

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

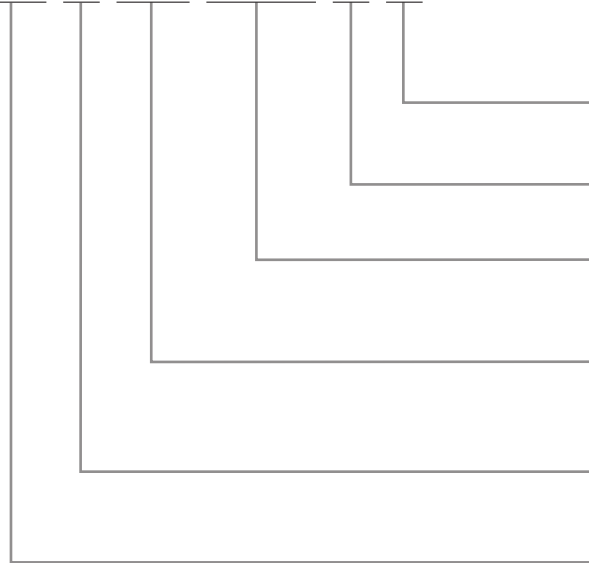
www.eastfineled.com

■ 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. Mounting Profile	06
5. Connection Methods	07
6. Packaging	08
7. Appendix	08
7.1.(X,Y) Chromaticity Diagram	
7.2 Luminaire Photometric Data	
7.3 Illuminance-Distance Diagram	

1.Product Naming Convention

XX-X-XX-XXX-X-X



For Example: NF-C27140C-C
Basics 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



Warranty



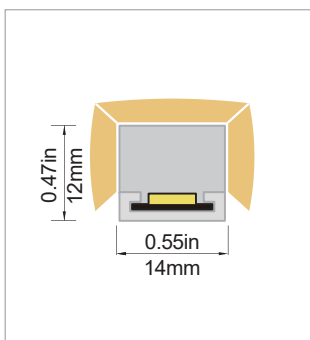
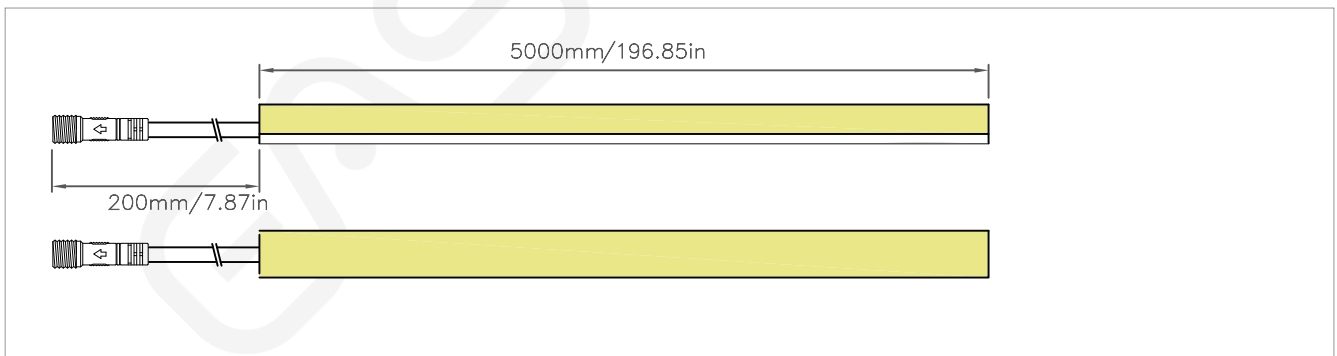
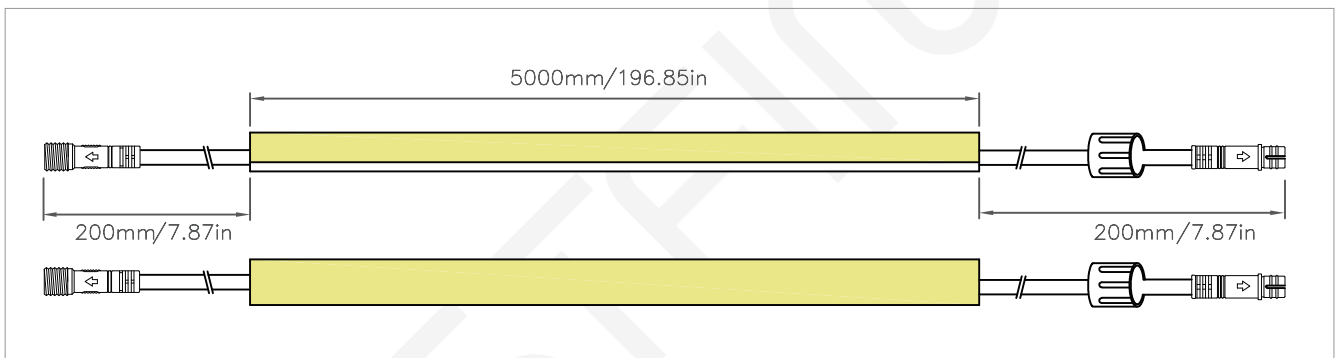
Operating
Temperature



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-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-C30140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-C40140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-C50140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-C65140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CRE140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CGR140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CBL140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CYE140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CPI140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CUV140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-COR140C-S	DC24V	0.5A	12.0	IP68	50	12	14	12
NF-CTW240C-S	DC24V	2*0.41A	2*10	IP68	50	12	14	12
NF-GRG120C-S	DC24V	0.58A	14.0	IP68	50	12	14	12
NF-HRW240C-S	DC24V	0.67A	16.0	IP68	50	12	14	12

3.3 Spectrum Data

Model No.	CCT	Lumens (lm/M)	CRI	LED Type	LEDs/M	Beam Angle	Standard Packing	Weight (g/5M)
NF-C27140C-S	2700K	860	90	2835	140	180°	5M/Roll	1250
NF-C30140C-S	3000K	880	90	2835	140	180°	5M/Roll	1250
NF-C40140C-S	4000K	920	90	2835	140	180°	5M/Roll	1250
NF-C50140C-S	5000K	950	90	2835	140	180°	5M/Roll	1250
NF-C65140C-S	6500K	980	90	2835	140	180°	5M/Roll	1250
NF-CRE140C-S	Red	285	—	2835	140	180°	5M/Roll	1250
NF-CGR140C-S	Green	366	—	2835	140	180°	5M/Roll	1250
NF-CBL140C-S	Blue	204	—	2835	140	180°	5M/Roll	1250
NF-CYE140C-S	Yellow	473	—	2835	140	180°	5M/Roll	1250
NF-CPI140C-S	Pink	485	—	2835	140	180°	5M/Roll	1250
NF-CUV140C-S	Purple	197	—	2835	140	180°	5M/Roll	1250
NF-COR140C-S	Orange	258	—	2835	140	180°	5M/Roll	1250
NF-CTW240C-S	WW-CW	578	90	2835	240	180°	5M/Roll	1250
NF-GRG120C-S	RGB	500	—	3535	120	180°	5M/Roll	1250
NF-HRW240C-S	RGBW	720	—	5050	96	180°	5M/Roll	1250

4. Mounting Profile



Standard Aluminum Profile

Item NO: JA0075

Dimension: 1000*16*15.5mm

Material: 6063Al

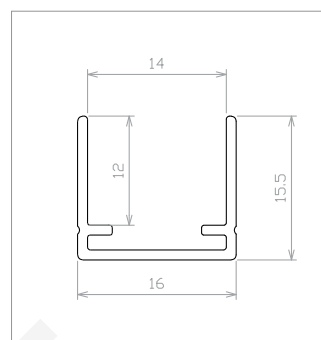


Aluminum slot card buckle

Item NO:JK0039

Dimension: 30*16*15.5mm

Material: 6063Al

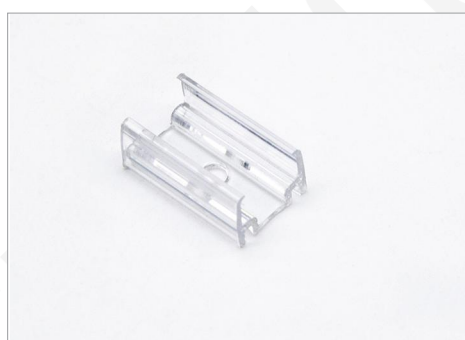


PC installed slot

Item NO: JA0025

Dimension: 1000*16*8.97mm

Material: Transparent PC

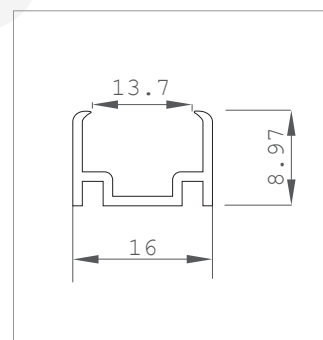


PC card buckle

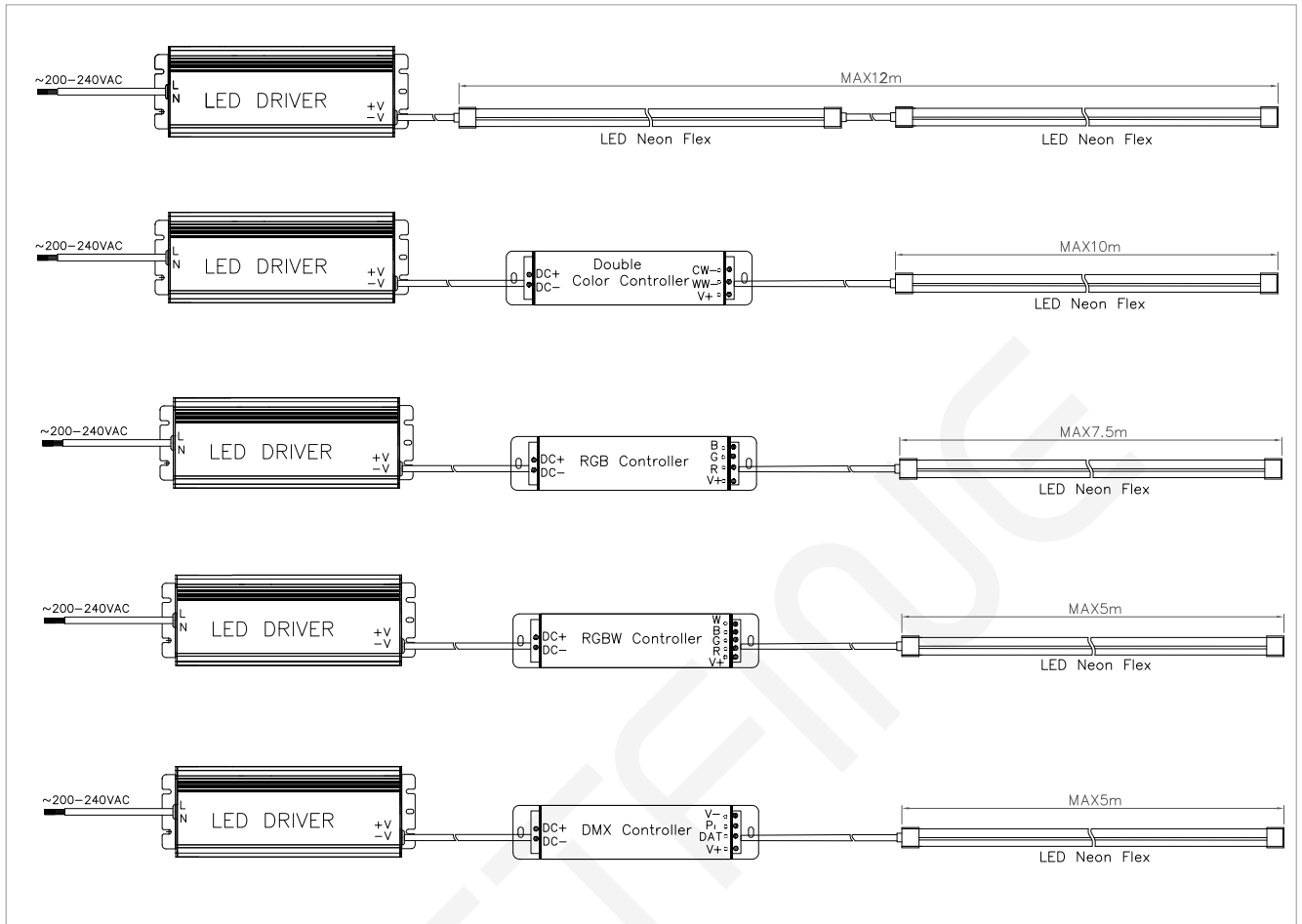
Item NO:JK0038

Dimension: 20*16*8.97mm

Material: Transparent PC



5. 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(+)	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

6. Packaging



5meter/roll



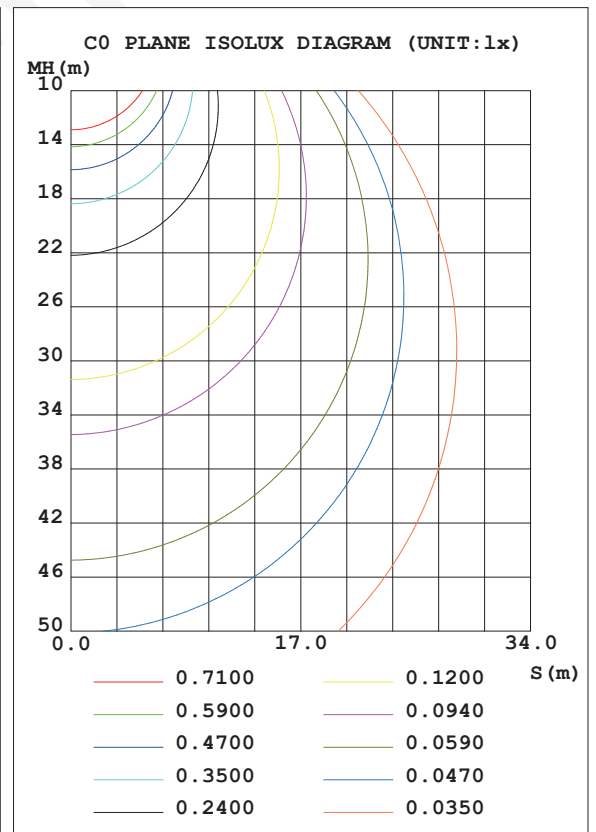
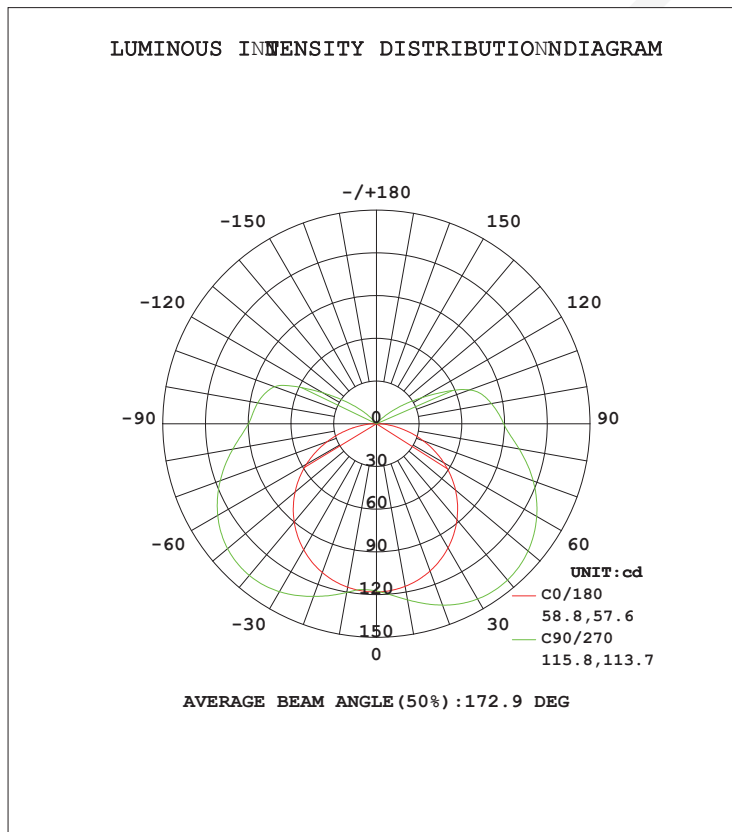
1roll/box-size: 390*390*26mm



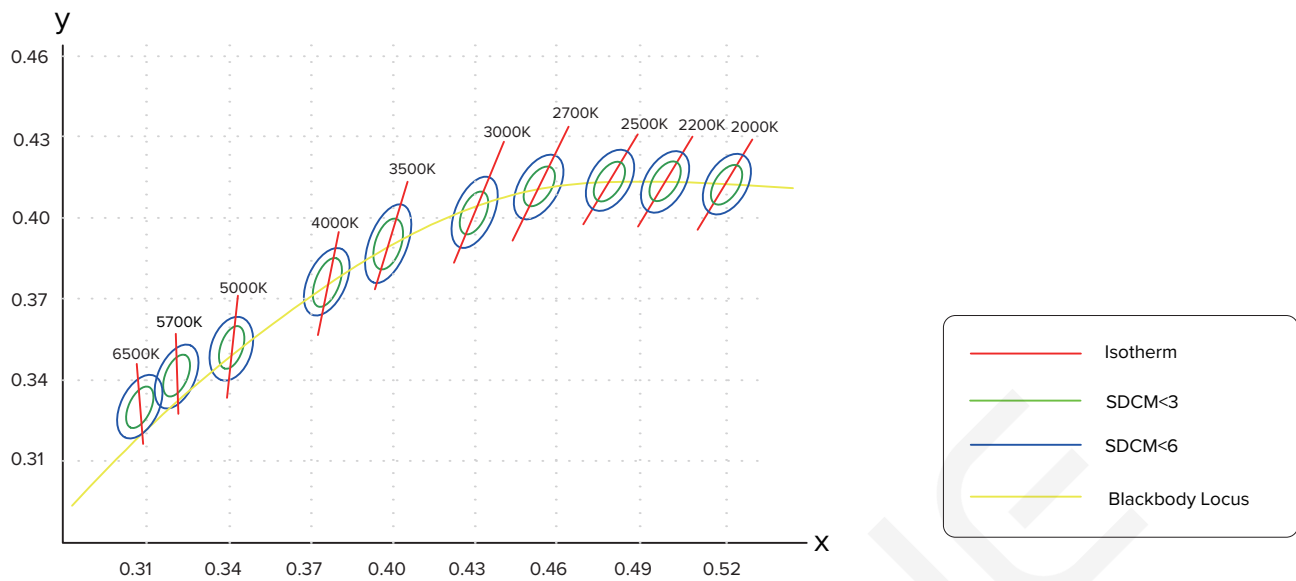
15 box-size:420*400*400mm

7. Appendix

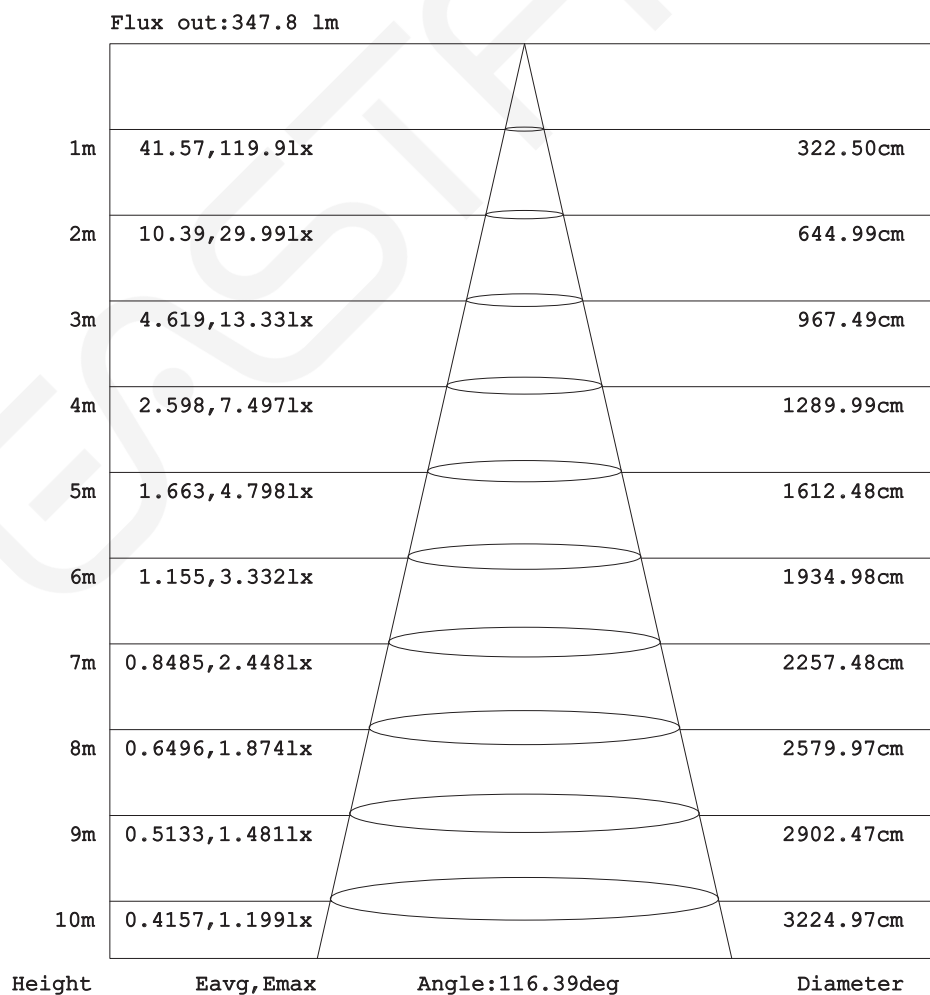
7.1 Luminaire Photometric Data



7.2 (X,Y) Chromaticity Diagram



7.3 Illuminance-Distance Diagram



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

7.4 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	GB 9667, PH 6.8-7.6, 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