

LW22 LED Work Light



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: IEC 61000/ EN 55015/DIN40050/ IEC60529/ IEC60528



Features

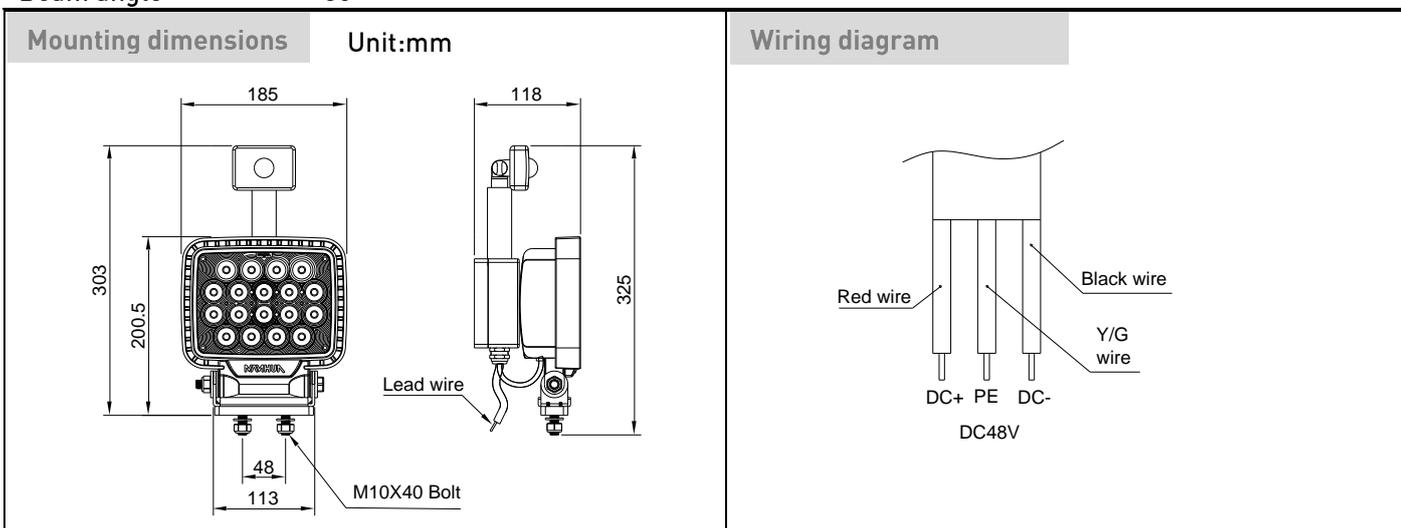
- Engineering lighting technology. Product uses reliable and high efficient LED light source, has the advantages of high brightness, long lifetime, energy saving and environment friendly.
- Integrated heat sink and housing design, has advantage of good heat dissipation ability, light weight, strong vibration 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 IEC61000, Lightning surge 0.5KV, Electrostatic discharge 8KV.
- Function optional: Infrared sensor.

General Specifications

| Electrical | | Mechanical | |
|-------------------------|-----------------------|-----------------------|--------------------------|
| Rated voltage | DC48V | Body material | Aluminum |
| Rated power | 50W | Cover material | PC |
| Lightning surge | IEC 61000-4-5: ±500V | Operating temperature | Ta -25°C +55°C |
| Electrostatic discharge | IEC 61000-4-2: ±8KV | IP rate | IEC60529 IP65 |
| EMC | EN 55015/ CISPR 15 | Anti-vibration | IEC60598 2G |
| Connect | Lead wire / connector | Anti-corrosion | ISO9227 720H/ C5-M |
| | | Body color | Black |
| | | Weight | 2.6kg |
| | | 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° | |



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Installation and operation

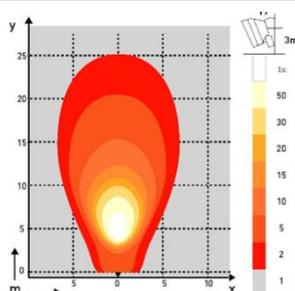
- Ensure that the input voltage is correct.
- Fix product to mount face by using M10 screws, ensure mount surface is flat and has enough mechanical strength.
- Connect wires to DC48+, DC48-, PE if product is AC version, connect wires to positive and negative if product is DC version.

| | |
|---|--|
| <h3>Induction area diagram</h3> <p>140degree detector 12meters, detect range test report 2.5-3meters high, Horizontal, 25°C</p> | <h3>Installation height diagram</h3> <p>Sensing, Recommended mount height is 2.5m.</p> |
| <p>SENS Sensitivity</p> <p>TIME Time adjustment</p> <p>LUX Day and night adjustment</p> | <p>《 SENS , sensitivity set 》</p> <ul style="list-style-type: none"> • Default we set the knob of sens to to max. • To set down the sensitivity, turn the sens knob to lower, you can adjust it to your needs. <p>《 Delaying time set 》</p> <ul style="list-style-type: none"> • Knob to min “ — ”, 6secs after no motion it will turn off. • Knob to max “ + ” 6mins delaying time. • 6sec-6min, you can adjust the delaying time as your need. • The default setting is to max, 6 min. <p>《 LUX set 》</p> <ul style="list-style-type: none"> • The lux knob to Max lux “☀”Sun, it will work detect motion day and night. • The lux knob to min lux “☾”moon, it will work only at dark. • Clients can adjust the lux knob eaily by a screwdriver or fingers. • The default setting is to Sun and moon. |

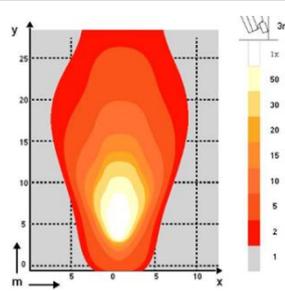
Caution:

- 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



2700K



5700K

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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