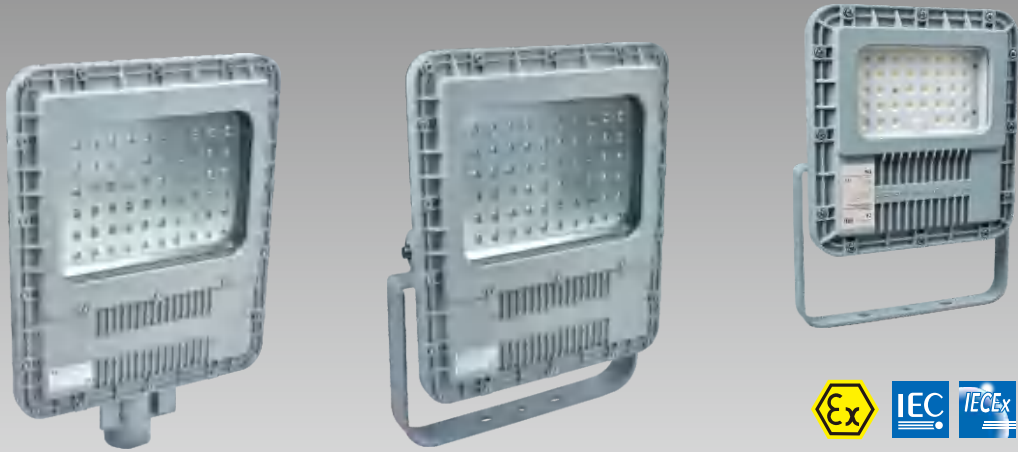


# CZ0878/2□1


**A**

## 描述 Descriptions

防爆泛光灯外壳由铝合金压铸成型，表面喷涂纯环氧树脂粉末，抗腐蚀性能好。透明罩采用钢化玻璃，外露紧固件采用不锈钢材料。防爆泛光灯的接线盒从下面进线，适用于橡胶套和铠装电缆布线，内部接线端子选用菲尼克斯国际认证笼式端子，便于接线。

防爆泛光灯具内装 LED 颗粒，经专业的光学配光设计构成四种配光：宽光型、窄光型、路灯型和标准型，灯具散热结构经专业的热学分析设计及特制铝基板导热结构，确保灯具工作时所产生的热量能很好的散热。能满足石化、化学和海上工业照明的相关要求。

防爆泛光灯安装形式可分为支架式安装和杆式安装。

- 长寿命免维护，使用寿命长达50000小时，可实现长期免维护
- 具有良好的电磁兼容性，不会对系统电网造成干扰
- 宽电压设计，电压波动无影响
- LED属于固态光源，抗震性能佳
- 安装维护方便
- 防护等级高达IP66
- IECEx 国际认证，ATEX 欧洲认证
- 可定制高光效光源，光效≥135lm/W（符合中国一级能效标准）

The explosion-proof lamp shell is made of aluminum alloy die-casting, and the surface is sprayed with pure epoxy resin powder, with good corrosion resistance. The transparent cover is made of tempered glass, and the exposed fasteners are made of stainless steel. The junction box of explosion-proof floodlight is wired from the bottom, which is suitable for rubber sleeve and armored cable wiring. The internal wiring terminal adopts PHOENIX international certified cage terminal for easy wiring.

The explosion-proof lamps are equipped with LED particles, and four kinds of light distribution are formed through professional optical light distribution design: wide beam, narrow beam, street lamp beam and standard beam. The heat dissipation structure of the lamps is designed through professional thermal analysis and special aluminum substrate heat conduction structure to ensure that the heat generated during the operation of the lamps can be well dissipated. It can meet the relevant requirements of petrochemical, chemical and offshore industrial lighting.

It is available in bracket mounting and pole mounting types.

- It is long life and maintenance-free which the service life is up to 50000 hours and the maintenance-free of long term.
- There is a feature of good electromagnetic compatibility and it does not cause interference to the system power grid.
- It is not influenced by the voltage fluctuations and can be operated in the wide voltage range
- There is a good performance of vibration due to the LED is the solid-state light source.
- It is convenient to be mounted and maintained.
- The degree of protection is up to IP66.
- International IECEx Approval, Europe union ATEX Approval.
- Customized high light efficiency light source whose light efficiency ≥ 135lm/w (Meet China's first-class energy efficiency standards)

## 1 区和 2 区

## 21 区和 22 区

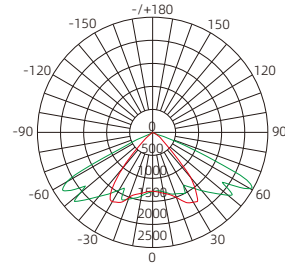
## Zone 1 and zone 2

## Zone 21 and zone 22

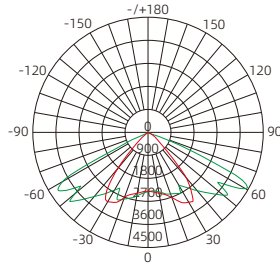
**配光曲线 Luminous intensity distribution curve** — C0/180 — C90/270

光强单位 luminous intensity unit: cd

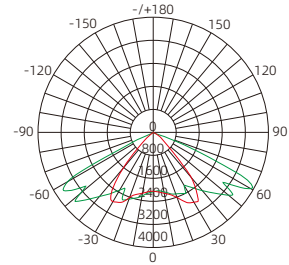
**CZ0878/211 防爆LED泛光灯 (宽光型) Explosion-proof floodlight light fittings (wide beam)**



平均光束角 (50%) : 110.0度  
The average beam angle (50%) : 110.0 Degree  
CZ0878/211 □-LED0060WWB



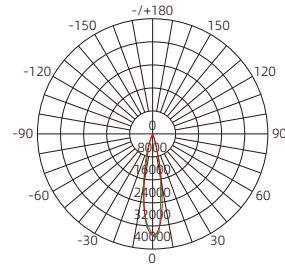
平均光束角 (50%) : 105.5度  
The average beam angle (50%) : 105.5 Degree  
CZ0878/211 □-LED0075WWB



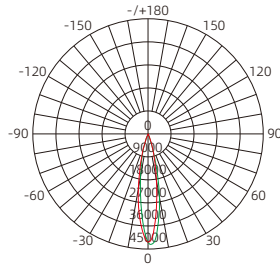
平均光束角 (50%) : 106.6度  
The average beam angle (50%) : 106.6 Degree  
CZ0878/211 □-LED0090WWB

**A**

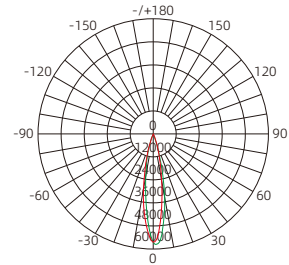
**CZ0878/211 防爆LED泛光灯 (窄光型) Explosion-proof floodlight light fittings (narrow beam)**



平均光束角 (50%) : 20.1度  
The average beam angle (50%) : 20.1 Degree  
CZ0878/211 □-LED0060WNB

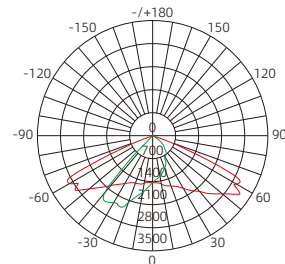


平均光束角 (50%) : 20.0度  
The average beam angle (50%) : 20.0 Degree  
CZ0878/211 □-LED0075WNB

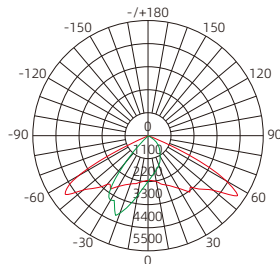


平均光束角 (50%) : 19.2度  
The average beam angle (50%) : 19.2 Degree  
CZ0878/211 □-LED0090WNB

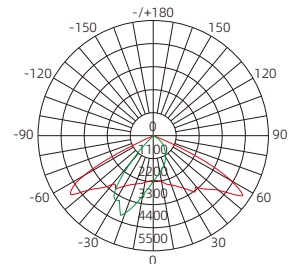
**CZ0878/211 防爆LED泛光灯 (路灯型) Explosion-proof floodlight light fittings (Street light beam)**



平均光束角 (50%) : 93.9度  
The average beam angle (50%) : 93.9 Degree  
CZ0878/211 □-LED0060W SL

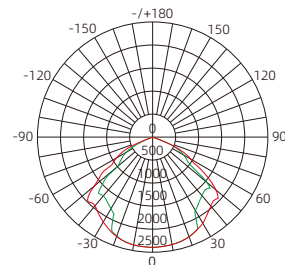


平均光束角 (50%) : 84.5度  
The average beam angle (50%) : 84.5 Degree  
CZ0878/211 □-LED0075W SL

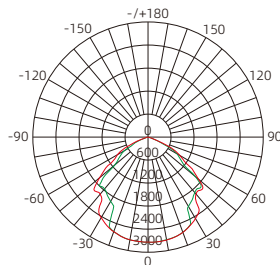


平均光束角 (50%) : 84.5度  
The average beam angle (50%) : 84.5 Degree  
CZ0878/211 □-LED0090W SL

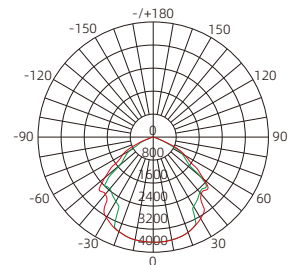
**CZ0878/211 防爆LED泛光灯 (标准型) Explosion-proof floodlight light fittings (Stadard beam)**



平均光束角 (50%) : 106.2度  
The average beam angle (50%) : 106.2 Degree  
CZ0878/211 □-LED0060W 1



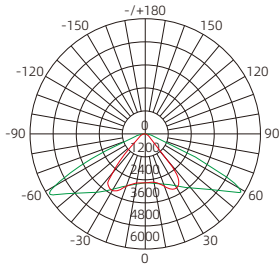
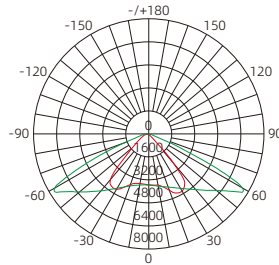
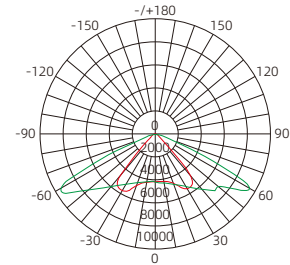
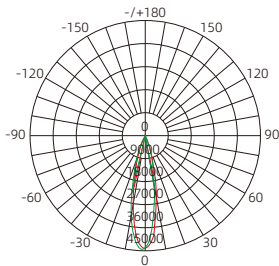
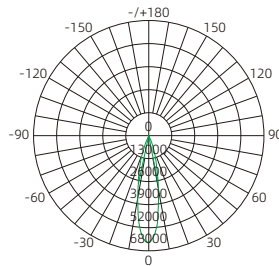
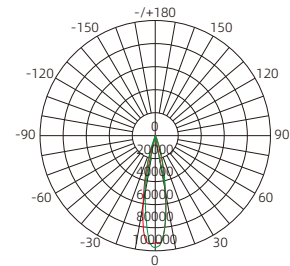
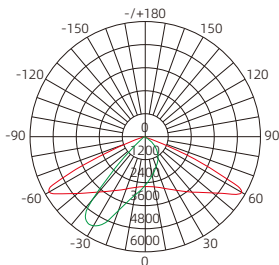
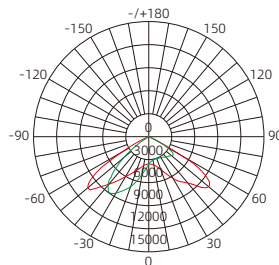
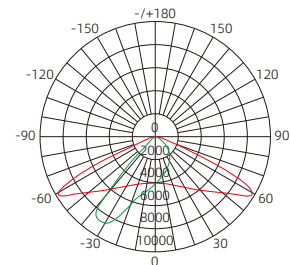
平均光束角 (50%) : 105.0度  
The average beam angle (50%) : 105.0 Degree  
CZ0878/211 □-LED0075W 1



平均光束角 (50%) : 105.0度  
The average beam angle (50%) : 105.0 Degree  
CZ0878/211 □-LED0090W 1

**配光曲线 Luminous intensity distribution curve** — C0/180 — C90/270

光强单位 luminous intensity unit: cd

**CZ0878/221 防爆泛光灯 (宽光型) Explosion-proof floodlight light fittings (wide beam)**

 平均光束角 (50%) : 107.5度  
 The average beam angle (50%) : 107.5 Degree  
**CZ0878/221 □-LED0120W WB**

 平均光束角 (50%) : 113.6度  
 The average beam angle (50%) : 113.6 Degree  
**CZ0878/221 □-LED0160W WB**

 平均光束角 (50%) : 108.8度  
 The average beam angle (50%) : 108.8 Degree  
**CZ0878/221 □-LED0200W WB**
**CZ0878/221 防爆泛光灯 (窄光型) Explosion-proof floodlight light fittings (narrow beam)**

 平均光束角 (50%) : 23.1度  
 The average beam angle (50%) : 23.1 Degree  
**CZ0878/221 □-LED0120W NB**

 平均光束角 (50%) : 22.9度  
 The average beam angle (50%) : 22.9 Degree  
**CZ0878/221 □-LED0160W NB**

 平均光束角 (50%) : 22.3度  
 The average beam angle (50%) : 22.3 Degree  
**CZ0878/221 □-LED0200W NB**
**CZ0878/221 防爆泛光灯 (路灯型) Explosion-proof floodlight light fittings (street light)**

 平均光束角 (50%) : 86.8度  
 The average beam angle (50%) : 86.8 Degree  
**CZ0878/221 □-LED0120W SL**

 平均光束角 (50%) : 88.4度  
 The average beam angle (50%) : 88.4 Degree  
**CZ0878/221 □-LED0160W SL**

 平均光束角 (50%) : 84.6度  
 The average beam angle (50%) : 84.6 Degree  
**CZ0878/221 □-LED0200W SL**

### 主要数据 Main technical data

认证 Certification	防爆标志 Ex mark	符合标准 Meet the standard
China	Ex db eb IIB+H <sub>2</sub> T6/T5 Gb Ex tb IIIC T70°C/T80°C/T85°C/T95°C Db	GB/T3836
IECEX	Ex db eb IIB+H <sub>2</sub> T6/T5 Gb Ex tb IIIC T70°C/T80°C/T85°C/T95°C Db	IEC60079
ATEX	⊕ II 2GD Ex db eb IIB+H <sub>2</sub> T6/T5 Gb Ex tb IIIC T70°C/T80°C/T85°C/T95°C Db	EN60079

适用范围：用于 1 区和 2 区

用于 21 区和 22 区

使用环境温度：-40°C≤Ta≤+40°C/+55°C

-55°C≤Ta≤+40°C/+55°C

(-55°C灯具电气设备需要定制)

防护等级：IP66

额定电压：100V~240V AC 50/60Hz

光源：LED

色温：标配5000K、(可选3000K、4000K、6500K)

功率因数：≥0.95

接线端子：L1、N 笼式端子 2×1~2.5mm<sup>2</sup>，PE 端子 2×2.5~6mm<sup>2</sup>

电缆入口：1-M25×1.5 电缆密封套

1-M25×1.5 空塞堵头

符合：CE 2460

Intended use: Can be used in zone 1 and zone 2

Can be used in zone 21 and zone 22

Ambient temperature: -40°C≤Ta≤+40°C/+55°C

-55°C≤Ta≤+40°C/+55°C

(-55°C lamp electrical equipment need to be customized)

Degree of protection: IP66

Rated voltage: 100V~240V AC 50/60Hz

Light source: LED

Colour temperature: Standard 5000K, (Optional 3000K, 4000K, 6500K)

Power factor: ≥0.95

Terminal: L1, N cage type terminal 2×1~2.5mm<sup>2</sup>, PE terminal: 2×2.5~6mm<sup>2</sup>


Cable entry: 1-M25×1.5 cable glands

1-M25×1.5 stopping plug

Conformity to: CE 2460



### 订购规格 Order specifications

图样 Illustration	配光 Light distribution	功率 Power	光通量 Luminous flux	温度组别T*				重量(kg) Weight	订购号 Order No.
				Temperature class*					
				Ta≤40°C		Ta≤55°C			
气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust						
	宽光型 Wide beam	60W	5244 lm	T6	T70°C	T6	T85°C	8.8	<b>CZ0878/211B-LED0060W WB5-17-□-B</b>
		75W	6872 lm	T6	T70°C	T5	T85°C	9.0	<b>CZ0878/211B-LED0075W WB5-17-□-B</b>
		90W	7594 lm	T6	T80°C	T5	T90°C	9.3	<b>CZ0878/211B-LED0090W WB5-17-□-B</b>
	窄光型 Narrow beam	60W	6105 lm	T6	T70°C	T6	T85°C	8.8	<b>CZ0878/211B-LED0060W NB5-17-□-B</b>
		75W	8674 lm	T6	T70°C	T5	T85°C	9.0	<b>CZ0878/211B-LED0075W NB5-17-□-B</b>
		90W	9256 lm	T6	T80°C	T5	T90°C	9.3	<b>CZ0878/211B-LED0090W NB5-17-□-B</b>
	路灯型 Street light	60W	5690 lm	T6	T70°C	T6	T85°C	8.8	<b>CZ0878/211B-LED0060W SL5-17-□-B</b>
		75W	7296 lm	T6	T70°C	T5	T85°C	9.0	<b>CZ0878/211B-LED0075W SL5-17-□-B</b>
		90W	8048 lm	T6	T80°C	T5	T90°C	9.3	<b>CZ0878/211B-LED0090W SL5-17-□-B</b>
标准型 Stadard beam	60W	6059 lm	T6	T70°C	T6	T85°C	8.8	<b>CZ0878/211B-LED0060W 1 5-17-□-B</b>	
	75W	7050 lm	T6	T70°C	T5	T85°C	9.0	<b>CZ0878/211B-LED0075W 1 5-17-□-B</b>	
	90W	8747 lm	T6	T80°C	T5	T90°C	9.3	<b>CZ0878/211B-LED0090W 1 5-17-□-B</b>	

B-支架式安装  
Bracket mounting

B-支架式安装 ← 灯具安装形式  
Bracket mounting ← The mounting ways of the light fittings

3-3000K  
4-4000K  
5-5000K  
6-6500K ← 色温  
Colour temperature

2- -40°C≤Ta≤+40°C/+55°C  
4- -55°C≤Ta≤+40°C/+55°C ← 使用环境温度  
Ambient temperature

电缆引入装置编码 Code of cable gland ←

**主要数据 Main technical data**

认证 Certification	防爆标志 Ex mark	符合标准 Meet the standard
China	Ex db eb IIB T5/T4 Gb Ex tb IIIC T85°C/T100°C Db	GB/T3836
IECEX	Ex db eb IIB T5/T4 Gb Ex tb IIIC T85°C/T100°C Db	IEC60079
ATEX	Ⓜ II 2 GD Ex db eb IIB T5/T4 Gb Ex tb IIIC T85°C/T100°C Db	EN60079

适用范围: 用于 1 区和 2 区 用于 21 区和 22 区	Intended use: Can be used in zone 1 and zone 2 Can be used in zone 21 and zone 22
使用环境温度: $-20^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}/+55^{\circ}\text{C}$	Ambient temperature: $-20^{\circ}\text{C} \leq \text{Ta} \leq +40^{\circ}\text{C}/+55^{\circ}\text{C}$
防护等级: IP66	Degree of protection: IP66
额定电压: 100V~240V AC 50/60Hz	Rated voltage: 100V~240V AC 50/60Hz
光源: LED	Light source: LED
色温: 标配5000K、(可选 3000K、4000K、6500K)	Colour temperature: Standard 5000K, (Optional 3000K, 4000K, 6500K)
功率因数: $\geq 0.95$	Power factor: $\geq 0.95$
接线端子: L1、N 笼式端子 $2 \times 1 \sim 2.5\text{mm}^2$ , PE 端子 $2 \times 2.5 \sim 6\text{mm}^2$	Terminal: L1, N cage type terminal $2 \times 1 \sim 2.5\text{mm}^2$ , PE terminal: $2 \times 2.5 \sim 6\text{mm}^2$
电缆入口: (标配)	Cable entry: (Standard configuration)
塑制 1-M25 $\times$ 1.5, 电缆外径: $\Phi 9 \sim 17\text{mm}$	Moulded plastic 1-M25 $\times$ 1.5, outside diameter: $\Phi 9 \sim 17\text{mm}$
塑制 1-M25 $\times$ 1.5 空塞堵头	Moulded plastic 1-M25 $\times$ 1.5 stopping plug
符合: CE 2460	Conformity to: CE 2460

**订购规格 Order specifications**

图样 Illustration	配光 Light distribution	功率 Power	光通量 Luminous flux	温度组别T*				重量(kg) Weight	订购号 Order No.
				Temperature class*					
				Ta $\leq 40^{\circ}\text{C}$		Ta $\leq 55^{\circ}\text{C}$			
气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust						
	宽光型 Wide beam	120W	10311 lm	T5	T85°C	T4	T100°C	21.0	<b>CZ0878/221□-LED0120WWB5-17-B</b>
		160W	14210 lm	T5	T85°C	T4	T100°C	21.5	<b>CZ0878/221□-LED0160WWB5-17-B</b>
		200W	17259 lm	T5	T85°C	T4	T100°C	22.0	<b>CZ0878/221□-LED0200WWB5-17-B</b>
	窄光型 Narrow beam	120W	10584 lm	T5	T85°C	T4	T100°C	21.0	<b>CZ0878/221□-LED0120WNB5-17-B</b>
		160W	14063 lm	T5	T85°C	T4	T100°C	21.5	<b>CZ0878/221□-LED0160WNB5-17-B</b>
		200W	19281 lm	T5	T85°C	T4	T100°C	22.0	<b>CZ0878/221□-LED0200WNB5-17-B</b>
	路灯型 Street light	120W	10483 lm	T5	T85°C	T4	T100°C	18.0	<b>CZ0878/221□-LED0120WSL5-17-B</b>
		160W	14510 lm	T5	T85°C	T4	T100°C	18.4	<b>CZ0878/221□-LED0160WSL5-17-B</b>
		200W	17075 lm	T5	T85°C	T4	T100°C	19.0	<b>CZ0878/221□-LED0200WSL5-17-B</b>

**B-支架式安装**  
Bracket mounting



**F-杆式安装**  
Pole mounting

B-支架式安装 Bracket mounting } ← 灯具安装形式  
 F-杆式安装 Pole mounting } ← The mounting ways of the light fittings

3-3000K } ← 色温  
 4-4000K } ← Colour temperature  
 5-5000K }  
 6-6500K }

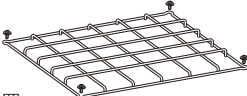

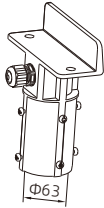
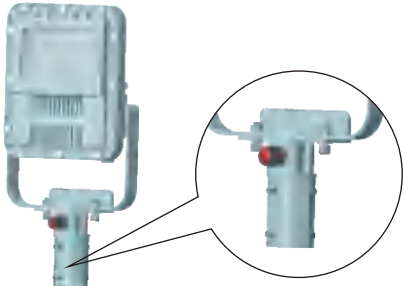
电缆引入装置编码 Code of cable gland ←



**电缆密封套引入编码 Code of cable gland**

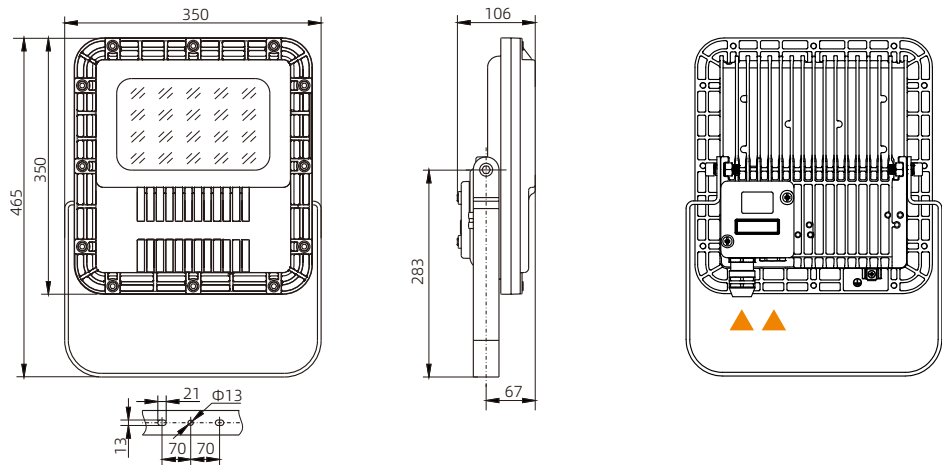
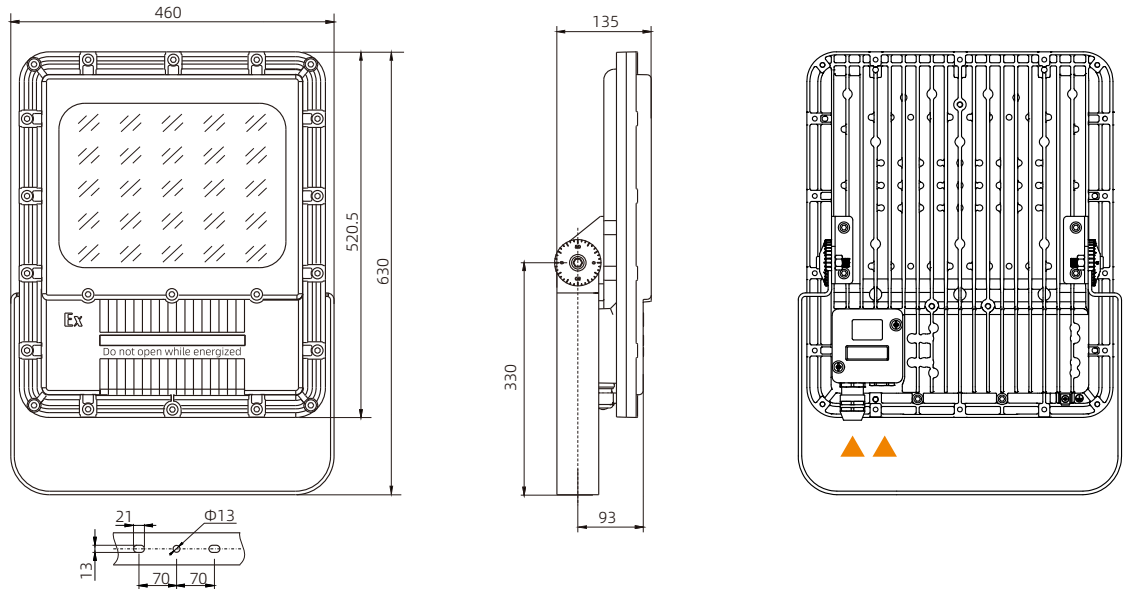
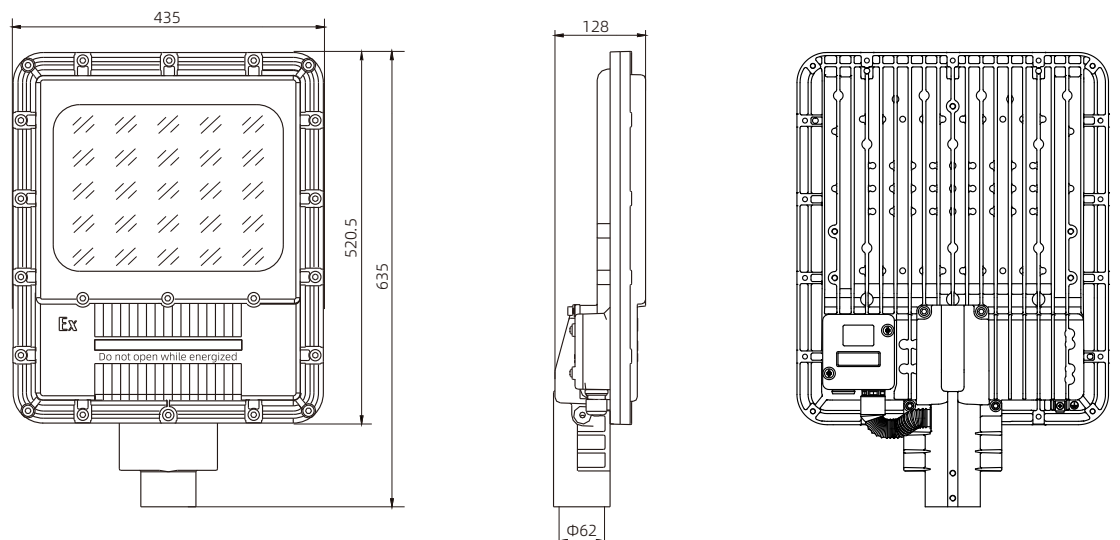
编码 Code	规格 Specifications	电缆直径 Cable diameter
<b>B</b>	塑制 1 个 M25×1.5 电缆密封套, 塑制 1 个 M25×1.5 空塞堵头 One moulded plastic M25×1.5 cable gland, one moulded plastic M25×1.5 stopping plug	Φ9-17mm
<b>C</b>	铜制 1 个 CZ0221/M25×1.5 金属电缆密封套, 塑制 1 个 M25×1.5 空塞堵头 One brass CZ0221/M25×1.5 metal cable gland, one moulded plastic M25×1.5 stopping plug	Φ9-17mm
<b>D</b>	塑制 2 个 M25×1.5 电缆密封套 Two moulded plastic M25×1.5 cable glands	Φ9-17mm
<b>E</b>	铜制 2 个 CZ0221/M25×1.5 金属电缆密封套 Two brass CZ0221/M25×1.5 metal cable glands	Φ9-17mm
<b>F</b>	铜制 1 个 CZ0227/M25×1.5-G ¾ "增安型金属电缆密封套, 塑制 1 个 M25×1.5 空塞堵头 One brass CZ0227/M25×1.5-G ¾ "increased safety metal cable gland, one moulded plastic M25×1.5 stopping plug	Φ11-15mm
<b>G</b>	铜制 2 个 CZ0227/M25×1.5-G ¾ "增安型金属电缆密封套 Two brass CZ0227/M25×1.5-G ¾ "increased safety metal cable glands	Φ11-15mm
<b>H</b>	铜制 1 个 CZ0226/M25×1.5 (G02) 增安型金属电缆密封套 (填料函), 塑制 1 个 M25×1.5 空塞堵头 One brass CZ0226/M25×1.5 (G02) increased safety metal cable gland (stopping boxes), one moulded plastic M25×1.5 stopping plug	Φ11.5-16mm
<b>I</b>	铜制 2 个 CZ0226/M25×1.5 (G02) 增安型金属电缆密封套 (填料函) Two brass CZ0226/M25×1.5 (G02) increased safety metal cable glands (stopping boxes)	Φ11.5-16mm

**A**
**安装附件 Accessories of mounting accessories**

图样 Illustration	描述 Descriptions	单位 Unit	订购号 Order No.
 网罩 Mesh	用于 CZ0878/211 灯具, 材质为不锈钢 Used for CZ0878/211 light fittings, the material is stainless steel	套 Set	<b>D8733/1</b>
 网罩 Mesh	用于 CZ0878/221 灯具, 材质为不锈钢 Used for CZ0878/221 light fittings, the material is stainless steel	套 Set	<b>D8733/2</b>
 吊链式附件 (500mm) Chain type accessories	M8 吊环螺钉安装, 材料为优质钢表面镀锌处理 For M8 lifting eye bolt, the material is high quality steel with galvanization on surface	套 Set	<b>D623</b>
 立杆支架 Bracket of vertical pole		只 Piece	<b>D8723/1</b>

**外形尺寸 Outline dimensions**

单位 Unit: mm

**CZ0878/211B**  
 支架式安装  
 Bracket mounting

**CZ0878/221B**  
 支架式安装  
 Bracket mounting

**CZ0878/221F**  
 杆式安装  
 Pole mounting

 电缆入口 Cable entry

**马路灯灯杆订购规格 Order specification of the lamp pole of street light**

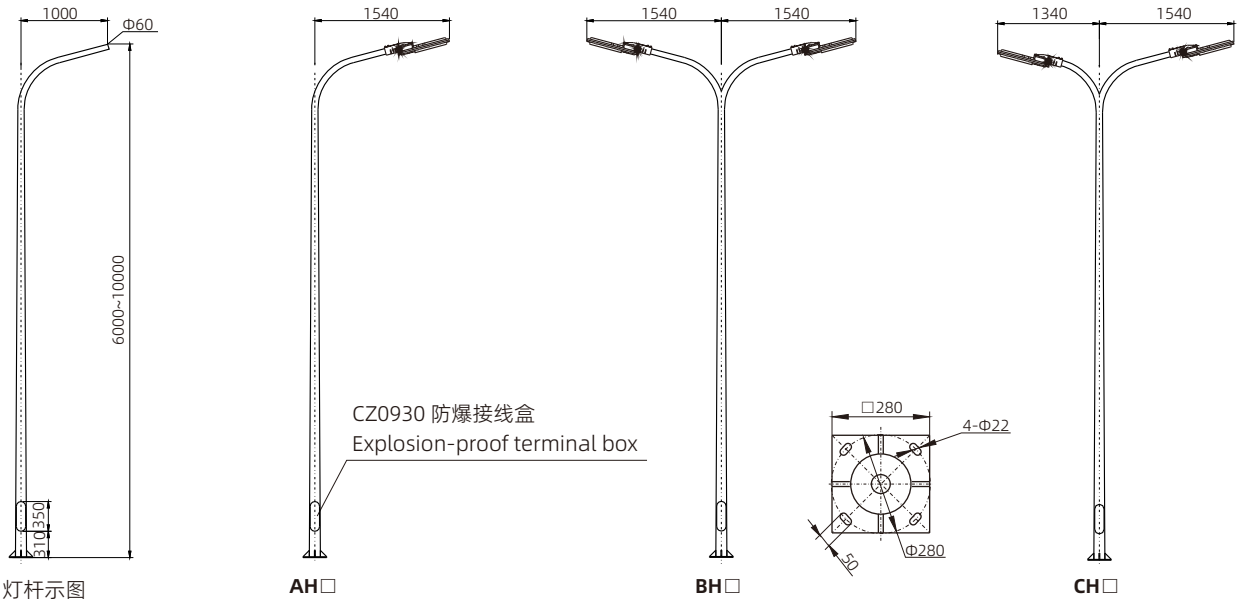
图样 Illustration	描述 Descriptions	编码 Order No.
	单臂灯杆 Lamp pole of single arm	<b>AH</b> □+□
	双臂等长灯杆 Lamp pole of double arms with equal length	<b>BH</b> □+□
	双臂不等长灯杆 Lamp pole of double arms with non-equal length	<b>CH</b> □+□
	6m、8m、10m、12m、15m ← 灯杆高度 The height of lamp pole	
	CZ0930 防爆接线盒订购编码 The order No. of explosion-proof terminal box ←	

**A**

**CZ0930 防爆接线盒订购编码 The order No. of explosion-proof terminal box**

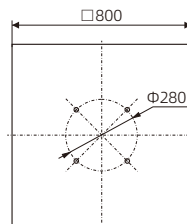
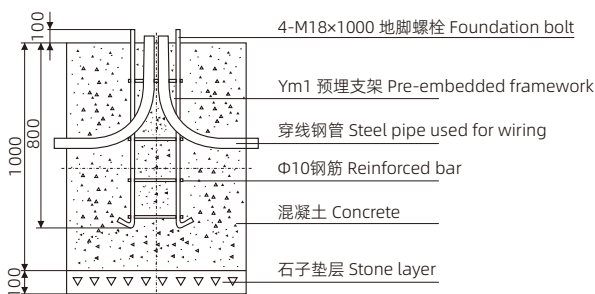
图样 Illustration	描述 Descriptions	电缆入口 Cable entries			编码 Order No.
		进线口电缆 The inlet cable	进线口数量 The number of inlets	出线口数量 The number of outlets	
	单灯配一个熔断器 Single lamp equipped with one fuse	橡胶电缆 Rubber-coated cable	2-M32塑制电缆密封套 Moulded plastic cable gland	1-M25塑制电缆密封套 Moulded plastic cable gland	<b>10</b>
		铠装电缆 Armoured cable	2-M32铜制电缆密封套 Brass cable gland	1-M25铜制电缆密封套 Brass cable gland	<b>11</b>
	双灯配二个熔断器 Double lamps equipped with two fuses	橡胶电缆 Rubber-coated cable	2-M32塑制电缆密封套 Moulded plastic cable gland	2-M25塑制电缆密封套 Moulded plastic cable gland	<b>20</b>
		铠装电缆 Armoured cable	2-M32铜制电缆密封套 Brass cable gland	2-M25铜制电缆密封套 Brass cable gland	<b>21</b>

**安装形式和外形尺寸 Mounting ways and outline dimensions** 单位 Unit: mm



The diagram of the lamp pole

**基础示意图 Base diagram**



此基础图用于灯杆高度10米以下的路灯基础。  
This base diagram is used for the lamp with height less than 10 meters.