

CZ6478/121B

A



描述 Descriptions

隔爆型防爆灯和隔爆型镇流器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。隔爆型防爆灯和隔爆型镇流器采用隔爆型电缆引入装置直接引入电缆。隔爆型防爆灯内装LED颗粒，经专业的光学配光设计构成三种配光：适用宽光型、窄光型和路灯型，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。

隔爆型防爆灯设计成单灯型、2灯型和4灯型，满足用户多用途需求。

隔爆型防爆灯采用支架式安装。

- 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
- 电压波动无影响，可工作在100~240V AC宽电压范围内
- 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）
- 拼接结构，满足用户多用途需求

1 区和 2 区

21 区和 22 区

Zone 1 and zone 2

Zone 21 and zone 22

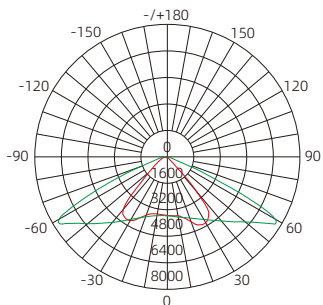
The enclosure of flame-proof light fittings and flame-proof drive are manufactured of die-cast aluminum alloy, with the surface of light fittings are sprayed epoxy resin powder, therefore they have good anti-corrosion performance. The transparent shield is made by the toughened glass of borosilicate, the exposed fasteners are the stainless steel. Flame-proof light fittings and flame-proof drive equip with flame-proof cable gland for direct entry. Explosion-proof light fittings have LED chips inside which are formed to module by professionally optical luminous distribution design to wide beam, narrow beam and street light beam, heat dissipation structure which is designed after professional thermal analysis and the special thermal conductivity structure of aluminum pcb can ensure the heat generated from working can be dissipated well. It can satisfy the related requirement of illumination in petrochemical, chemical and marine industries. Flame-proof light fittings can combine with one, two or four lighting enclosures to meet the customers' various requirements.

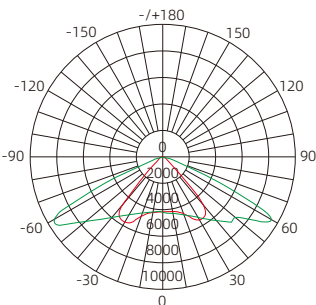
Flame-proof light fittings is bracket mounting type.

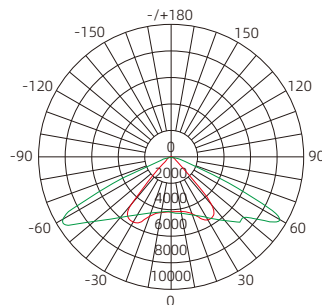
- It is long life and maintenance-free which the service life is up to 50000 hours and the maintenance-free of long term.
- There is a feature of good electromagnetic compatibility and it does not cause interference to the system power grid.
- It is not influenced by the voltage fluctuations and can be operated in the wide voltage range of 100~240V AC.
- LED is solid light source with great anti-knock performance convenient for installation and maintenance
- The degree of protection is up to IP66.
- IECEx and ATEX certified.
- Customized high light efficiency light source with light efficiency ≥ 135lm/w (Meet China's first-class energy efficiency standards)
- Can be combined to meet user different and various requirement.

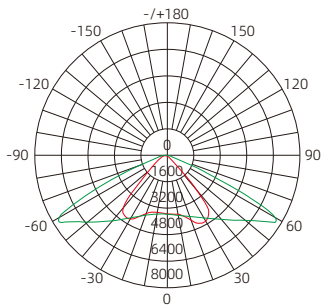
配光曲线 Luminous intensity distribution curve — C0/180 — C90/270

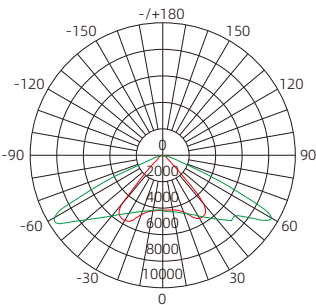
光强单位 luminous intensity unit: cd

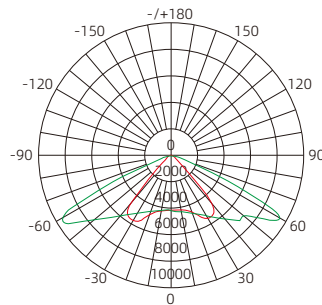
CZ6478/121B 隔爆型防爆LED灯 (宽光型) Explosion-proof light fittings (Wide beam)

 平均光束角 (50%) : 113.6度
 The average beam angle (50%) : 113.6 Degree

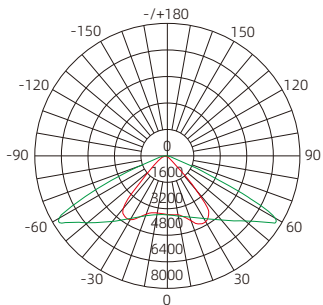
CZ6478/121B-LED0160WWB

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

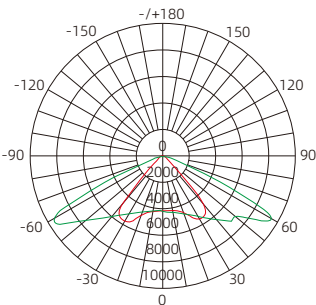
CZ6478/121B-LED0200WWB

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

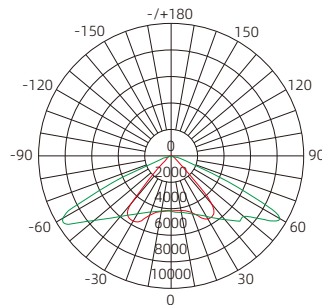
CZ6478/121B-LED0240WWB

 平均光束角 (50%) : 113.6度
 The average beam angle (50%) : 113.6 Degree

CZ6478/121B-LED2160WWB

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

CZ6478/121B-LED2200WWB

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

CZ6478/121B-LED2240WWB

 平均光束角 (50%) : 113.6度
 The average beam angle (50%) : 113.6 Degree

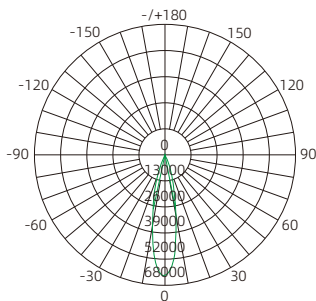
CZ6478/121B-LED4160WWB

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

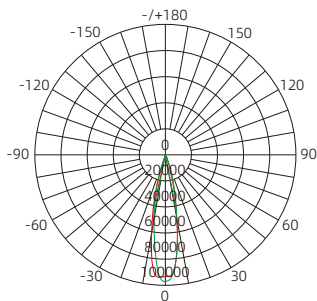
CZ6478/121B-LED4200WWB

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

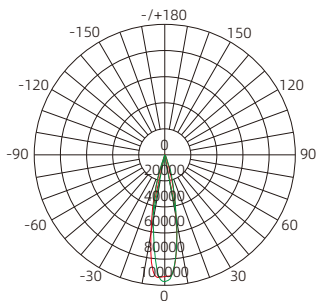
CZ6478/121B-LED4240WWB

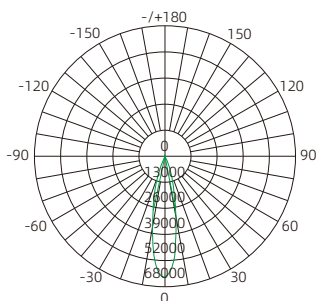
配光曲线 Luminous intensity distribution curve — C0/180 — C90/270

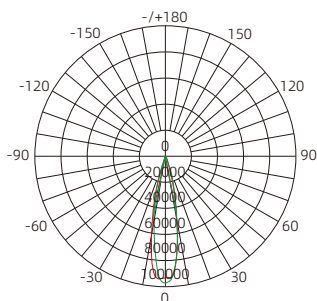
光强单位 luminous intensity unit: cd

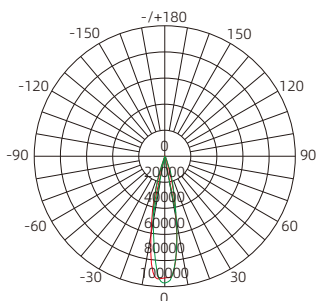
CZ6478/121B 隔爆型防爆LED灯（窄光型） Explosion-proof light fittings (Narrow beam)

 平均光束角 (50%) : 22.9度
 The average beam angle (50%) : 22.9 Degree

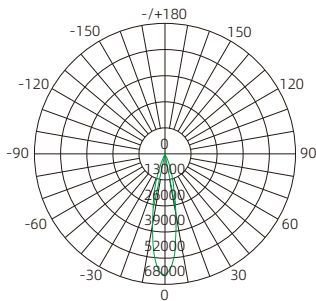
CZ6478/121B-LED0160WNB

 平均光束角 (50%) : 22.3度
 The average beam angle (50%) : 22.3 Degree

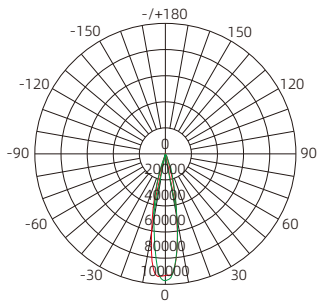
CZ6478/121B-LED0200WNB

 平均光束角 (50%) : 22.3度
 The average beam angle (50%) : 22.3 Degree

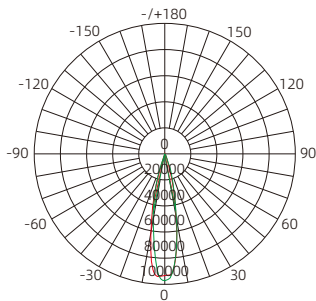
CZ6478/121B-LED0240WNB

 平均光束角 (50%) : 22.9度
 The average beam angle (50%) : 22.9 Degree

CZ6478/121B-LED2160WNB

 平均光束角 (50%) : 22.3度
 The average beam angle (50%) : 22.3 Degree

CZ6478/121B-LED2200WNB

 平均光束角 (50%) : 22.3度
 The average beam angle (50%) : 22.3 Degree

CZ6478/121B-LED2240WNB

 平均光束角 (50%) : 22.9度
 The average beam angle (50%) : 22.9 Degree

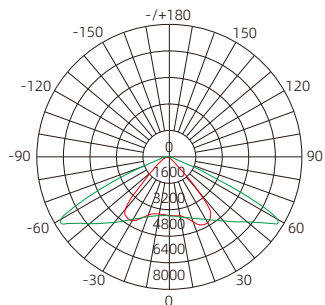
CZ6478/121B-LED4160WNB

 平均光束角 (50%) : 22.3度
 The average beam angle (50%) : 22.3 Degree

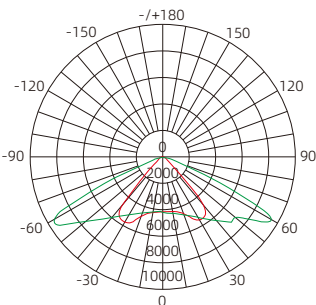
CZ6478/121B-LED4200WNB

 平均光束角 (50%) : 22.3度
 The average beam angle (50%) : 22.3 Degree

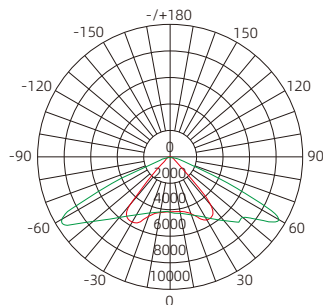
CZ6478/121B-LED4240WNB

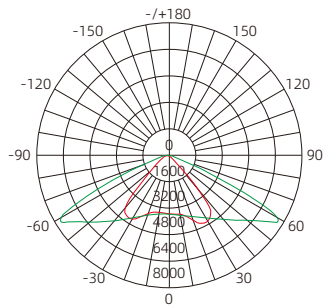
配光曲线 Luminous intensity distribution curve — C0/180 — C90/270

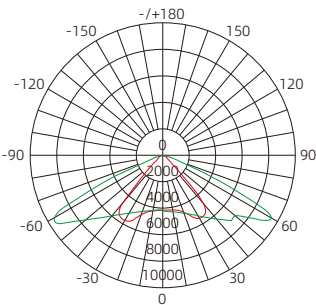
光强单位 luminous intensity unit: cd

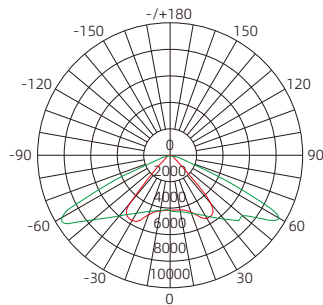
CZ6478/121B 隔爆型防爆LED灯 (路灯型) Explosion-proof light fittings (Street light beam)

 平均光束角 (50%) : 113.6度
 The average beam angle (50%) : 113.6 Degree

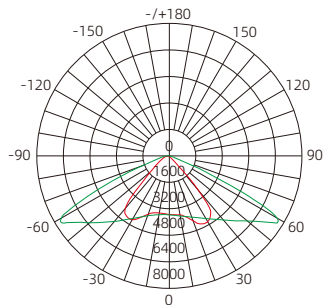
CZ6478/121B-LED0160WSL

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

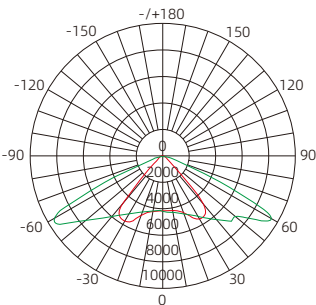
CZ6478/121B-LED0200WSL

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

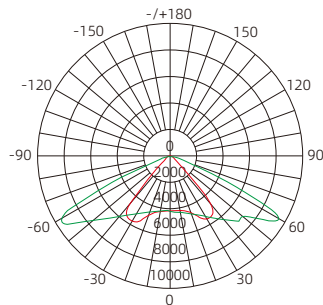
CZ6478/121B-LED0240WSL

 平均光束角 (50%) : 113.6度
 The average beam angle (50%) : 113.6 Degree

CZ6478/121B-LED2160WSL

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

CZ6478/121B-LED2200WSL

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

CZ6478/121B-LED2240WSL

 平均光束角 (50%) : 113.6度
 The average beam angle (50%) : 113.6 Degree

CZ6478/121B-LED4160WSL

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

CZ6478/121B-LED4200WSL

 平均光束角 (50%) : 108.8度
 The average beam angle (50%) : 108.8 Degree

CZ6478/121B-LED4240WSL

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 IIB+H ₂ T6/T5/T4 Gb Ex tb IIIC T80°C/T90°C/T95°C/T105°C Db	GB/T3836
IECEx	Ex db IIB+H ₂ T6/T5/T4 Gb Ex tb IIIC T80°C/T90°C/T95°C/T105°C Db	IEC60079
ATEX	Ex II 2GD Ex db IIB+H ₂ T6/T5/T4 Gb Ex tb IIIC T80°C/T90°C/T95°C/T105°C Db	EN60079

适用范围：用于 1 区和 2 区

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

用于 21 区和 22 区

Can be used in zone 21 and zone 22

使用环境温度：-40°C≤Ta≤+40°C/+55°C

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

-60°C≤Ta≤+40°C/+55°C

-60°C≤Ta≤+40°C/+55°C

(-60°C 灯具电气设备需要定制)

(-60°C lamp electrical equipment need to be customized)

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：≥0.95

Power factor: ≥0.95

接线端子：L1、N 笼式端子 2×1~2.5mm²，PE 端子 2×2.5~6mm²

terminal: L1, N cage type terminal 2×1~2.5mm², PE terminal: 2×2.5~6mm²

电缆入口：1-M25×1.5 电缆外径：Φ12-19mm (CZ1725/1A)

Cable entry: 1-M25×1.5, outside diameter: Φ12-19mm (CZ1725/1A)

1-M25×1.5 空塞堵头 (CZ1725/3A)

1-M25×1.5 stopping plug (CZ1725/3A)

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* Temperature class*				重量(kg) Weight	订购号 Order No.
				Ta≤40℃		Ta≤55℃			
				气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust		
	宽光型 Wide beam	160W	15654 lm	T6	T80℃	T5	T95℃	19.0	CZ6478/121B-LED0160WWB5-17-□
		200W	19437 lm	T5	T90℃	T4	T105℃	19.0	CZ6478/121B-LED0200WWB5-17-□
		240W	21668 lm	T5	T90℃	T4	T105℃	19.0	CZ6478/121B-LED0240WWB5-17-□
	窄光型 Narrow beam	160W	14538 lm	T6	T80℃	T5	T95℃	19.0	CZ6478/121B-LED0160WNB5-17-□
		200W	19078 lm	T5	T90℃	T4	T105℃	19.0	CZ6478/121B-LED0200WNB5-17-□
		240W	21828 lm	T5	T90℃	T4	T105℃	19.0	CZ6478/121B-LED0240WNB5-17-□
	路灯型 Street light	160W	15669 lm	T6	T80℃	T5	T95℃	19.0	CZ6478/121B-LED0160WSL5-17-□
		200W	19350 lm	T5	T90℃	T4	T105℃	19.0	CZ6478/121B-LED0200WSL5-17-□
		240W	22057lm	T5	T90℃	T4	T105℃	19.0	CZ6478/121B-LED0240WSL5-17-□

3-3000K
4-4000K
5-5000K
6-6500K

色温 Colour temperature

2- -40°C≤Ta≤+40°C/+55°C
4- -60°C≤Ta≤+40°C/+55°C

使用环境温度 Ambient temperature

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* Temperature class*				订购号 Order No.
				Ta≤40℃		Ta≤55℃		
				气体 Gas	粉尘 Dust	气体 Gas	粉尘 Dust	
 重量 Weight: 45kg	宽光型 Wide beam	2×160W	31308 lm	T6	T80℃	T5	T95℃	CZ6478/121B-LED2160WWB5-17-□
		2×200W	38874 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED2200WWB5-17-□
		2×240W	43336 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED2240WWB5-17-□
	窄光型 Narrow beam	2×160W	29076 lm	T6	T80℃	T5	T95℃	CZ6478/121B-LED2160WNB5-17-□
		2×200W	38156 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED2200WNB5-17-□
		2×240W	43656 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED2240WNB5-17-□
	路灯型 Street light	2×160W	31338 lm	T6	T80℃	T5	T95℃	CZ6478/121B-LED2160WSL5-17-□
		2×200W	38700 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED2200WSL5-17-□
		2×240W	44114 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED2240WSL5-17-□
 重量 Weight: 92kg	宽光型 Wide beam	4×160W	62616 lm	T6	T80℃	T5	T95℃	CZ6478/121B-LED4160WWB5-17-□-DA1
		4×200W	77748 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED4200WWB5-17-□-DA1
		4×240W	86672 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED4240WWB5-17-□-DA1
	窄光型 Narrow beam	4×160W	58152 lm	T6	T80℃	T5	T95℃	CZ6478/121B-LED4160WNB5-17-□-DA1
		4×200W	76312 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED4200WNB5-17-□-DA1
		4×240W	87312 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED4240WNB5-17-□-DA1
	路灯型 Street light	4×160W	62676 lm	T6	T80℃	T5	T95℃	CZ6478/121B-LED4160WSL5-17-□-DA1
		4×200W	77400 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED4200WSL5-17-□-DA1
		4×240W	88228 lm	T5	T90℃	T4	T105℃	CZ6478/121B-LED4240WSL5-17-□-DA1

3-3000K
4-4000K
5-5000K
6-6500K

色温
Colour temperature

2- -40°C≤Ta≤+40°C/+55°C
4- -60°C≤Ta≤+40°C/+55°C

使用环境温度
Ambient temperature

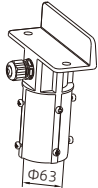
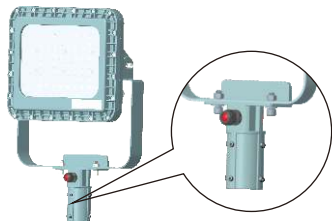
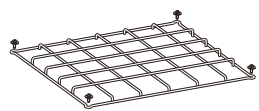
电缆引入装置编码详见 A/87 页
Code of cable gland see page A/87

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电缆密封套引入编码 Code of cable gland

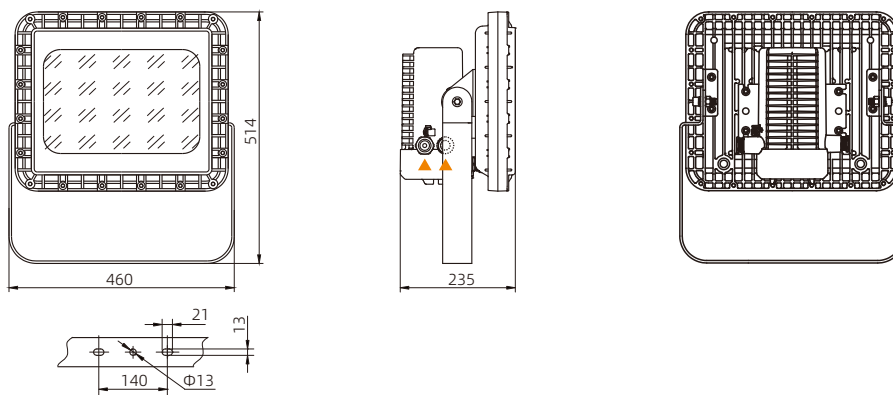
编码 Code	规格 Specifications	电缆直径 Cable diameter
DA1	铜制 1 个 CZ1725/1A M25×1.5 电缆密封套, 1 个 CZ1725/3A M25×1.5 空塞堵头 One brass CZ1725/1A M25×1.5 cable gland, one CZ1725/3A M25×1.5 stopping plug	Φ12-19mm
DA2	铜制 2 个 CZ1725/2A M25×1.5 电缆密封套 Two brass CZ1725/2A M25×1.5 cable glands	Φ12-19mm

A
安装附件 Accessories of mounting accessories

图样 Illustration	描述 Descriptions	单位 Unit	订购号 Order No.
 立杆支架 Bracket of vertical pole		只 Piece	D8723/1
 网罩 Mesh	用于 CZ6478/121B-LED4 灯具, 材质为不锈钢 Used for CZ6478/121B-LED4 light fittings, the material is stainless steel	套 Set	D8733/2

外形尺寸 Outline dimensions

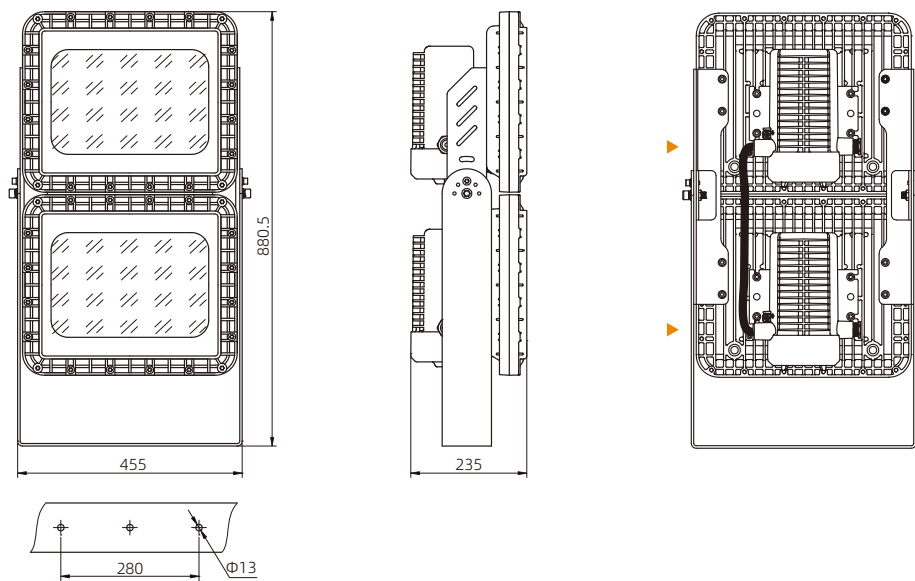
单位 Unit: mm



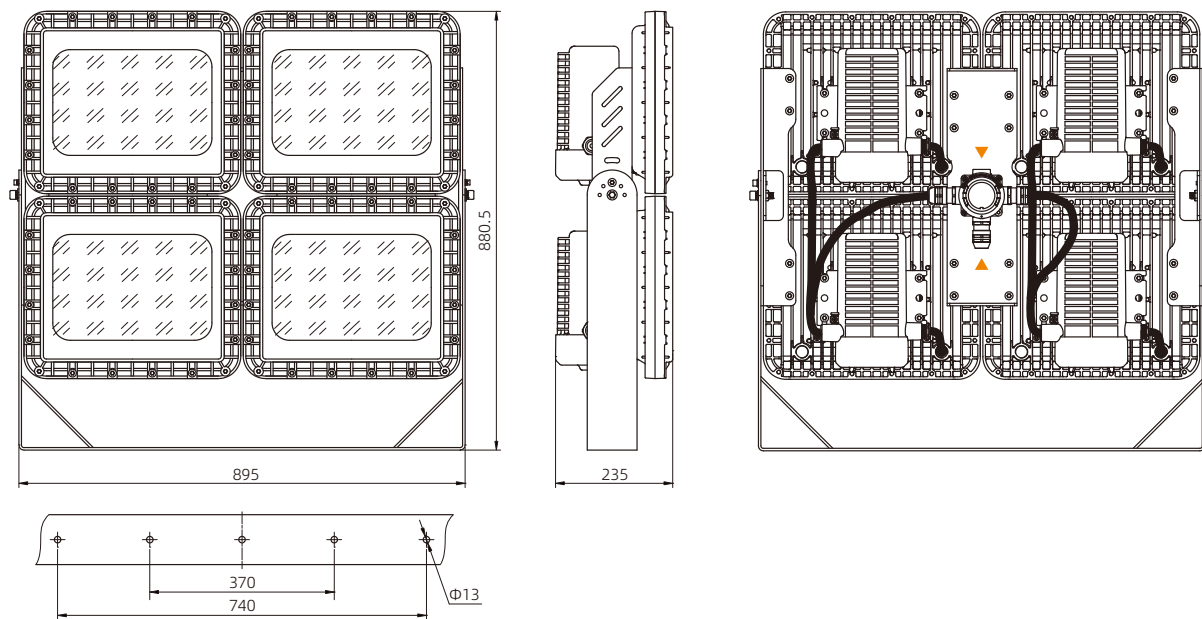
CZ6478/121B-LED0□□□W 防爆灯

▲ 电缆入口 Cable entry

外形尺寸 Outline dimensions 单位 Unit: mm



CZ6478/121B-LED2□□□W 防爆灯



CZ6478/121B-LED4□□□W 防爆灯

▲ 电缆入口 Cable entry