

Explosion Proof High Bay

CS-EXC-1

Pictures



Application scenario

- It is applicable to efficient lighting in railway, electric power, metallurgy, petroleum, petrochemical, chemical, steel, aviation, ships and various plant areas, stations, large facilities, venues and other places.

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- Areas 1 and 2 suitable for explosive gas environment;
- Suitable for IIA, IIB, IIC and Class II explosive gas environment;
- Suitable for places in Zone 21 and 22 of combustible dust environment;
- Applicable to T1-T6 (T5) temperature group;
- Suitable for energy-saving renovation projects and places where maintenance and replacement are difficult;
- Suitable for places with high protection requirements, damp and harsh environment;
- Suitable for places with high corrosion protection requirements, corrosion and harsh environment

Product Features

1. Product configuration: The light source adopts (CREE) brand LED luminous chip, with ultra-high luminous efficiency and an average service life of up to 100000 hours. It is driven by first-line brand power supply, processed with wide-voltage technology, with guaranteed quality, and features constant current output, short circuit and overvoltage protection.
2. Heat dissipation design: the light source radiator and power supply cavity are designed separately, with tight structure, excellent heat conduction and heat dissipation performance, effectively controlling the temperature rise of the lamp within a reasonable range, thus ensuring the service life of the lamp.
3. Explosion-proof performance: The products are developed and designed in strict accordance with the national explosion-proof standard GB3836 series documents, and have obtained the explosion-proof certificate and test report certified by the state. The certificates are complete, precision manufacturing, and the explosion-proof performance is safe and reliable.
4. Protective lampshade: made of high borosilicate tempered glass, corrosion resistant, impact resistant, high light transmittance, uniform and soft light irradiation, anti-glare.
5. Protection and corrosion prevention: the lamp body is treated with high-voltage electrostatic spray plastic, and the screw fastener is made of stainless steel, with high-precision processing technology, which has the characteristics of high corrosion prevention, high water resistance and high dust prevention.
6. Convenient installation: ceiling, suspender and other installation methods can be

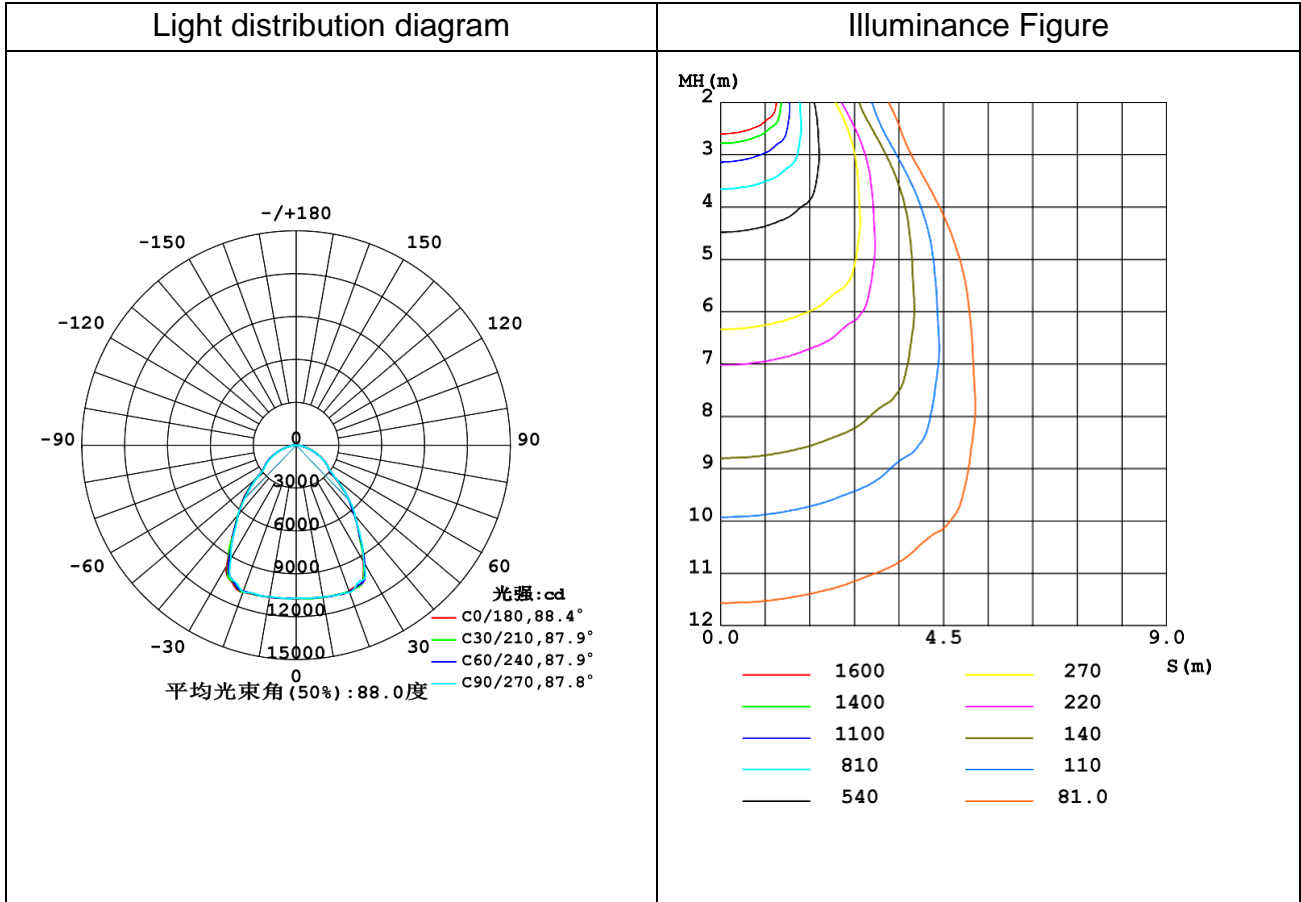
used as required to meet the fixed lighting use in various places such as low ceiling, platform, high ceiling, high ceiling, and other places. The independent human-machine wiring cavity design can quickly realize the series-parallel requirements of lamps, making the installation and wiring more convenient,

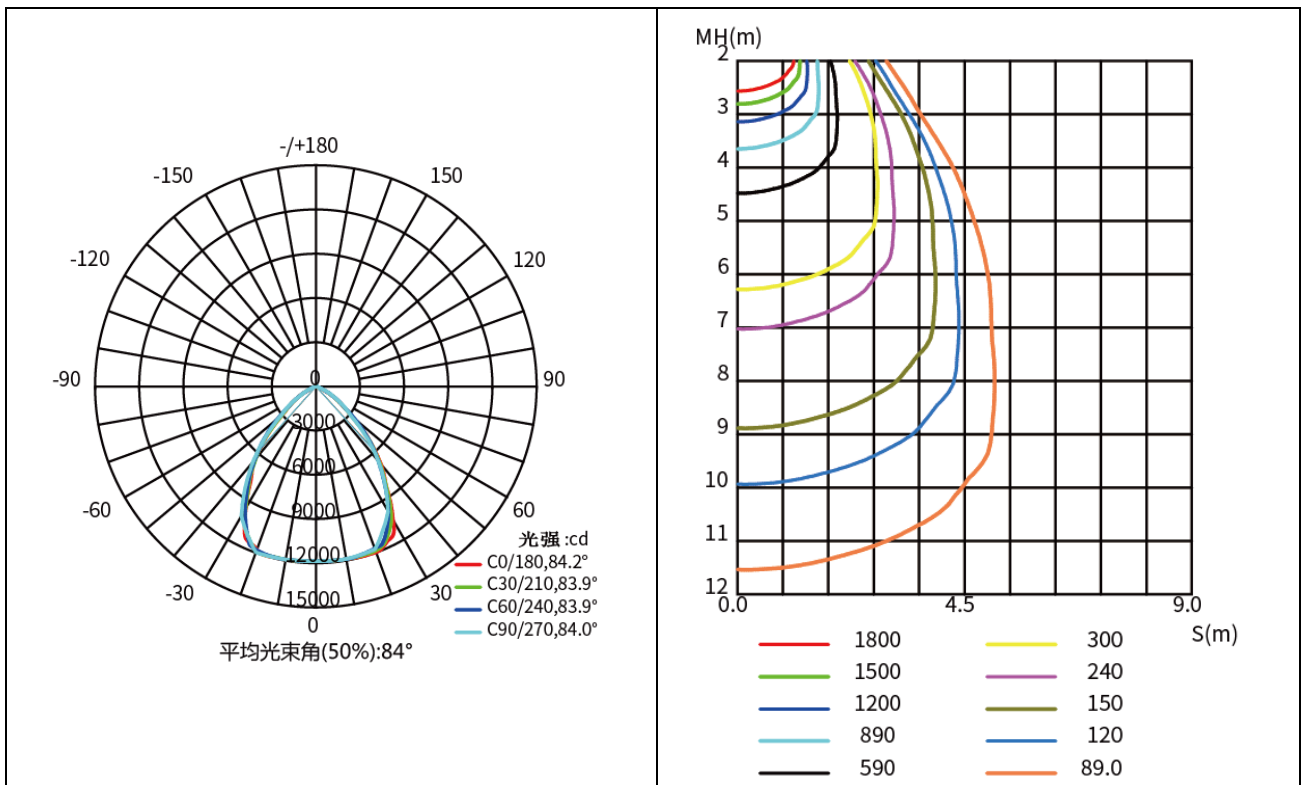
7. Product appearance: the appearance follows the perfect combination of industrial elements and structure, with exquisite design, sharp edges and corners, and special gray color matching, which is suitable for matching various plant environments.

Product parameters

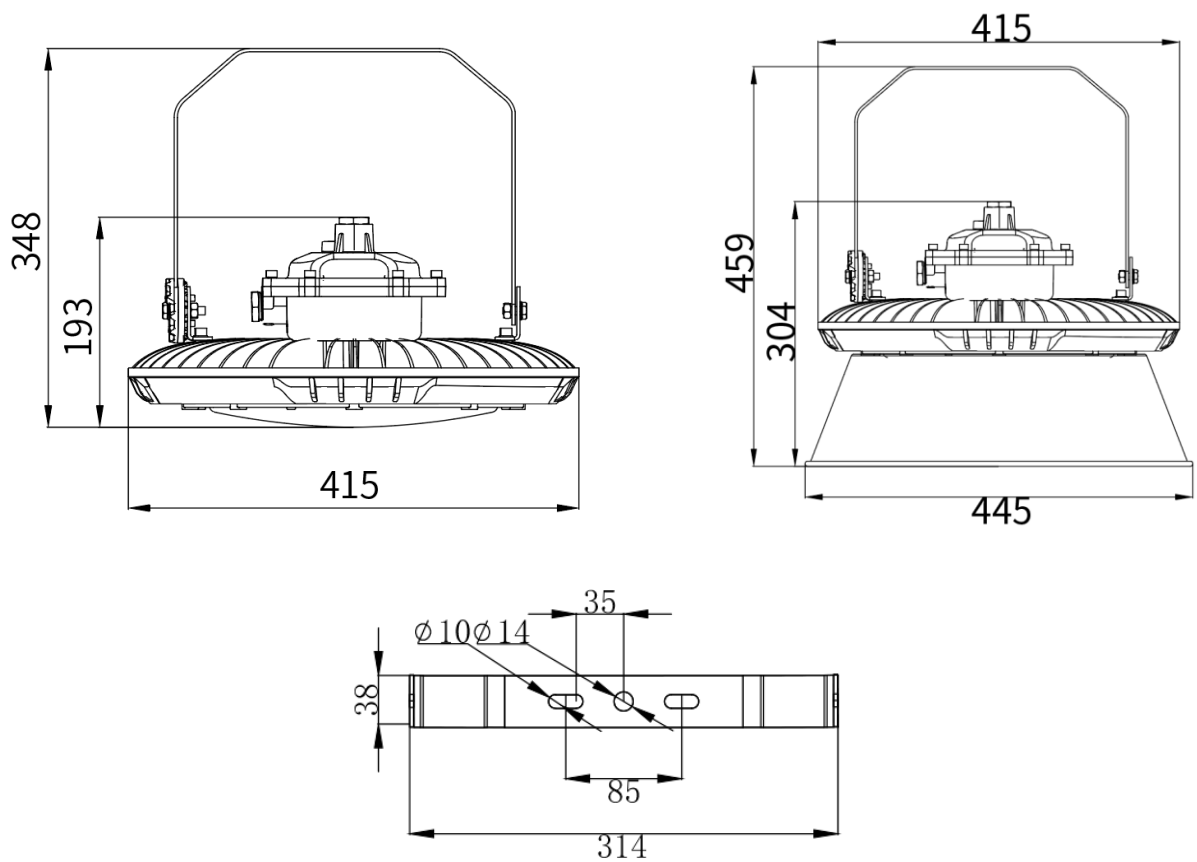
Power	180~280w	Power Factor	> 0.95
Rated Voltage	AC 220V 50/60Hz	Operating Temperature	-20~40℃
Protection Level	IP66	Light Source	led
Lighting Angle	90°	Correlate Color Temperature	3000-6500K
LED Qty	280pcs	Color Rendering Index	≥70RA
Base specifications	CREE3030	LED'S Operating Life	>100000h
Anticorrosion grade	WF2	Explosion proof grade	ExdembIICT5Gb
Light efficiency	120Lm/w	Executive standard	GB3836.1、GB3836.2
Size	Φ415×215mm	weight	9.5kg

Test report

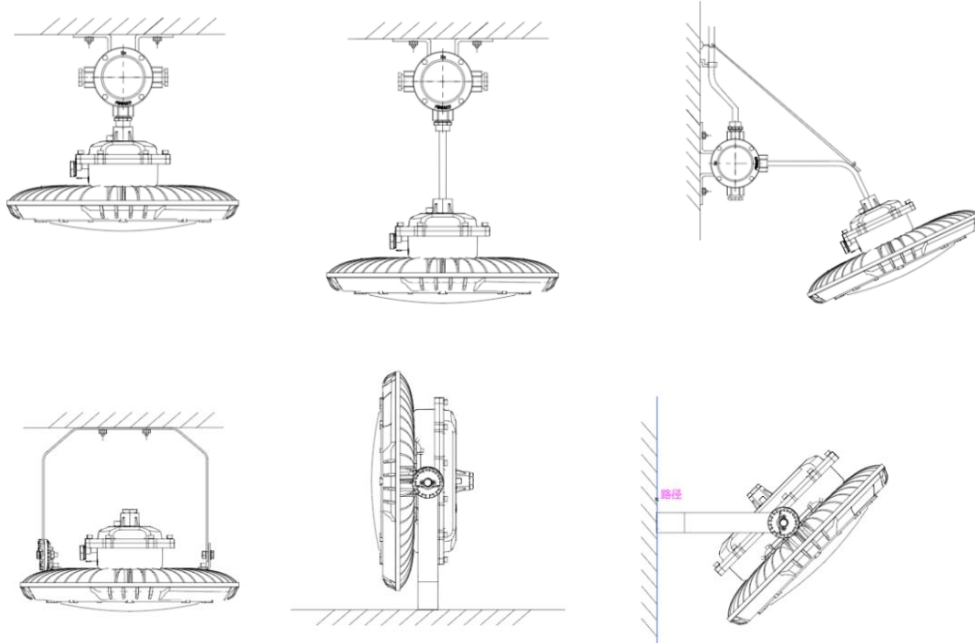




一、Dimensions



二、 Install



三、 Packaging logistics

Outer box	43.2*43.2*26.4cm	1
Foam	35.6*35.6*3cm	1
Safety wire foam	9.5*9.5*5.4cm	1
N.W.	9.5kg	
G.W.	10.5kg	
Packaging method		

四、 Caution

Schematic diagram

1. Before installation, check whether the actual use conditions are consistent with the parameters listed on the lamp nameplate.
2. Before installation, please conduct power-on lighting detection according to the parameters of the lamp nameplate to ensure that the lamp has no quality problems before installation.
3. Before installation, the installation position and installation method of lamps must be determined according to the installation method provided by the product, combined with the site use environment and lighting requirements, to ensure that the installation is firm and reliable.
4. Connect the prepared cable with the input cable of the lamp according to the live wire (brown), zero wire (blue), and ground wire (yellow green) to ensure the connection is firm, and take insulation and waterproof measures at the connection.
5. Connect the input end of the cable to the power supply of corresponding voltage for lighting.

Using The Matters Needing Attention

1. This product can only be used in flammable and explosive dangerous places corresponding to its explosion-proof grade.
2. During transportation, the lamps shall be installed in the cartons provided, and foam shall be added for shock absorption.
3. During use, there is a certain temperature rise on the surface of the lamp, which is a normal phenomenon.
4. The use voltage must be within the voltage range marked on the label before the lamp can work normally. Too high voltage will damage the lamp; If the voltage is too low, the lamp will not start normally.
5. Lamps must be reliably grounded.

Statement: If the user does not operate in violation of the above precautions, resulting in adverse consequences, our company will not bear.

五、 Quality Assurance

The company has passed ISO9001:2008 international quality system audit certification, this product strictly implements ISO9001 international quality management system standard production, to ensure that the product quality fully meets national standards and design requirements.