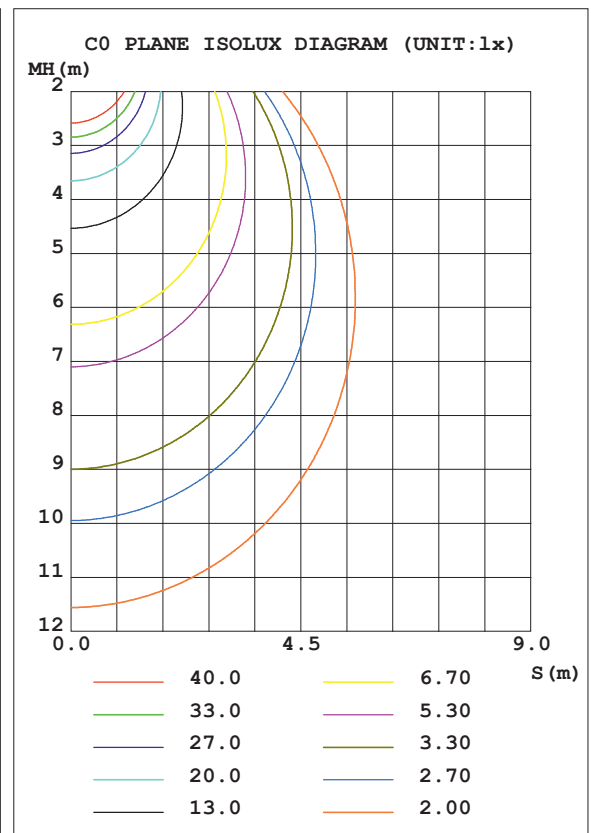
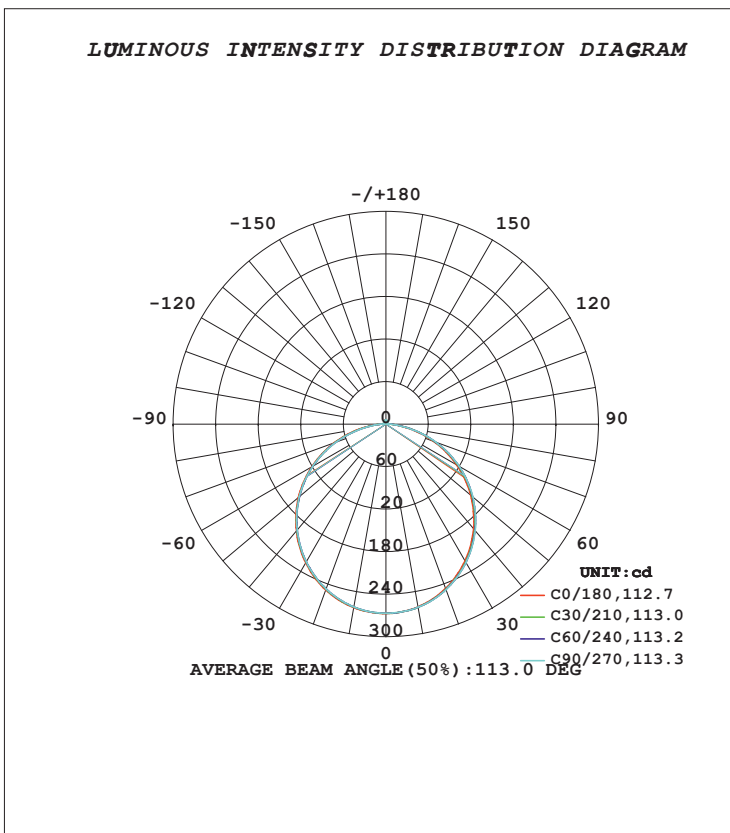
1roll/box-size: 390*390*26mm



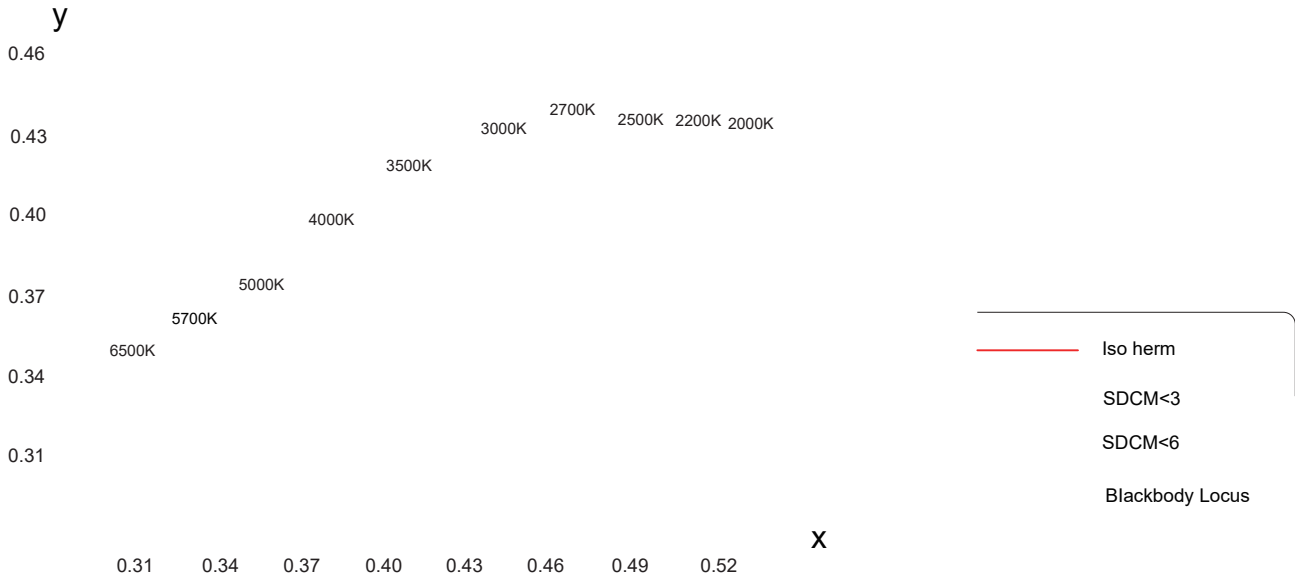
15 box-size:420*400*400mm

9. Appendix

9.1 Luminaire Photometric Data



9.2 (X,Y) Chromaticity Diagram



9.3 Illuminance-Distance Diagram

Flux out: 565.5 lm

1m	75.92, 267.21x	300.34cm
2m	18.98, 66.801x	600.67cm
3m	8.435, 29.691x	901.01cm
4m	4.745, 16.701x	1201.35cm
5m	3.037, 10.691x	1501.69cm
6m	2.109, 7.4221x	1802.02cm
7m	1.549, 5.4531x	2102.36cm
8m	1.186, 4.1751x	2402.70cm
9m	0.9373, 3.2991x	2703.04cm
10m	0.7592, 2.6721x	3003.37cm

Height Eavg, Emax Angle: 112.68deg Diameter

Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

9.4 Reliability test

Photometric Testing	Spectrum Analysis	IES LM79 (Lumen, CCT, CR, XY, SDCM, wave length)
	Photometric Distribution	IES LM79 (Lumen intensity distribution Photometric Distribution and lux diagram)
Temperature Rise Testing	Normal Temperature Test	UL 2018:2015 Ed.2+R:30 May 2017
	Abnormal Operation	CSA C22.2#90:1996 Ed.1+S1
Mechanics & Physics Testing	Bending Test	Manufacturer-defined
	Swing Test	Manufacturer-defined
	Tensile Test	Manufacturer-defined
	Twist Test	Manufacturer-defined
	Stickiness Test	Manufacturer-defined
Weathering Testing	Swimming Pool Water Immersion Test	GB9 667, PH6.8-7.6, free chlorine 03-06mg/L
	Sea Water Immersion Test	IEC60598-1. Salinity 4%
	Salt Spray Test	IEC68-2-11
	Outdoor Exposure	Manufacturer-defined
Endurance & Thermal Test	High Temperature and High Humidity Test	Manufacturer-defined temp. 70°C Humidity: 85%RH, 1000hrs
	Thermal Shock Test	Manufacturer-defined @ test temperature -40°C ~ +120°C, 30min/cycle, 100cycles
	Cold Resistance Test	Manufacturer-defined Temp. -40°C, 1000hrs
	Polarity Protection Test	Manufacturer-defined, reverse positive pole and negative pole