

EASTFINE

Specification

For LED Neon Flex



UK
CA



RoHS



CE

IP68

Guangdong Yu chen Optoelectronic Technology Co., Ltd

Add: Building 1, No. 71, Taian Liyuan Rd, Zhangmutou Town, Dongguan City, Guangdong.

Tel: 0769-82933110 Fax: 0769-82933110

E-mail: eastfine@eastfineled.com

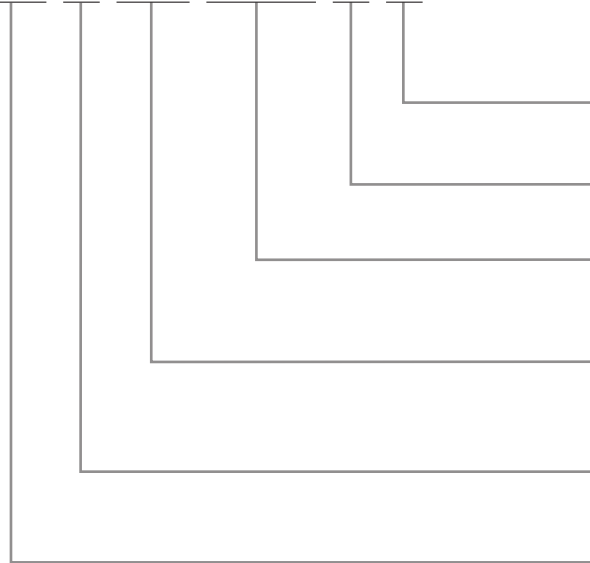
www.eastfineled.com

■ 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	07
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



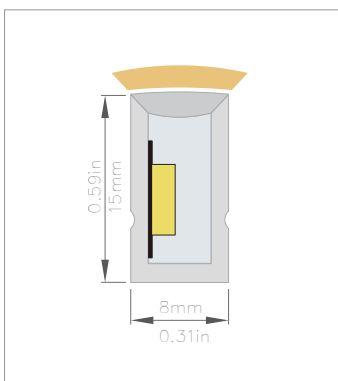
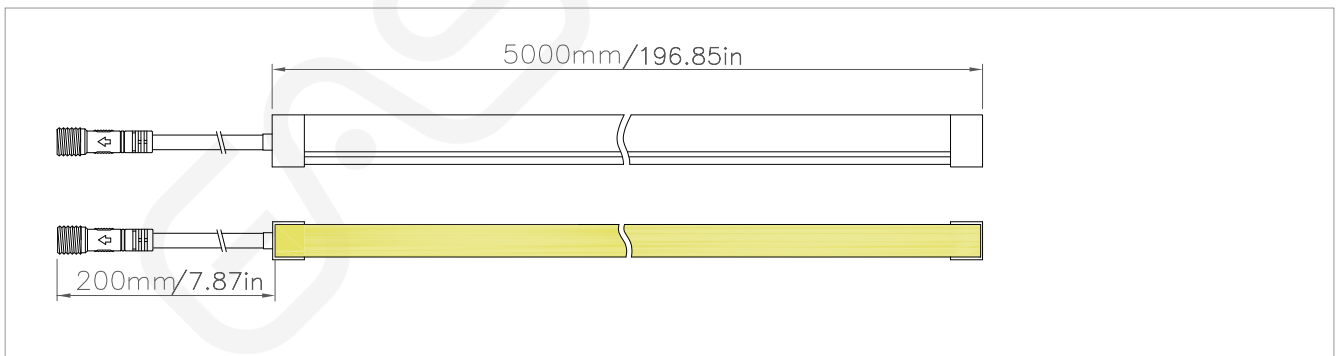
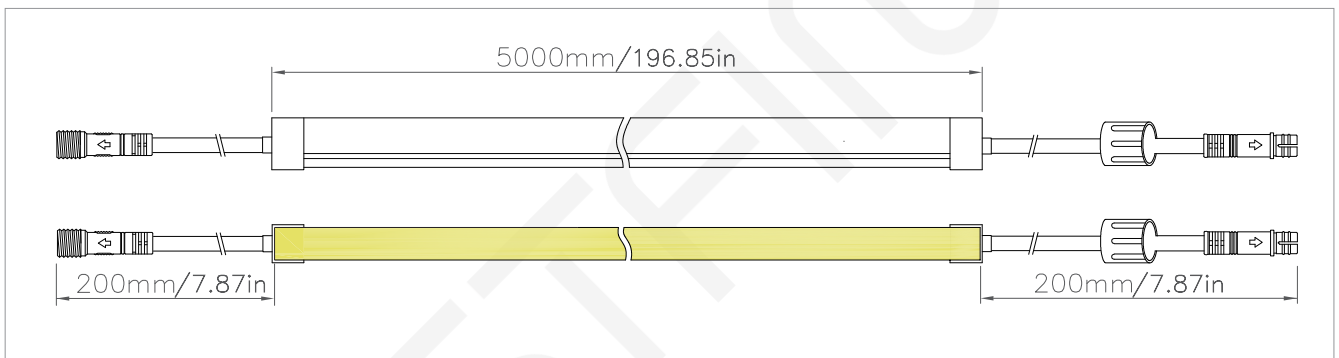
-40°C
+50°C
Operating
Temperature



-40°C
+60°C
Storage
Temperature

3. Specifications&Parameters

3.1 Measurement (Unit:mm)



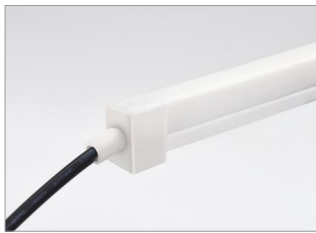
3.2 Electrical Data

Model No.	Voltage	Current	Power (W/M)	IP	Unit Length (mm)	FPC Width (mm)	Strip Width (mm)	Height (mm)
NF-C27140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-C30140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-C40140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-C50140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-C65140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CRE140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CGR140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CBL140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CYE140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CPI140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CUV140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-COR140C-P	DC24V	0.42A	10.0	IP68	50	8	8	15
NF-CTW120C-P	DC24V	2*0.33A	2*8	IP68	50	8	8	15
NF-GRG120C-P	DC24V	0.5A	12.0	IP68	50	8	8	15
NF-JRW240C-P	DC24V	0.58A	14.0	IP68	50	8	8	15

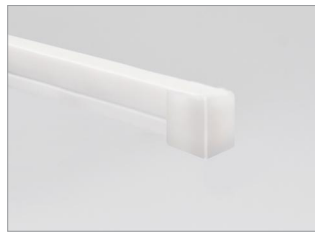
3.3 Spectrum Data

Model No.	CCT	Lumens (lm/M)	CRI	LED Type	LEDs/M	Beam Angle	Standard Packing	Weight (g/5M)
NF-C27140C-P	2700K	550	90	2835	140	180°	5M/Roll	850
NF-C30140C-P	3000K	576	90	2835	140	180°	5M/Roll	850
NF-C40140C-P	4000K	592	90	2835	140	180°	5M/Roll	850
NF-C50140C-P	5000K	600	90	2835	140	180°	5M/Roll	850
NF-C65140C-P	6500K	620	90	2835	140	180°	5M/Roll	850
NF-CRE140C-P	Red	169	—	2835	140	180°	5M/Roll	850
NF-CGR140C-P	Green	215	—	2835	140	180°	5M/Roll	850
NF-CBL140C-P	Blue	112	—	2835	140	180°	5M/Roll	850
NF-CYE140C-P	Yellow	368	—	2835	140	180°	5M/Roll	850
NF-CPI140C-P	Pink	345	—	2835	140	180°	5M/Roll	850
NF-CUV140C-P	Purple	106	—	2835	140	180°	5M/Roll	850
NF-COR140C-P	Orange	145	—	2835	140	180°	5M/Roll	850
NF-CTW120C-P	WW-CW	364	90	2835	120	180°	5M/Roll	850
NF-GRG120C-P	RGB	240	—	3535	120	180°	5M/Roll	850
NF-JRW240C-P	RGBW	312	—	3535+3014	240	180°	5M/Roll	850

4. Cable Entry



Top end



End Cap

5. Mounting Profile



Bendable Stainless Steel Profile

Item NO: JL0007

Dimension: 1000*9*14mm

Material: 304 Stainless steel

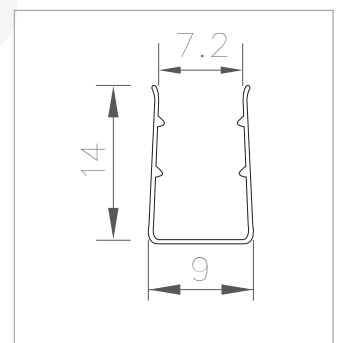


Stainless steel buckle

Item NO:JK0027

Dimension: 30*9*14mm

Material: 304 Stainless steel



Standard Aluminum Profile

Item NO: JA0040

Dimension: 1000*10*16.9mm

Material: 6063Al

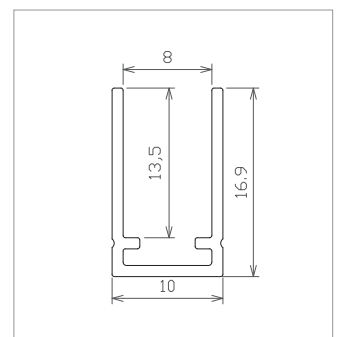


Aluminum slot card buckle

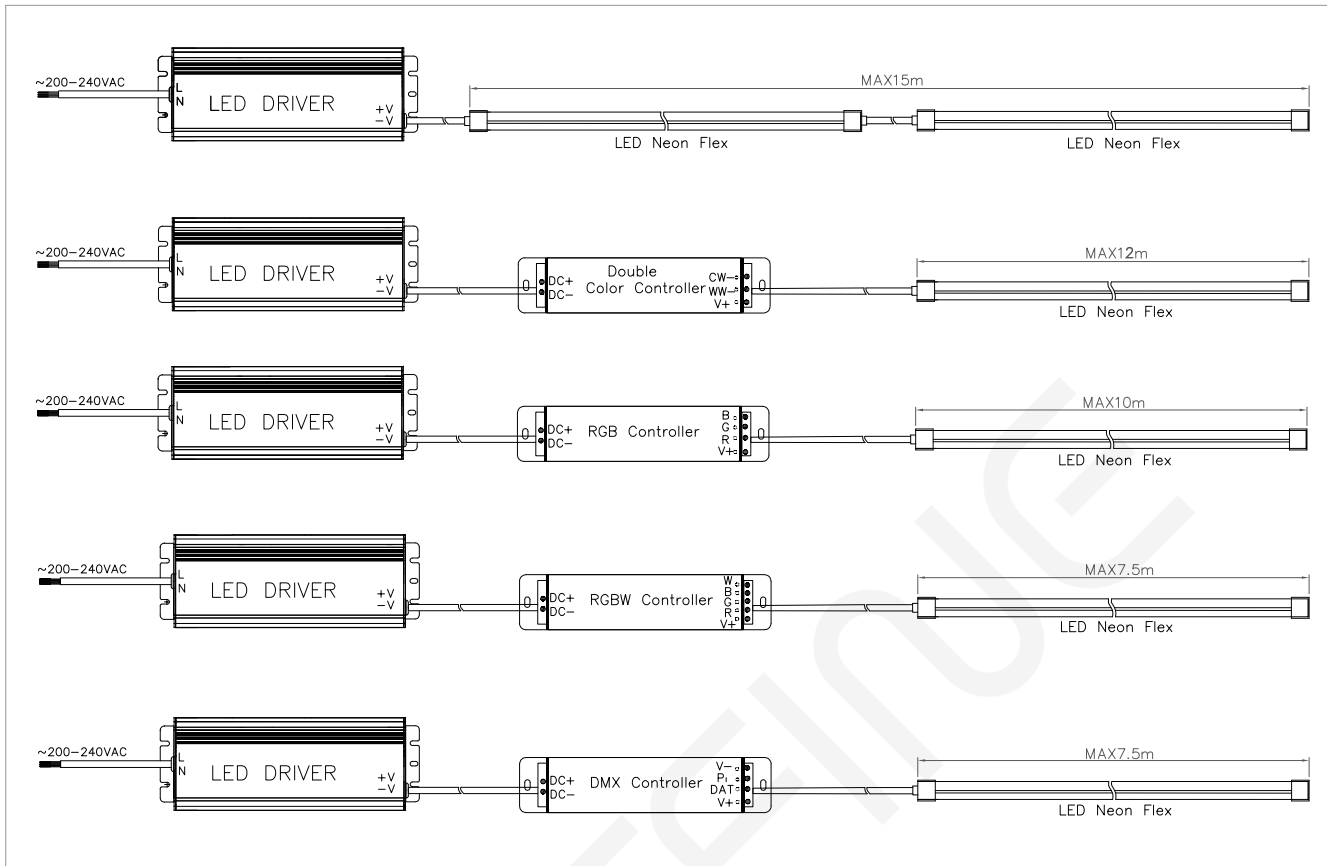
Item NO:JK0024

Dimension: 30*10*16.9mm

Material: 6063Al



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	Red Green Blue Anode(+)	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 (-)	Red Green Blue Black	Anode(+) Data Code Cathode(-)	DMX
		Double Color			

7. Packaging



5meter/roll



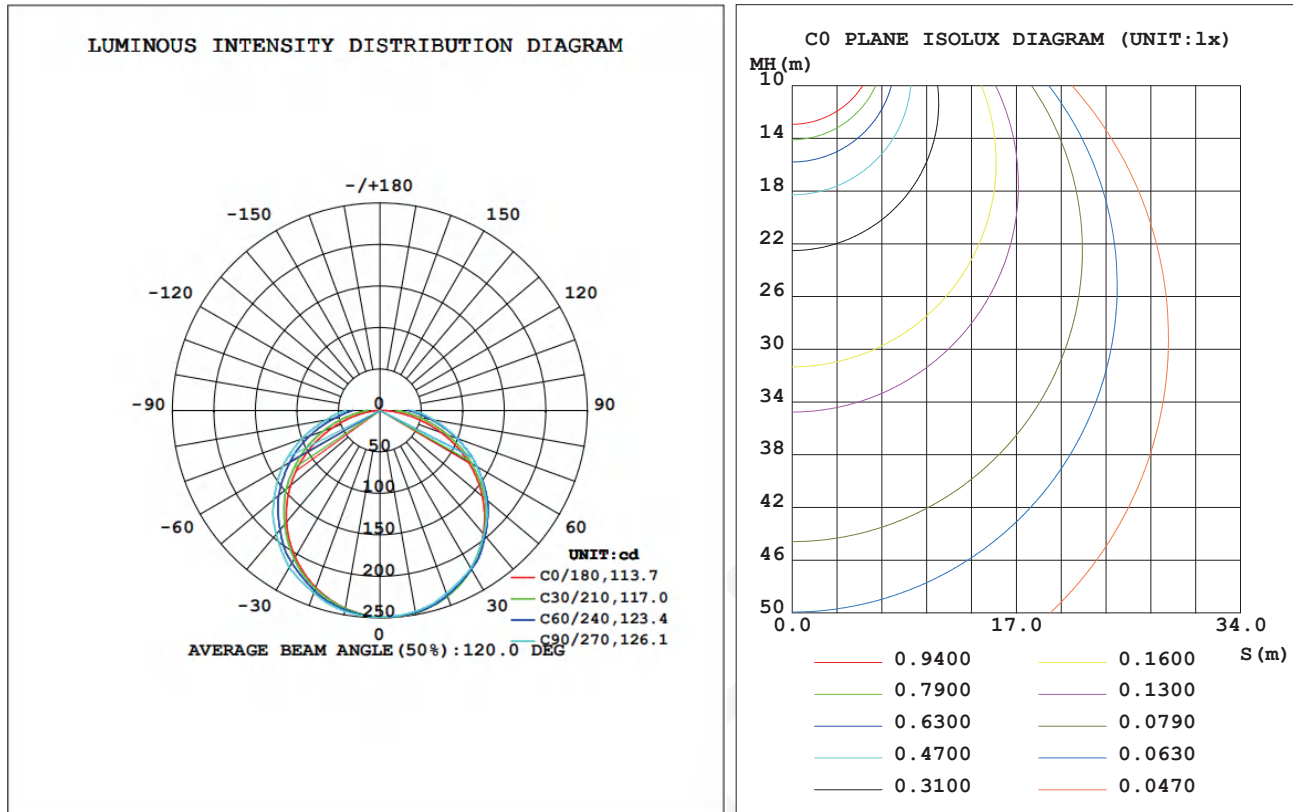
1roll/box-size: 390*390*26mm



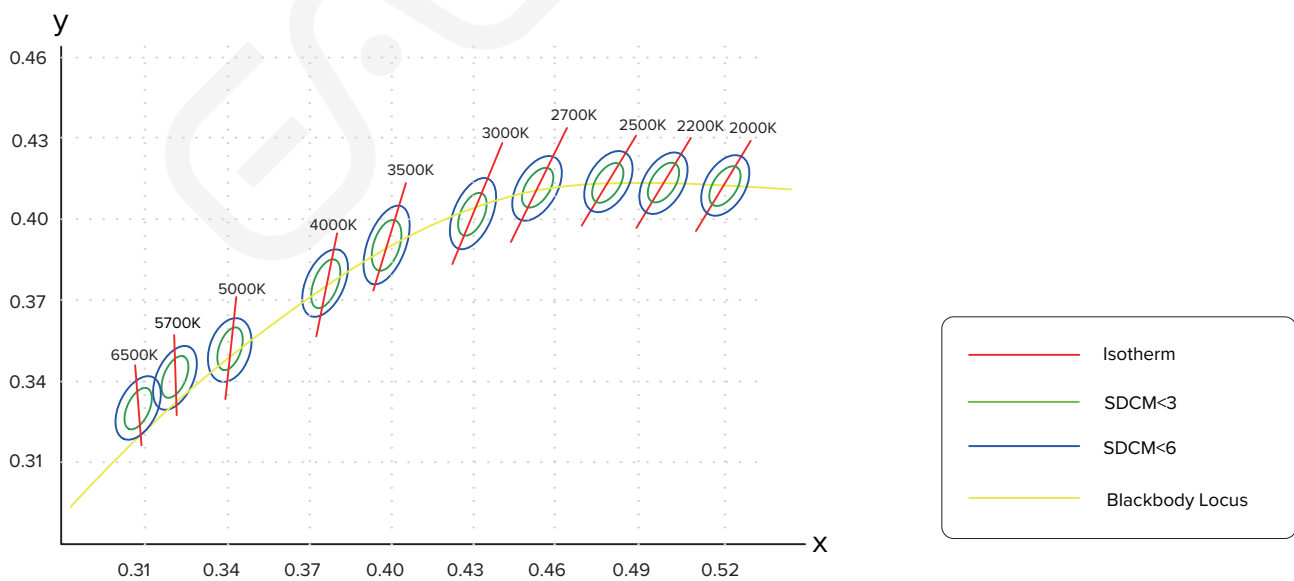
15 box-size:420*400*400mm

8. Appendix

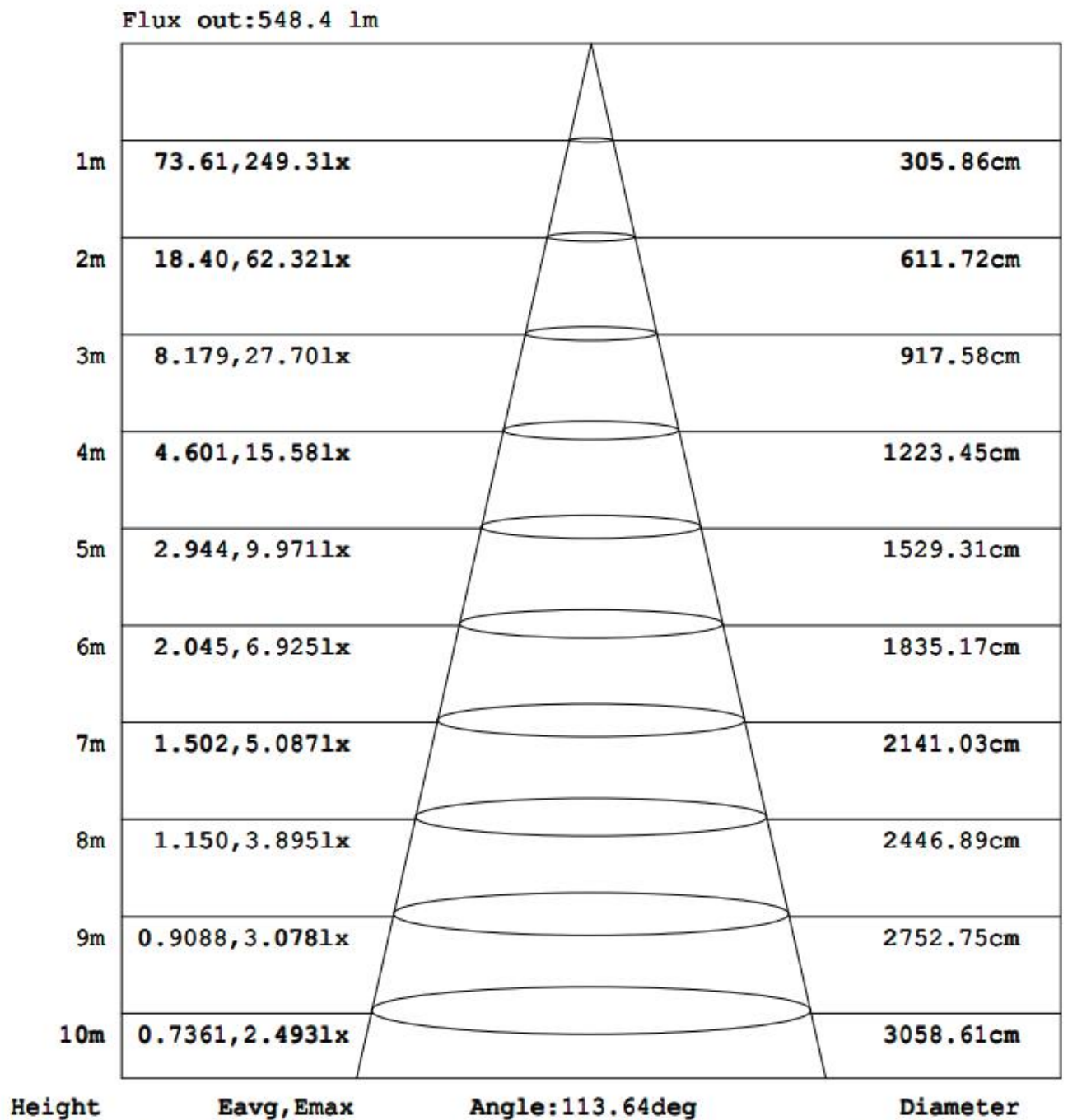
8.1 Luminaire Photometric Data



8.2 (X,Y) Chromaticity Diagram



8.3 Illuminance-Distance Diagram



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

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:30May2017
	Abnormal Operation	CSA C22.2#90:1996Ed.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 chlorine03-06mg/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 ITemp.-40°C,1000hrs
	Polarity Protection Test	Manufacturer-defined,reverse positive pole and negative pole