

CZ0870d

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描述 Descriptions

防爆 LED 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 LED 灯的接线盒侧面进线，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。防爆灯具内装 LED 颗粒，经专业的光学配光设计组成光源模块，设有四种光照角度供选择，其中 85°×135° 专用于马路灯设计。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。

防爆灯可分为支架灯、平台灯、墙壁灯、马路灯。

防爆平台灯 C-90°安装形式可分为平台护栏式、平台法兰式两种。

防爆平台灯 D-25°安装形式可分为平台护栏式、平台法兰式两种。

- 具有良好的电磁兼容性，不会对系统电网造成干扰
- 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≥135ml/W（符合中国一级能效标准）

The enclosures of LED explosion-proof light fittings are manufactured of die-cast aluminum alloy, with epoxy resin powder coated surfaces. Therefore, they have good anti-corrosion performance. The transparent cover is made by the toughened glass, and the exposed fasteners are made of stainless steel. Explosion-proof LED light fitting's terminal box side entry, is suitable for rubber-coated and the armoured cable wiring. The internationally certified PHOENIX cage type terminals are selected as the internal terminals, which are convenient for wiring. Explosion-proof lights have LED chips inside which are formed to module by professionally optical luminous distribution design. There are four different luminous angles for option, and 85°×135° is designed specially for street light. 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 requirements of illumination in petrochemical, chemical and marine industries.

Explosion-proof light fittings can be sorted as: bracket type, platform type, wall type and street type.

The mounting ways of the explosion-proof platform light fittings C-90° are fence type and platform flange type.

The mounting ways of the explosion-proof platform light fittings D-25° are fence type and platform flange type.

1 区和 2 区

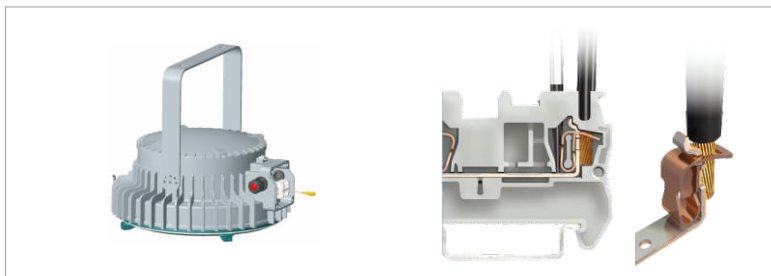
21 区和 22 区

Zone 1 and zone 2

Zone 21 and zone 22

- There is a feature of good electromagnetic compatibility and it does not cause interference to the system power grid.
- 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.
- IECEx and ATEX certified
- Customized high light efficiency light source with light efficiency ≥ 135ml/w（Meet China's first-class energy efficiency standards）

产品特点 Product characteristics



国际认证笼式接线端子，更方便接线

It is easier to be wired by cage type terminal which is certified internationally.



支架灯安装
Bracket type lamps



支架灯，支架安装，多个角度可调节
Explosion-proof bracket type lamps,
bracket installation, multiple angle
adjustment



马路灯式安装
Street lamp type



墙壁灯安装
Installation of wall type lamp



防爆平台灯头安装 C-90°
Explosion-proof platform light
fittings C-90°

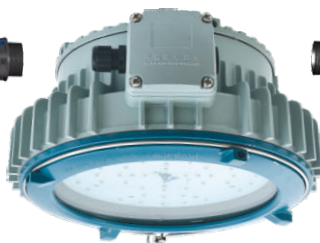


防爆平台灯头安装 D-25°
Explosion-proof platform light
fittings D-25°

多种电缆引入装置 Many kinds of cable glands

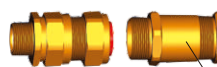
CZ0226增安型电缆密封套（填料函）
CZ0226 Increased safety cable glands
(stopping boxes)

CZ0220塑制电缆密封套
CZ0220 Moulded plastic cable glands



CZ0223塑料空塞堵头
CZ0223 Moulded plastic stopping plugs

CZ0227金属电缆密封套
CZ0227 Increased safety metal cable glands



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 op is II C T5/T4 Gb Ex tb IIIC T95°C/T130°C Db	GB/T3836
IECEx	Ex db eb op is II C T5/T4 Gb Ex tb IIIC T95°C/T130°C Db	IEC60079
ATEX	Ex II 2GD Ex db eb op is II C T5/T4 Gb Ex tb IIIC T95°C/T130°C Db	EN60079

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 适用范围: 用于 1 区和 2 区
 用于 21 区和 22 区

防护等级: IP66

额定电压: 110V~250V AC 50/60Hz

 使用环境温度: -20°C≤Ta≤+40°C/+55°C
 -40°C≤Ta≤+40°C/+55°C

光源: LED

色温: 标配5000K、(选配3000K、4000K、6500K)

功率因数: ≥0.95

 接线端子: L1、N 笼式端子 2-2.5mm², PE 端子 2×10mm²

 电缆入口: **B**—支架灯 (标配)

塑制 1-M25×1.5, 电缆外径: Φ9-17mm

塑制 1-M25×1.5 空塞堵头

C—平台灯 90° (标配)

D—平台灯 25° (标配)

F—马路灯 (标配)

塑制 1-M25×1.5, 电缆外径: Φ9-17mm

E—墙壁灯 (标配)

塑制 1-M25×1.5, 电缆外径: Φ9-17mm

塑制 3-M25×1.5 空塞堵头

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

Can be used in zone 21 and zone 22

Degree of protection: IP66

Rated voltage: 110V~250V AC 50/60Hz

 Ambient temperature: -20°C≤Ta≤+40°C/+55°C
 -40°C≤Ta≤+40°C/+55°C

Light source: LED

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

Power factor: ≥0.95

 Terminal: L1, N cage type terminal 2-2.5mm², PE terminal: 2×10mm²

 Cable entry: **B**—Bracket type lamp (Standard configuration)

Moulded plastic 1-M25×1.5, outside diameter: Φ9-17mm

Moulded plastic 1-M25×1.5 stopping plug

C—Platform type lamp 90° (Standard configuration)

D—Platform type lamp 25° (Standard configuration)

F—Street lamp(Standard configuration)

Moulded plastic 1-M25×1.5, outside diameter: Φ9-17mm

E—Wall type lamp (Standard configuration)

Moulded plastic 1-M25×1.5, outside diameter: Φ9-17mm

Moulded plastic 3-M25×1.5 stopping plugs

订购规格 Order specifications

图样 Illustration	功率 Power	光通量 Luminous flux	发光角度 Angle of luminous	适合高度 Height	温度组别T* Temperature class*		重量(kg) Weight	订购号 Order No.
					Ta≤40℃	Ta≤55℃		
 B—支架灯 Bracket type lamp	90W	9693 lm	120°	≤5m	T5	T4	11.8	CZ0870d/105□-LED90W5-□-B+□
	120W	12131 lm	120°	≤5m	T5	T4	12.0	CZ0870d/105□-LED120W5-□-B+□
	160W	14819 lm	120°	≤5m	T5	T4	12.2	CZ0870d/105□-LED160W5-□-B+□
 C—平台灯 90° Platform type lamp 90°	90W	10466 lm	60°	6~8m	T5	T4	11.8	CZ0870d/108□-LED90W5-□-B+□
	120W	12888 lm	60°	6~8m	T5	T4	12.0	CZ0870d/108□-LED120W5-□-B+□
	160W	15407 lm	60°	6~8m	T5	T4	12.2	CZ0870d/108□-LED160W5-□-B+□
 D—平台灯 25° Platform type lamp 25°	90W	9350 lm	85°×135°	8~10m	T5	T4	11.8	CZ0870d/110□-LED90W5-□-B+□
	120W	10813 lm	85°×135°	8~10m	T5	T4	12.0	CZ0870d/110□-LED120W5-□-B+□
	160W	15037 lm	85°×135°	8~10m	T5	T4	12.2	CZ0870d/110□-LED160W5-□-B+□
 E—墙壁灯 Wall type lamp	B—支架灯 B-Bracket type lamp							灯具安装形式 The mounting ways of the light fittings
	C—平台灯 90° C-Platform type lamp 90°							
	D—平台灯 25° D-Platform type lamp 25°							
 F—马路灯 Street lamp	E—墙壁灯 E-Wall type lamp							色温 Colour temperature
	F—马路灯 F-Street lamp							
	3—3000K、4—4000K 5—5000K、6—6500K							
2 - -20℃ to+40℃/+55℃ 4 - -40℃ to+40℃/+55℃								使用环境温度 Ambient temperature
电缆引入装置编码 Code of cable gland								
安装附件订购号（不配不注） Order No.of mounting accessories（Optional）								

电缆密封套引入编码 Code of cable gland

B-支架灯电缆密封套编码 Code of cable gland for bracket type lamp		
编码 Code	规格 Specifications	电缆直径 Cable diameter
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
C	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
D	塑制 2 个 M25×1.5 电缆密封套 Two moulded plastic M25×1.5 cable glands	Φ9-17mm
E	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
F	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
G	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
H	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
I	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

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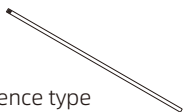
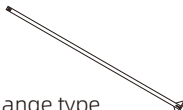
E-墙壁灯电缆密封套编码 Code of cable gland for wall type lamp		
13	塑制 1 个 M25×1.5 电缆密封套, 塑制 3 个 M25×1.5 空塞堵头 One moulded plastic M25×1.5 cable gland, three moulded plastic M25×1.5 stopping plugs	Φ9-17mm
22	塑制 2 个 M25×1.5 电缆密封套, 塑制 2 个 M25×1.5 空塞堵头 Two moulded plastic M25×1.5 cable glands, two moulded plastic M25×1.5 stopping plugs	Φ9-17mm
31	塑制 3 个 M25×1.5 电缆密封套, 塑制 1 个 M25×1.5 空塞堵头 Three moulded plastic M25×1.5 cable glands, one moulded plastic M25×1.5 stopping plug	Φ9-17mm
40	塑制 4 个 M25×1.5 电缆密封套 Four moulded plastic M25×1.5 cable glands	Φ9-17mm
04	塑制 4 个 M25×1.5 空塞堵头 Four moulded plastic M25×1.5 stopping plugs	

注: 如配金属电缆密封套, 在编码后注明。 Note: If metal cable gland is required, pls note after code.

注: C、D、F-平台灯、马路灯电缆密封套已标配, 不需再标注。

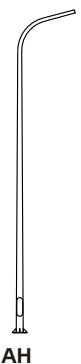
Note: Cable gland for platform type lamp, street lamp C, D, F is equipped, no need to be mentioned.

安装附件 Mounting accessories:

图样 Illustration	描述 Descriptions	单位 Unit	订购号 Order No.
安装支架 Mounting bracket 	支架灯附件 Accessories for bracket type lamp	套 Set	D8719/2
护栏式灯杆 Lamp pole of fence type 	平台灯附件, G1½"镀锌钢管表面喷塑。 Accessories for platform type lamp, G1½" galvanized steel pipe material and powder coated surface	套 Set	D8725
法兰式灯杆 Lamp pole of flange type 	平台灯附件, G1½"镀锌钢管表面喷塑。 Accessories for platform type lamp, G1½" galvanized steel pipe material and powder coated surface	套 Set	D8726

马路灯安装附件 Accessories for street lamp

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

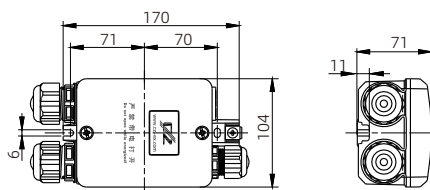
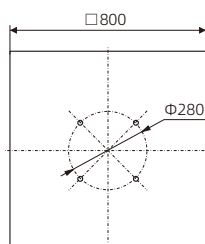
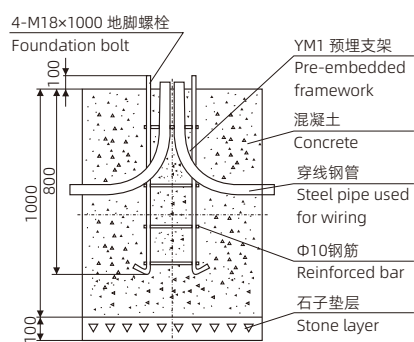
图样 Illustration	描述 Descriptions	编码 Order No.
 AH	单臂灯杆 Lamp pole of single arm	AH □+□
	双臂等长灯杆 Lamp pole of double arms with equal length	BH □+□
	双臂不等长灯杆 Lamp pole of double arms with non-equal length	CH □+□
		

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塑料制电缆密封套 Moulded plastic cable gland	1-M25塑料制电缆密封套 Moulded plastic cable gland	10
		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	11
	双灯 配二个熔断器 Double lamps equipped with two fuses	橡胶电缆 Rubber-coated cable	2-M32塑料制电缆密封套 Moulded plastic cable gland	2-M25塑料制电缆密封套 Moulded plastic cable gland	20
		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	21

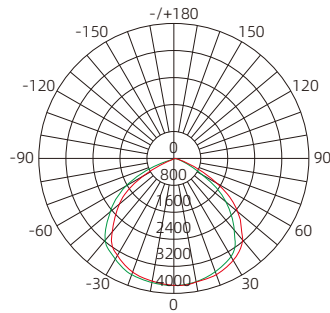
CZ0930防爆接线盒外形尺寸 The outline dimension of the explosion-proof terminal box

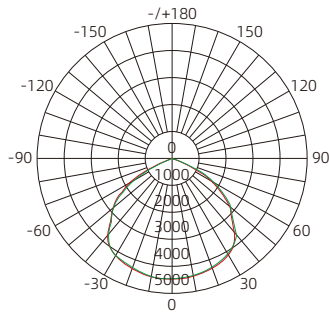
单位 Unit: mm

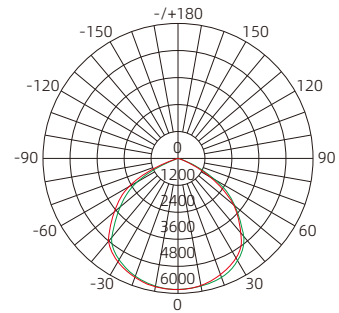

基础示意图 Base diagram

 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.

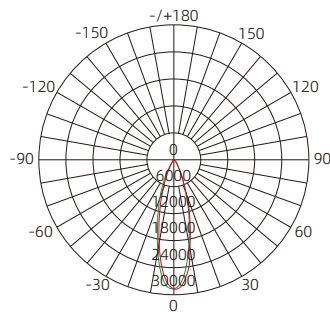
配光曲线 Luminous intensity distribution curve — C0/180 — C90/270

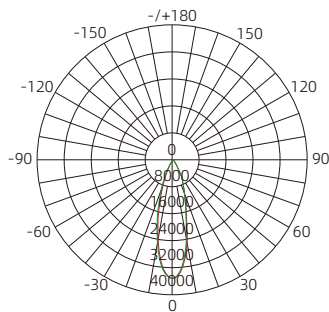
光强单位 luminous intensity unit: cd

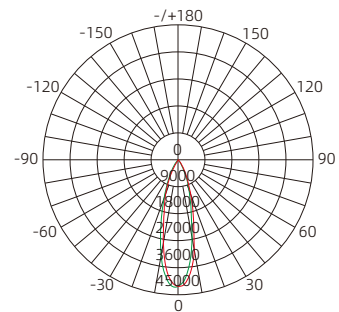

 平均光束角 (50%) : 110.2度
 The average beam angle (50%) : 110.2 Degree

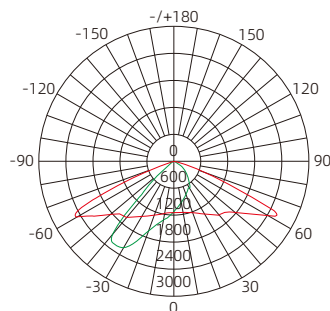
CZ0870d/105-LED90W

 平均光束角 (50%) : 111.5度
 The average beam angle (50%) : 111.5 Degree

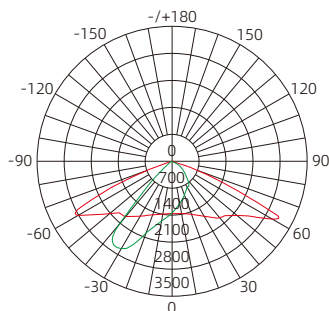
CZ0870d/105B-LED120W

 平均光束角 (50%) : 107.8度
 The average beam angle (50%) : 107.8 Degree

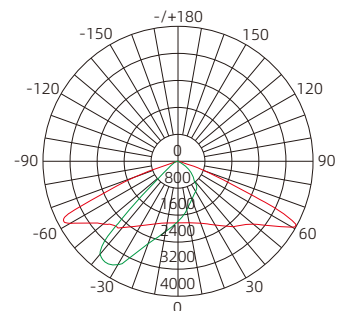
CZ0870d/105B-LED160W

 平均光束角 (50%) : 28.4度
 The average beam angle (50%) : 28.4 Degree

CZ0870d/108-LED90W

 平均光束角 (50%) : 28.4度
 The average beam angle (50%) : 28.4 Degree

CZ0870d/108-LED120W

 平均光束角 (50%) : 27.9度
 The average beam angle (50%) : 27.9 Degree

CZ0870d/108-LED160W
CZ0870d/LED 防爆灯 (马路灯) Explosion-proof light fittings (street type)

 平均光束角 (50%) : 127.0度
 The average beam angle (50%) : 127.0 Degree

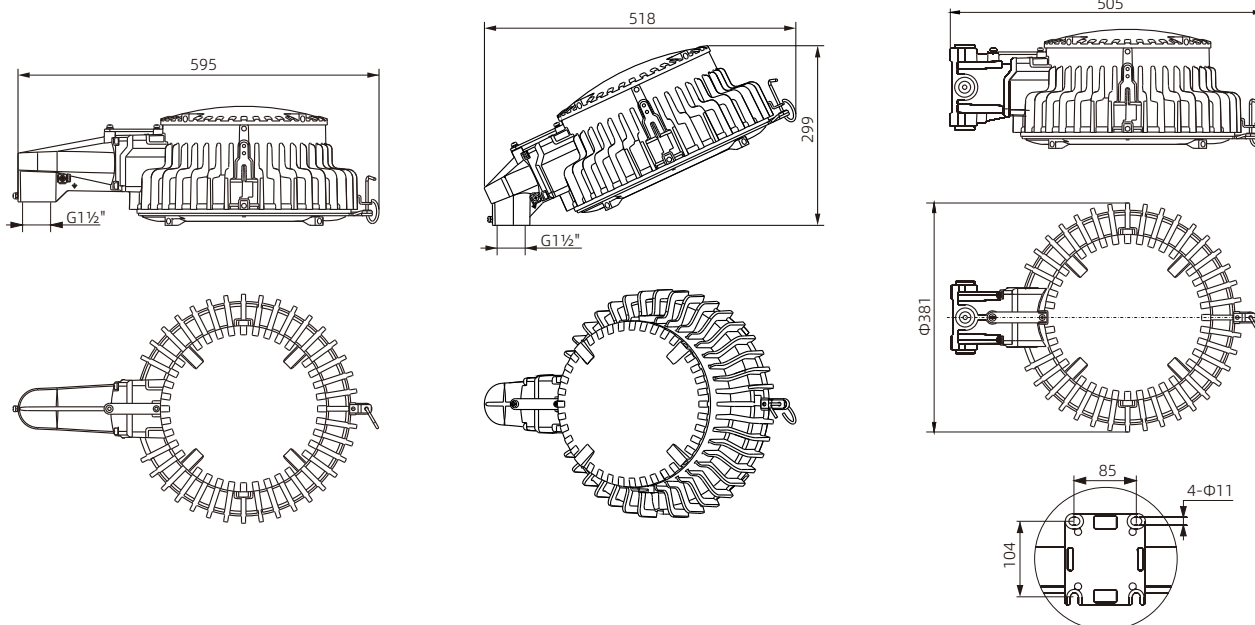
CZ0870d/110-LED90W

 平均光束角 (50%) : 126.6度
 The average beam angle (50%) : 126.6 Degree

CZ0870d/110-LED120W

 平均光束角 (50%) : 126.9度
 The average beam angle (50%) : 126.9 Degree

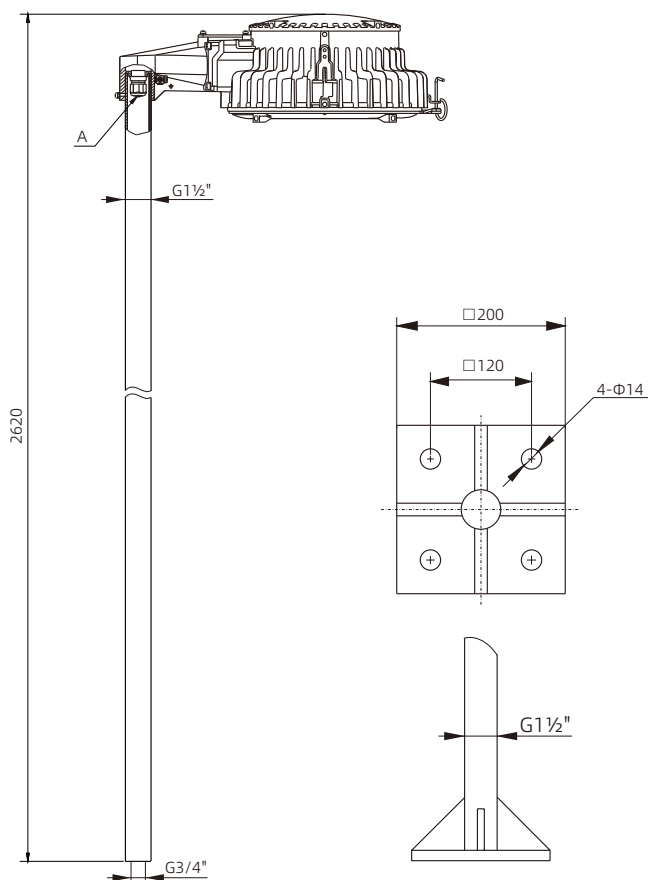
CZ0870d/110-LED160W

外形及安装尺寸 Outline and installation dimensions

单位 Unit: mm

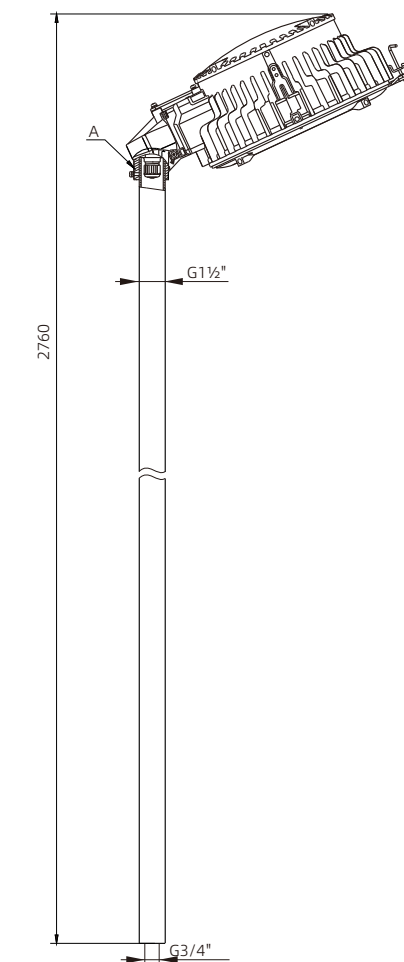


A 处表示内装M25塑料电缆密封套
 A represents a built-in moulded plastic M25 cable gland.



C – 灯头安装90°护栏式安装
 C – Lamp cap mounted in the angle of 90° Fence type

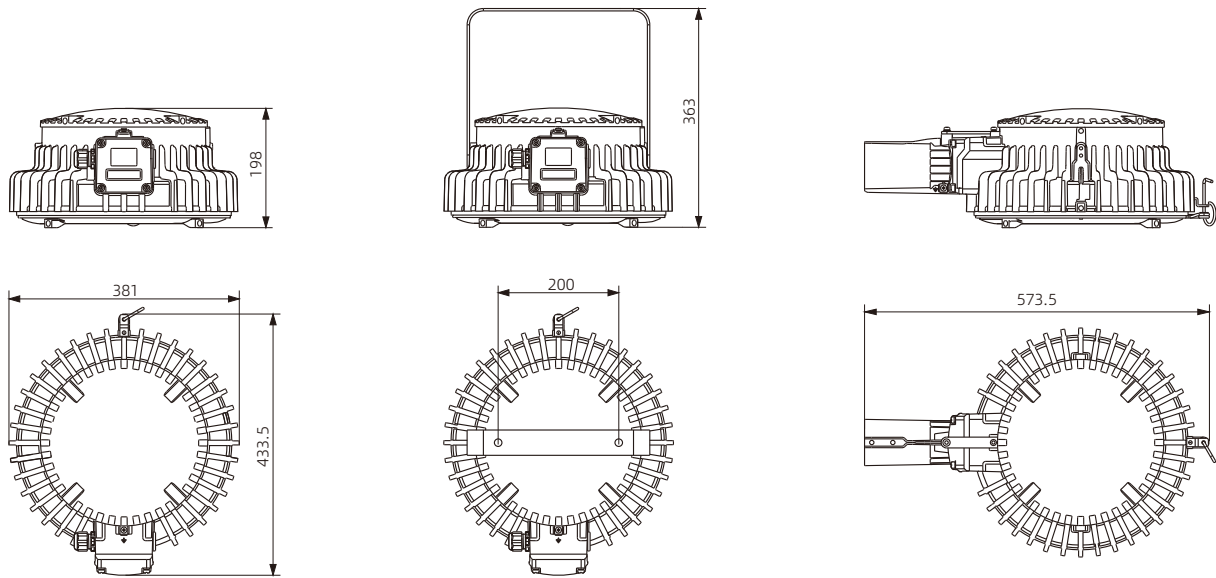
法兰式安装
 Flange type



D – 灯头安装25°护栏式安装
 D – Lamp cap mounted in the angle of 25° Fence type

外形及安装尺寸 Outline and installation dimensions

单位 Unit: mm



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安装形式和外形尺寸 Mounting ways and outline dimensions

单位 Unit: mm

