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LED FLOOD LIGHT SERIES

The LED flood light series provided by Neolux is designed to replace the current mostly used lighting luminaries, such as halogen lamp, metal halide lamp, energy saving lamp, and sodium lamp. The Luminous can reach 90~100Lumen/W. Environmental friendly; longevity and energy efficient are the common features.

Picture: 10w 20w 30w 50w

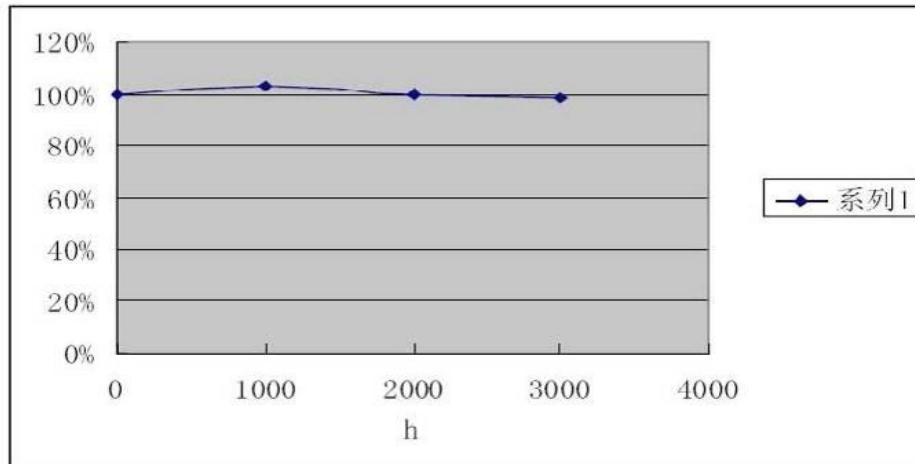
Pictu:80w 100w



Main Features

- Unique optical design leading to uniform and comfortable light rays
- Use CREE LEDs as luminous source, saving energy, having high brightness and long life.
- High luminaire efficiency over 90%
- Power efficiency over 85%, Power factor over 0.98
- Superior color rendering index up to 90 near daylight quality
- Wide color of temperature tuning range from 3000K to 7000K
- Patented appearance and mechanical structure, Being compact and lightweight
- Constant current and low-voltage drive mode leading to high safety and no glares
- Green and environment-friendly: lead-free, no-mercury, no fragile glass
- No environment-harmful materials
- No light pollution: No IR, no UV, Anti-vibration and shock-proof.
- Tremendous energy saving: more than 70% electricity saving over conventional Metal halide lamps
- Long lifetime over 20 years (6 hours a day)
- 3 years warranty

Luminous Curve diagram:



Product catalogue and working parameter

Part No.	NFL-10	NFL-20	NFL-30	NFL-50	NFL-80
Supply Voltage(V)	AC 220/110	AC 220/110	AC 220/110	AC 220/110	AC 220/110
Light Power	10W	20W	30W	50W	80W
Replacement Metal halide	50W	70W	100W	150W	250W
Chip	CREE	CREE	CREE	CREE	CREE
Effeciency(LM/W)	90-100	90-100	90-100	90-100	90-100
Luminous(LM)	1000	2000	3000	5000	8000
Luminous Angel(°)	90	90	90	90	90
Power factor	0.95	0.95	0.95	0.95	0.95
working temperature℃	-45~+85	-45~+85	-45~+85	-45~+85	-45~+85
RA	81/82	81/82	81/82	81/82	81/82
color temperature(K)	3000~6000	3000~6000	3000~6000	3000~6000	3000~6000
Humidity Rating	≤ 95%	≤ 95%	≤ 95%	≤ 95%	≤ 95%
IP rating	65	65	65	65	65

Economic contrast between the LED flood light with metal halide lamp

Comparing Item	Original Lighting system		Latest Lighting system	
	Lighting Source	120w metel halide	Quantity:150pcs	30w LED flood light
Maintenance Cost	Metal halide life is 1year,change 2pcs in 3years		LED long life don't need change in 3 years	
Power Consumption	16 hours per day, operating 3 years, the electricity charge is RMB0.8/KWH(reference price)			
	178,198Kwh/year		29,422.85Kwh/year	
	534,588Kwh/3years		88,268.54Kwh/3years	
Electricity charge	RMB142,556.80 /year		23,538.28RMB /year	
	RMB 427,670.40/3years		70,614.84RMB /3years	
Electricity charge saved	446,319.45Kwh/3years			
	RMB 357,055.56/3years			
Conclusion	In 3 years, compare with the metal halide lamp, the can save RMB357,055.56			

From the above data, we know:

1. The added cost to adopt LED flood light can pay back within 1.5 years, all the invest of the LED flood light can be pay back in 2 years, have remarkable economic benefits.
2. Meanwhile, in 3 years, it can save 446,319.45KWH, have remarkable social benefits.

Application: Outdoor advertising, City lighting

