# LED EXPLOSION-PROOF LIGHT RECHARGEABLE PORTABLE



## OHJW-8189-Serie

IZUMI LED
TECHNOLOGY OF JAPAN





## Features

This product is a portable multi-purpose emergency maintenance lighting product. It has a wide range of illumination, uniform illumination and high brightness. It is suitable for large-scale team work.

The self-discharge rate of lithium battery pack with large capacity, high energy and no memory is low.

The lamp body is made of aluminium alloy by die casting, and the surface is sprayed with high voltage electrostatic. The exposed fasteners are stainless steel with high anticorrosion. The overall anticorrosion performance is excellent.

Adoptinghigh-intensitytransparentshield,high-transparency,impact-resistant, uniqueanti-glaredesign,withuniqueoptical reflector, it has the characteristics of high light efficiency and low light attenuation.

The explosion-proof structure designed in accordance with the national standard GB3836 document has reliable explosion-proof performance, long life, special constant currexcellent ent power supply, low power consumption and constant output power. It adopts high temperature and aging resistant silica gel sealing ring with high protection grade.

Using the international first-line brand light source chip, unidirectional luminescence, no side light, high light utilization rate, high light efficiency, high display finger, with open circuit, short circuit, overheat protection function, to ensure the reliable and continuous operation of the light source, wide voltage input, constant light flux output, instantaneous start-up.

Unique heat dissipation structure design, and reliable heat dissipation performance, ensure the long life and reliable use of lamps.

## Compliance

CCC, CE, EMC, LVD, RoHS, ATEX

IP66



## Application

This product has explosion-proof function and is suitable for all kinds of flammable and explosive places. It can be used for mobile and efficient lighting in railway, electric power, metallurgy, petroleum, petrochemical, chemical, iron and steel, aviation, ship and all kinds of factories, stations, large-scale facilities, venues and other places.

This equipment can be used in Zones 1 and 2

Ex d e mb IIC T6 Gb can be considered equivalent to equipment with the Class I, Division 1, Groups A, B, C, D, T6 classification in the UL standard.



## Warranty

5-Year Standard Warranty

LED lumen maintenance: L70>100,000hrs (LED)



# Technical Parameter

## • Electrical

| Specification | OHJW8189 |
|---|---|
| Rated Power | 20W |
| Rated Voltage | DC14.4V |
| Input Frequency | 50/60Hz |
| Power Factor | > 0.95 |
| Battery capacity | 7.5 Ah |
| Working hours | 4-9 Hs |

## • Optical

| Specification | OHJW8189 |
|---|---|
| LED Qty | 95pcs |
| Lumens Per Watt | 130 Lm/w |
| CCT | 3000K-5700K |
| CRI | ≥70 |
| Beam Angle | 15D/25D/36D/45D/60D/90D/120D |
| Color Rendering Index | ≥70RA |

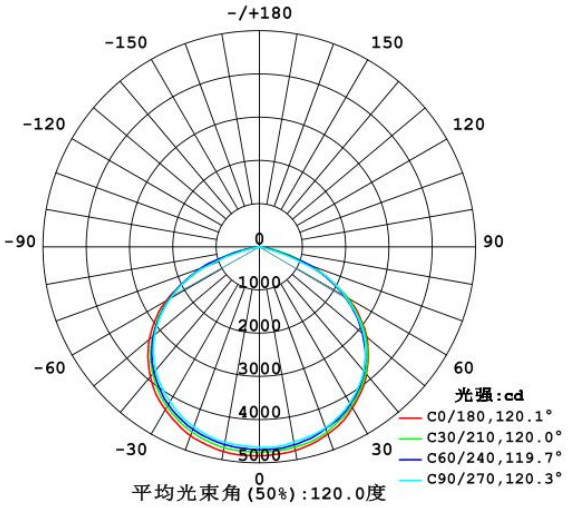
## • Environmental

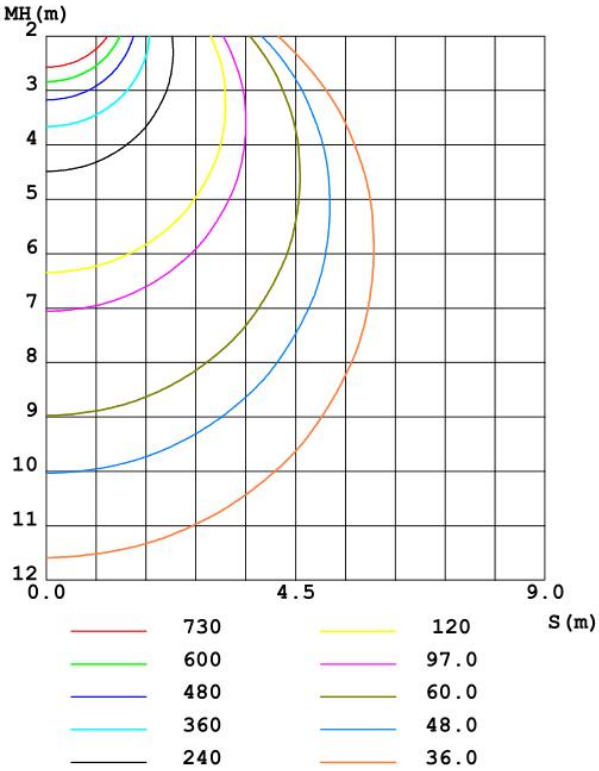
| Specification | OHJW8189 |
|---|---|
| Ambient Operating Temperature | -30~50 °C |

## • Mechanical

| Specification | OHJW8189 |
|---|---|
| Anticorrosion grade | WF2 |
| Explosion proof grade | Ex d e mb IIC T6 Gb |
| Start-up time | ≤0.2 S |
| Executive standard | GB3836.1 /GB3836.2 |
| Base specifications | CR 3030 |
| Weight | 6.7 KG |
| Size | 367x242x374 mm |

## Light distribution diagramt

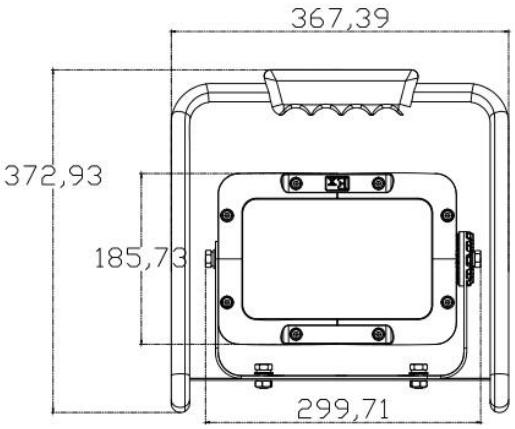


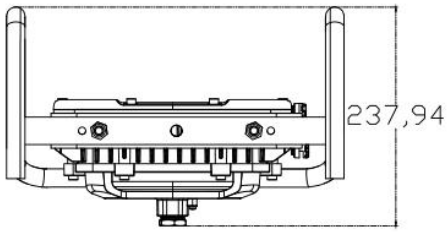



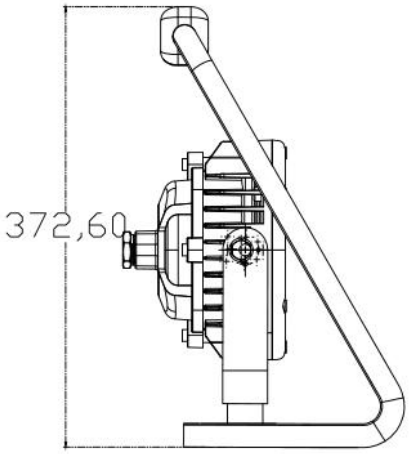

## Packaging

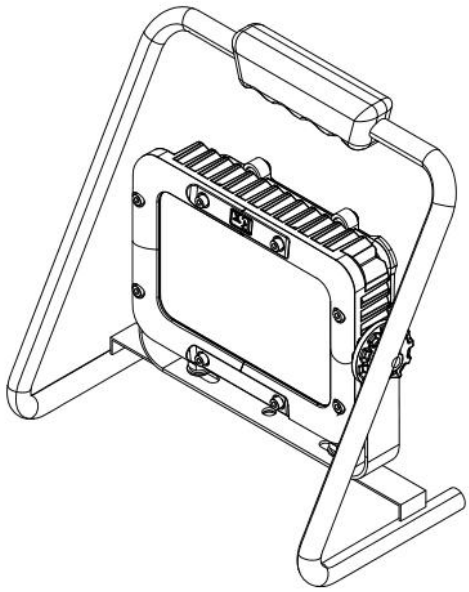
| Name | Description | (pcs) Quantity | Name | Parameter |
|---|---|---|---|---|
| Outer box | 336*514*210cm | 1 | N.W. | 2*7.6kg |
| Foam | 380*109*63mm | 4 | G.W. | 16.2kg |
| Line foam | | 2 | | |
| Packaging method | | 1 pack 2, separate packing for frame | | |

## Dimensions



# Caution

## Schematic diagram

Before installation, it is necessary to check whether the actual operating conditions are in conformity with the parameters listed on the lamp nameplate.

Before installation, please test the lighting according to the parameters of the lamp nameplate to ensure that there is no quality problem before installation.

Before installation, it is necessary to determine the installation location and mode of the lamps according to the installation mode provided by the product, in combination with the on-site use environment and lighting requirements, so as to ensure that the installation is firm and reliable.

Connect the prepared cables with the input cables of lamps and lanterns according to the corresponding fire brown , zero blue and ground yellow-green wires, so as to ensure that the connection is firm, and make good insulation and waterproof measures at the connection.

The input end of the cable can be connected to the power supply of the corresponding voltage to illuminate.

## Using The Matters eeding Attention

This product is an explosion-proof product and can be used in explosion-proof places.

When transporting, the lamp should be installed in the carton equipped with foam shock absorption.

When using, the surface of the lamp has a certain temperature rise, which is a normal phenomenon.

The power supply voltage can work normally in the rated voltage. If the power supply voltage is too high, the lamp will be damaged if the voltage is too low, the lamp will not start normally.

The luminaire must be reliably grounded.

## Quality Assurance

The company has passed ISO900 2008 international quality system audit certification, this product strictly implements ISO900 international quality management system standard production, to ensure that the product quality fully meets national standards and design requirements.