

LF46S Series LED Flood Light



Products description and application



LF46S series LED flood light, it can aim in any direction, and has a structure that is not affected by weather conditions. Provide energy-saving and low-maintenance lighting solutions, with a variety of optical lenses, to provide a stable and comfortable lighting effect for the lighting area, so that the staff can focus more on work safety and work efficiency. It is mainly used for industrial lighting in ports, wharfs, large-area operations mines, airports, stadiums and other places.

Features

- o Highly reliable, efficient LED light source, long life, energy saving and environmental protection.
- o Integrated design of fin-type lamp housing, strong integrity, sufficient heat dissipation, light weight and good shock resistance.
- o Special spraying process, oxidation resistance, corrosion resistance, fully sealed structure, suitable for high salinity coastal areas.
- o The back angle structure design prevents water and dust accumulation.
- o Equipped with a waterproof and breathable valve to balance the temperature and pressure inside and outside the cavity to protect the LED light source device.
- o The product has multiple color temperature options, good color rendering, anti-glare and good visual effect.
- o PC lampshade, with ultra-high light transmittance.
- o The vertical angle of the mounting bracket is adjustable from 0° to 180° (5° per grid), suitable for lighting in a variety of different positions.
- o Various dimming modes such as 0-10V/PWM/time control can be customized.
- o comes standard with anti-dropping chain and damping pad.

General Specifications

Standards compliant

CE:

EN60598-1、EN60598-2-5、EN62493、EN62471、EN55015、EN61547、EN61000-3-2、EN61000-3-3

UL:

UL1598、UL8750/CSA C22.2 NO250.0-08、CSA C22.2 No250.13

SAA:

AS/NZS60598.2.5、AS/NZS60598.1

Electrical		Structure	
Voltage	120V-277VAC	Colour	Silver
Power	100W 150W 200W	Housing	Aluminum alloy
Frequency	50Hz/60Hz	Lens	PC
PF	>0.9	Surface treatment	Polyester coating
EMC	IEC61000-4-2 Contact discharge: ±8K Air discharge: ±15KV IEC61000-4-3 800~1000MHz 10V/m IEC61000-4-4 ±2KV IEC61000-4-5 L-N: ±2KV L,N-PE: ±4KV IEC61000-4-6 0.15~80MHz 10V/m EN55015 CLASS C	Weight	8 kg (100W、150W、200W)
Dimming	0~10V (Optional)	Installation	U bracket
Wiring	Waterproof gland/lead wire	working temperature	-40°C ~ +50°C (Over temperature protection)
		Working humidity	0~100% RH
		Anti-vibration	IEC60068-2-6 5g
		IP rate	IEC60529 IP67
		IK rate	IEC62262 IK08
		Salt spray grade	ISO9227 720h

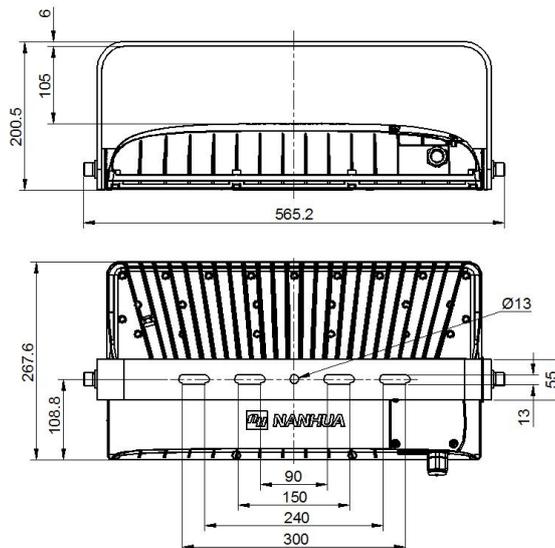
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Photometric					
Light source	LED			LEDs life span	≥60000h
Color temperature	5700K	4000K	2700K	Beam angle	15° / 25° / 60°
CRI	Ra≥70	Ra≥70	Ra≥80		
Light effect	≥140 lm/w	≥130 lm/w	≥130 lm/w		

Mounting dimensions

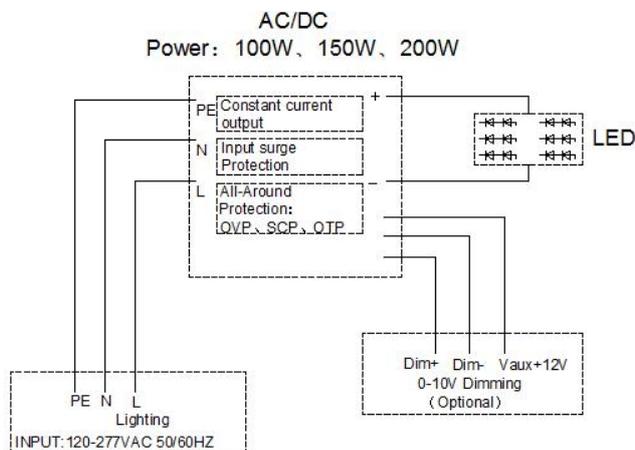
Unit: mm



Installation:

1. Fix the luminaire with M12 screws and anti-falling nuts on the mounting surface. The mounting surface should be flat and have sufficient mechanical strength.
2. Fix the anti-falling chain in an appropriate place, and the fixed surface should have sufficient mechanical strength.

Wiring diagram



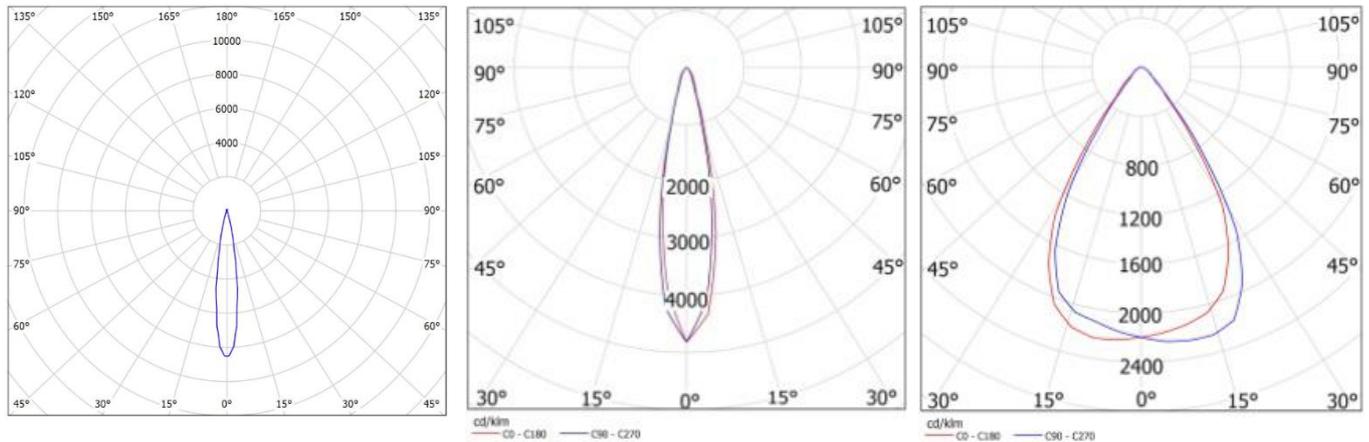
Wiring method:

1. The external power cord of the lamp must meet at least 16AWG (1.3mm²) or more three-core sheathed wire.
2. Connect the lead wires directly to the L, N, and PE terminals.
3. After connecting the power cord, it can work after turning on the power.

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Lighting distribution curve



Precautions

1. The PC material parts of the product should not be in direct or indirect contact with industrial alcohol, banana water, isopropanol, carbon tetrachloride, cyclohexanone and other organic solvents, otherwise there will be a risk of corrosion and cracking.
2. Please connect to the rated working voltage when using.
3. The lamps are not suitable to be covered by heat insulation materials and keep good ventilation.
4. The lamp is not suitable to be directly installed on the surface of ordinary combustible materials.
5. The shortest distance between the lamp and the illuminated object is 3 meters to avoid fire.
6. When using the lamp, do not look directly at the light source.
7. When the lamp is in use, there is a certain temperature rise on the surface of the shell and lampshade, which is a normal phenomenon.
8. To replace and maintain the lamps, the power supply should be cut off first, and the lamps should be cooled down by professionals.
9. Please read the manual carefully before use, if you have any questions, please contact our company.

Selection table

LF46S-①②③④⑤⑥⑦

①Voltage	②Power	③Color temperature	④Beam angle	⑤Way out	⑥Installation	⑦Customization
A 100-240VAC	200 200W	C 5500K-6000K	N 15°	1 Waterproof metal gland	A 316 U-shaped bracket	SS Stainless steel fasteners316
B 120-277VAC	150 150W	W 2700K	M 25°			D1 0-10VDimming
C 277-480VAC	100 100W	N 4000K	W 60°			
D 200-240VAC		R 4200K				
E 48VDC		S 6000K				

Thanks for choosing our products, **NANHUA Electronics** brands specially focus on signal transmission and high quality industrial lighting, we are deeply trusted and favored by different fields customers all over the world.

Please be sure you have read and fully understand the product instruction to operate the product. Incorrect installation and use will cause fire, electric shock and other danger. Please understand for not timely informing because of the product improvement, model and style modification.

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