



NOKE LED LIGHTING TECH LIMITED

Add: 4/F, Building A, Xueziwei Industrial Zone, Shajing Town, Bao-an District, Shenzhen, China

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规格书

NK-EPW4-150W

Product Specification

Product Name: Explosion Proof lamp

Model No: NK-EPW4-150W

Product Code: 201405103

Document Number: NK-EP-COB4-150W

Text Revision: A/0

Development of the Sectoral Documents : Technical Department

Record of the file after issued

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2014-05-10	A/0	First Issued	JINJUN WANG

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一. Product Feature:

Light weight with copper heat sink. High lumen output and lower light decay, No UV and thermal radiation cold light source

- 1、High brightness, energy saving, environment protection and long lifespan Explosion Proof Lamp is available 150W. It can 75% energy saving than traditional Light sources.
- 2、Adopt imported LED Light sources, high lumen output and lower light decay, No UV and thermal radiation cold light source. Light efficiency can be over 120LM/W, CRI is 75Ra and lifespan is 50,000hours
- 3、High thermal conductivity of aluminum alloy housing material. Unique Heat sink design make sure lamps can work steady in -30 to +50 degree.
- 4、Scientific and reasonable second light distribution design with best optical distribution and make the lamps output efficiency above 95%.
- 5、0.95 High power factor constant current driver, resist Lightning stroke and high input voltage. Quake-proof, Explosionproof, Dustproof and Waterproof etc.
- 6、It achieves intelligent automatic control energy saving system and adjustable power. To realize complementary of electric energy, solar energy, wind energy.

二. Product Size:



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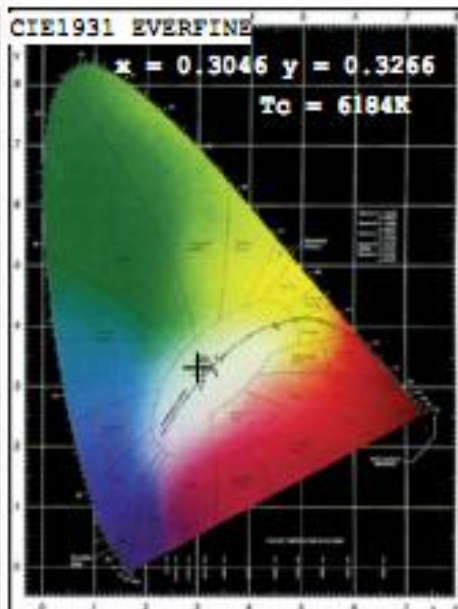
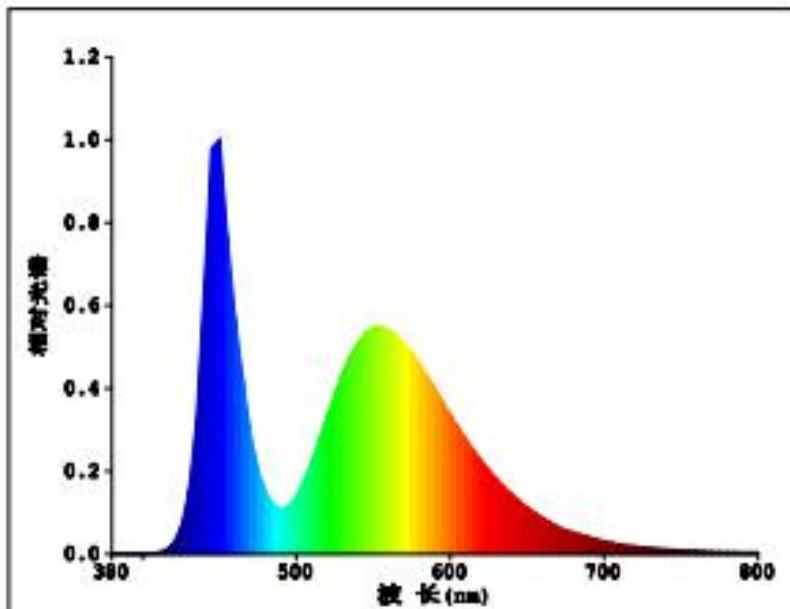
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三、Technical Datasheet: Color Temperature: Cool White 6000K

Model No.	NK-EPW4-150W	
Equivalent	400W High Pressure Sodium Lamp	
LED Light Source	150 W Epistar / BridgeLux Chip / CREE LED	
LED Luminous Efficiency	120-140 lm/W	
Lamp Total Power	150 W	
Input Voltage	AC 90-295V ; LED Voltage :DC 30-36V	
Frequency Range	47-63Hz	
Power Factor(PF)	> 0.95	
Total Harmonic Distortion(THD)	< 15%	
Power Efficiency	> 93%	
Lamp Rated Luminous Flux	> 14500 lm	
Lamp Rated Luminous Efficiency	> 95 lm/W	
Center LUX and Effective Area	8 M Height	16m×16m > 175 LUX
	10 M Height	20m×20m > 78 LUX
	12 M Height	24m×24m > 35 LUX
Color Rendering Index(CRI)	Ra>80	
Color Temperature(Color Temperature)	Cool white: 5000-6500K	
	Pure white: 4000-5000K	
	Warm white: 2700-3500K	
Beam Angle	Horizontal Axis: 120°	
	Vertical Axis: 120°	
Light Distribution Curve(Beam Pattern)	Asymmetric (Bat Wing) / Rectangular Beam	
Storage Temperature	-40℃--+80℃	
Working Environment	-30℃--+50℃ ; 10%-95%RH	
Junction Temperature(Tj)	50℃ ± 10%(ta=25℃)	
Light Body and Lampshade Material	Aluminum Alloy and Tempered glass	
Working Lifetime	> 50,000hrs	
IP Rating	IP65	
Net Weight	9.5 kg	
Gross Weight	10.5 kg	
Product Size (mm)	∅ 460X180mm	
Package Size(mm)	540×540×260mm (1 PCS);	

四、Luminous Flux Test Report:



颜色参数:

色品坐标: $x=0.3046$ $y=0.3266$ / $u'=0.1931$ $v'=0.4659$

相关色温: $T_c=6184K$ 主波长: $\lambda_d=486.7nm$ 色纯度: $Pur=10.2\%$ 质心波长: $540.0nm$

色比: $R=11.2\%$ $G=84.8\%$ $B=4.0\%$ 峰值波长: $\lambda_p=450.0nm$ 半宽度: $\Delta\lambda_p=24.6nm$

显色指数: $R_a=80.4$

R1 =85	R2 =91	R3 =93	R4 =94	R5 =91	R6 =88	R7 =94	
R8 =76	R9 =-11	R10=82	R11=90	R12=83	R13=87	R14=90	R15=71

光度参数:

光通量: 14853.662 lm 辐射通量: 1.6422 W 光效: 99.4 lm/W

分级: 白光分类: OUT

电参数:

灯具电参数: $U=220.3V$ $I=0.6955A$ $P=149.39W$ $PF=0.975$

仪器状态:

扫描范围: 380.0nm-800.0nm
参考通道: REF=6805 (R=2)

扫描间隔: 5.0nm [0]
最大波数: $\lambda=0.238\mu$

主通道峰值: $I_p=15385$ (G=3, D=56)
倍增管: 28.4℃ 测试装置: 28.5℃

AC 220V ; 50Hz

产品型号: Explosion Proof lamp 150W
产品编号: 20140508
环境温度: 25℃
测试人员: 080
软件版本: V2.00.100

制造厂商: NOKE LED LIGHTING
测试单位: R&D
环境湿度: 65%
测试日期: 2014-05-08 16:39:50
测试仪器: 远方PMS-80_V1系统(1004032)

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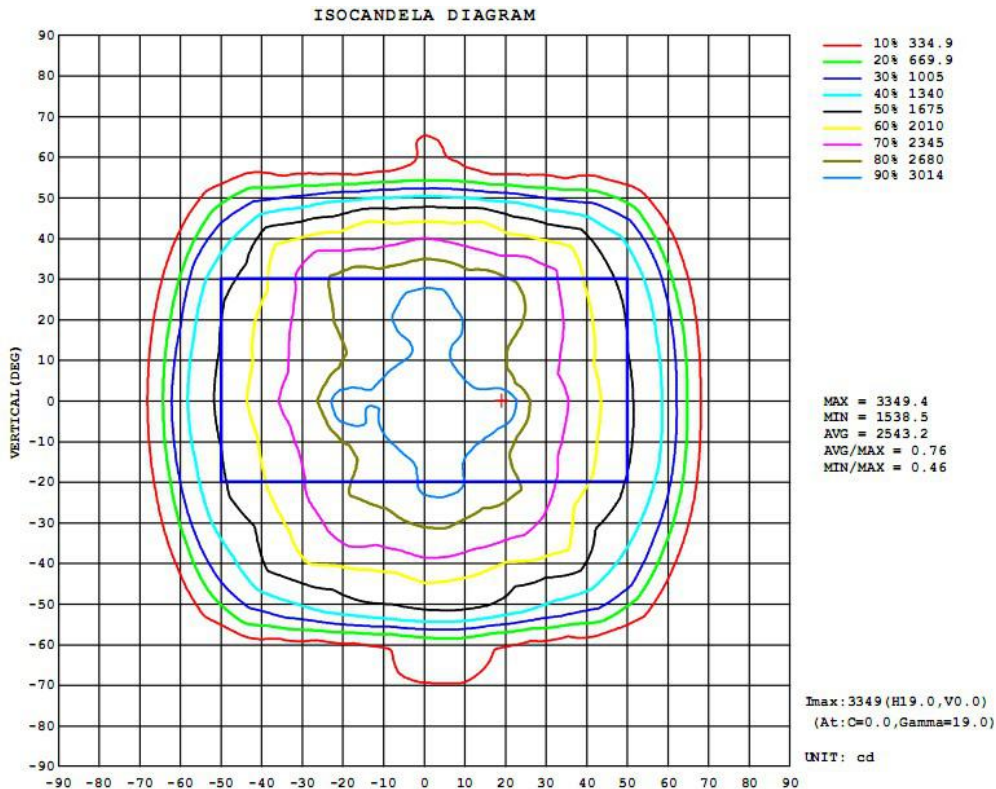
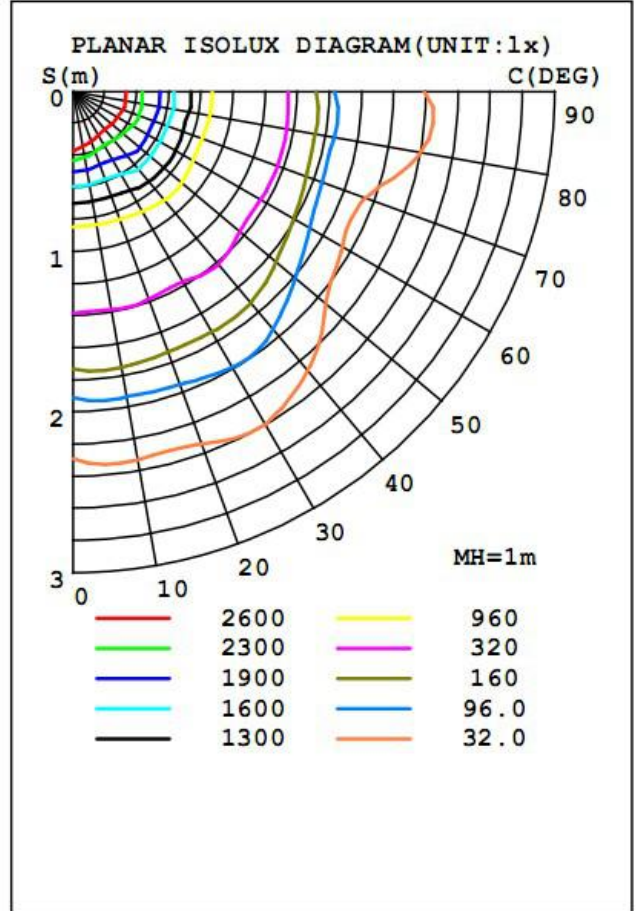
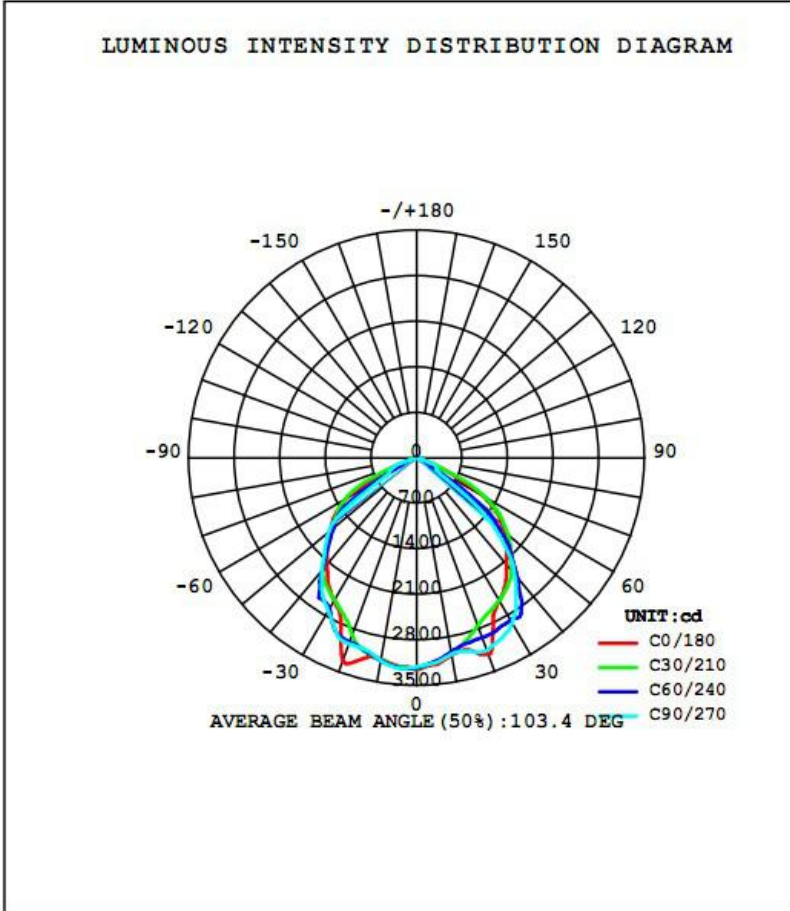
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五、Surface of Intensity Distribution:



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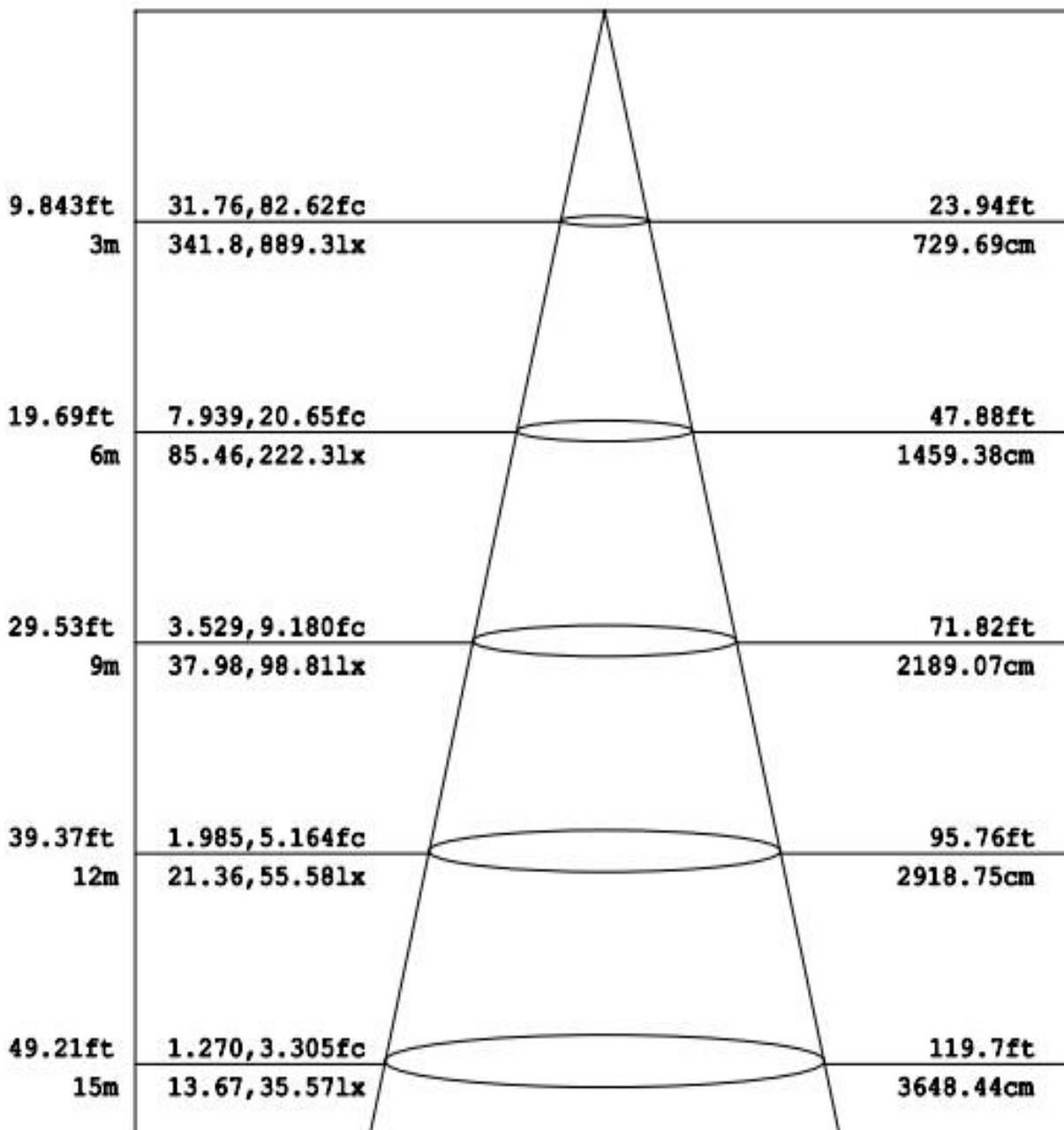
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六、Average Light Intensity:



Height

Eavg, Emax

Angle:133.63deg

Diameter

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



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七、Package:



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八、Notice:

- 1、 Try not to use the hand to touch the cup shell when the products in the course of their work, avoid being scald,
- 2、 Product must be used on the input voltage range, avoid low voltage or high voltage burn driving power supply.
- 3、 After product is switched on, can not be disassembled or installed products, to prevent the risk of electric shock.
- 4、 Install the products, avoid high-altitude drop.
- 5、 Metal housing must be earthed.

九、Attached Sheet:

Product Label

Explosion Proof light			CB
P/N: NK-EPW4-150W		CE	RoHS
Power: 150 W			
Power Factor: > 0.95			
Size: ϕ 460X180mm			
Color: Cool White 6000K			
Voltage: 90-295V AC			
Waterproof: IP65			
Made in China			
			
NK-EPW4-150W-20140510			

Note: the product nameplate in the pure white, warm white, daylight, the sign marking the people responsible for the modification date.



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十、Application:

