



Products description and application

LW24 series LED work lights adopt mining machinery lighting technology. Product has features of long lifetime, safety operation, maintenance free by using brand high power LED light source, suit for the application of mining machinery (mining truck, grader, drill rig, excavators, etc.), metallurgy, ocean vessels and so on.

Standard: GB7000.1/GB2423/DIN40050/GB4208



Features

- Mining lighting technology. Product uses reliable and high efficient LED light source, has the advantages of high brightness, long lifetime, energy saving and environment friendly.
- Aluminum housing structure design with special surface finish treatment. Product has excellent heat dissipation ability, good anti-vibration capacity, long time stable operating.
- Product has sealed structure, water proof, corrosion and vibration resistant, impact resistant.
- Adjustable mount bracket, range from 0° to 350°. Built-in connector, easy to connect wires.
- Wide input voltage range, over voltage protection. Product operates more stable by using constant current design.
- Complies with EN 55015/ CISPR 15, avoid interference.
- Complies with IEC6100, Lightning surge 1KV, Electrostatic discharge 8KV.

General Specifications

Electrical		Mechanical	
Rated voltage	DC18V-DC32V	Body material	Aluminum
Rated power consumption	50W 88W 100W	Cover material	PC
Lightning surge	GB/T 17626.2-2006 ±1KV	Operating temperature	Ta -40 °C ~ +85 °C
Electrostatic discharge	GB/T 17626.5-2008 ±8KV	IP rate	IEC60529 IP68/IP69K
EMC	EN 55015/ CISPR 15	Anti-vibration	IEC60528 20G
Connect	Lead wire / connector	Anti-shock	IEC60528 60G
		IK rate	IK08
		Anti-corrosion	ISO9227 720H / C5-M
		Body color	Black
		Weight	4.5kg
		Mount	M10 stainless steel bolt

Photometric (Power: 50W)

LEDs lifetime	≥50000h	
Color temperature	Cold white: 5500K-6000K	Warm white: 2700K
Lumens	Cold white: 4900lm	Warm white: 4100lm
Beam angle	25°	

Photometric (Power: 80W)

LEDs lifetime	≥50000h	
Color temperature	Cold white: 5700K	Warm white: 2700K

LW24 LED Work Light



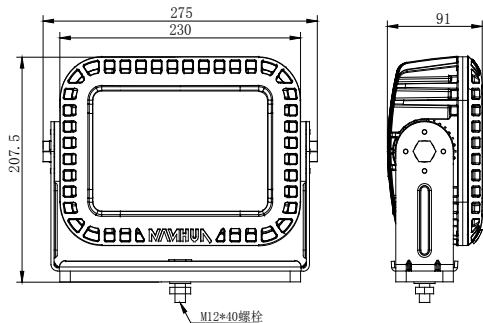
Lumens
Beam angle

Cold white: 9900lm
25°

Warm white: 8400lm

Mounting dimensions

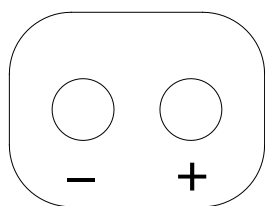
Unit: mm



Installation and operation

- Ensure that the input voltage is correct.
- Fix product to mount face by using M12 screws, ensure mount surface is flat and has enough mechanical strength. Adjustable mount bracket, range from 0° to 350° .
- Product has built-in Deutsch connector, connect foot 1 to positive, foot 2 to negative.

Wiring diagram



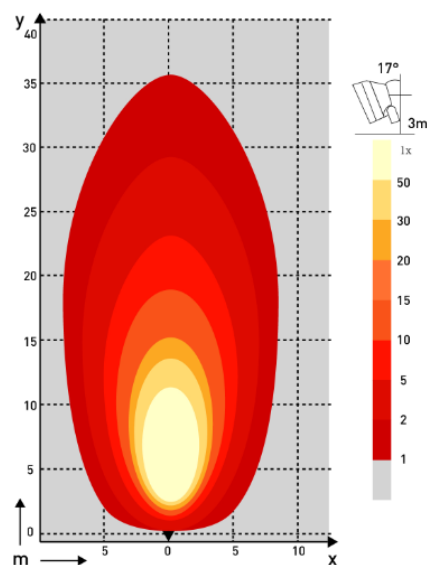
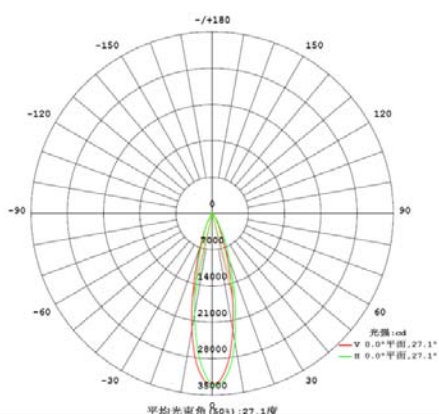
DC18V-DC32V

Caution:

- Do not reverse connect.
- Product has over-temperature protection function, when ambient temperature achieve 55°C, product decrease the power, product maintain 30% rated power in maximum operating temperature.
- Add a 10A fuse to protect circuit when use.
- Fix mount bracket and product 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, cycl hexene, etc organic solvent.

Light distribution pattern

LW240B-CW



LW24 LED Work Light



How to Order

P/N	Model	Power	Voltage	Color temperature	Beam angle	Wiring	Mount	Others
1000124-001	LW24	100W	AC100-240V	5700K	25°	1M lead wire	Flange mount	Customized
1000124-002	LW24	88W	DC18-32V	5700K	25°	Connector	Single bolt	/
1000124-003	LW24	100W	AC100-240V	5700K	25°	1M lead wire	Single bolt	Customized

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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