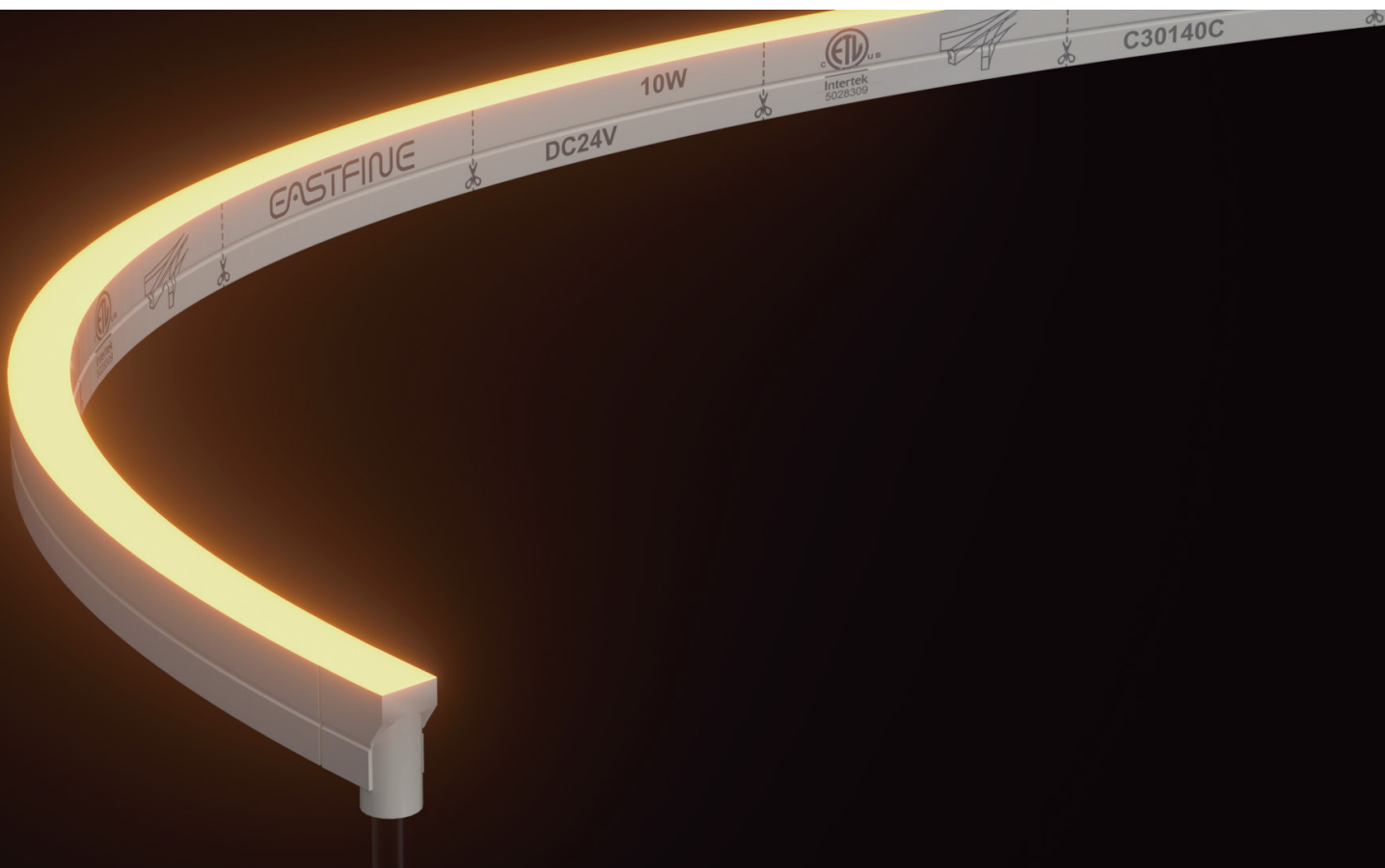


EASTFINE

Specification

For LED Neon Flex



IK08

IP68

RoHS



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Tel: 0769-82933110 Fax: 0769-82933110

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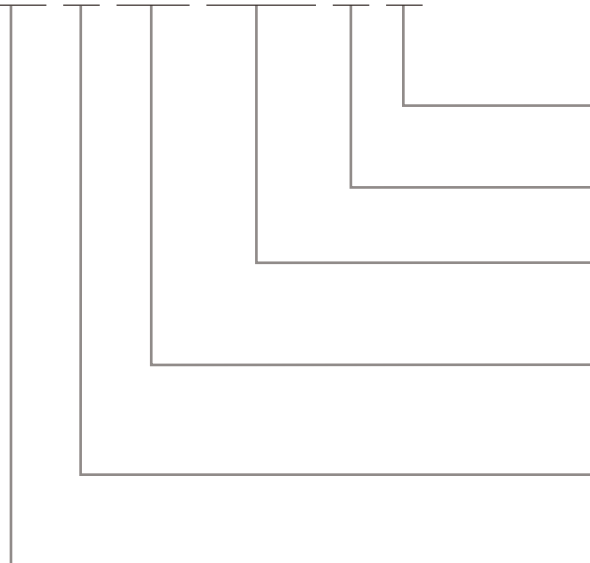
 www.eastfineled.com 

■ Table of Contents

1. Product Naming Convention	03
2. Product Information	03
2.1.Introduction	
2.2.Product Features	
2.3.Areas of application	
3. Specifications&Parameters	04
3.1 Measurement (Unit:mm)	
3.2 Electrical Data	
3.3 Spectrum Data	
4. Cable Entry	06
5. Mounting Profile	06
6. Connection Methods	07
7. Packaging	08
8. Appendix	08
8.1.(X,Y) Chromaticity Diagram	
8.2 Luminaire Photometric Data	
8.3 Illuminance-Distance Diagram	
8.4 Reliability test	

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



IP68
Protection



Saltwater
Resistant



Solvents
Resistant



UV
Resistant



IK08
Protection



>3
YEAR
Warranty



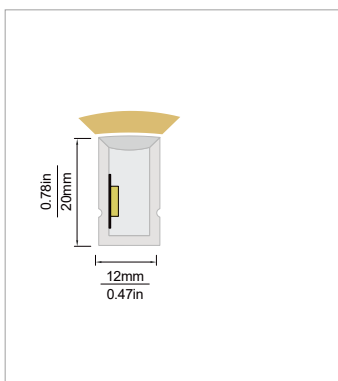
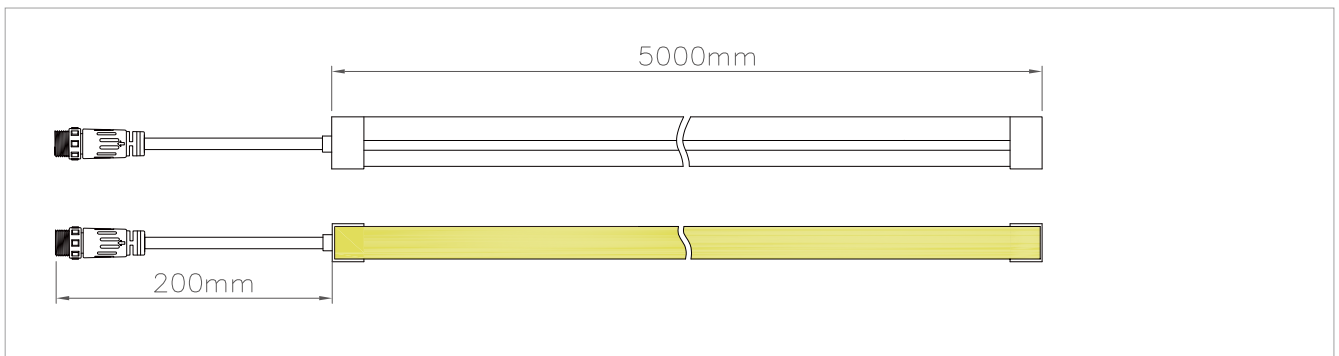
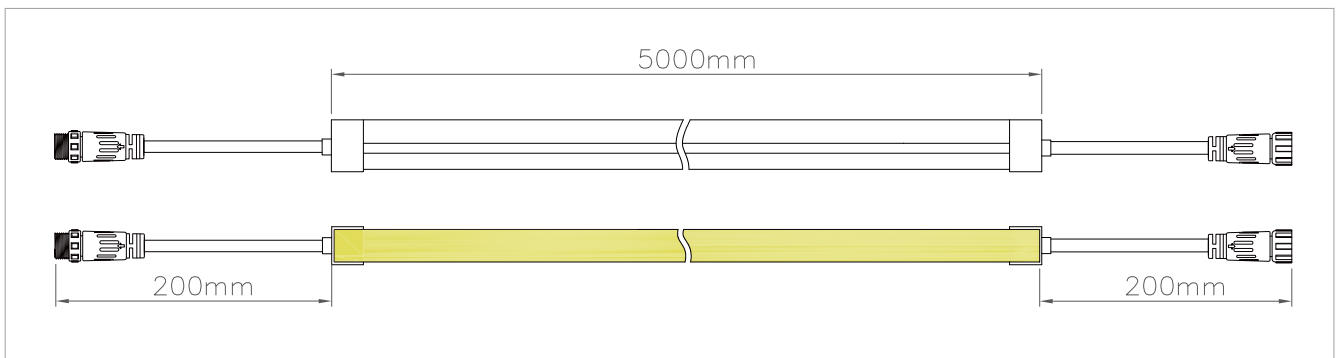
-40°C
+50°C
Operating
Temperature



-40°C
+60°C
Storage
Temperature

3. Specifications&Parameters

3.1 Measurement (Unit:mm)



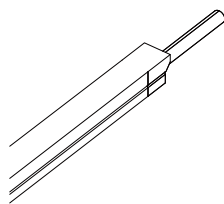
3.2 Electrical Data

Model No.	Voltage	Current	Power (W/M)	IP	Unit Length (mm)	FPC Width (mm)	Strip Width (mm)	Hight (mm)
NF-C27140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-C30140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-C40140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-C50140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-C65140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CRE140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CGR140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CBL140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CYE140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CPI140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CUV140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-COR140C-F	DC24V	0.5A	12.0	IP68	50	10	12	20
NF-CTW120C-F	DC24V	2*0.42A	2*8	IP68	50	10	12	20
NF-HRG070C-F	DC24V	0.5A	12.0	IP68	100	10	12	20
NF-HRW070C-F	DC24V	0.625A	15.0	IP68	100	12	12	20

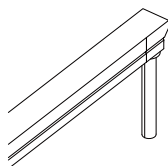
3.3 Spectrum Data

Model No.	CCT	LED Mode	LEDs/M	CCT/ Wavelength	Power (W/M)	Lumens (lm/M)	CRI	Minimum Cutting Length(mm)	FPC Width (mm)	Maximum connection length
NF-C27140C-FA	2700K	2835	140	2600-2800	12.0	715	90	50	10	15M
NF-C30140C-FA	3000K	2835	140	2850-3300	12.0	725	90	50	10	15M
NF-C40140C-FA	4000K	2835	140	3850-4400	12.0	735	90	50	10	15M
NF-C50140C-FA	5000K	2835	140	4800-5400	12.0	740	90	50	10	15M
NF-C65140C-FA	6500K	2835	140	5600-7000	12.0	735	90	50	10	15M
NF-CRE140C-FA	Red	2835	140	620-625nm	12.0	258	-	50	10	15M
NF-CGR140C-FA	Green	2835	140	520-525nm	12.0	392	-	50	10	15M
NF-CBL140C-FA	Blue	2835	140	460-465nm	12.0	189	-	50	10	15M
NF-CYE140C-FA	Yellow	2835	140	590-595nm	12.0	84	-	50	10	15M
NF-CPI140C-FA	Pink	2835	140	—	12.0	588	-	50	10	15M
NF-COR140C-FA	Orange	2835	140	600-610nm	12.0	297	-	50	10	15M
NF-CTW240C-FA	WW-CW	2835	240	2700-6500	2*8	529	90	50	10	12M
NF-HRG084C-FA	RGB	2835	84	RGB	12.0	353	-	100	10	10M
NF-HRW084C-FA	RGBW	2835	84	RGBW	15.0	530	-	100	12	7.5M

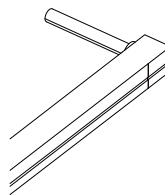
4. Cable Entry



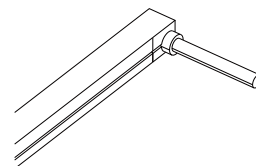
Top Direction



Bottom Direction

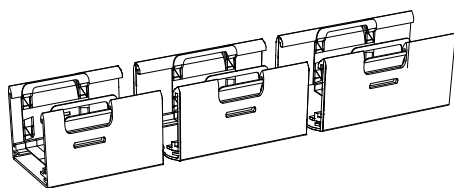


Side Direction (Left)



Side Direction (Right)

5. Mounting Profile

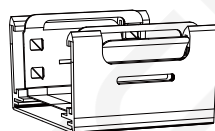


Pop-Up Profile

Item NO: JA0002

Dimension: 1000*16.5*19.25mm

Material: 304SS+6063AL Pop-Up Profile

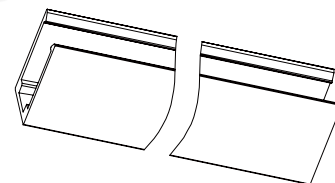


Pop-Up Clip

Item NO: JK0003

Dimension: 40*16.5*19.25mm

Material: 304SS+6063AL Pop-Up Clip

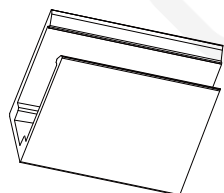


Aluminum Profile

Item NO: JA0050

Dimension: 1000*14.2*19.5mm

Material: 6063 Aluminum Profile

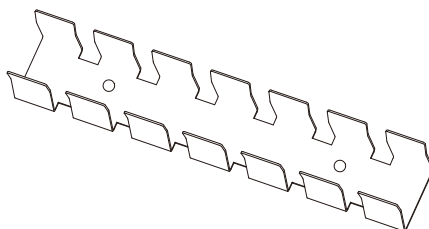


Aluminum Clip

Item NO: JK0049

Dimension: 30*14*22.5mm

Material: 6063 Aluminum Clip

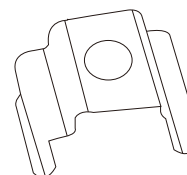


Flexible Stainless Steel Profile

Item NO: JL0017

Dimension: 1000*13*18.5MM

Material: Flexible Stainless Steel Profile



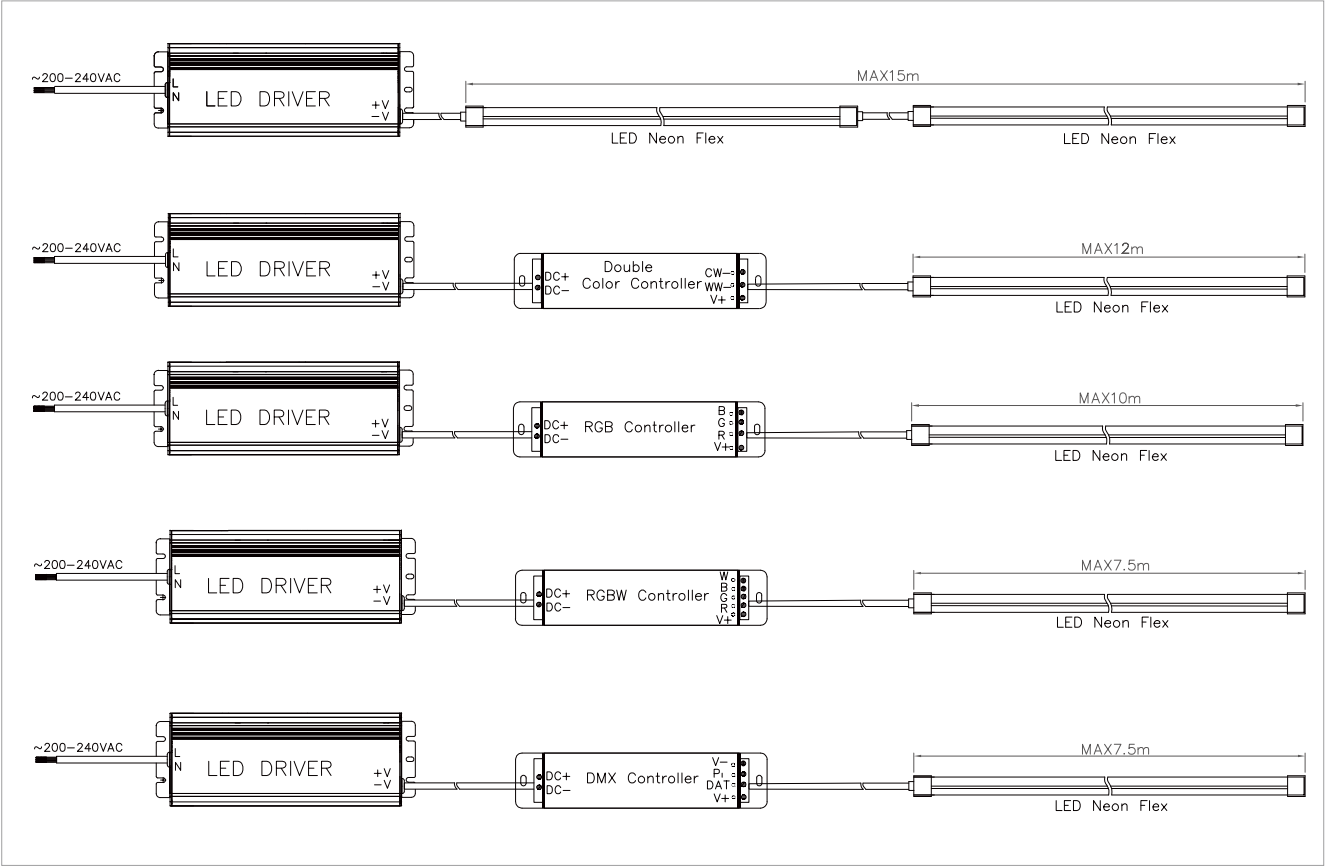
Stainless Steel Clip

Item NO: JK0061

Dimension: 20*13.42*11.25mm

Material: 304 Stainless Steel Clip

6. Connection Methods



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

7. Packaging



5meter/roll



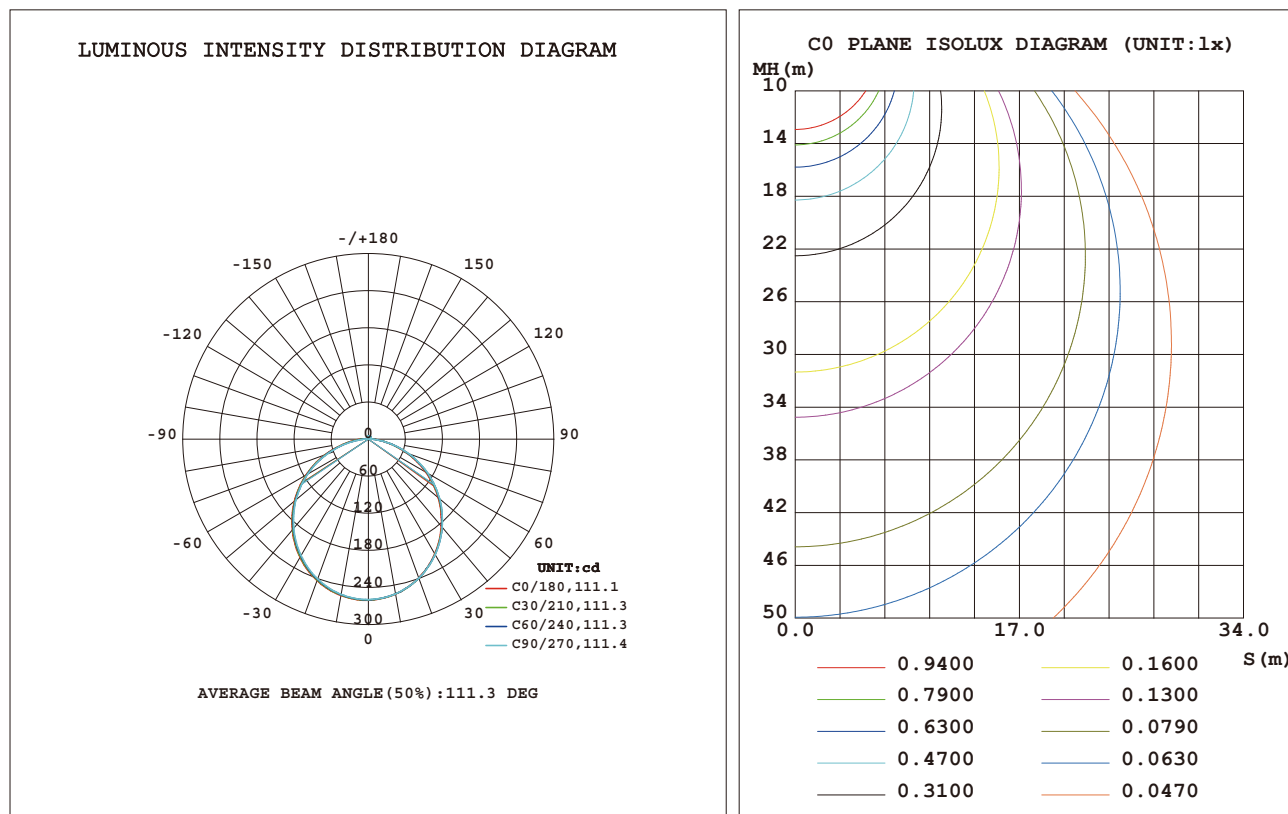
1roll/box-size: 390*390*26mm



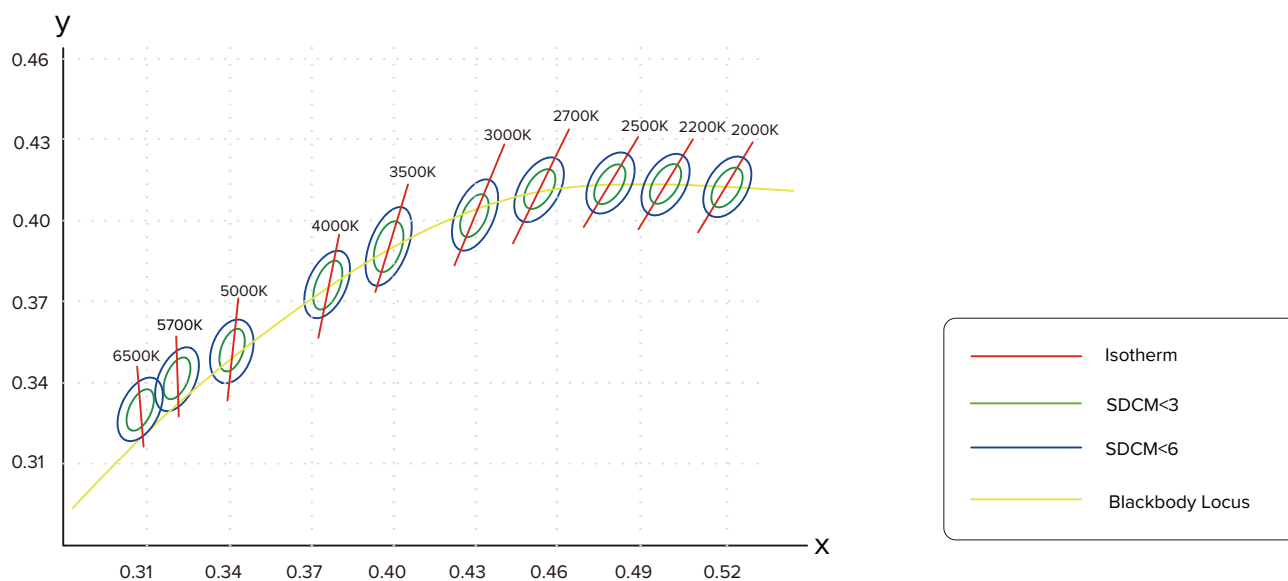
15 box-size:420*400*400mm

8. Appendix

8.1 Luminaire Photometric Data



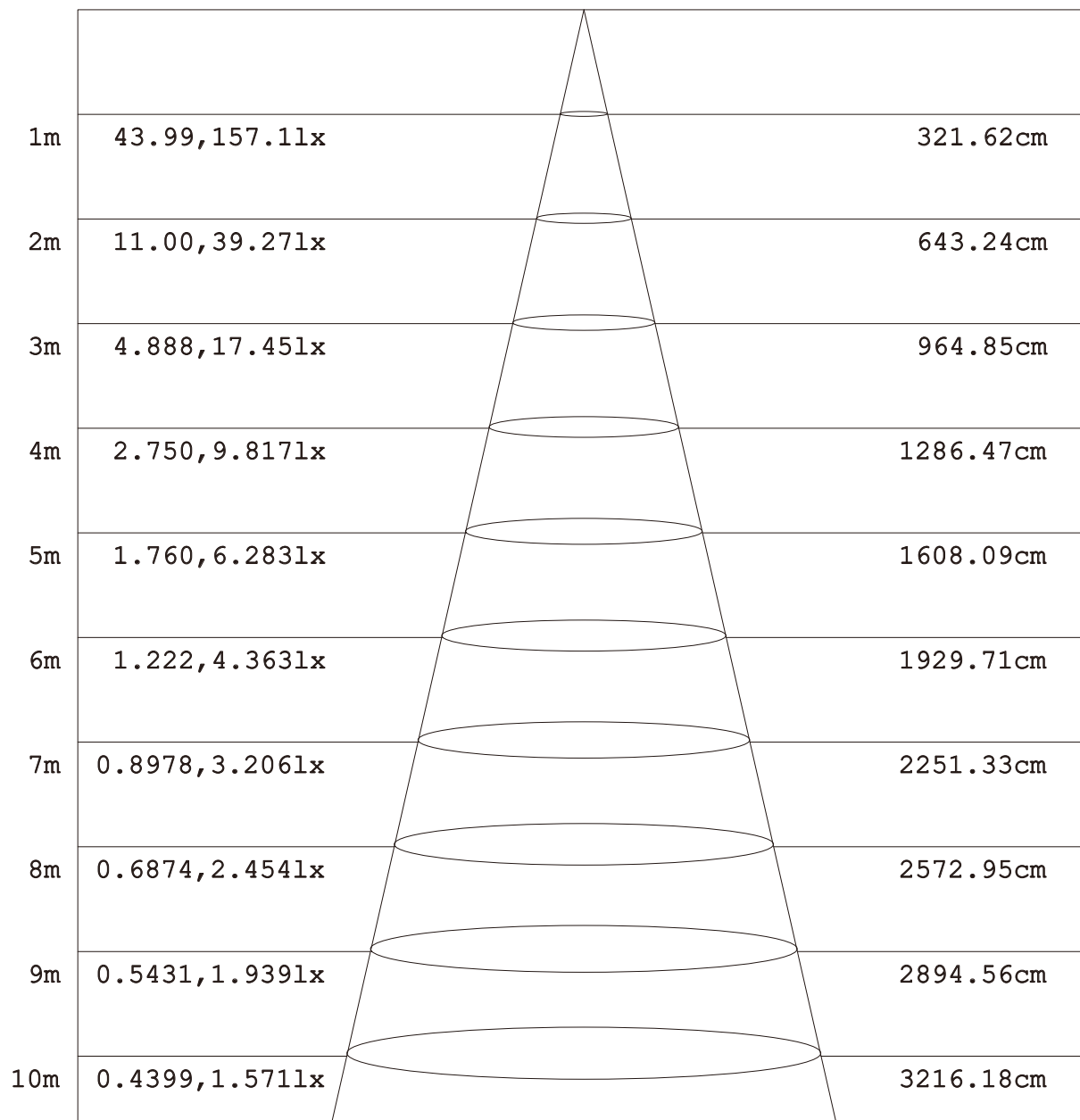
8.2 (X,Y) Chromaticity Diagram





8.3 Illuminance-Distance Diagram

Flux out:382.8 lm



Height

Eavg, Emax

Angle:116.25deg

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 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 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