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## PRODUCT SPECIFICATION



Model	OHBF815-C	Formulate	Tech.
Product name	LED Explosion Proof Lighting	Proofreading	
Jiangsu Ouhui Lighting Co.,Ltd.		Review	
		Approve	
		Date	2019.10.11

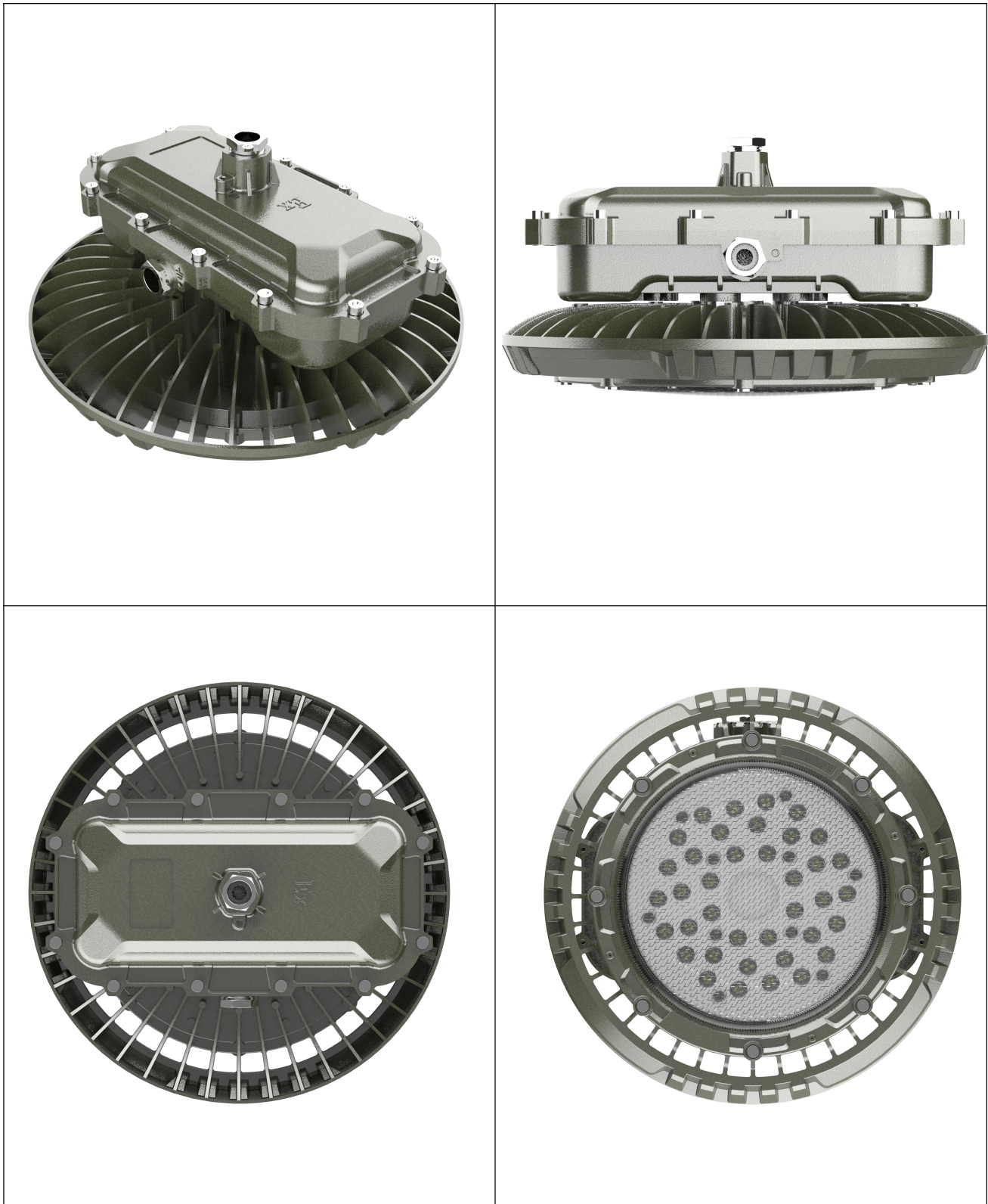
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## 1. Picture of real products



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## 2. Features

### 2.1. Application scenario

This product has good explosion-proof function, suitable for IIA, IIB, IIC explosive gas environment and various inflammable and explosive places, mainly used in railway, electric power, metallurgy, petroleum, petrochemical, chemical, steel, aviation, ship and each Efficient lighting in factories, stations, large facilities, venues and other places.

### 2.2. Product Features

2.2.1.Using imported LED light source, the average service life is up to 100,000 hours. The power supply adopts wide voltage processing, which can achieve constant current output. It has the function of short circuit and over voltage protection, and greatly prolongs the service life of the lamps.

2.2.2.The design of the convection structure with independent upper and lower ventilation improves the heat dissipation performance and avoids the accumulation of dust in conventional LED radiators. The radiators are arranged in an internal and external circular array to improve the heat dissipation performance.


2.2.3.Using high purity tempered glass, the transmittance is as high as 95%-98%. Light projection is uniform and soft, especially suitable for all kinds of low-roof, platform, high-roof, high-shed and other places as fixed lighting.

2.2.4.The protection level of the lamp body is IP66, and the anti-corrosion level can reach WF2. The surface of the lamp body will never corrode and rust.

2.2.5.Various installation modes such as suspended ceiling, bent bar, vertical bar, ceiling suction and U-shaped shock-proof bracket (adjustable angle) can be adopted as required.

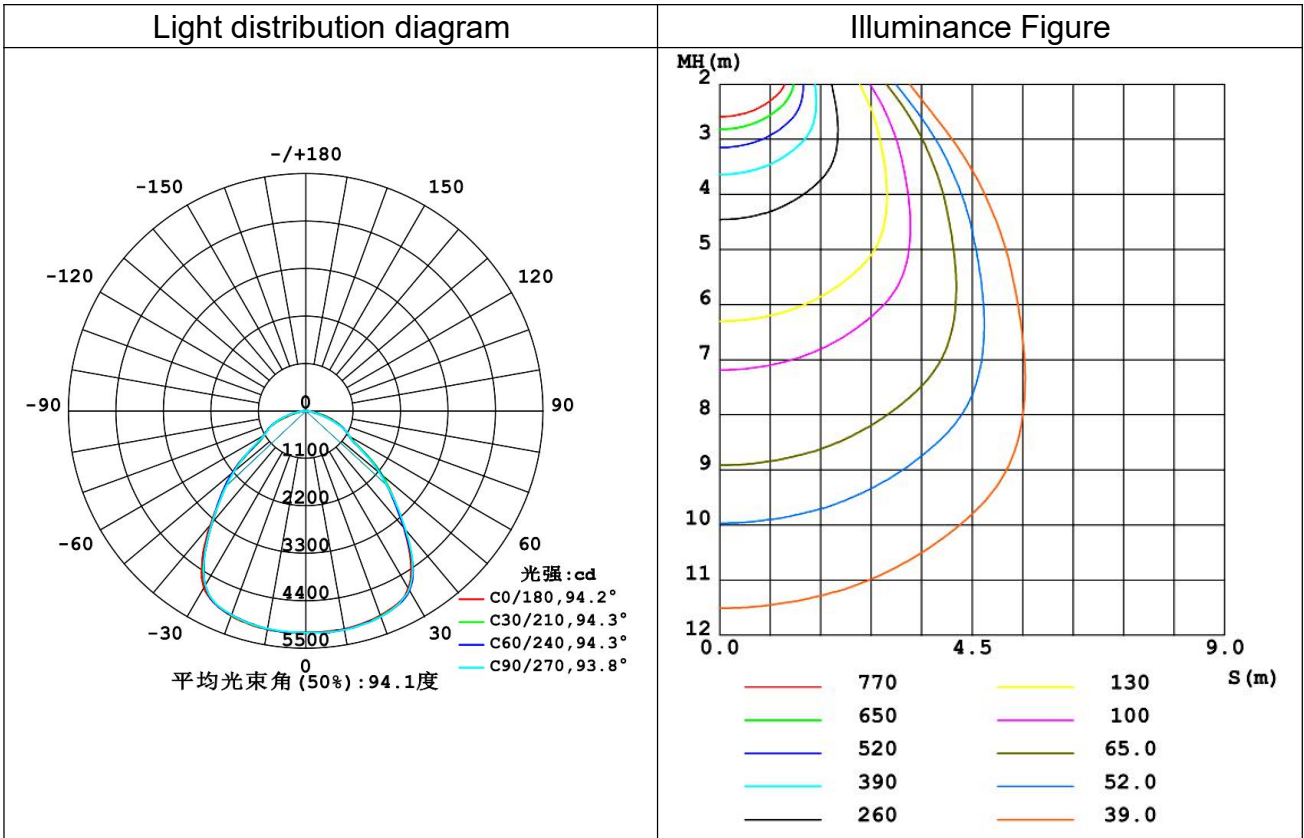
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### 3. Product parameters

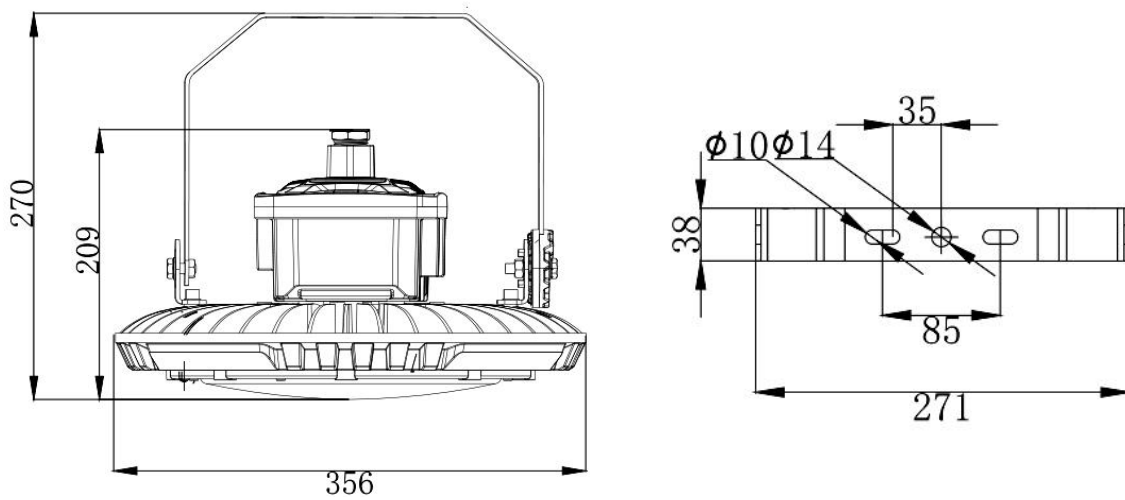
ITEM	Symbol	Description	UNIT
Picture of real products			
Rated Voltage	VOLT	220	V
Power	P	100-150	W
Protection Level	IP	IP66	IP
Lighting Angle	$\theta$	90	°
LED Qty	/	140	PCS
Base specifications	/	CREE3030	
Anti-corrosion grade	/	WF2	
Explosion proof grade	/	Ex d e mb IIC T6	
Light efficiency	$\eta$	120	Lm/W
Frequency	f	50/60	Hz
Power Factor	PF	>0.95	PF
Operating Temperature	TOPR	-30~50	°C
Storage Temperature	TOPR	-30~50	°C
Light Source	/	led	PCS
Correlate Color Temperature	Tc	3000-6500	K
Color Rendering Index	CRI	≥70	RA
LED'S Operating Life	LIFE	100000	Hours
Start-up time	T	≤0.2	S
Executive standard	/	GB3836.1、 GB3836.2	
Weight	/	8.8	KG
Size	/	Φ356×209	mm

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### 4. Test Report

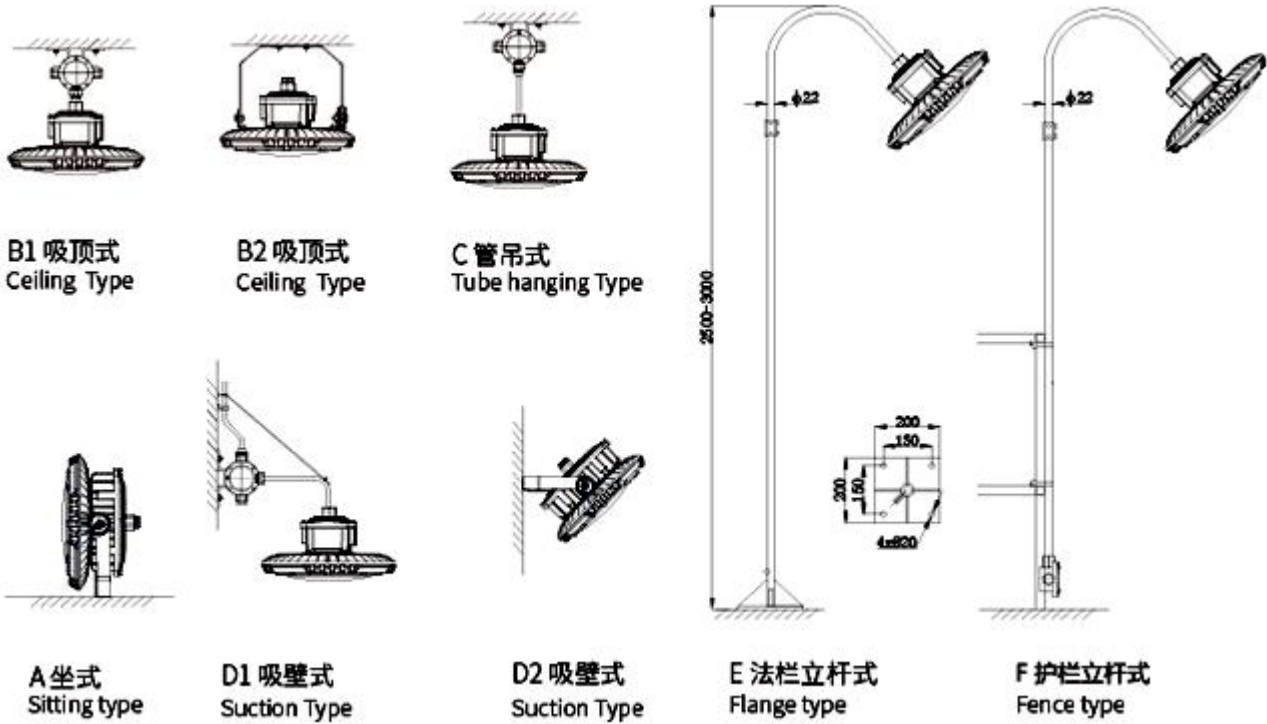


### 5. Dimensions



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## 6. Installation



## 7. Packaging logistics

Name	Description	(pcs) Quantity	Name	Parameter
Outer box	37.3*37.3*25.3cm	1	N.W.	7.8kg
Foam	35.6*35.6*3cm	1	G.W.	8.7kg
Line foam	9.5*9.5*5.4cm	1		
Packaging method		1 hold 1		



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## 8. Caution

### 8.1. Schematic diagram

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

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

8.1.3.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.

8.1.4.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.

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

### 8.2. Using The Matters Needing Attention

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

8.2.2. Transport lights should be installed in the cartons equipped with foam shock absorption.

8.2.3. When used, there is a certain temperature rise on the surface of lamps and lanterns, which is a normal phenomenon.

8.2.4. Power supply voltage can work normally in the range of rated voltage, too high power supply voltage will damage the lamp; too low voltage will cause the lamp can not start normally.

8.2.5. Lamps must be grounded reliably.

### 8.3.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.