

EASTFINE

Specification

For LED Neon Flex



UK
CA



RoHS



CE

IP68

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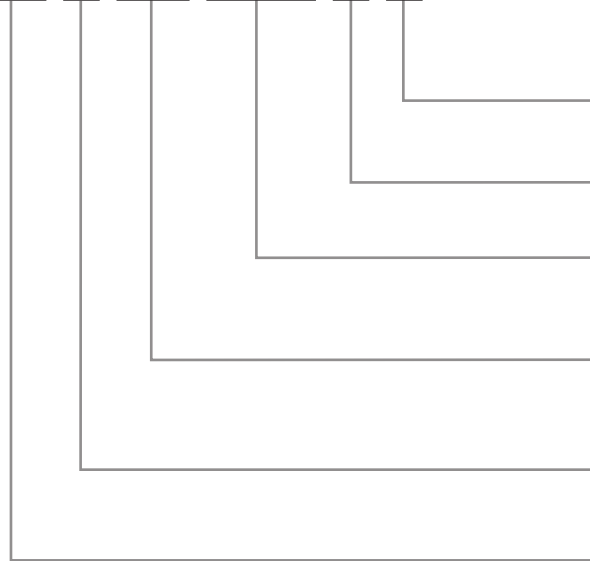
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1.Product Naming Convention

XX-X-XX-XXX-X-X



Special code: Distinguish neon dimensions, factory definition.

Working voltage: 5V (A) , 12V (B) , 24V (C) , 36V (D) , 48V (H)

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) 3030 (E) , 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



IP68
Protection



Saltwater
Resistant



Solvents
Resistant



UV
Resistant



IK08
Protection



>3
YEAR
Warranty



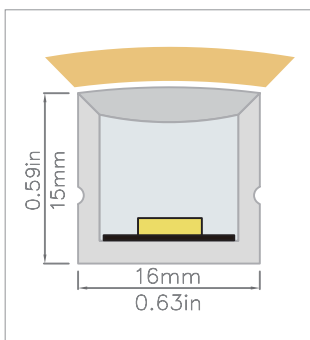
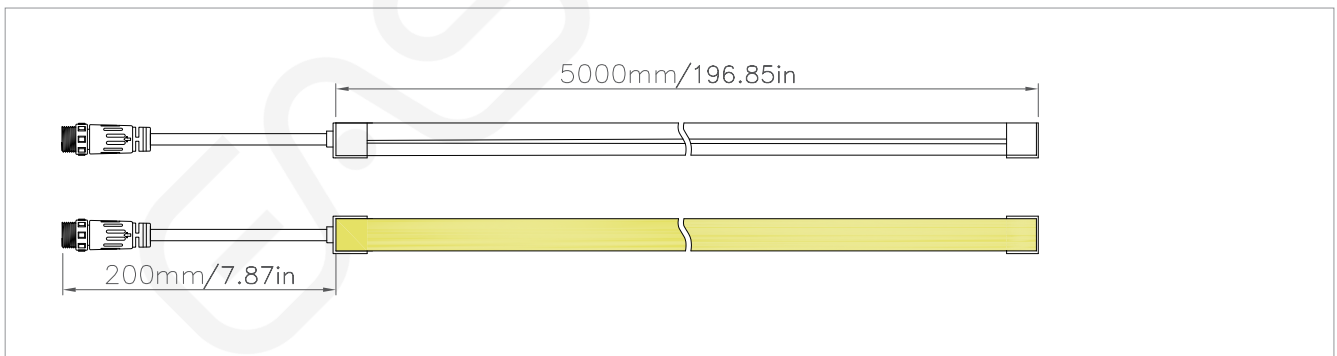
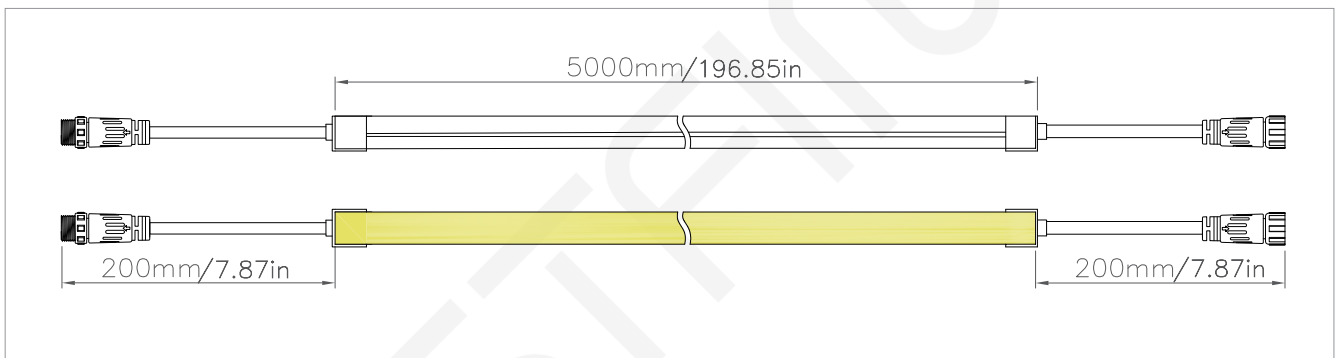
Operating
Temperature



Storage
Temperature

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)	Hight (mm)
NF-C27140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-C30140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-C40140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-C50140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-C65140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CRE140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CGR140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CBL140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CYE140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CPI140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CUV140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-COR140C-C	DC24V	0.5A	12.0	IP68	50	10	16	15
NF-CTW120C-C	DC24V	2*0.42A	2*8	IP68	50	10	16	15
NF-HRG070C-C	DC24V	0.5A	12.0	IP68	100	10	16	15
NF-HRW070C-C	DC24V	0.625A	15.0	IP68	100	12	16	15
NF-HWR060C-C	DC24V	0.83A	20.0	IP68	100	12	16	15

3.3 Spectrum Data

Model No.	CCT	Lumens (lm/M)	CRI	LED Type	LEDs/M	Beam Angle	Standard Packing	Weight (g/5M)
NF-C27140C-C	2700K	1170	90	2835	140	180°	5M/Roll	1630
NF-C30140C-C	3000K	1190	90	2835	140	180°	5M/Roll	1630
NF-C40140C-C	4000K	1220	90	2835	140	180°	5M/Roll	1630
NF-C50140C-C	5000K	1236	90	2835	140	180°	5M/Roll	1630
NF-C65140C-C	6500K	1250	90	2835	140	180°	5M/Roll	1630
NF-CRE140C-C	Red	355	—	2835	140	180°	5M/Roll	1630
NF-CGR140C-C	Green	450	—	2835	140	180°	5M/Roll	1630
NF-CBL140C-C	Blue	240	—	2835	140	180°	5M/Roll	1630
NF-CYE140C-C	Yellow	740	—	2835	140	180°	5M/Roll	1630
NF-CPI140C-C	Pink	672	—	2835	140	180°	5M/Roll	1630
NF-CUV140C-C	Purple	230	—	2835	140	180°	5M/Roll	1630
NF-COR140C-C	Orange	300	—	2835	140	180°	5M/Roll	1630
NF-CTW120C-C	WW-CW	720	90	2835	120	180°	5M/Roll	1630
NF-HRG070C-C	RGB	480	—	5050	70	180°	5M/Roll	1630
NF-HRW070C-C	RGBW	620	—	5050	70	180°	5M/Roll	1630
NF-HWR060C-C	WRGBW	720	—	5050	60	180°	5M/Roll	1630

4. Cable Entry



Side right/left



Bottom



Top end



End Cap

5. Mounting Profile



Spring Clip Aluminum Profile

Item NO: JA0004

Dimension: 1000*20.5*17.2mm

Material: 6063Al and 304 Stainless steel

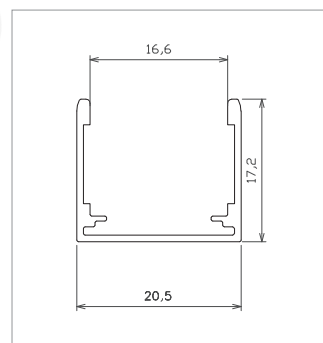


Since the card lock buckle

Item NO: JK0006

Dimension: 40*20.5*17.2mm

Material: 6063Al and 304 Stainless steel



Bendable Stainless Steel Profile

Item NO: JL0004

Dimension: 1000*16.9*17mm

Material: 304 Stainless steel

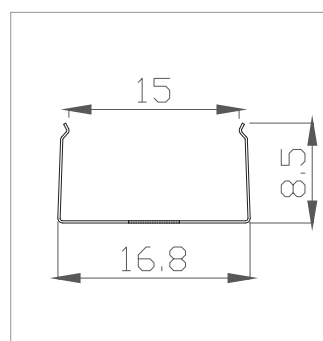


Stainless steel buckle

Item NO: JK0019

Dimension: 20*16.8*8.5mm

Material: 304 Stainless steel





Standard Aluminum Profile

Item NO: JA0038

Dimension: 1000*19*21.5mm

Material: 6063Al

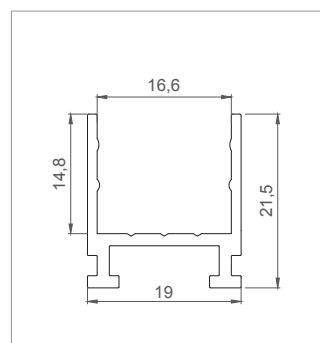


Aluminum slot card buckle

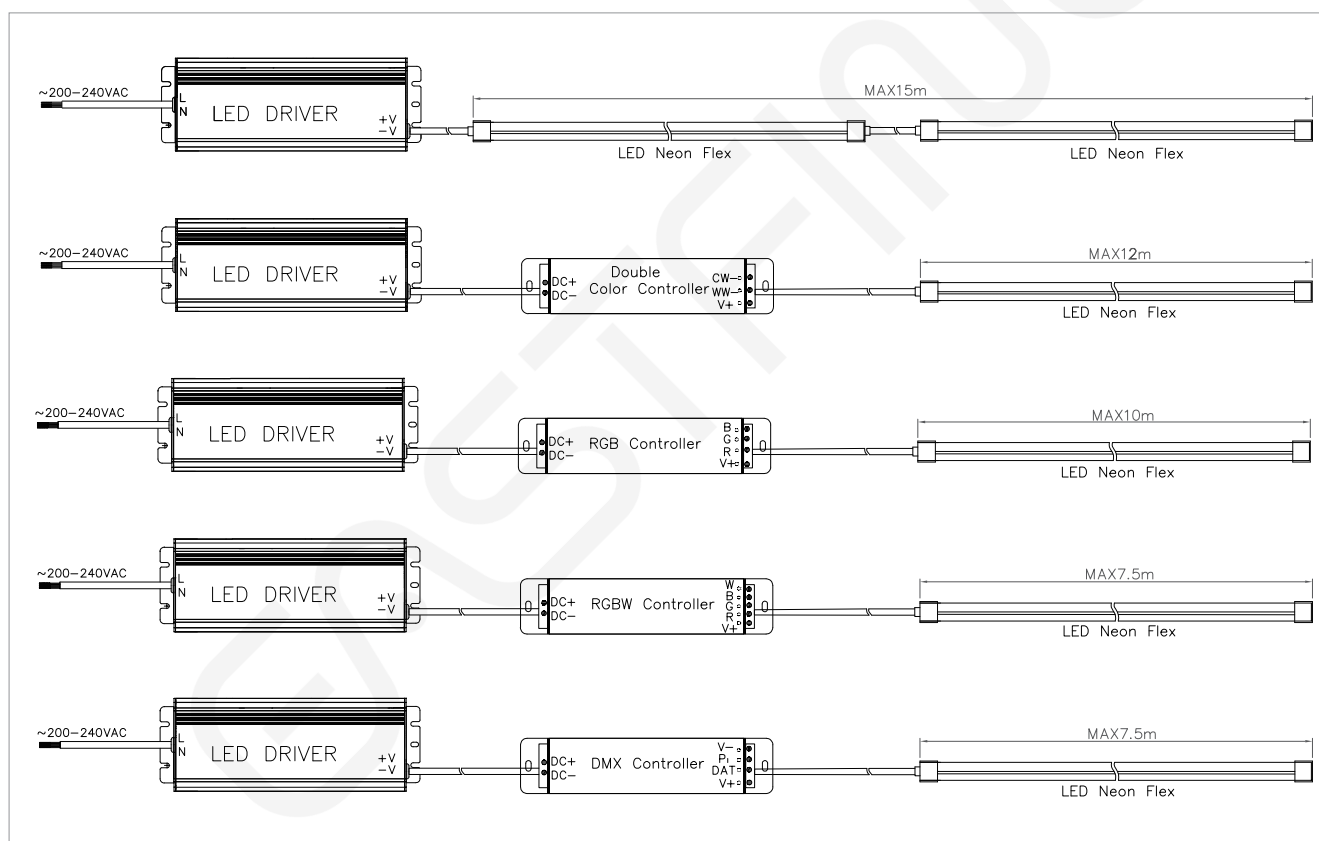
Item NO: JK0011

Dimension: 30*7.6*14.5mm

Material: 6063Al



6. Connection Methods



				Cathode(-) Anode(+)	Single Color
Neon Flex Power Cable Red Green Blue Black → → → →	Red Green Blue Anode(+)	RGB	Neon Flex Power Cable White or Yellow Red Green Blue Black → → → → →	White Red Green Blue Anode(+)	RGBW
Neon Flex Power Cable Red Yellow Black or White → → →	Anode(+) Warm white (-) Cold white (-)	Double Color	Neon Flex Power Cable Red Green Blue Black → → → →	Anode(+) Data Code Cathode(-)	DMX

7. Packaging



5meter/roll



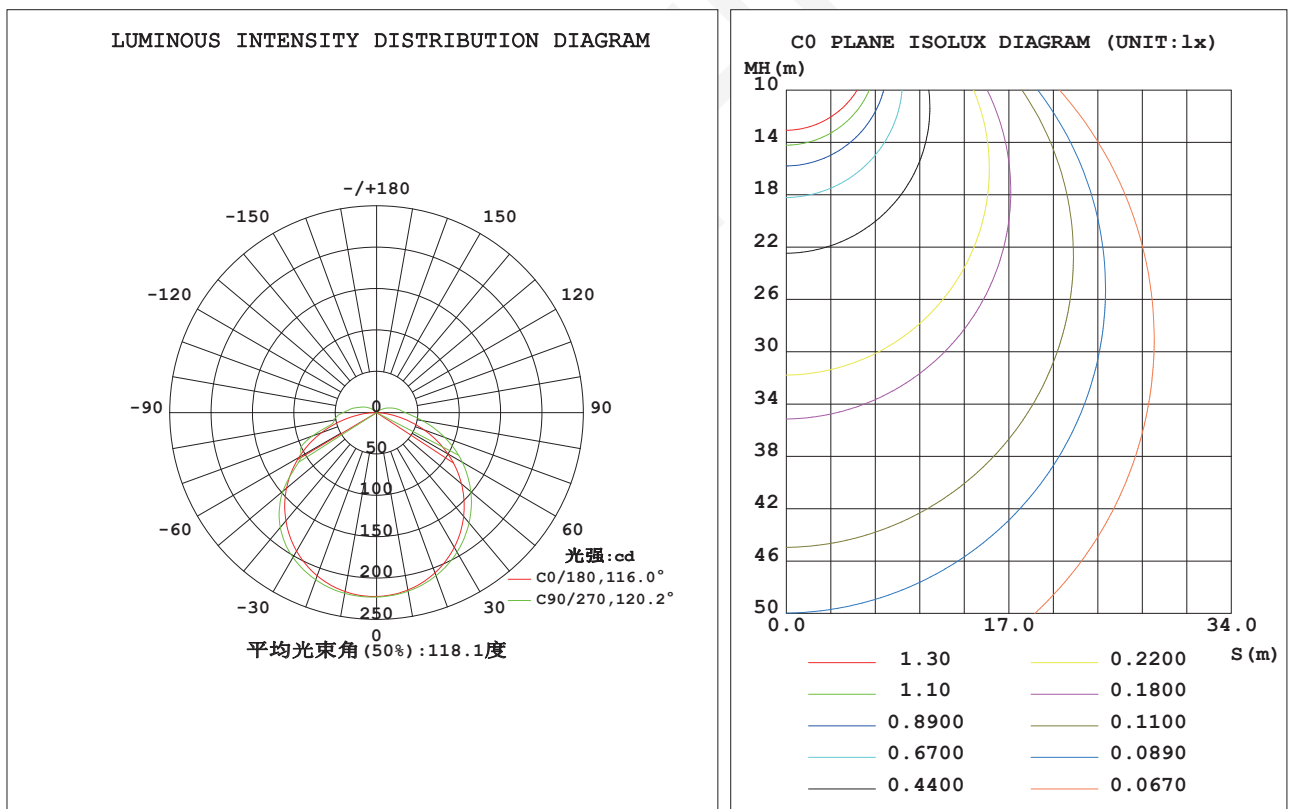
1roll/box-size: 390*390*26mm



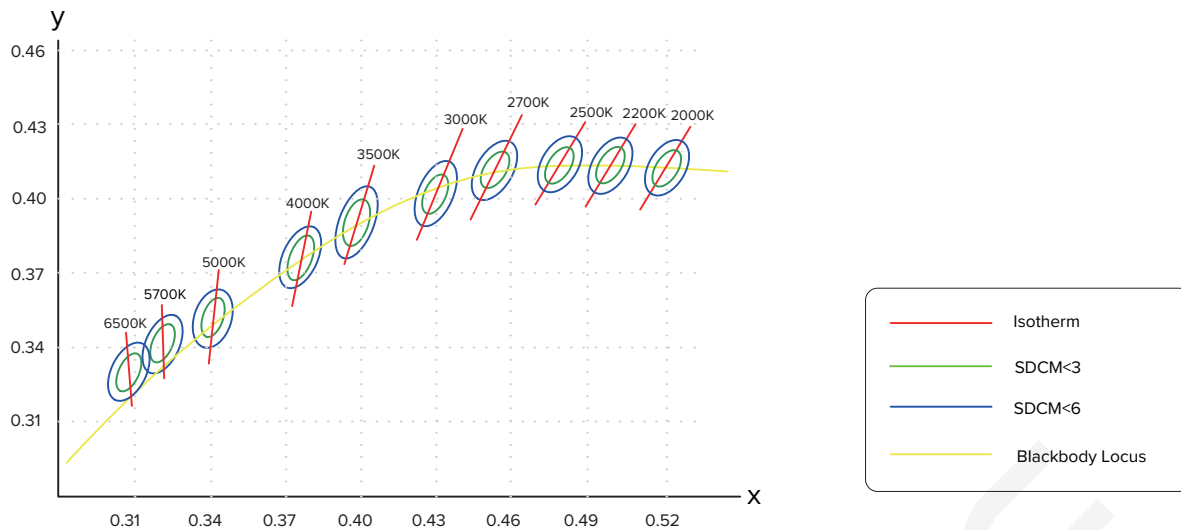
15 box-size:420*400*400mm

8. Appendix

8.1 Luminaire Photometric Data



8.2 (X,Y) Chromaticity Diagram



8.3 Illuminance-Distance Diagram

Flux out: 505.9 lm

Height	Eavg, Emax	Angle: 116.03deg	Diameter
1m	58.14, 222.91lx		320.25cm
2m	14.54, 55.73lx		640.49cm
3m	6.460, 24.77lx		960.74cm
4m	3.634, 13.93lx		1280.99cm
5m	2.326, 8.917lx		1601.23cm
6m	1.615, 6.192lx		1921.48cm
7m	1.187, 4.550lx		2241.73cm
8m	0.9085, 3.483lx		2561.98cm
9m	0.7178, 2.752lx		2882.22cm
10m	0.5814, 2.229lx		3202.47cm

Height

Eavg, Emax

Angle: 116.03deg

Diameter

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

Remark: The IES file is needed to contact the sales staff

8.4 Reliability test

Testing Item	Performance	Standard/Description
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 218:2015 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 0.3-0.6 mg/L
	Sea Water Immersion Test	IEC 60598-1, Salinity 4%
	Salt Spray Test	IEC 68-2-11
	Outdoor Exposure	Manufacturer-defined
Endurance & Thermal Test	High Temperature and High Humidity Test	Manufacturer-defined temp. 70°C Humidity: 85% RH, 1000 hrs
	Thermal Shock Test	Manufacturer-defined @ test temperature -40°C ~ +120°C, 30 min/cycle, 100 cycles
	Cold Resistance Test	Manufacturer-defined Temp. -40°C, 1000 hrs
	Polarity Protection Test	Manufacturer-defined, reverse positive pole and negative pole