

# LW52 series LED Light



## Products description and application

The LW52 series is a versatile LED light designed to meet various industrial needs. It is suitable for operator's cab and walkway of large port machinery (RTG, gantry crane, container crane), internal lighting for wind turbines, ship cabin roof and walkway lighting.

Compliance: IEC60598-1\IEC60068-2\IEC60529\IEC62262\EN55015

## Features

- Compact and lightweight design.
- Wide light distribution minimizes dark spots and glare without eye discomfort.
- Polyurethane housing for enhanced corrosion resistance.
- Tempered glass lampshade for impact resistance.
- Waterproof breathable valves and anti-siphon cables for superior dust-proof and waterproof performance.
- Selection of high-quality LED chips and power supplies with higher efficiency and longer lifespan.

## General Specifications

### Standard

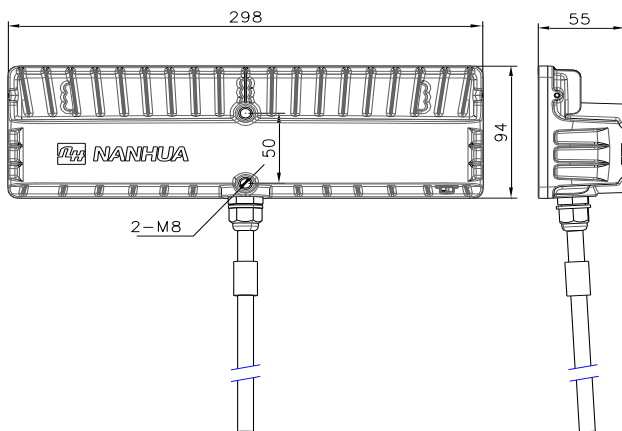
CE: EN 60598-1、EN 60598-2-1、EN 60598-2-22、EN 60493、EN 55015、EN 61547、EN 61000-3-2、EN 61000-3-3

Electrical		Mechanical	
Operating voltage	100-240VAC	Housing color	Silver gray
Frequency	50/60Hz	Housing material	Aluminum alloy
Power consumption	10W/20W	Cover material	Tempered glass
PF	>0.9	Weight	0.8kg
EMC	IEC61000-4-2 Contact discharge $\pm 4\text{kV}$ , Air discharge $\pm 8\text{kV}$	Mounting	Flat Mount 2-M8
	IEC61000-4-4 $\pm 2\text{kV}$	Operating temperature	$-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$
	IEC61000-4-5 L-N: $\pm 2\text{kV}$ L,N-PE: $\pm 4\text{kV}$	Vibration resistant rate	IEC60068 3g
Wiring	lead wire	IP rate	IEC60529 IP65
		Salt spray rate	ISO9227 NSS 720h
Photometric			
Light source	LED	LEDs lifetime	$\geq 50000\text{h}$
CCT	5700K	Beam angle	$160^{\circ} \times 55^{\circ}$
CRI	$R_a \geq 70$	Lumen per Watt	120lm/W
Luminous	1200lm/2400lm		

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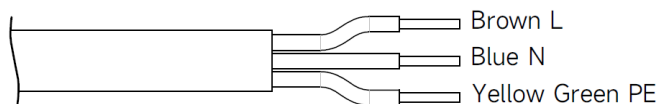
## Mounting dimensions



### Installation:

- Check that the power supply and the lamp's rated voltage match.
- Use 2 M8 screws to fix the lamp on the mounting surface. Please make sure that the mounting surface is strength enough.
- During installation, ensure the arrow on the light panel faces upward, and position the lamp's light-emitting surface at an angle to the walking path for maximum light coverage and improved utilization.
- No specific installation height requirements.

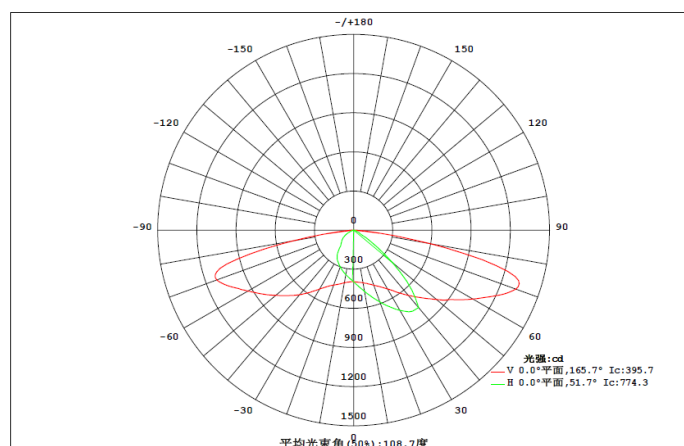
## Wiring diagram



### Precautions:

- This product will have a slight temperature rise when it is working, which is normal.
- Don't open any parts of the lamp when it is working to avoid any anger.
- Do not cover the lamp in operation.
- Retain the nylon waterproof coating when cutting the lead wire.
- This product has a sealed structure and disassembly or assembly must be performed by professionals. Any such attempts will void the warranty.

## Distribution curve flux



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## Selection table

LW52-①②③

① Function	② Voltage	③ Power
/	A:100-240VAC	10:10W 20:20W

## How to Order

P/N	Model	Voltage	Power	Color temp	Beam angle	Wire method	Mounting
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Thanks for choosing our products, NANHUA Electronics is the professional brand of signal transmission and high quality industrial lighting which is trusted and loved by global users from various industries. 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. ©NANHUA Electronics Co., Ltd. All rights reserved. [www.nanhua.com](http://www.nanhua.com)