

## Products description and application

LW22 series LED work lights adopt engineering machinery lighting technology. Product has features of long lifetime, safety operation, maintenance free by using reliable LED light source, suit for the application of engineering machinery, mining machinery, heavy duty truck, etc.  
Standard: GB7000.1/GB2423/DIN40050/GB4208



## Features

- Engineering lighting technology. Product uses reliable and high efficient LED light source, has the advantages of high brightness, long lifetime, energy saving and environment friendly.
- Integrated heat sink and housing design, has advantage of good heat dissipation ability, light weight, strong vibration resistant capacity.
- Special finish technology, product has sealed structure, anti-corrosion and anti-oxidation, suit for strong salinity coastal areas application.
- Adjustable mount bracket, range from 0° to 180
- Complies with EN 55015/ CISPR 15, avoid interference.
- Complies with IEC6100, Lightning surge 0.5KV, Electrostatic discharge 4KV.
- Function optional: 1. Photocell control, 2. Infrared sensor 3. Remote control

## General Specifications

Electrical		Mechanical	
Rated voltage		Body material	Aluminum
Rated power consumption	DC12V-DC32V/DC48V/ AC200-240V	Cover material	PC
Lightning surge	48W	Operating temperature	Ta -30°C +60°C
Electrostatic discharge	GB/T 17626.2-2006 ±500V	IP rate	IEC60529 IP68/IP69K
EMC	GB/T 17626.5-2008 ±4KV	Anti-vibration	IEC60528 20G
Connect	EN 55015/ CISPR 15	Anti-shock	IEC60528 60G
Rated voltage	Lead wire / connector	IK rate	IK08
		Anti-corrosion	ISO9227 720H/ C5-M
		Body color	Black
		Weight	1.8kg
		Mount	M10 stainless steel bolt

Photometric	
LEDs lifetime	≥50000h
Color temperature	Cold white: 5700K Warm white: 2700K
Lumens	Cold white: 4550lm Warm white: 3500lm
Beam angle	30°

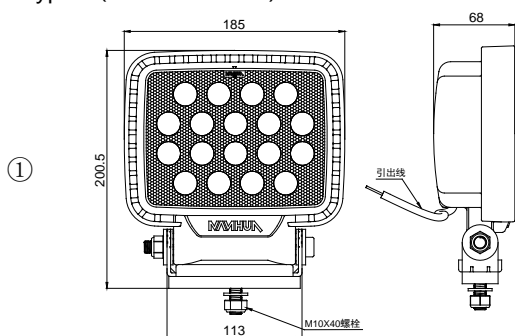
# LW22 LED Work Light



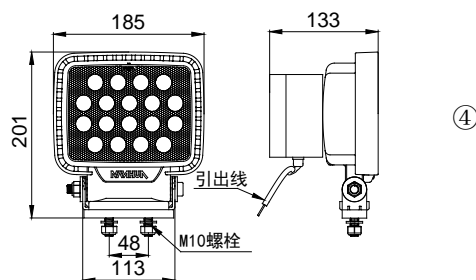
## Mounting dimensions

Unit: mm

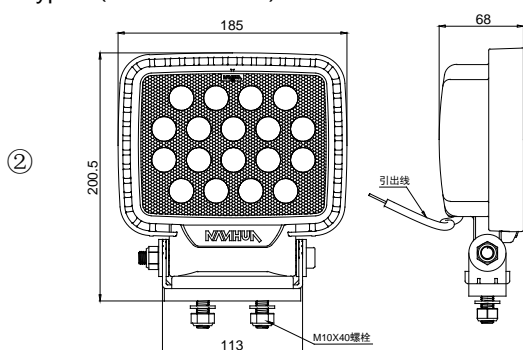
Mount type 1 ( DC12V-DC32V )



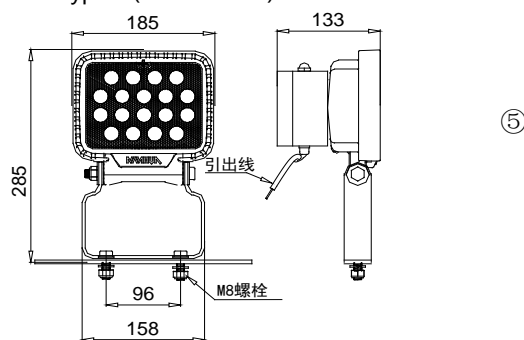
Mount type 4 (AC100-240V)



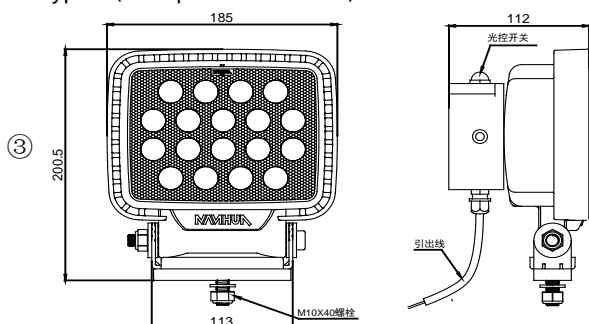
Mount type 2 ( DC12V-DC32V )



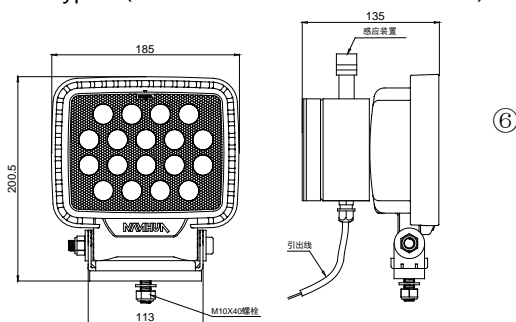
Mount type 5 (AC100-240V)



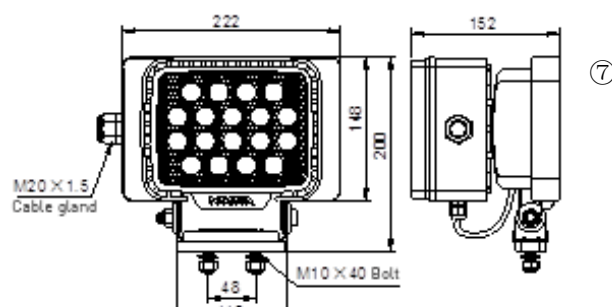
Mount type 3 (With photocell DC48V)



Mount type 6 (With infrared sensor AC100-240V)



Mount type 7 (With remote control AC100-240V)



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## Installation and operation

- Ensure that the input voltage is correct.
- Fix product to mount face by using M10 screws, ensure mount surface is flat and has enough mechanical strength.
- Connect wires to L, N,  $\oplus$  if product is AC version, connect wires to positive and negative if product is DC version.
- Functions in option:

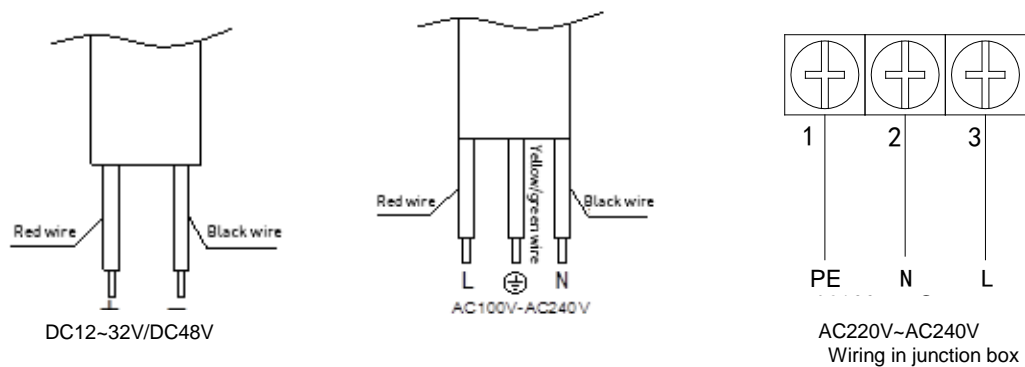
**Photocell**, product on/off is controlled by photocell

**Sensing**, Recommended mount height is 1.8m~2.5m.

When product installation is completed, anti-clockwise turn the timer (TIME) and photocell control (LUX) to maximum value before power on. Product lit up at about 30 seconds after power up, when product is off, sensing again after 5 seconds. Timer(TIME) is used to set product on/off time. Photocell control (LUX) set environment luminance, Sensing control (SENS) set sensing distance.

**Remote control**, distance is about 50 meters.

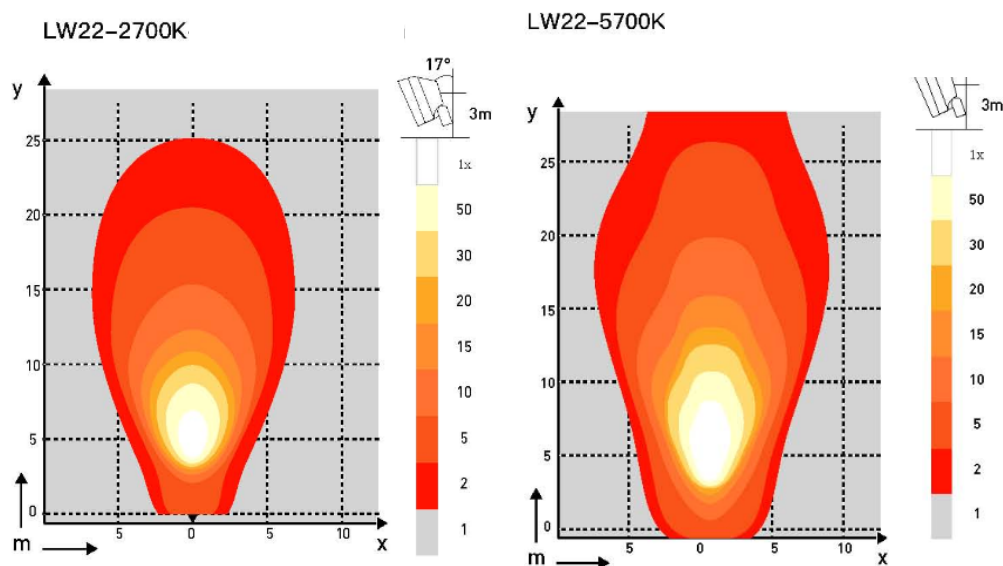
## Wiring diagram



## Caution:

- Do not reverse connection positive and negative.
- Fix mount bracket well before start to use.
- It is normal phenomenon that the lighting surface temperature rising while it is operating.
- Risk of corrosion. Housing material is polycarbonate, not allowed to direct or indirect contact with industrial spirit banana oil, isopropanol, carbon tetrachloride, cyclohexene, etc organic solvent.

## Light distribution pattern



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## How to Order

P/N	Model	Power	Voltage	Color temperature	Beam angle	Wiring	Mount	Mount dimension
1000122-001	LW22	48W	DC12-32V	2700K	30°	1m lead wire	Single bolt	Fig.1
1000122-003	LW22	48W	DC12-32V	5500K-6000K	30°	0.5m lead wire	Dual bolts	Fig.2
1000122-004	LW22	48W	DC48V	2700K	30°	0.5m lead wire	Dual bolts	Fig.3
1000012-005	LW22	48W	DC12-32V	5500K-6000K	30°	1m lead wire	Single bolt	Fig.1
1000122-006	LW22	48W	AC100-240V	5500K-6000K	30°	15m lead wire	Dual bolts	Fig.5
1000122-007	LW22	48W	DC12-32V	2700K	30°	0.5m lead wire	Dual bolts	Fig.2
1000122-008	LW22	48W	AC220V	2700K	30°	0.5m lead wire between product and power supply box, 2m lead wire on power supply box	Dual bolts	Fig.4
1000122-009	LW22	48W	DC36.5V	5500K-6000K	30°	0.5m lead wire	Single bolt	Fig.1
1000122-010	LW22	48W	DC48V	5500K-6000K	30°	0.5m lead wire	Dual bolts	Fig.3
1000122-011	LW22	48W	DC12-32V	5500K-6000K	30°	15m lead wire	Single bolt	Fig.1
1000122-012	LW22	48W	AC100-240V	2700K	30°	15m lead wire	Dual bolts	Fig.7

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.

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