

CZ1875 / CZ1876



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描述 Descriptions

全塑防爆（应急）T8 LED灯，壳体由玻璃纤维增强聚酯压模成型，透明罩采用抗紫外线PC注塑成型，即适用于爆炸环境，也适用于强腐蚀性石化，化学场所和海洋环境等作为照明用。

全塑防爆（应急）T8 LED灯采用模块化设计，带有机电联锁装置，可选防爆行程开关，防爆熔断器。选配行程开关，实现开盖断电功能。光源配置 T8 LED灯管，对应装有电源，逆变器模块等，安装，维修和更换方便快捷。

全塑防爆应急T8 LED灯内置逆变器，电池模块等实现应急照明功能。

全塑防爆（应急）T8 LED灯，安装型式分为标准型和杆式安装型。

- 全塑防爆（应急）T8 LED灯标准型选装安装附件实现吸顶式、吊链式、吊杆式、壁式和夹管式。
- 全塑防爆（应急）T8 LED灯杆式安装型选装安装附件实现平台灯、墙壁灯。
- T8 LED灯管无频闪，无蓝光危害，自带漏电、浪涌保护。
- 永不变形的结构设计，防护等级高达IP66。
- IECEx 国际认证，ATEX 欧洲认证

The full plastic explosion-proof (emergency) T8 LED light fittings shell is molded by glass fiber reinforced polyester, and the transparent cover is molded by UV resistant PC injection molding, which is not only suitable for explosive environment, but also suitable for highly corrosive petrochemical and chemical places and marine environment as lighting.

The full plastic explosion-proof (emergency) T8 LED light fittings adopts modular design, with mechanism interlocking device, which can realize the function of opening the cover and cutting off power. The internal T8 fluorescent lamp tube and power module are convenient and fast for installation, maintenance and replacement.

The full plastic explosion-proof emergency T8 LED light fittings is equipped with an emergency battery module to realize the emergency lighting function. The emergency module is equipped with a built-in mechanical interlocking switch to realize the function of opening the cover and cutting off the power.

The installation types of full plastic explosion-proof (emergency) T8 LED light fittings are divided into standard type and pole mounting type.

- The standard type optional installation accessory can realize ceiling type, chain type, pendant type, wall type and clamp type installation.
- The pole mounting type optional installation accessory can realize platform type and wall type installation.
- T8 LED tube has no flicker, no blue light, and with built-in leakage, surge protection.
- The structural design is never distortion and its protection degree is up to IP66.
- IECEx and ATEX certified.

2 区

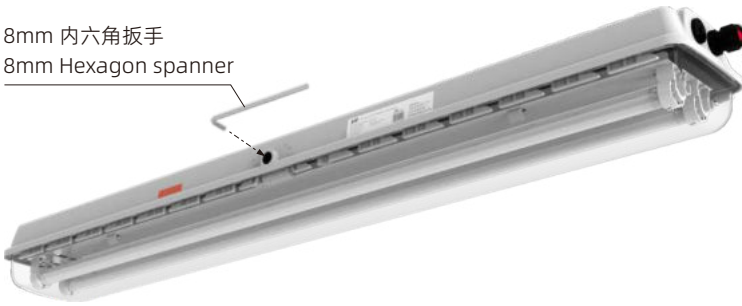
21 区和 22 区

Zone 2

Zone 21 and zone 22

示意图 Diagram

8mm 内六角扳手
8mm Hexagon spanner

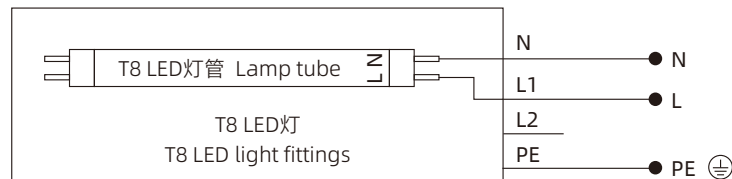


灯具设有机械联锁压紧装置和自动断电功能。用内六角打开时，自动切断正常照明和应急电源；闭合时，锁紧密封和自动送电。

The light fitting is equipped with mechanical interlocking pressing device and automatic power off function. Either the normal lighting or emergency power supply are automatically cut off when it is opened with a hexagon spanner. The power will be automatically transmitted when the light fitting is locked and sealed well.

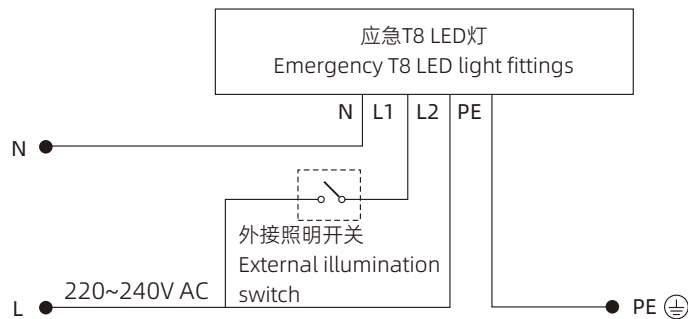
安装线路图 Wiring diagram

全塑防爆 T8 LED灯
Full plastic explosion-proof T8 LED light fittings



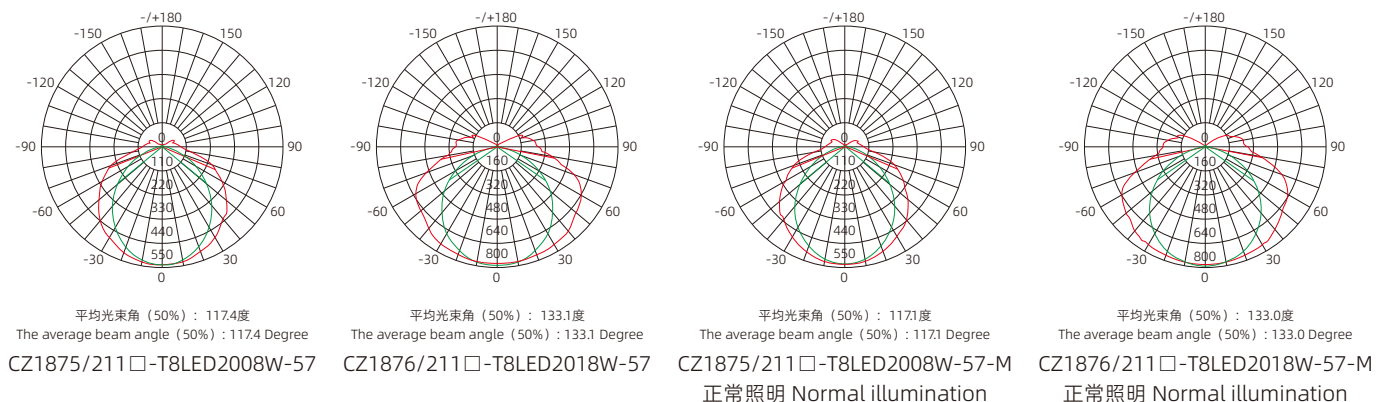
注：仅选用单端进线的T8 LED灯管
Note: Only use single-ended T8 LED tube

全塑防爆应急 T8 LED灯
Full plastic explosion-proof emergency T8 LED light fittings



配光曲线 Luminous intensity distribution curve

光强单位 luminous intensity unit: cd/1000 lm



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 ec II C T5/T4 Gc Ex tb IIIC T80°C Db Ex db ec II C T5/T4 Gc Ex tb IIIC T80°C Db 配置行程开关 With limit switch Ex db ec mb II C T5/T4 Gc Ex tb IIIC T80°C Db 配置行程开关和熔断器 With limit switch and fuse	GB/T3836
IECEX	Ex ec II C T5/T4 Gc Ex tb IIIC T80°C Db Ex db ec II C T5/T4 Gc Ex tb IIIC T80°C Db 配置行程开关 With limit switch Ex db ec mb II C T5/T4 Gc Ex tb IIIC T80°C Db 配置行程开关和熔断器 With limit switch and fuse	IEC60079
ATEX	ⓂII 3G2D Ex ec II C T5/T4 Gc Ex tb IIIC T80°C Db ⓂII 3G2D Ex db ec II C T5/T4 Gc Ex tb IIIC T80°C Db 配置行程开关 With limit switch ⓂII 3G2D Ex db ec mb II C T5/T4 Gc Ex tb IIIC T80°C Db 配置行程开关和熔断器 With limit switch and fuse	EN60079

适用范围：用于 2 区

用于 21 区和 22 区

使用环境温度：-40°C≤Ta≤+40°C (T5)

-40°C≤Ta≤+55°C (T4)

(使用环境温度取决于选用的T8 LED灯管)

防护等级：IP66 (IP64配呼吸阀CZ0527)

额定电压：AC220 ~ 240V 50/60Hz

功率因数：λ > 0.98

能效指数 EEI=A2

 接线端子：L、N、PE，每个端子 2×1.5-10mm²

电气配置：可选防爆行程开关，防爆熔断器

灯座代号/灯管类型：G13 / T8 LED灯管

电缆入口：标配M25 (可选M20)

标准型：

塑制 1-M25×1.5，电缆外径：Φ9-17mm

塑制 2-M25×1.5 空塞堵头

杆式安装：

塑制 1-M25×1.5，电缆外径：Φ9-17mm

符合：CE 2460

Intended use: Can be used in zone 2

Can be used in zone 21 and zone 22

Ambient temperature use: -40°C≤Ta≤+40°C (T5)

-40°C≤Ta≤+55°C (T4)

(The ambient temperature depends on the T8 LED tube selected)

Degree of protection: IP66 (IP64 with breather CZ0527)

Rated voltage: AC220 ~ 240V 50/60Hz

Power factor: λ > 0.98

Energy efficiency index EEI=A2

 Terminals: L, N, PE, each terminal 2×1.5-10mm²

 Electrical configuration: Optional Explosion-proof limit switch,
Explosion-proof fuse

Lamp holder code / Lamp tube type: G13 / T8 LED tube

Cable entry: Standard M25 (Optional M20)

Standard type:

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

Moulded plastic 2-M25×1.5 stopping plugs

Pole mounting type:

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

Conformity to: CE 2460

订购规格 Order specifications

图样 Illustration	功率 Power	光通量 Luminous flux	重量(kg) Weight	订购号 Order No.
	2×LED 8W	1824 lm	3.3	CZ1875/211S-T8LED2008W-57-□-B2+□
	2×LED 18W	3449 lm	5.7	CZ1876/211S-T8LED2018W-57-□-B2+□
	2×LED 8W	1824 lm	5.0	CZ1875/211P-T8LED2008W-57-□-A2+□
	2×LED 18W	3449 lm	7.4	CZ1876/211P-T8LED2018W-57-□-A2+□

S-标准型 Standard type

P-杆式安装型 Pole mounting type

安装型式

Mounting Type

K: 防爆行程开关模块

Explosion-proof limit switch module

KF: 防爆行程开关模块、防爆熔断器模块

Explosion-proof limit switch module, Explosion-proof fuse module

不配不注

Optional

电缆引入装置编码详见 D/23 页 Code of cable gland see page D/23

安装附件订购号 (不配不注) 见 D/24 页

Order No. of mounting accessories (Optional), see page D/24

注：T8 LED 灯管出厂不配，T8 LED 灯管安装在灯具内，光通量约损耗15%。

Note: T8 LED tube be ordered separately by users, The luminous flux loss around 15% when T8 LED tube is installed in the lamp.

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 ec II C T5/T4 GC Ex tb IIIC T80°C Db Ex db ec mb II C T5/T4 GC Ex tb IIIC T80°C Db 配置熔断器 With fuse	GB/T3836
IECEX	Ex db ec II C T5/T4 GC Ex tb IIIC T80°C Db Ex db ec mb II C T5/T4 GC Ex tb IIIC T80°C Db 配置熔断器 With fuse	IEC60079
ATEX	Ex II 3G2D Ex db ec II C T5/T4 Gc Ex tb IIIC T80°C Db Ex II 3G2D Ex db ec mb II C T5/T4 Gc Ex tb IIIC T80°C Db 配置熔断器 With fuse	EN60079

适用范围：用于 2 区，21 区和 22 区

 使用环境温度：-40°C≤Ta≤+40°C (T5)
 -40°C≤Ta≤+55°C (T4)

(使用环境温度取决于选用的T8 LED灯管)

防护等级：IP66 (IP64配呼吸阀CZ0527)

额定电压：AC220 ~ 240V 50/60Hz

功率因数：λ > 0.98

能效指数 EEI=A2

充电时间：24 h

电池充电环境温度：0°C ~ +55°C

电池放电环境温度：-20°C ~ +70°C

应急启动时间：0.1 s

应急照明时间：> 120 min

 接线端子：L、N、PE，每个端子 2×1.5-10mm²

电气配置：标配防爆行程开关

(可选防爆熔断器)

灯座代号/灯管类型：G13 / T8 LED灯管

电缆入口：标配M25 (可选M20)

标准型：

塑制 1-M25×1.5，电缆外径：Φ9-17mm

塑制 2-M25×1.5 空塞堵头

杆式安装：

塑制 1-M25×1.5，电缆外径：Φ9-17mm

符合：CE 2460

Intended use: Can be used in zone 2, zone 21 and zone 22

 Ambient temperature use: -40°C≤Ta≤+40°C (T5)
 -40°C≤Ta≤+55°C (T4)

(The ambient temperature depends on the T8 LED tube selected)

Degree of protection: IP66 (IP64 with breather CZ0527)

Rated voltage: AC220 ~ 240V 50/60Hz

Power factor: λ > 0.98

Energy efficiency index EEI=A2

Recharging time: 24 h

Battery charging ambient temperature: 0°C ~ +55°C

Battery discharge ambient temperature: -20°C ~ +70°C

Emergency starting time: 0.1 s

Emergency illuminating time: > 120 min

 Terminals: L, N, PE, each terminal 2×1.5-10mm²

Electrical configuration: Standard explosion-proof limit switch

(Optional explosion-proof fuse)

Lamp holder code / Lamp tube type: G13 / T8 LED tube

Cable entry: Standard M25 (Optional M20)

Standard type:

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

Moulded plastic 2-M25×1.5 stopping plugs

Pole mounting type:

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

Conformity to: CE 2460

订购规格 Order specifications

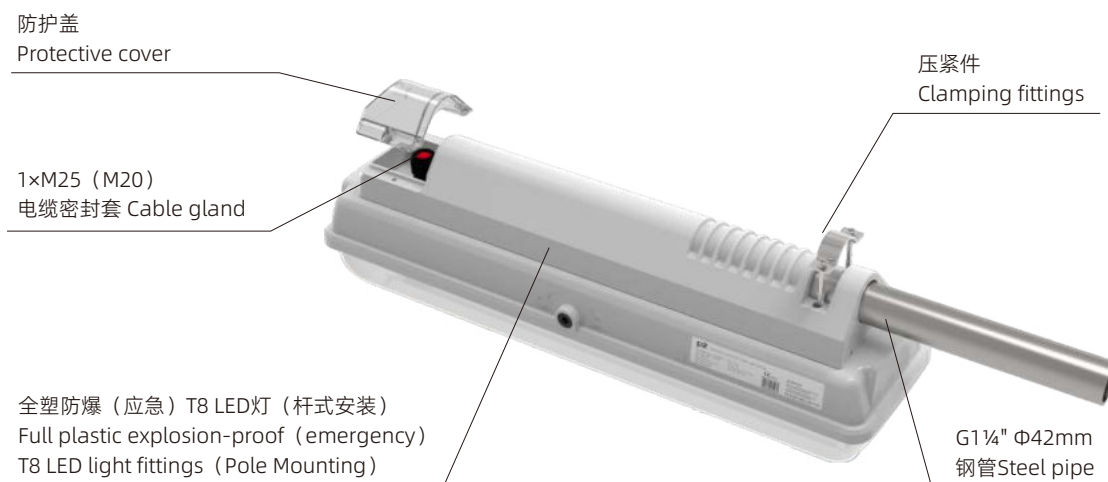
图样 Illustration	功率 Power		光通量 Luminous flux		重量(kg) Weight	订购号 Order No.
	正常照明 Normal illumination	应急照明 Emergency illumination	正常照明 Normal illumination	应急照明 Emergency illumination		
	2×LED 8W	1×LED 8W	1820 lm	1003 lm	5.2	CZ1875/221S-T8LED2008W-57-M-K□-B2+□
	2×LED 18W	1×LED 18W	3461 lm	1720 lm	8.0	CZ1876/221S-T8LED2018W-57-M-K□-B2+□
	2×LED 8W	1×LED 8W	1820 lm	1003 lm	6.9	CZ1875/221P-T8LED2008W-57-M-K□-A2+□
	2×LED 18W	1×LED 18W	3461 lm	1720 lm	9.7	CZ1876/221P-T8LED2018W-57-M-K□-A2+□
S-标准型 Standard type P-杆式安装型 Pole mounting type M-持续型 Maintained 安装型式 Mounting Type 应急型式 Type of emergency						
F: 防爆熔断器模块 (不配不注) Explosion-proof fuse module (Optional)						
电缆引入装置编码详见 D/23 页 Code of cable gland see page D/23						
安装附件订购号 (不配不注) 见 D/24 页 Order No. of mounting accessories (Optional), see page D/24						
注：T8 LED 灯管出厂不配，T8 LED 灯管安装在灯具内，光通量约损耗15%。 Note: T8 LED tube be ordered separately by users, The luminous flux loss around 15% when T8 LED tube is installed in the lamp.						

标准型灯具电缆引入装置编码 Code of cable entry for standard type

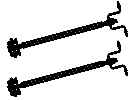
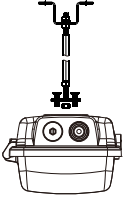
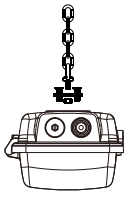
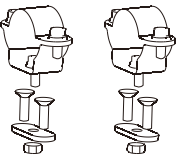
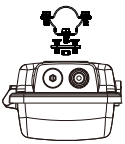
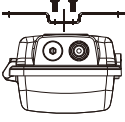
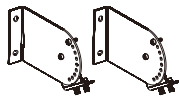
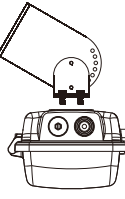
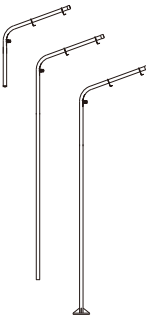
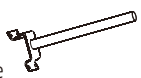
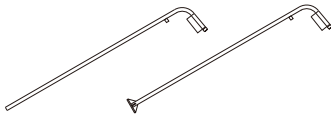
编码 Code	规格 Specifications	电缆直径 Cable diameter
B1	塑制 1 个 M20×1.5 电缆密封套，塑制 2 个 M20×1.5 空塞堵头 One moulded plastic M20×1.5 cable gland, two moulded plastic M20×1.5 stopping plugs	Φ6-13mm
C1	铜制 1 个 CZ0221/M20×1.5 金属电缆密封套，塑制 2 个 M20×1.5 空塞堵头 One brass CZ0221/M20×1.5 metal cable gland, two moulded plastic M20×1.5 stopping plugs	Φ6-13mm
D1	塑制 2 个 M20×1.5 电缆密封套，塑制 1 个 M20×1.5 空塞堵头 Two moulded plastic M20×1.5 cable glands, one moulded plastic M20×1.5 stopping plug	Φ6-13mm
E1	铜制 2 个 CZ0221/M20×1.5 金属电缆密封套，塑制 1 个 M20×1.5 空塞堵头 Two brass CZ0221/M20×1.5 metal cable glands, one moulded plastic M20×1.5 stopping plug	Φ6-13mm
H1	铜制 1 个 CZ0226/M20×1.5(G01) 增安型金属电缆密封套，塑制 2 个 M20×1.5 空塞堵头 One brass CZ0226/M20×1.5(G01) increased safety metal cable gland, two moulded plastic M20×1.5 stopping plugs	Φ8-13.5mm
I1	铜制 2 个 CZ0226/M20×1.5(G01) 增安型金属电缆密封套，塑制 1 个 M20×1.5 空塞堵头 Two brass CZ0226/M20×1.5(G01) increased safety metal cable glands, one moulded plastic M20×1.5 stopping plug	Φ8-13.5mm
B2	塑制 1 个 M25×1.5 电缆密封套，塑制 2 个 M25×1.5 空塞堵头 One moulded plastic M25×1.5 cable gland, two moulded plastic M25×1.5 stopping plugs	Φ9-17mm
C2	铜制 1 个 CZ0221/M25×1.5 金属电缆密封套，塑制 2 个 M25×1.5 空塞堵头 One brass CZ0221/M25×1.5 metal cable gland, two moulded plastic M25×1.5 stopping plugs	Φ9-17mm
D2	塑制 2 个 M25×1.5 电缆密封套，塑制 1 个 M25×1.5 空塞堵头 Two moulded plastic M25×1.5 cable glands, one moulded plastic M25×1.5 stopping plug	Φ9-17mm
E2	铜制 2 个 CZ0221/M25×1.5 金属电缆密封套，塑制 1 个 M25×1.5 空塞堵头 Two brass CZ0221/M25×1.5 metal cable glands, one moulded plastic M25×1.5 stopping plug	Φ9-17mm
H2	铜制 1 个 CZ0226/M25×1.5(G02) 增安型金属电缆密封套，塑制 2 个 M25×1.5 空塞堵头 One brass CZ0226/M25×1.5(G02) increased safety metal cable gland, two moulded plastic M25×1.5 stopping plugs	Φ11.5-16mm
I2	铜制 2 个 CZ0226/M25×1.5(G02) 增安型金属电缆密封套，塑制 1 个 M25×1.5 空塞堵头 Two brass CZ0226/M25×1.5(G02) increased safety metal cable glands, one moulded plastic M25×1.5 stopping plug	Φ11.5-16mm

杆式安装型灯具电缆引入装置编码 Code of cable entry for pole mounting type

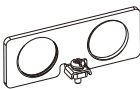
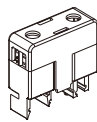
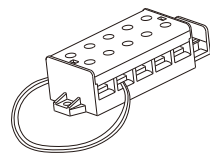
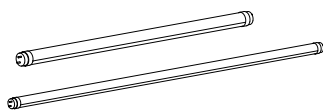
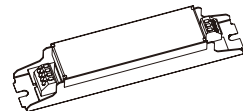
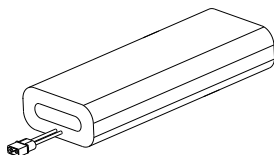
编码 Code	规格 Specifications	电缆直径 Cable diameter
A1	塑制 1 个 M20×1.5 电缆密封套 One moulded plastic M20×1.5 cable gland	Φ6-13mm
A2	塑制 1 个 M25×1.5 电缆密封套 One moulded plastic M25×1.5 cable gland	Φ9-17mm

全塑防爆（应急）T8 LED灯杆式安装示意图 Diagram of pole mounting


安装附件 Accessories of mounting

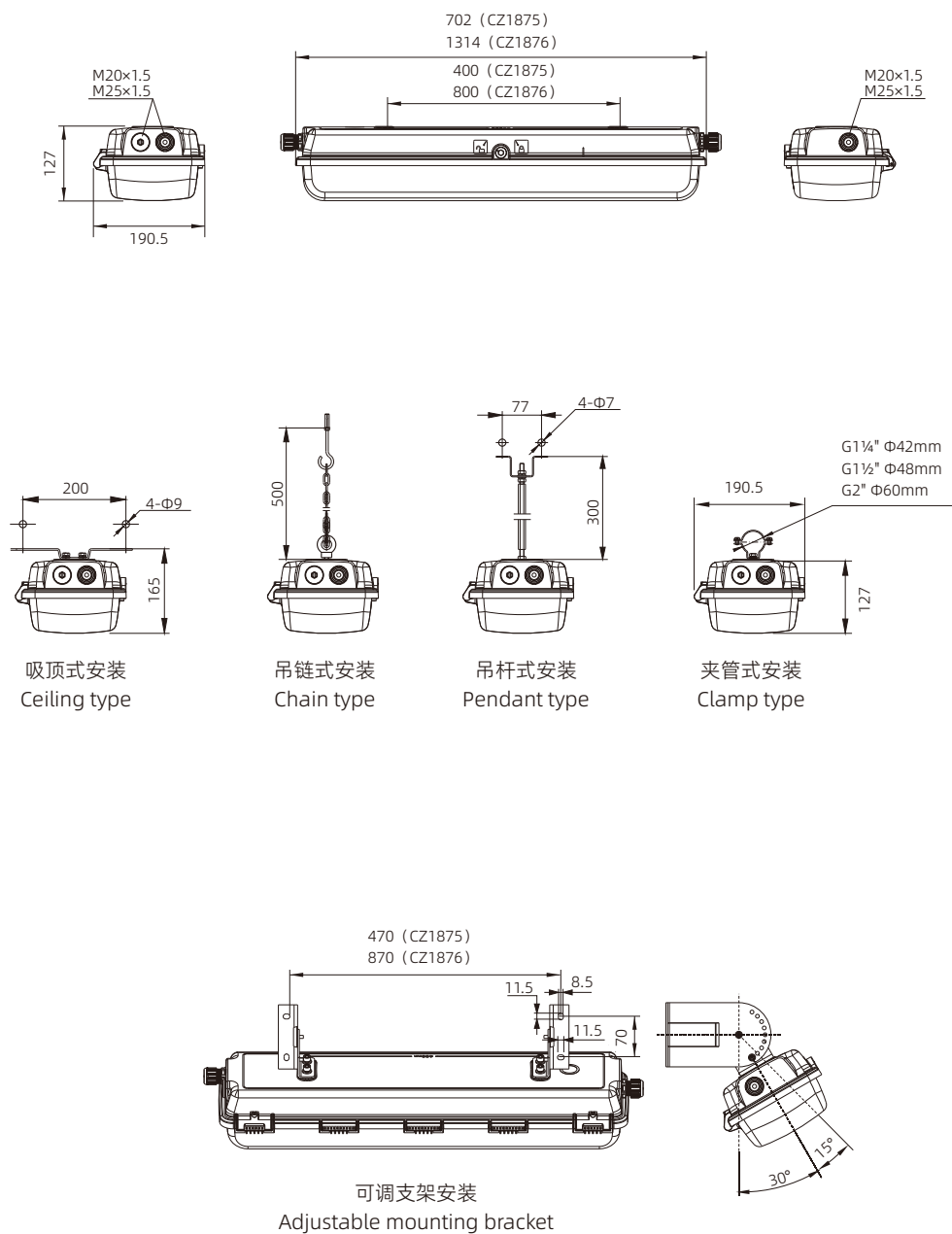
图样 Illustration	描述 Descriptions		单位 Unit	订购号 Order No.
吊杆式附件 Accessories for pendant type 			套 Set	D622
吊链式附件 Accessories for chain type 			套 Set	D623
 夹管附件M8螺钉安装 Accessories for clamp type M8 bolt mounting		G1 1/4"Φ42mm 不锈钢 Stainless steel	套 Set	J200/304
		G1 1/2"Φ48mm 不锈钢 Stainless steel	套 Set	J300/304
		G2"Φ60mm 不锈钢 Stainless steel	套 Set	J400/304
 吸顶式支架 Support for ceiling type		不锈钢 Stainless steel	套 Set	D621/304
 可调安装支架 Adjustable mounting bracket			套 Set	D8738
壁式灯杆 Lamp pole of wall type		用于CZ1875 T8 LED灯 Used for CZ1875 T8 LED light fittings	套 Set	D8709/1A
		用于CZ1876 T8 LED灯 Used for CZ1876 T8 LED light fittings	套 Set	D8709/2A
护栏式灯杆 Lamp pole of fence type		用于CZ1875 T8 LED灯 Used for CZ1875 T8 LED light fittings	套 Set	D8710/1A
		用于CZ1876 T8 LED灯 Used for CZ1876 T8 LED light fittings	套 Set	D8710/2A
法兰式灯杆 Lamp pole of flange type		用于CZ1875 T8 LED灯 Used for CZ1875 T8 LED light fittings	套 Set	D8711/1A
		用于CZ1876 T8 LED灯 Used for CZ1876 T8 LED light fittings	套 Set	D8711/2A
杆式墙壁安装支架 Wall mounting bracket of pole type 		用于杆式安装T8 LED灯 Use for pole mounting linear T8 LED light fittings	套 Set	D8739
护栏式灯杆 Lamp pole of fence type		用于杆式安装T8 LED灯 Use for pole mounting linear T8 LED light fittings	套 Set	D8740
法兰式灯杆 Lamp pole of flange type			套 Set	D8741
护栏式灯杆 Lamp pole of fence type			套 Set	D8705
法兰式灯杆 Lamp pole of flange type			套 Set	D8706
安装支架 Mounting bracket 		用于CZ1875 T8 LED灯 Used for CZ1875 T8 LED light fittings	套 Set	D8742/1
		用于CZ1876 T8 LED灯 Used for CZ1876 T8 LED light fittings	套 Set	D8742/2

备件 Spare parts

图样 Illustration	描述 Descriptions		单位 Unit	订购号 Order No.
 接地螺母 Earthing nut	金属接地螺母 2-M20×1.5 Metal earthing nut 2-M20×1.5		套 Set	D8714/2-M20
	金属接地螺母 2-M25×1.5 Metal earthing nut 2-M25×1.5		套 Set	D8714/2-M25
 防爆熔断器模块 Explosion-proof fuse module	防爆型式 Type of protection Ⅱ 2G Ex e mb IIC Gb	0.8A	只 Piece	CZ0804 / T0.8A
		1.25A	只 Piece	CZ0804 / T1.25A
		6.3A	只 Piece	CZ0804 / T6.3A
 防爆行程开关模块 Explosion-proof limit switch module	防爆型式 Type of protection Ⅱ 2G Ex db eb IIC Gb 触点二常闭 (2NC) Contact: 2NC		只 Piece	CZ0207-1
 带导线端子板 With conductor terminal board	3P 端子, 导线 3×2.5mm ² , max16A, L1+N+PE 3P terminal, Conductor 3×2.5mm ²		套 Set	305/1A
	4P 端子, 导线 4×2.5mm ² , max16A, L1+L2+N+PE 4P terminal, Conductor 4×2.5mm ²		套 Set	305/3A
 “PHILIPS飞利浦” T8 LED灯管 “PHILIPS” T8 LED tubes	T8 8W、18W LED灯管, 电压220~240V AC 50~60Hz, 光通量800lm、2100lm, 色温6500K, 寿命40000h T8 8W, 18W LED tube, Voltage 220~240V AC 50~60Hz, Luminous flux 800lm, 2100lm, Color temperature 6500K, Lifetime 40000 hours		只 Piece	600mm 8W 865 HO 800lm
				1200mm 18W 865 HO 2100lm
 逆变器模块 Inverter module	应急功率: 1×8W、1×18W Emergency power: 1×8W, 1×18W 用于CZ1875、CZ1876防爆应急 T8 LED灯 Used for CZ1875, CZ1876 explosion-proof emergency T8 LED light fittings		只 Piece	XF-ZLZD-E60WR
 电池模块 Battery module	规格 Specifications: 3.0Ah/12V 用于CZ1875防爆应急 T8 LED灯 Used for CZ1875 explosion-proof emergency T8 LED light fittings		套 Set	CZ0819/3.0Ah 12V
	规格 Specifications: 4.5Ah/12V 用于CZ1876防爆应急 T8 LED灯 Used for CZ1876 explosion-proof emergency T8 LED light fittings		套 Set	CZ0819/4.5Ah 12V

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

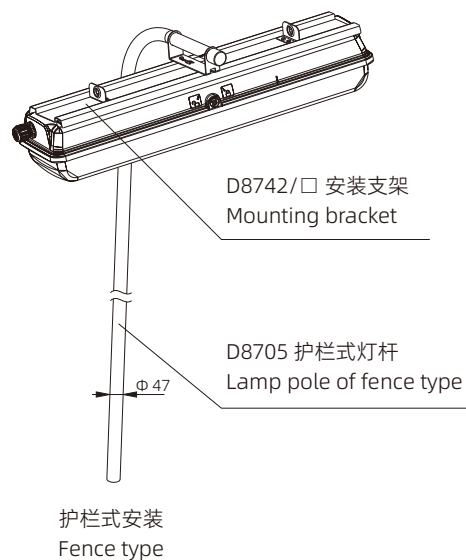
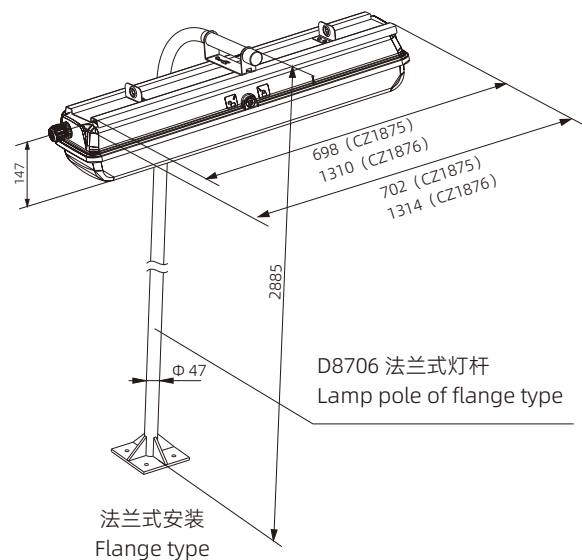
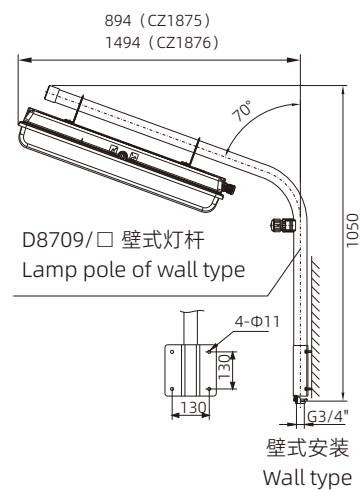
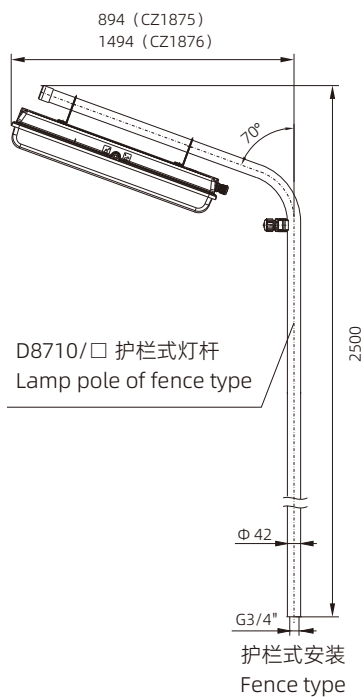
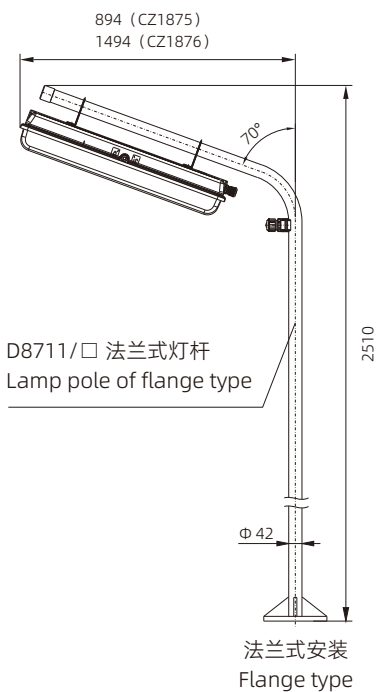
单位 Unit: mm



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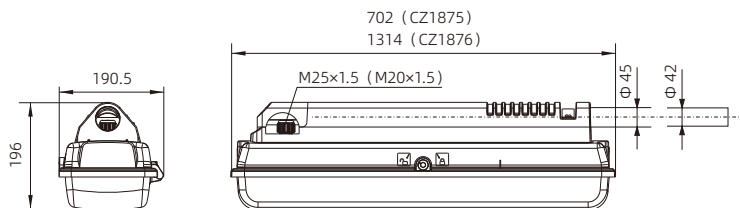
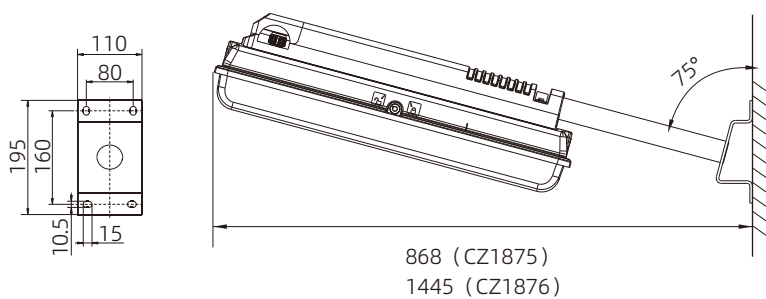
安装形式和外形尺寸 Mounting types and outline dimensions

单位 Unit: mm



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

单位 Unit: mm


 全塑防爆（应急）T8 LED 灯（杆式安装）
 Full plastic explosion-proof (emergency) T8 LED light fittings (Pole Mounting)

 D8739 杆式墙壁安装支架
 Wall mounting bracket of pole type
