

# LF46 LED Flood Light



## Products description and application

LF46 high-power LED floodlight using international brand light source and drive to provide more reliable and stable lighting. It is suitable for outdoor lighting in port equipment, girder lighting, maintenance area lighting and other harsh environments.

Standard: IEC60598-1/IEC60068-2/IEC60529/IEC62262/EN55015

Certification:UL / CE



## Features

- Multiple optical light distribution is optional, meeting different lighting requirements in different regions
- Configuration has anti-falling chain and damping pad
- Integrated die cast body, superb mechanical strength achieves 5G vibration resistant capacity.
- Professional fin type heat dissipation design, guarantee LEDs life span.
- 2 degree tilt angle structure design, prevent water and dust accumulation.
- Module design balance the temperature and pressure interior and exterior of the product, protect LEDs devices.
- International brand LED light source and drivers guarantee product stability and durability.
- Tempered glass cover with IK08 rate.

## General Specifications

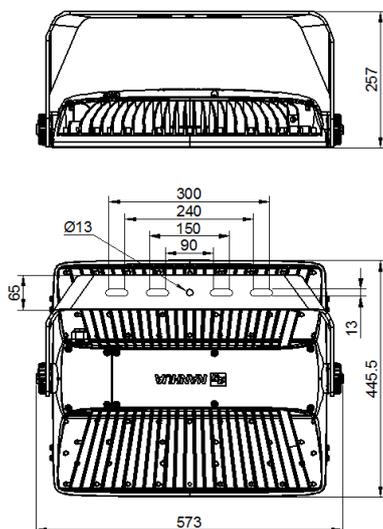
Electrical		Mechanical	
Rated voltage	AC100V~AC240V	Body material	Aluminum alloy
Frequency	50Hz~60Hz	Cover material	Tempered glass
Rated power consumption	300W 400W	Safety wire material	Stainless steel
Power factor	>0.9	Operating temperature	Ta-30°C ~ +60°C(over-heat protection)
Lightning surge	IEC61000-4-5 ±2KV	IP Rate	IEC60529 IP67
Electrostatic discharge	IEC61000-4-2 ±6KV	Anti-vibration	IEC60068 5G
EMC	IEC61000-4-3	IK rate	IEC62262 IK08
	IEC61000-4-6	Salt spray rate	ISO9227 720H
		Body color	Silver
		Weight	16 kg
Photometric			
LEDs life span	≥50000h		
Color temperature	Cold white: 5500K-6000K	Warm white: 2700K-3000K	
Lumen per Watt	Cold white: ≥ 140 lm/w	Warm white: ≥130 lm/w	
CRI	Cold white: Ra≥70	Warm white: Ra≥80	
Beam angle	25°/60°		

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## Mounting dimensions

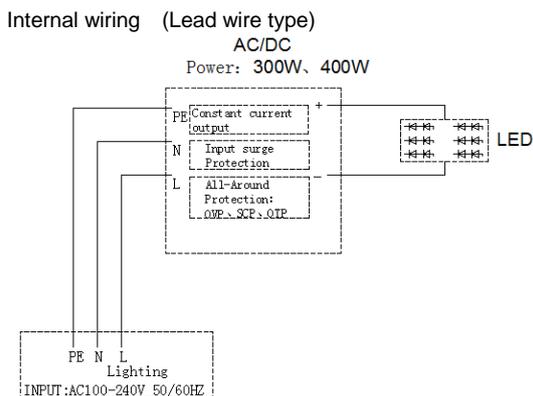
Unit: mm



## Installation and Operation

- Fix product to mount face by using M12 screws(not provided), ensure mount surface is flat and has enough mechanical strength.
- Secure safety wire to suitable position, ensure the position has enough mechanical strength.
- Connect cable L, N, PE to terminal blocks.
- Ensure cable connection is correct before power on.
- Cable is 16AWG(1.3mm<sup>2</sup>) three-core at least.
- No requirement of installation height.

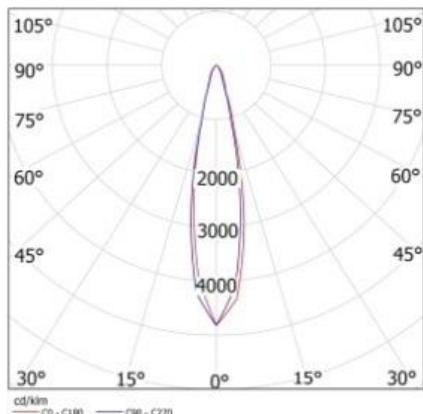
## Wiring diagram



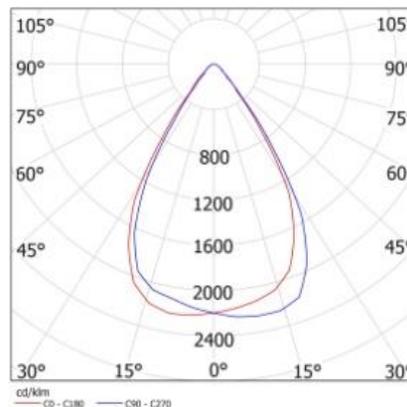
## Caution

- Do not cover the product with any objectives.
- It is normal phenomenon that the lighting surface temperature rising while it is operating.
- Turn off the power when repair or maintain the product, all wiring should be done by a licensed electrician.

LF46 25° Distribution curve flux



LF46 60° Distribution curve flux



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Read and understand these instructions completely and carefully. Wrong installation and operation may lead to fires, electric shock, and others. Due to our continued efforts to improve our products, product specifications are subject to change without notice.

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