

# CZ1361/1362

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## 描述 Descriptions

防爆（应急）LED 条形灯壳体由碳钢或 304/316L 不锈钢成型，透明罩采用钢化玻璃，其稳定性及机械强度高，具有良好的防护能力。壳体与透明罩间设有发泡硅橡胶密封圈，密封结构为多层压缩接触，保证外壳防护高达IP66。

防爆LED 条形灯采用模块化设计，带有机械联锁装置，通过内置防爆行程开关，实现开盖断电功能，内装置LED光源模块、电源模块等Ex元件（U证），安装、维修和更换方便快捷。

防爆应急LED 条形灯，配置应急照明电源模块、电池模块，实现应急照明功能，内置机械联锁开关，实现开盖断电功能。

防爆LED 条形灯通过调光控制系统对灯具的照明需求进行改变，达到绿色节能照明。

- 灯具安装附件可选：可调式支架和嵌入式支架。
- 设有联锁机构，透明罩与壳体没有完全闭合密封时不能通电工作，确保使用安全。
- 应急照明设有故障信号指示、充电信号指示、放电信号指示。
- LED光源模块有两种光学设计，发光角度分别为55°和110°。
- LED电源模块有过温保护、过压保护、短路保护功能。
- 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）
- LED条形灯具具备0-10V可调光。

## 1 区和 2 区

## 21 区和 22 区

## Zone 1 and zone 2

## Zone 21 and zone 22

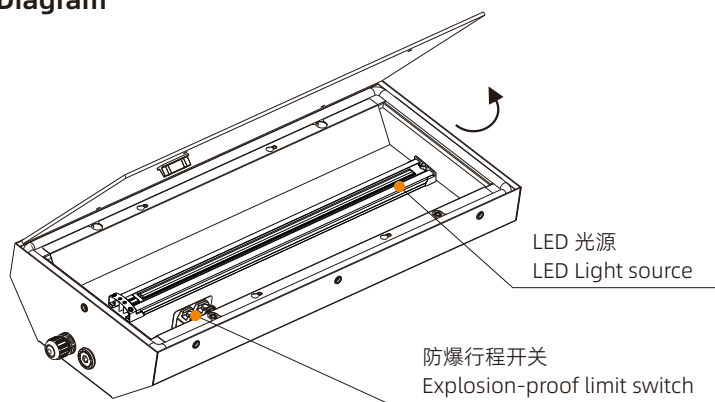
Explosion-proof (emergency) LED linear light fittings are manufactured by carbon steel, stainless steel 304/316L and the transparent parts are manufactured by toughened glass. They have good protection ability.

Explosion-proof LED liner light fittings adopts modular design with mechanical interlocking device. Through the built-in explosion-proof limit switch, the cover opening and power-off function is realized. The LED light source module, power supply module and other ex components (U certificate) are installed inside, which is convenient for installation, maintenance and replacement.

Explosion proof emergency LED liner light fittings are equipped with emergency lighting power module and battery module to realize emergency lighting function and built-in mechanical interlock switch to realize cover opening and power off function. Explosion-proof LED liner light fittings changes the lighting demand of the lamp through the dimming control system to achieve green energy-saving lighting.

- Mounting accessories available in adjustable brackets and recessed brackets.
- It is equipped with an interlocking mechanism. When the transparent cover and the shell are not completely closed and sealed, it cannot be powered on to ensure safe use.
- Emergency ones have indicators of fault, charging and discharging.
- LED light source module available two optical design, which beam angle is 55° and 110°.
- LED power module has over-temperature protection, over-voltage protection and short-circuit protection functions.
- Degree of protection up to IP66.
- IECEx and ATEX certified.
- Can be customized high lighting effect light source, which over 135lm/W (comply to China level 1 energy efficiency standard)
- LED linear lighting with dimming range 0-10V.

示意图 Diagram

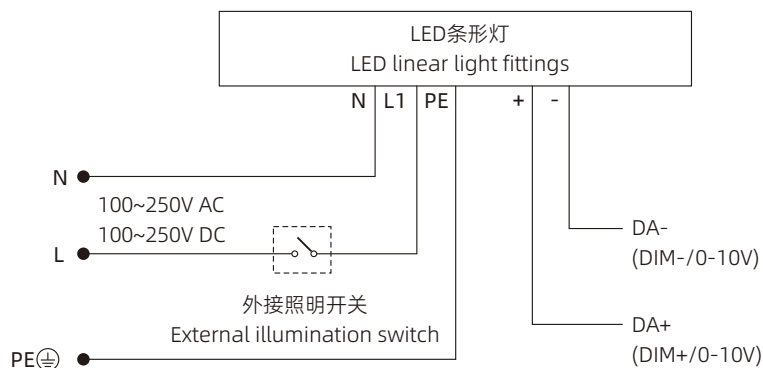


灯具设有机械联锁压紧装置和自动断电功能。打开玻璃罩时，自动切断正常照明和应急电源；闭合时，锁紧密封和自动送电。

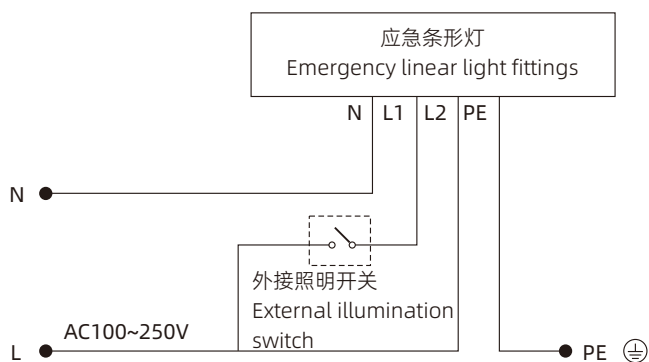
The light fittings have functions such as mechanical interlocking compaction device and automatic power off ,which the power of normal illumination and emergency illumination can be switched off when the mechanical interlocking device is unlocked by glass cover, and contrariwise, the mechanical interlocking can be locked up to be closed and power would be automatically switched on when the mechanical interlocking device is locked by such glass cover.

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灯具安装线路图 Wiring diagram for light fittings



应急灯具安装线路图 Wiring diagram for emergency light fittings



**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 mb q II C T5/T4 Gb Ex tb III C T80°C Db	GB/T3836
IECEX	Ex db eb mb q II C T5/T4 Gb Ex tb III C T80°C Db	IEC60079
ATEX	Ⓔ II 2 G D Ex db eb mb q II C T5/T4 Gb Ex tb III C T80°C Db	EN60079

**A**

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 (T5) -40°C≤Ta≤+55°C (T4) 防护等级：IP66 (IP64 配呼吸阀 CZ0527) 额定电压：AC100 ~ 250V 50/60Hz、DC 100~250V 光源：LED 色温：标配5000K，(可选3000K、4000K、6500K) 高功率因数/低谐波：> 0.9, < 15% 调光范围：10%-100%，支持关灯 隔离的 0-10V 调光 可配置的输出窗口 (Iout/Vout) 适用安装高度：宽光型：≤3m；窄光型：3 ~ 6m 接线端子：L1、L2、L、N、PE，每个端子 2×1.5-10mm <sup>2</sup> 电气配置：标配防爆行程开关 (可选防爆熔断器) 电缆入口：标配M25 (可选M20) 塑制 1-M25×1.5，电缆外径：Φ9-17mm 塑制 2-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 use: -40°C≤Ta≤+40°C (T5) -40°C≤Ta≤+55°C (T4) Degree of protection: IP66 (IP64 with breather CZ0527) Rated voltage: AC100 ~ 250V 50/60Hz, DC 100~250V Light source: LED Colour temperature: Standard 5000K, (Optional 3000K, 4000K, 6500K) High power factor / low harmonic: > 0.9, < 15% Dimming range: 10% - 100%, Lighting can be turn off Isolated 0-10V dimming Configurable output value (Iout / Vout) Applicable installation height: Wide beam: ≤ 3m, Narrow beam: 3 ~ 6m Terminals: L1, L2, L, N, PE, each terminal 2×1.5-10mm <sup>2</sup> Electrical configuration: Standard explosion-proof limit switch (Optional explosion-proof fuse module) Cable entry: Standard M25 (Optional M20) Moulded plastic 1-M25×1.5 cable gland, outside diameter of cable: Φ9-17mm Moulded plastic 2-M25×1.5 stopping plugs Conformity to: CE 2460
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**订购规格 Order specifications**

图样 Illustration	配光 Light distribution	光源功率 Power of light source	光通量 Luminous flux	重量(kg) Weight	订购号 Order No.
	宽光型 Wide beam	1×LED 26W	2899 lm	8.6	<b>CZ1361/□-LED0026WWB5B-17-K□-B2+□</b>
		2×LED 26W	5939 lm	15.4	<b>CZ1362/□-LED2026WWB5B-17-K□-B2+□</b>
	窄光型 Narrow beam	1×LED 26W	2718 lm	8.6	<b>CZ1361/□-LED0026WNB5B-17-K□-B2+□</b>
		2×LED 26W	5454 lm	15.4	<b>CZ1362/□-LED2026WNB5B-17-K□-B2+□</b>

**23**: 碳钢 (表面喷涂白色塑粉)  
 Carbon steel (Surface white plastic powder coated)

**40**: 304 不锈钢 (表面拉丝处理)  
 stainless steel 304 (Surface brushed treatment)

**60**: 316L 不锈钢 (表面拉丝处理)  
 stainless steel 316L (Surface brushed treatment)

← 外壳材料  
 Material of enclosure

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

← 色温  
 Colour temperature

**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 A/41 页 Code of cable gland see page A/41

安装附件订购号 (不配不注) 见 A/43 页  
 Order No. of mounting accessories (Optional), see page A/43

**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 mb q II C T5/T4 Gb Ex tb III C T80°C Db	GB/T3836
IECEX	Ex db eb mb q II C T5/T4 Gb Ex tb III C T80°C Db	IEC60079
ATEX	Ⓔ II 2 G D Ex db eb mb q II C T5/T4 Gb Ex tb III C T80°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:  $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$  (T5)  
 $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$  (T4)

 Ambient temperature use:  $-40^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$  (T5)  
 $-40^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$  (T4)

防护等级: IP66 (IP64 配呼吸阀 CZ0527)

Degree of protection: IP66 (IP64 with breather CZ0527)

额定电压: AC 100 ~ 250V 50/60Hz, DC 100 ~ 250V

Rated voltage: AC 100 ~ 250V 50/60Hz, DC 100 ~ 250V

色温: 标配 5000K, (可选 3000K, 4000K, 6500K)

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

 功率因数:  $\lambda > 0.9$ 

 Power factor:  $\lambda > 0.9$ 

充电时间: 24 h

Recharging time: 24 h

 电池充电环境温度:  $0^{\circ}\text{C} \sim +55^{\circ}\text{C}$ 

 Battery charging ambient temperature:  $0^{\circ}\text{C} \sim +55^{\circ}\text{C}$ 

 电池放电环境温度:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ 

 Battery discharge ambient temperature:  $-20^{\circ}\text{C} \sim +70^{\circ}\text{C}$ 

应急启动时间: 0.1 (S)

Emergency starting time: 0.1 (S)

 应急照明时间:  $> 180$  (min)

 Emergency illuminating time:  $> 180$  (min)

 适用安装高度: 宽光型:  $\leq 3\text{m}$ ; 窄光型:  $3 \sim 6\text{m}$ 

 Applicable installation height: Wide beam:  $\leq 3\text{m}$ , Narrow beam:  $3 \sim 6\text{m}$ 

 接线端子: L1、L2、L、N、PE, 每个端子  $2 \times 1.5\text{-}10\text{mm}^2$ 

 Terminals: L1, L2, L, N, PE, each terminal  $2 \times 1.5\text{-}10\text{mm}^2$ 

 电气配置: 标配防爆行程开关  
 (可选防爆熔断器)

 Electrical configuration: Standard explosion-proof limit switch  
 (Optional explosion-proof fuse module)

电缆入口: 标配 M25 (可选 M20)

Cable entry: Standard M25 (Optional M20)

 塑制 1-M25 $\times$ 1.5, 电缆外径:  $\Phi 9\text{-}17\text{mm}$ 

 Moulded plastic 1-M25 $\times$ 1.5 cable gland, outside diameter of cable:  $\Phi 9\text{-}17\text{mm}$ 

 塑制 2-M25 $\times$ 1.5 空塞堵头

 Moulded plastic 2-M25 $\times$ 1.5 stopping plugs

符合: CE 2460

Conformity to: CE 2460

**A**
**订购规格 Order specifications**

图样 Illustration	配光 Light distribution	光源功率 Power of light source	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		
	宽光型 Wide beam	1 $\times$ LED 26W	2899lm	780lm	9.52	<b>CZ1361/□-LED0026WWB5B-17-M-K□-B2+□</b>
		2 $\times$ LED 26W	5857lm	1126lm	17.50	<b>CZ1362/□-LED2026WWB5B-17-M-K□-B2+□</b>
	窄光型 Narrow beam	1 $\times$ LED 26W	2718lm	731lm	9.20	<b>CZ1361/□-LED0026WNB5B-17-M-K□-B2+□</b>
		2 $\times$ LED 26W	5518lm	1061lm	16.75	<b>CZ1362/□-LED2026WNB5B-17-M-K□-B2+□</b>

**23:** 碳钢 (表面喷涂白色塑粉)

Carbon steel (Surface white plastic powder coated)

**40:** 304 不锈钢 (表面拉丝处理)

stainless steel 304 (Surface brushed treatment)

**60:** 316L 不锈钢 (表面拉丝处理)

stainless steel 316L (Surface brushed treatment)

 外壳材料  
 Material of  
 enclosure

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

**M-持续型 Maintained** ← 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 A/41 页 Code of cable gland see page A/41

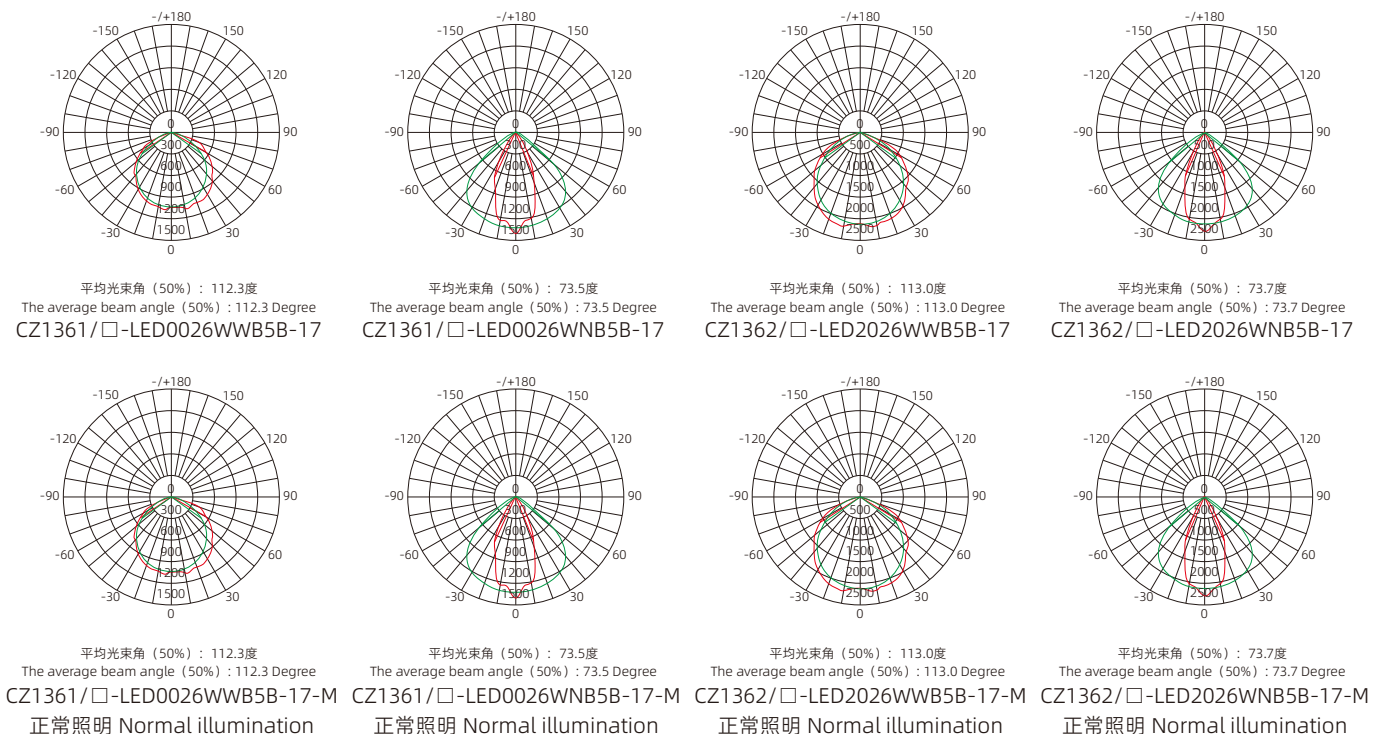
 安装附件订购号 (不配不注) 见 A/43 页  
 Order No. of mounting accessories (Optional), see page A/43

**电缆引入装置编码 Code of cable gland**

编码 Code	规格 Specifications	电缆直径 Cable diameter
<b>B1</b>	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
<b>C1</b>	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
<b>D1</b>	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
<b>E1</b>	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
<b>H1</b>	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
<b>B2</b>	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
<b>C2</b>	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
<b>D2</b>	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
<b>E2</b>	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
<b>H2</b>	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

**配光曲线 Luminous intensity distribution curve**

光强单位 luminous intensity unit: Cd

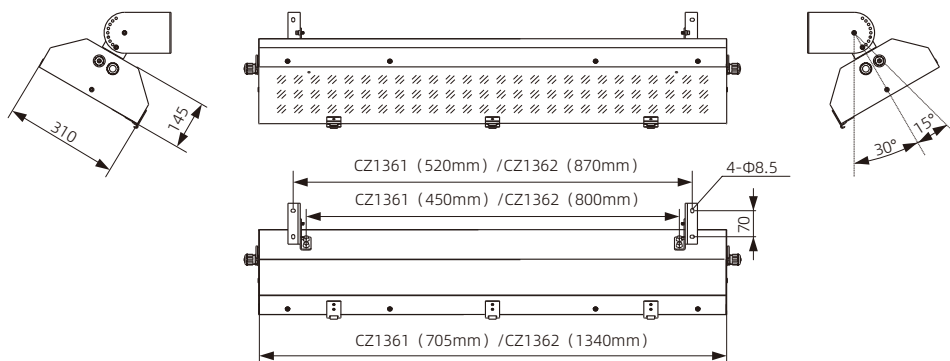


**外形尺寸 Outline dimensions**

单位 Unit: mm

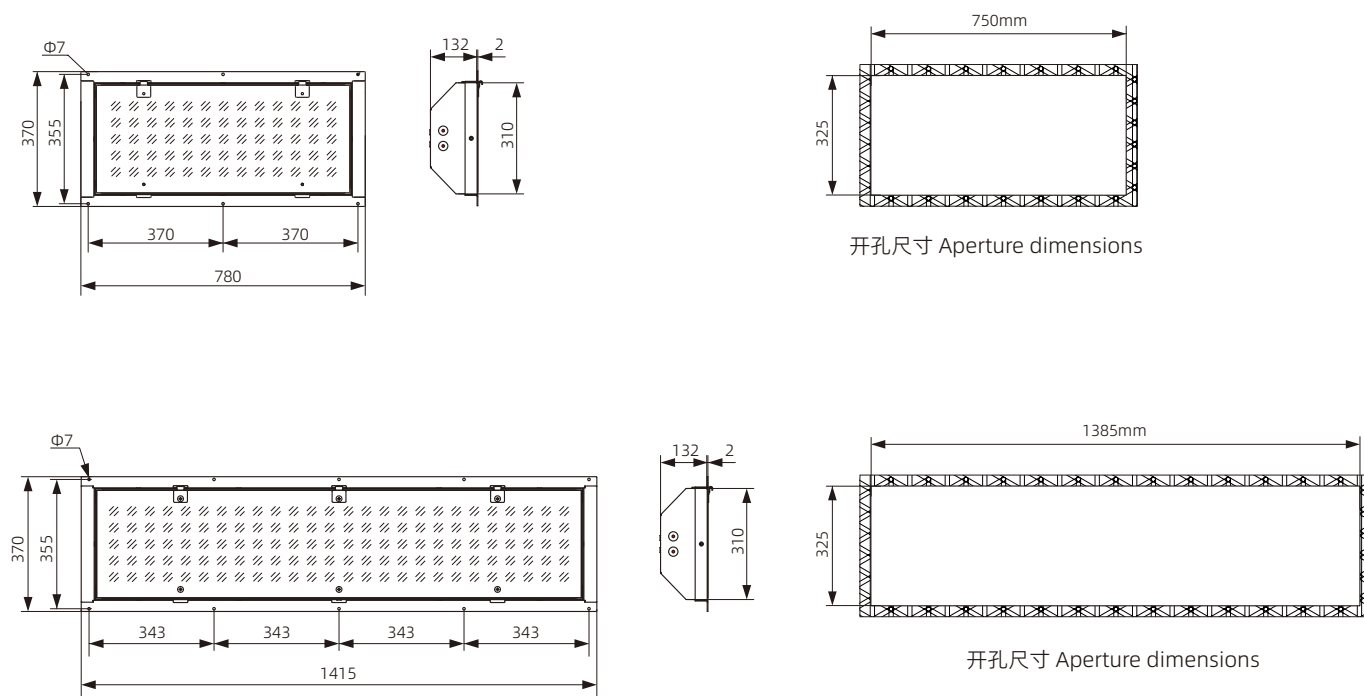
可调式安装

Adjustable mounting

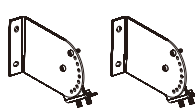
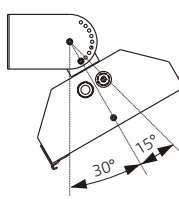
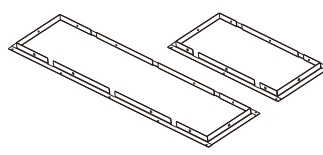

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嵌入式安装


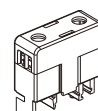

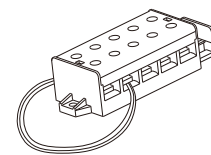
Recessed type mounting



**安装附件 Accessories of mounting**


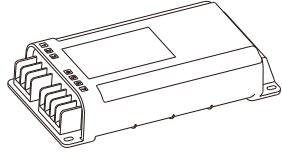
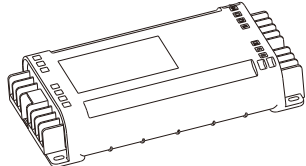
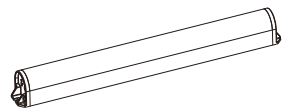
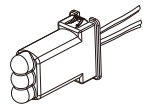
图样 Illustration	描述 Descriptions	单位 Unit	订购号 Order No.	
 可调安装支架 Adjustable mounting bracket		套 Set	<b>D8738</b>	
 嵌入式安装支架 Recessed type mounting bracket	用于1×LED 26W条形灯 Used for 1×LED 26W linear light fittings	碳钢 Carbon steel	套 Set	<b>D8743/123</b>
		304 不锈钢 Stainless steel	套 Set	<b>D8743/140</b>
		316L 不锈钢 Stainless steel	套 Set	<b>D8743/160</b>
	用于2×LED 26W条形灯 Used for 2×LED 26W linear light fittings	碳钢 Carbon steel	套 Set	<b>D8743/223</b>
		304 不锈钢 Stainless steel	套 Set	<b>D8743/240</b>
		316L 不锈钢 Stainless steel	套 Set	<b>D8743/260</b>

**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	<b>D8714/2-M20</b>	
	金属接地螺母 2-M25×1.5 Metal earthing nut 2-M25×1.5	套 Set	<b>D8714/2-M25</b>	
 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	<b>CZ0804 / T0.8A</b>
		1.25A	只 Piece	<b>CZ0804 / T1.25A</b>
		6.3A	只 Piece	<b>CZ0804 / T6.3A</b>
 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 触点二常开 (2NO) Contact: 2NO	只 Piece	<b>CZ0207-2</b>	
 带导线端子板 Terminal board with cable	3P 端子, 导线 3×2.5mm <sup>2</sup> , max16A, L1+N+PE 3P terminal, Conductor 3×2.5mm <sup>2</sup>	套 Set	<b>305/1A</b>	
	4P 端子, 导线 4×2.5mm <sup>2</sup> , max16A, L1+L2+N+PE 4P terminal, Conductor 4×2.5mm <sup>2</sup>	套 Set	<b>305/3A</b>	



**备件 Spare parts**

图样 Illustration	描述 Descriptions	单位 Unit	订购号 Order No.
 防爆 LED 光源模块 Explosion-proof LED light source module	II 2G Ex eb mb IIC Gb 功率 Power: Max30W / 4240 lm / 5000K 宽光型（发光角度110°） Wide beam (Luminous angle 110°)	只 Piece	<b>CZ1618/11B-LED30WWB5B</b>
	II 2G Ex eb mb IIC Gb 功率 Power: Max30W / 4240 lm / 5000K 窄光型（发光角度55°） Narrow beam (Luminous angle 55°)	只 Piece	<b>CZ1618/11B-LED30WNB5B</b>
 防爆电源可调光模块（0-10V） Explosion-proof power supply module with lighting dimming (0-10V)	防爆型式 Type of protection II 2G Ex eb q IIC Gb 功率: 最大30W, 用于 1×LED26W 条形灯 Power: Max30W, Used for 1×LED26W linear light fittings AC/DC 100~250V 50/60Hz	只 Piece	<b>CZ1618/57B-LED30W</b>
	防爆型式 Type of protection II 2G Ex eb q IIC Gb 功率: 最大60W, 用于 2×LED26W 条形灯 Power: Max60W, Used for 2×LED26W linear light fittings AC/DC 100~250V 50/60Hz	只 Piece	<b>CZ1618/57B-LED60W</b>
 防爆应急照明电源模块 Explosion-proof emergency lighting power supply module	防爆型式 Type of protection II 2G Ex eb q IIC Gb 正常功率: 最大30W, 应急功率: 7W, 用于1×26W应急LED条形灯 Normal power: Max 30W, Emergency power: 7W, Used for 1×26W emergency LED linear light fittings AC/DC 100~250V 50/60Hz	只 Piece	<b>CZ1618/58B-LED30W-07</b>
	防爆型式 Type of protection II 2G Ex eb q IIC Gb 正常功率: 最大60W, 应急功率: 10W, 用于2×26W应急LED条形灯 Normal power: Max 60W, Emergency power: 10W, Used for 2×26W emergency LED linear light fittings AC/DC 100~250V 50/60Hz	只 Piece	<b>CZ1618/58B-LED60W-10</b>
 防爆电池模块 Explosion-proof battery module	规格 Specifications: 3.0Ah/7.2V	套 Set	<b>CZ0819/3.0Ah 7.2V</b>
	规格 Specifications: 4.5Ah/7.2V	套 Set	<b>CZ0819/4.5Ah 7.2V</b>
 防爆应急指示灯模块 Explosion-proof emergency indicator module	LED三种颜色: 红、黄、绿 Three colors for LED: red, yellow, green	套 Set	<b>CZ0802/1</b>

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