

EASTFINE

Specification

For LED Neon Flex



RoHS



IP68

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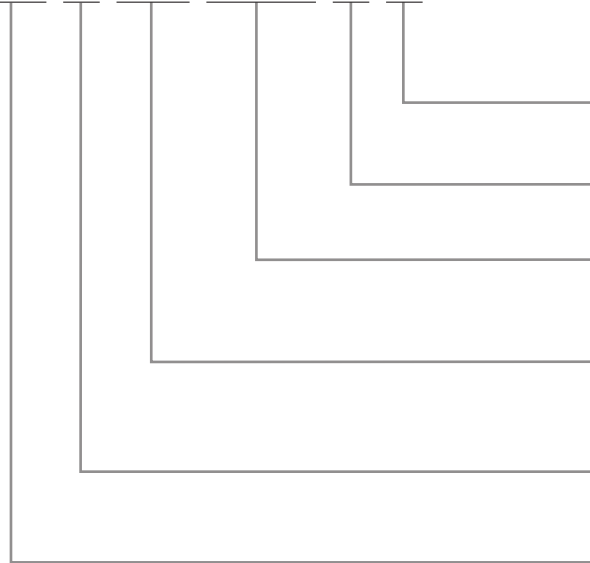
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1.Product Naming Convention

XX-X-XX-XXX-X-X



Special code: Distinguish neon dimensions, factory definition.

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

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



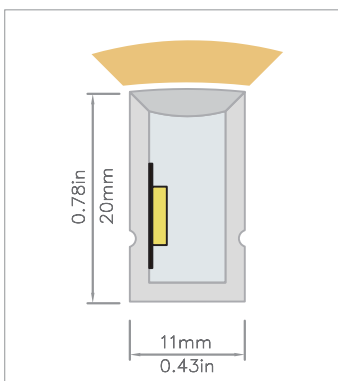
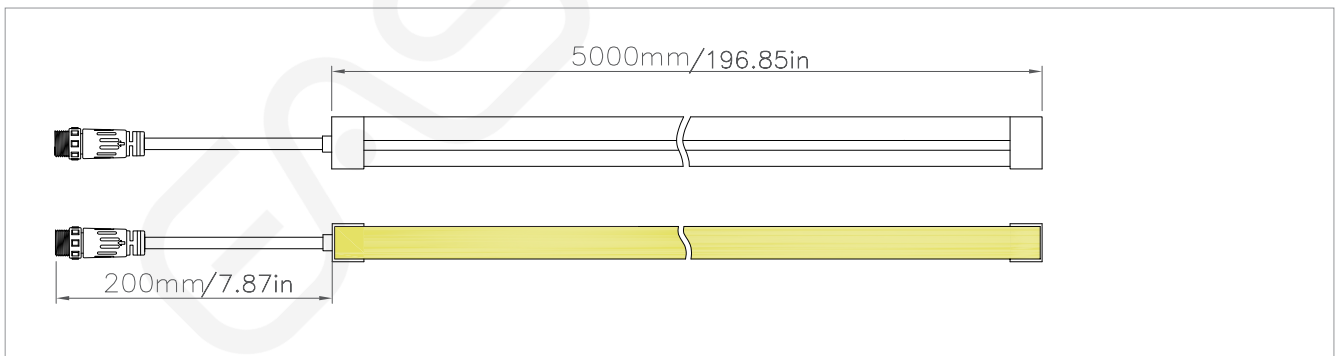
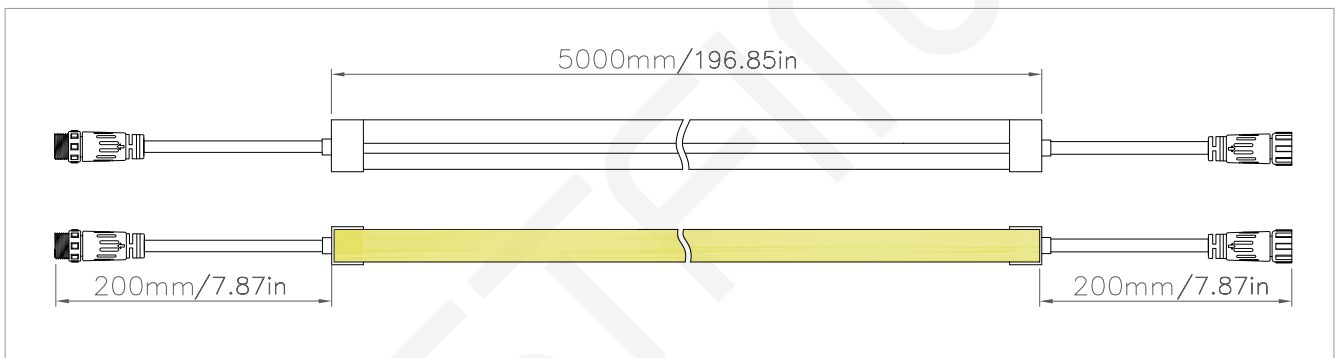
-40°C
+50°C
Operating
Temperature



-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	11	20
NF-C30140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-C40140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-C50140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-C65140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CRE140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CGR140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CBL140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CYE140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CPI140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CUV140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-COR140C-F	DC24V	0.5A	12.0	IP68	50	10	11	20
NF-CTW120C-F	DC24V	2*0.42A	2*8	IP68	50	10	11	20
NF-HRG070C-F	DC24V	0.5A	12.0	IP68	100	10	11	20
NF-HRW070C-F	DC24V	0.625A	15.0	IP68	100	12	11	20
NF-HWR060C-F	DC24V	0.83A	20.0	IP68	100	12	11	20

3.3 Spectrum Data

Model No.	CCT	Lumens (lm/M)	CRI	LED Type	LEDs/M	Beam Angle	Standard Packing	Weight (g/5M)
NF-C27140C-F	2700K	840	90	2835	140	180°	5M/Roll	1430
NF-C30140C-F	3000K	860	90	2835	140	180°	5M/Roll	1430
NF-C40140C-F	4000K	880	90	2835	140	180°	5M/Roll	1430
NF-C50140C-F	5000K	890	90	2835	140	180°	5M/Roll	1430
NF-C65140C-F	6500K	900	90	2835	140	180°	5M/Roll	1430
NF-CRE140C-F	Red	264	—	2835	140	180°	5M/Roll	1430
NF-CGR140C-F	Green	400	—	2835	140	180°	5M/Roll	1430
NF-CBL140C-F	Blue	193	—	2835	140	180°	5M/Roll	1430
NF-CYE140C-F	Yellow	86	—	2835	140	180°	5M/Roll	1430
NF-CPI140C-F	Pink	600	—	2835	140	180°	5M/Roll	1430
NF-CUV140C-F	Purple	173	—	2835	140	180°	5M/Roll	1430
NF-COR140C-F	Orange	303	—	2835	140	180°	5M/Roll	1430
NF-CTW120C-F	WW-CW	540	90	2835	120	180°	5M/Roll	1430
NF-HRG070C-F	RGB	360	—	5050	70	180°	5M/Roll	1430
NF-HRW070C-F	RGBW	540	—	5050	70	180°	5M/Roll	1430
NF-HWR060C-F	WRGBW	605	—	5050	60	180°	5M/Roll	1430

4. Cable Entry



Side right/left



Bottom



Top end



End Cap

5. Mounting Profile

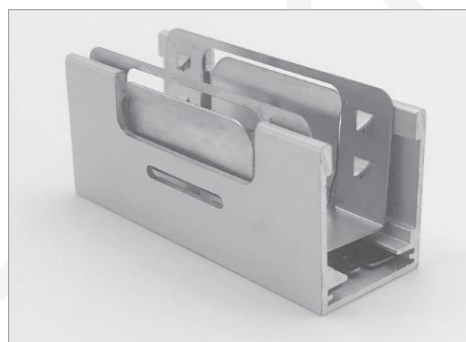


Spring Clip Aluminum Profile

Item NO: JA0031

Dimension: 1000*16.5*19.2mm

Material: 6063Al and 304 Stainless steel

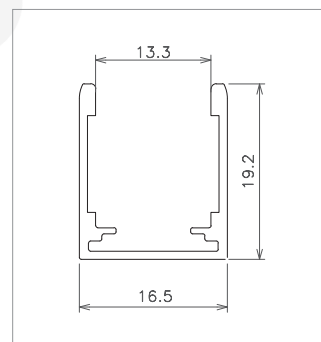


Since the card lock buckle

Item NO: JK0020

Dimension: 40*16.5*19.2mm

Material: 6063Al and 304 Stainless steel



Bendable Stainless Steel Profile

Item NO: JL0005

Dimension: 1000*12.5*19.5mm

Material: 304 Stainless steel

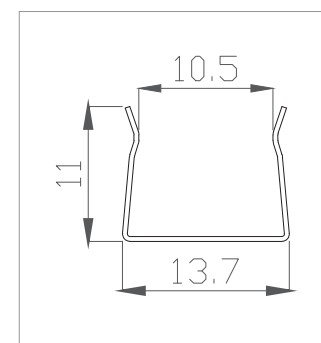


Stainless steel buckle

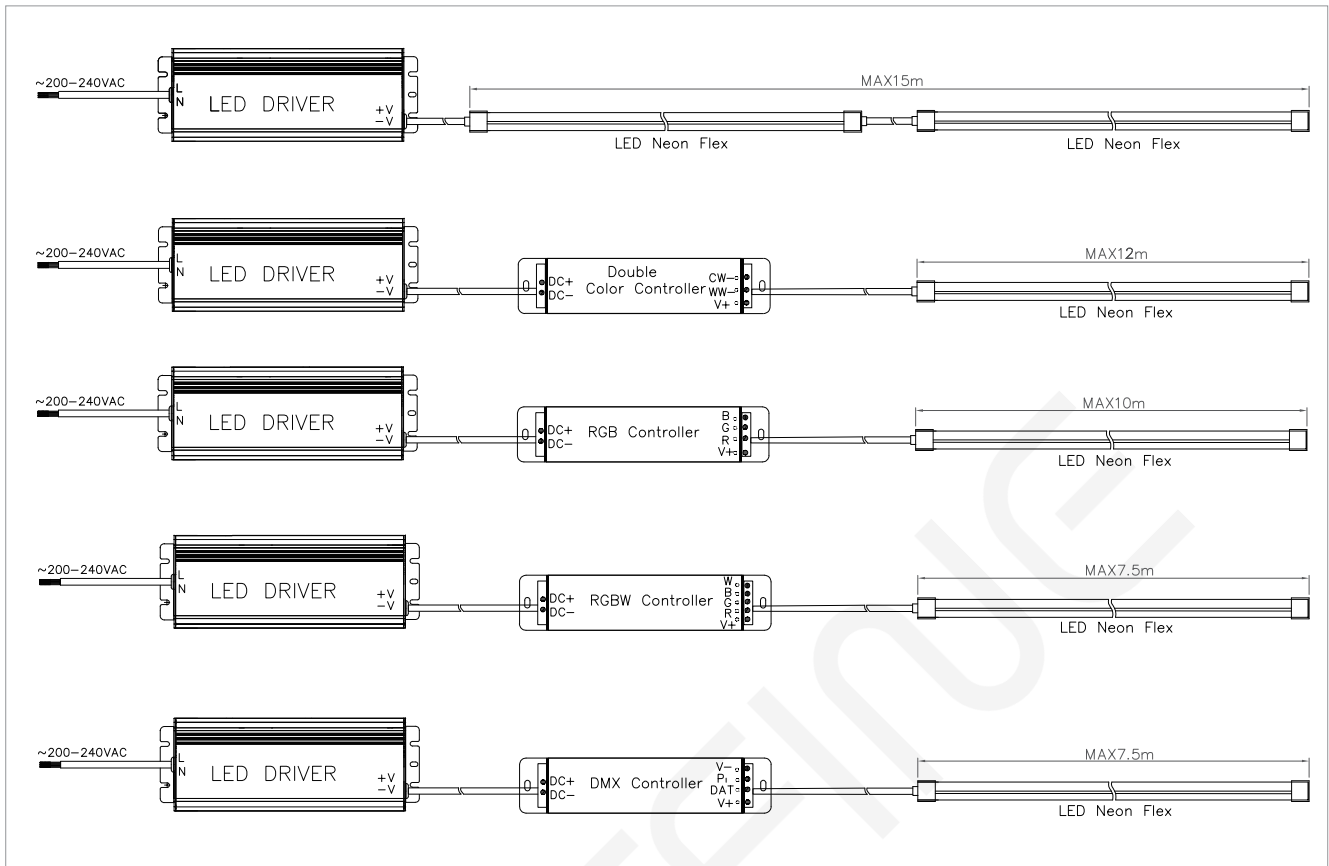
Item NO: JK0013

Dimension: 30*13.7*11mm

Material: 304 Stainless steel



6. Connection Methods



				Single Color
	RGB		RGBW	
	Double Color		DMX	

7. Packaging



5meter/roll



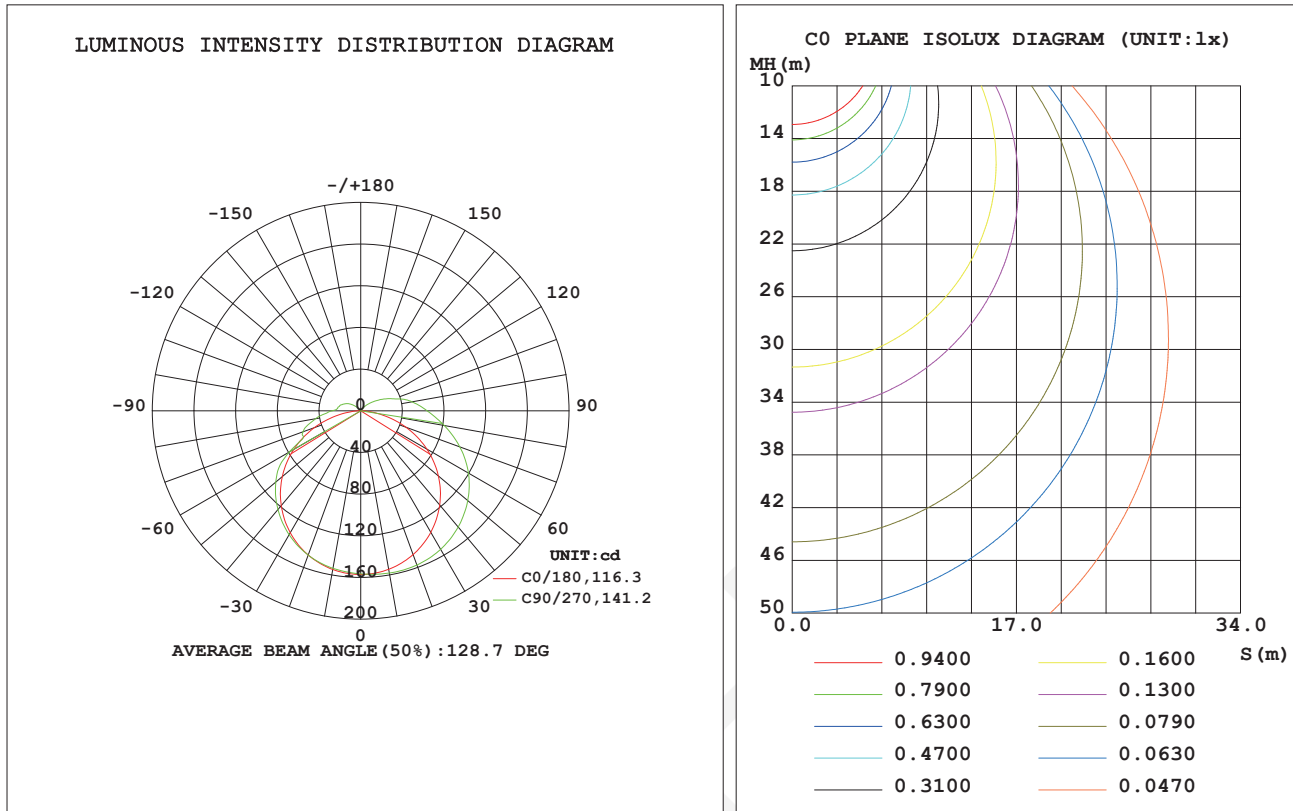
1roll/box-size: 390*390*26mm



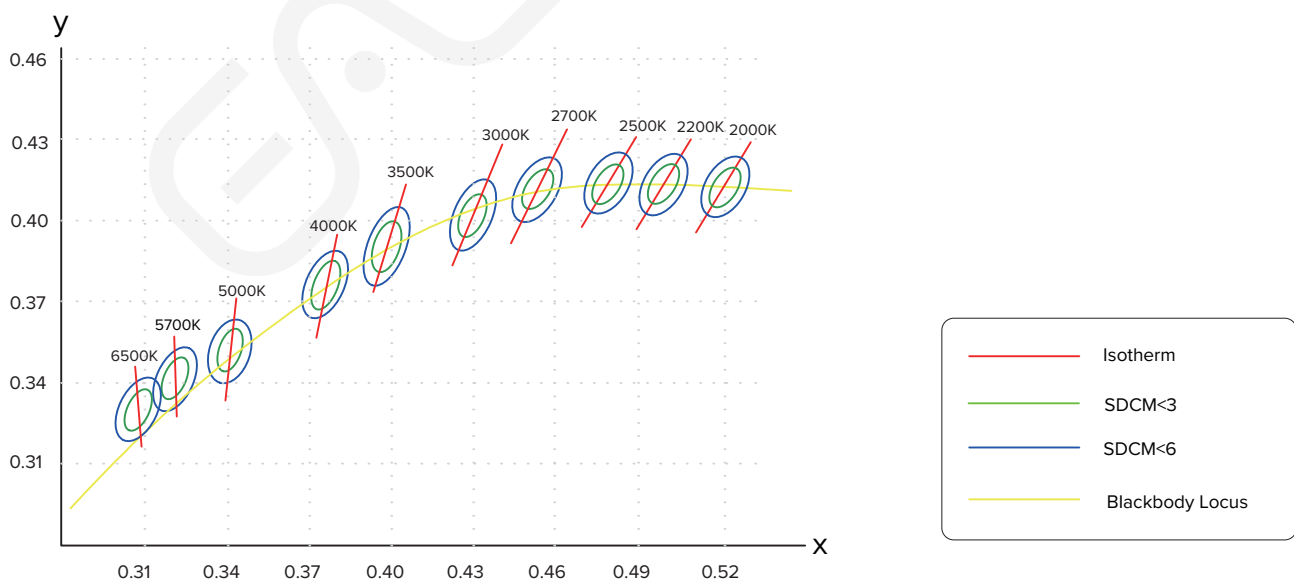
15 box-size:420*400*400mm

8. Appendix

8.1 Luminaire Photometric Data

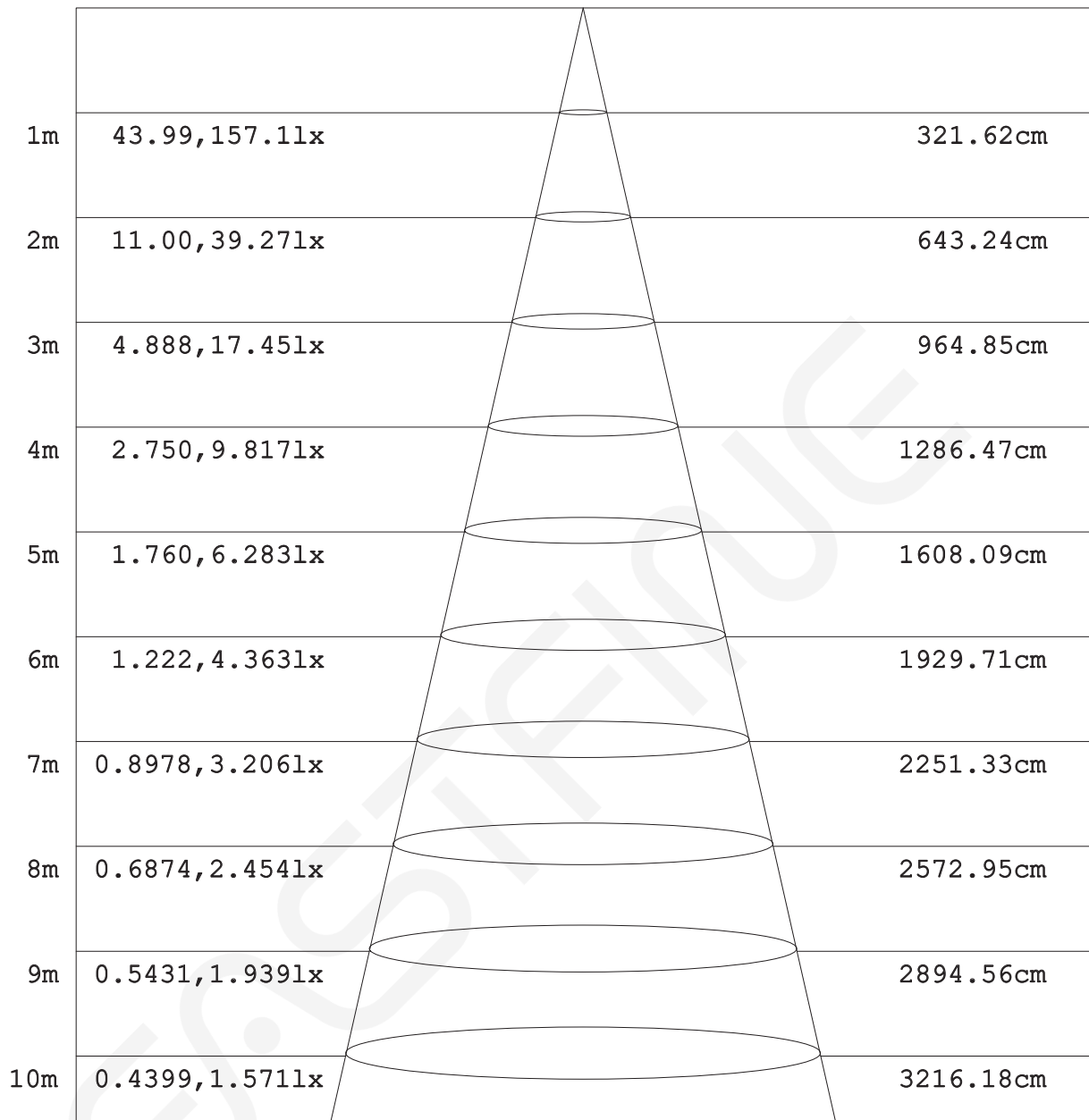


8.2 (X,Y) Chromaticity Diagram



8.3 Illuminance-Distance Diagram

Flux out: 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: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