

# E Industrial light fittings



## M0875 Industrial full plastic T8 LED light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature: -40°C to +55°C  
Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
Lamp tube power: T8 LED 2x8W, 2x18W  
Enclosure material: polycarbonate



## M0875 Industrial full plastic emergency T8 LED light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature: -40°C to +55°C  
Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
Lamp tube power: T8 LED 2x8W, 2x18W  
Emergency power: T8 LED 1x8W, 1x18W  
Recharging time: 24h  
Emergency starting time: 0.1 (S)  
Emergency illuminating time: > 120min  
Enclosure material: polycarbonate



## M1373/3 Industrial LED linear light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature: -40°C to +55°C  
Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
Light source power: 2x26W, 4x26W  
Light distribution: Wide beam, Narrow beam  
With 0-10V dimming  
Enclosure material: 304 / 316L Stainless steel  
Carbon steel (surface white plastic powder coated)



## M1373/3 Industrial LED emergency linear light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature use: -40°C to +55°C  
Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
Light source power: 2x26W, 4x26W  
Recharging time: 24h  
Emergency starting time: 0.1 (S)  
Emergency illuminating time: ≥180min  
Light distribution: Wide beam, Narrow beam  
Enclosure material: 304 / 316L stainless steel  
Carbon steel (surface white plastic powder coated)



## M1371 Industrial LED linear light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature: -40°C to +55°C  
Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
Light source power: 1x26W, 2x26W  
Light distribution: Wide beam, Narrow beam  
With 0-10V dimming  
Enclosure material: 304 / 316L Stainless steel  
Carbon steel (surface white plastic powder coated)



## M1371 Industrial LED emergency linear light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature use: -40°C to +55°C  
Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
Light source power: 1x26W, 2x26W  
Recharging time: 24h  
Emergency starting time: 0.1 (S)  
Emergency illuminating time: ≥180min  
Light distribution: Wide beam, Narrow beam  
Enclosure material: 304 / 316L stainless steel  
Carbon steel (surface white plastic powder coated)



## M1371 Industrial T8 LED light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature: -40°C to +55°C  
Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
Light source power: T8 LED 2x8W, 2x18W  
Enclosure material: 304 / 316L Stainless steel  
Carbon steel (surface white plastic powder coated)



## M1371 Industrial emergency T8 LED light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature use: -40°C to +55°C  
Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
Light source power: T8 LED 2x8W, 2x18W  
Emergency power: T8 LED 1x8W, 1x18W  
Recharging time: 24h  
Emergency starting time: 0.1 (S)  
Emergency illuminating time: > 120min  
Enclosure material: 304 / 316L stainless steel  
Carbon steel (surface white plastic powder coated)



## M6421/12B Industrial LED illumination light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature use: -40°C to +55°C  
-60°C to +55°C  
(-60°C lamp electrical equipment need to be customized)  
Rated voltage: 100 ~ 240V AC 50Hz/60Hz  
Light source power: M6421/12B: 30W, 45W, 60W, 90W, 120W  
M6421/22B: 120W, 160W, 200W, 240W  
Enclosure material: aluminum alloy  
PC (transparent cover)



## M0870/LED Industrial light fittings

Corrosion-proof mark: WF2  
Degree of protection: IP66  
Ambient temperature use: -40°C to +55°C  
-60°C to +55°C  
(-60°C lamp electrical equipment need to be customized)  
Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
Light source power: 90W, 120W, 160W  
Enclosure material: aluminum alloy  
Mounting ways: Pendant pole type lamp, Bracket type lamp, Platform type lamp 90°, Platform type lamp 25°, Wall type lamp, Street lamp



# E Industrial light fittings



## M6421/11B, M6421/21B LED industrial floodlight light fittings

Corrosion-proof mark : WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 -60°C to +55°C (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100 ~ 240V AC 50Hz/60Hz  
 Light source power: M6421/11B: 60W, 75W, 90W, 120W, 2x120W, 3x120W  
 M6421/21B: 120W, 160W, 200W, 240W, 2x240W, 3x240W, 4x240W  
 Light distribution: Wide beam, Narrow beam  
 Enclosure material: aluminum alloy, PC (transparent cover)



M6421/11B



M6421/21B

## M0878/011 Industrial floodlight light fittings LED

Corrosion-proof mark : WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 -60°C to +55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100V~240V AC 50/60Hz  
 Light source power: 60W, 75W, 90W  
 Light distribution: Wide beam, Narrow beam,  
 Street light beam, Standard beam  
 Enclosure material: aluminum alloy



## M0878/□ Industrial floodlight light fittings LED

Corrosion-proof mark : WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 -60°C to +55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100V~240V AC 50/60Hz  
 Light source power: 120W, 160W, 200W  
 Light distribution: Wide beam, Narrow beam,  
 Street light beam  
 Enclosure material: aluminum alloy



## M0878 Industrial floodlight light fittings

Corrosion-proof mark : WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 Rated voltage: 220V AC, 230V AC, 240V AC 50Hz, 60Hz  
 Light source power: Metal halide lamp-J, High pressure sodium vapor lamp-N 250W, 400W  
 Enclosure material: aluminum alloy



## M6421/11F, M6421/21F LED industrial street light fittings

Corrosion-proof mark : WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 -60°C to +55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100 ~ 240V AC 50Hz/60Hz  
 Light source power:  
 M6421/11F: 60W, 75W, 90W, 120W  
 M6421/21F: 120W, 160W, 200W, 240W



M6421/11F

M6421/21F

## MY/PD LED panel lamp (Integrated ceiling)

Corrosion-proof mark : F1  
 Degree of protection: IP40  
 Ambient temperature use: -30°C to +50°C  
 Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
 Light source power: 18W, 24W, 36W, 40W, 48W



## MY/PJ LED panel lamp (Purification lamp)

Corrosion-proof mark : F1  
 Degree of protection: IP40  
 Ambient temperature use: -30°C to +50°C  
 Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
 Light source power: 18W, 24W, 36W, 40W, 48W, 60W, 72W



## MY/PP LED panel lamp (Flat type)

Corrosion-proof mark : F1  
 Degree of protection: IP40  
 Ambient temperature use: -30°C to +50°C  
 Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
 Light source power: 18W, 24W, 36W, 40W, 48W, 60W, 72W



## MY/PW LED panel lamp (IP65 waterproof lamp flat)

Corrosion-proof mark : F1  
 Degree of protection: IP65  
 Ambient temperature use: -30°C to +50°C  
 Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
 Light source power: 18W, 36W, 40W, 48W



# Explosion-proof portable light fittings

(Class I, Class II, Zone 0, Zone 1 and 2, Class III, Zone 21 and Zone 22)



## CZ8221R Explosion-proof Torch (Lithium Battery)

Ⓜ I M2 Ex ib I Mb Ⓜ II 2G Ex ib IIC T4 Gb Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$   
 CCT: 6500K  
 Luminous flux:  $\geq 80$  lm (work mode/constant)  
 $\geq 130$  lm (strong mode)  
 Run time:  $\geq 15$  h (work mode)  
 $\geq 12$  h (strong mode)  
 Charging time: < 6.5h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 3350 mAh



## CZ8221N Explosion-proof Torch (Alkaline Battery)

Ⓜ I M1 Ex ia I Ma Ⓜ II 1G Ex ia IIC T4/T3 Ga Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$  (T3)  
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  (T4)  
 CCT: 6500K  
 Luminous flux:  $\geq 70$  lm  
 Run time:  $\geq 8$  h  
 Charging time: < 6.5h  
 Battery type: 2xLR6AA  
 Rated voltage: 2x1.5V



## CZ8231R Explosion-proof Torch (Lithium Battery)

Ⓜ I M2 Ex ib I Mb Ⓜ II 2G Ex ib IIC T4 Gb Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$   
 CCT: 6500K  
 Luminous flux:  $\geq 110$  lm (work mode/constant)  
 $\geq 220$  lm (strong mode)  
 $\geq 110$  lm (SOS)  
 Run time:  $\geq 14$  h (work mode)  
 $\geq 8$  h (strong mode)  
 Charging time: < 6.5h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 3350 mAh



## CZ8231N Explosion-proof Torch (Alkaline Battery)

Ⓜ I M1 Ex ia I Ma Ⓜ II 1G Ex ia IIB T4/T3 Ga Ⓜ II 2G Ex ib IIC T4/T3 Gb  
 Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$  (T3)  
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  (T4)  
 CCT: 6500K  
 Luminous flux:  $\geq 80$  lm (work mode/constant)  
 $\geq 200$  lm (strong mode)  
 $\geq 80$  lm (SOS)  
 Run time:  $\geq 15$  h (work mode)  
 $\geq 9$  h (strong mode)  
 Battery type: 3xLR6AA  
 Rated voltage: 3x1.5V



## CZ8232R Explosion-proof Torch (Lithium Battery)

Ⓜ I M2 Ex ib I Mb Ⓜ II 2G Ex ib IIC T4 Gb Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$   
 CCT: 6500K  
 Luminous flux:  $\geq 110$  lm (work mode/constant)  
 $\geq 220$  lm (strong mode)  
 $\geq 220$  lm (SOS)  
 Run time:  $\geq 20$  h (work mode)  
 $\geq 10$  h (strong mode)  
 Charging time: < 9h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 6700 mAh



## CZ8232N Explosion-proof Torch (Alkaline Battery)

Ⓜ I M1 Ex ia I Ma Ⓜ II 1G Ex ia IIB T4/T3 Ga Ⓜ II 2G Ex ib IIC T4/T3 Gb  
 Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$  (T3)  
 $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +50^{\circ}\text{C}$  (T4)  
 CCT: 6500K  
 Luminous flux:  $\geq 80$  lm (work mode/constant)  
 $\geq 200$  lm (strong mode)  
 $\geq 200$  lm (SOS)  
 Run time:  $\geq 15$  h (work mode)  
 $\geq 9$  h (strong mode)  
 Battery type: 3xLR6AA  
 Rated voltage: 3x1.5V



## CZ8261R-1 Explosion-proof Headtorch (Lithium Battery)

Ⓜ I M1 Ex ia I Ma Ⓜ II 1G Ex ia IIB T4 Ga Ⓜ II 2G Ex ib IIC T4 Gb  
 Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$   
 CCT: 6500K  
 Luminous flux:  $\geq 100$  lm (work mode/constant)  
 $\geq 220$  lm (strong mode)  
 $\geq 100$  lm (SOS)  
 Run time:  $\geq 13$  h (work mode)  
 $\geq 8$  h (strong mode)  
 Charging time: < 6.5 h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 3350 mAh



## CZ8261R-2 Explosion-proof Headtorch (Lithium Battery)

Ⓜ II 1G Ex ia IIB T4 Ga Ⓜ II 2G Ex ib IIC T4 Gb Ⓜ II 2D Ex ib IIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{amb}} \leq +55^{\circ}\text{C}$   
 CCT: 6500K  
 Luminous flux:  $\geq 100$  lm (work mode/constant)  
 $\geq 220$  lm (strong mode)  
 $\geq 100$  lm (SOS)  
 Run time:  $\geq 18$  h (work mode)  
 $\geq 10$  h (strong mode)  
 Charging time: < 14 h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 6700 mAh



# Explosion-proof portable light fittings

(Class I, Class II, Zone 0, Zone 1 and 2, Class III, Zone 21 and Zone 22)



## CZ8251R Explosion-proof hand lamp (Lithium Battery)

Ⓜ II 2GD Ex ib IIC T4 Gb Ex ib IIIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature: -20°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥200 lm (work mode/constant)  
                   ≥400 lm (strong mode)  
                   ≥200 lm (SOS)  
 Run time: ≥12h (work mode)  
               ≥8h (strong mode)  
 Charging time: < 12h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 7.2V / 6700 mAh



## CZ8252R Explosion-proof hand lamp (Lithium Battery)

Ⓜ II 2GD Ex ib IIC T4 Gb Ex ib IIIB T130°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥180 lm (work mode/constant)  
                   ≥320 lm (strong mode)  
                   ≥180 lm (SOS)  
 Run time: ≥20h (work mode)  
               ≥15h (strong mode)  
 Charging time: < 14h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 10050 mAh



# Industrial portable light fittings

## M8221R Industrial hand torch (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥80 lm (work mode/constant)  
                   ≥150 lm (strong mode)  
 Run time: ≥15h (work mode)  
               ≥10h (strong mode)  
 Charging time: < 6.5h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 3350 mAh



## M8221N Industrial hand torch (Alkaline battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥70 lm  
 Run time: ≥8h  
 Battery type: 2xLR6AA  
 Rated voltage: 2x1.5V



## M8231R Industrial hand torch (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥120 lm (work mode/constant)  
                   ≥280 lm (strong mode)  
                   ≥120 lm (SOS)  
 Run time: ≥12h (work mode) ≥8h (strong mode)  
 Charging time: < 6.5h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 3350 mAh



## M8231N Industrial hand torch (Alkaline battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥100 lm (work mode/constant)  
                   ≥250 lm (strong mode)  
                   ≥100 lm (SOS)  
 Run time: ≥12h (work mode)  
               ≥8h (strong mode)  
 Battery type: 3xLR6AA  
 Rated voltage: 3x1.5V



## M8232R Industrial hand torch (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥140 lm (work mode/constant)  
                   ≥300 lm (strong mode)  
                   ≥300 lm (SOS)  
 Run time: ≥20h (work mode)  
               ≥15h (strong mode)  
 Charging time: < 9h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 6700 mAh



## M8232N Industrial hand torch (Alkaline battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥100 lm (work mode/constant)  
                   ≥250 lm (strong mode)  
                   ≥250 lm (SOS)  
 Run time: ≥12h (work mode)  
               ≥8h (strong mode)  
 Battery type: 3xLR6AA  
 Rated voltage: 3x1.5V



### M8261R-1 Industrial headtorch (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥140 lm (work mode/constant)  
                   ≥300 lm (strong mode)  
                   ≥140 lm (SOS)  
 Run time: ≥13h (work mode)  
               ≥8h (strong mode)  
 Charging time: < 6.5h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 3350 mAh



### M8261R-2 Industrial headtorch (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥140 lm (work mode/constant)  
                   ≥300 lm (strong mode)  
                   ≥140 lm (SOS)  
 Run time: ≥18h (work mode)  
               ≥10h (strong mode)  
 Charging time: < 14h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 6700 mAh



### M8251R Industrial hand lamp (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥300 lm (work mode/constant)  
                   ≥600 lm (strong mode)  
                   ≥300 lm (SOS)  
 Run time: ≥18h (work mode)  
               ≥10h (strong mode)  
 Charging time: < 11h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 7.2V / 6700 mAh



### M8252R Industrial hand lamp (Lithium battery)

Corrosion-proof grade: WF2  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 CCT: 6500K  
 Luminous flux: ≥230 lm (work mode/constant)  
                   ≥500 lm (strong mode)  
                   ≥230 lm (SOS)  
 Run time: ≥20h (work mode)  
               ≥10h (strong mode)  
 Charging time: < 12h  
 Battery type: 18650 Rechargeable lithium batteries  
 Battery capacity: 3.6V / 10050 mAh



## Charging base, track rail, stand for portable lights

### Type A charging base

- Charging base  
 Input voltage/current:  
 DC 5.0V / 2000mA



- Adapter  
 Input voltage/current:  
 AC 100 - 250V / 500mA



### Type B charging base

- USB cable  
 Input voltage/current: DC 5.0V / 2000mA
- Charging base  
 Input voltage/current: DC 5.0V / 3000mA
- Adapter  
 Input voltage/current: AC 100 - 250V / 3000mA



- USB cable  
 Input voltage/current: DC 5.0V / 2000mA
- Charging base  
 Input voltage/current: DC 5.0V / 2000mA
- Adapter  
 Input voltage/current: AC 100 - 250V / 500mA



### Integrated charging track rail

For indoor hazardous areas  
 Ambient temperature: -20°C to +55°C  
 Rated voltage/current: AC 100 - 250V / 2000mA

Load: Max 100W  
 Type of mounting: Panel, Wall type

Type A (panel mounting)



Type B (panel mounting)



Type A (wall mounting)



Type B (wall mounting)



### Integrated charging stand

For indoor safe areas  
 Ambient temperature: -20°C to +55°C  
 Rated voltage/current: AC 100 - 250V / 2000mA

Load: Max 3×100W (single row)  
 Max 6×100W (dual row)  
 Type of mounting: fixed type

Type A (single row)

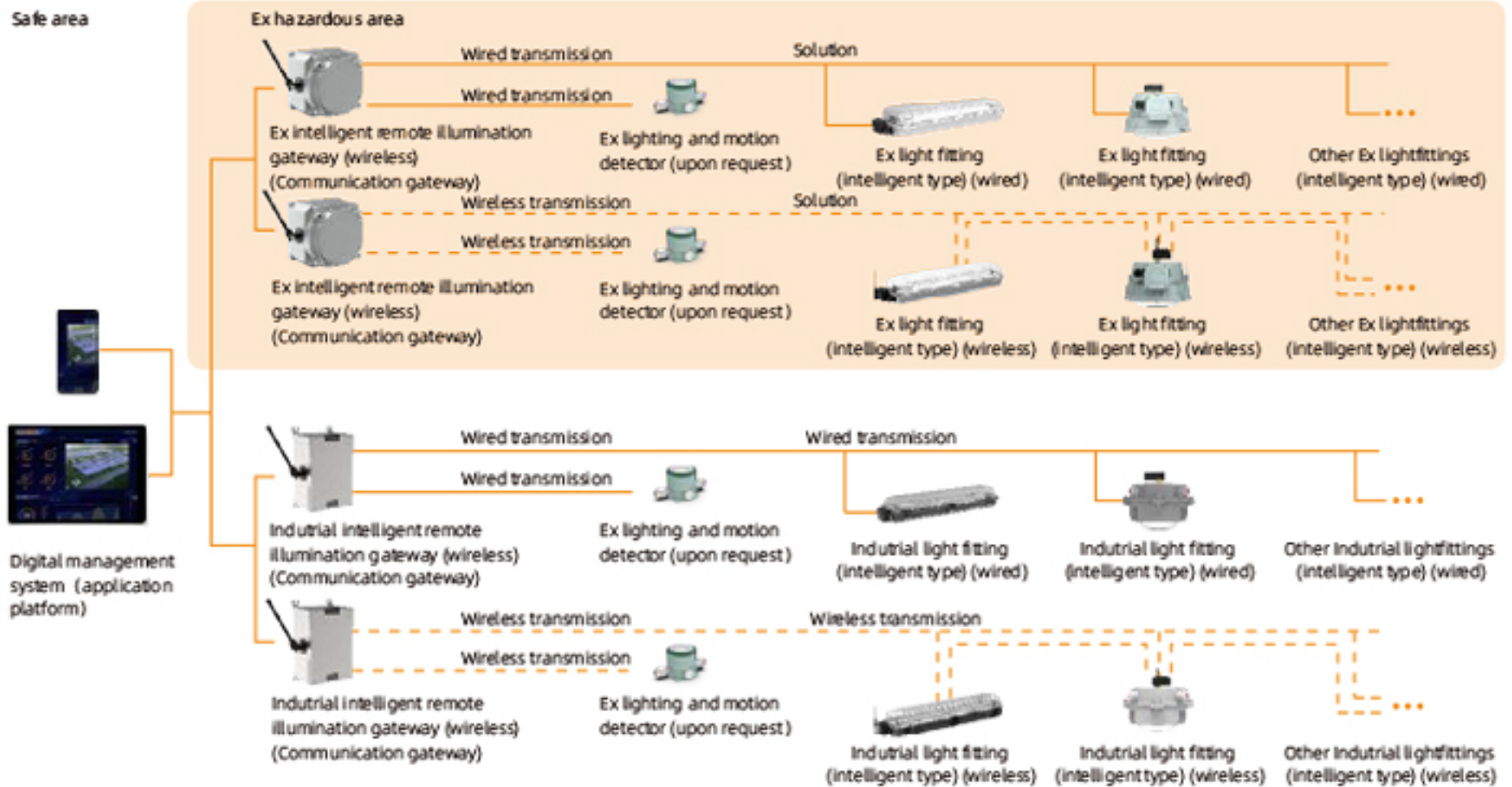


Type B (dual row)

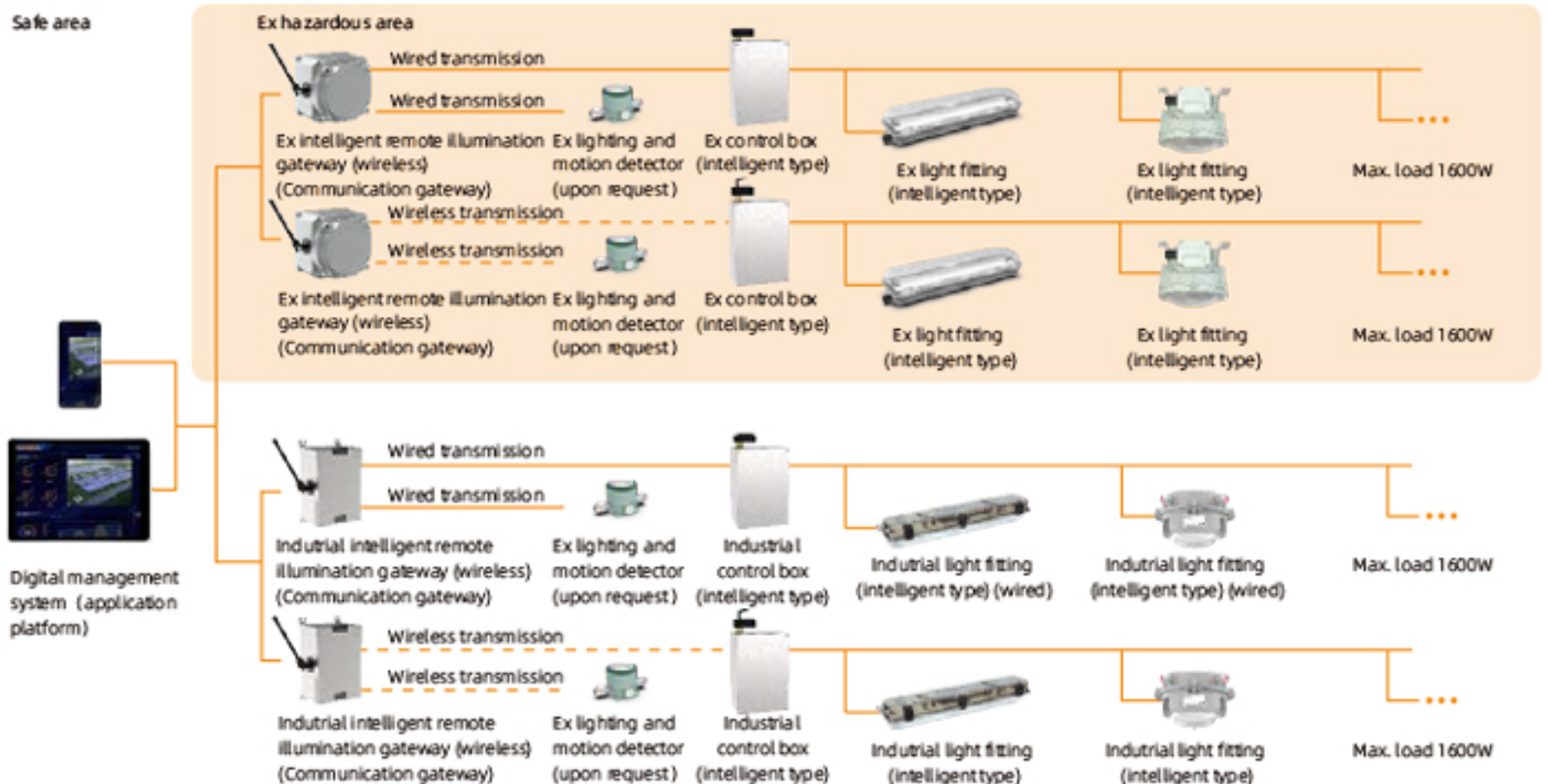


# Intelligent lighting system

## Single light control (module control)



## Loop control (group control)



Note: Single light controller, illumination and motion detector are the end hardware s.

# Explosion-proof Intelligent Control Box



## Explosion-proof Smart IOT Lighting Gateway

II 2GD Ex db IIC T4 Gb Ex tb IIC T130°C Db  
 Degree of protection: IP66  
 Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
 Rated voltage: AC 220V 50Hz  
 Transmission: wired + wireless  
 Communication method:  
 Uplink communication: network cable, 4G, WIFI, RS232,  
 CAN (shielded twisted pair)  
 Downstream communication: CAN (shielded twisted pair), wireless  
 Independent load: intelligent single light controller,  
 illumination and motion detector;  
 single gateway load  $\leq$  110 units



## Explosion-proof illumination and motion detectors

II 2GD Ex db IIC T6 Gb Ex tb IIC T80°C Db  
 Ambient temperature:  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Corrosion-proof mark: WF2  
 Rated voltage: AC 220V 50Hz  
 Communication method: CAN (shielded twisted pair), wireless  
 Detection range: Height: 5~7m, Radius: 4~5m  
 Speed range:  $\leq$  20m/s  
 Illumination range: 0~20000lx  
 Single-point communication: 500m ~ 1000m  
 Enclosure material: Aluminum alloy



## Explosion-proof intelligent control box

II 2GD Ex db mb IIC T4 Gb Ex tb IIC T130°C Db  
 Ambient temperature:  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Corrosion-proof mark: WF2  
 Rated voltage: AC 220V 50Hz  
 Communication method: CAN, wireless  
 Output voltage: AC 220V  
 Output power: 1600W  
 Dimming distance:  $\leq$  1000m  
 Dimming lamps and lanterns:  $\leq$  20pcs (only dimming)  
 Dimming mode: 0~10V: 2-way, independent;  
 PWM: 2-way, independent

Temperature measurement range:  $-20^{\circ}\text{C}$  ~  $+200^{\circ}\text{C}$   
 Single-point communication: 500m ~ 1000m  
 Enclosure material: 304 / 316L Stainless steel



## Explosion-proof intelligent single light controller

II 2GD Ex db mb IIC T6 Gb Ex tb IIC T80°C Db (国际标准)  
 Ambient temperature:  $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Corrosion-proof mark: WF2  
 Rated voltage: AC 220V 50Hz  
 Communication method: CAN, wireless  
 Output voltage: AC 220V  
 Output power: 1600W  
 Dimming distance:  $\leq$  1000m  
 Temperature measurement range:  $-20^{\circ}\text{C}$  ~  $+200^{\circ}\text{C}$   
 Single-point communication: 500m ~ 1000m



# IIB, IIC Explosion-proof intelligent light fixtures (Zone 1 and zone 2, zone 21 and zone 22)



## Intelligent LED explosion-proof light fixture system

Ex db eb IIC Gb Ex tb IIC T80°C Db (China standard)  
 Degree of protection: IP66  
 Ambient temperature:  $-20^{\circ}\text{C}$  /  $-40^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  /  $+55^{\circ}\text{C}$   
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
 Power: 30W, 45W, 60W, 75W



**Light control**  
 • Radar Sensing Range: 10m,  $V=0.5\sim 3\text{m/s}$   
 • Static: 0%, 10%, 20%, 30%, 50% (adjustable)  
 • Dynamic: 100%



**Long-lasting and energy-saving**  
 • Latest LED Technology  
 • Energy saving (82% compared to incandescent lamps)  
 • Long life (50,000 hours)  
 • Maintenance free (5 years)  
 • High efficiency (115lm/W)



CZ6474/235  
 CZ6474/245  
 LED Explosion-proof light fittings

**Wireless gateway**  
 • WIFI or GPRS

**Photosensitivity**  
 • ON  $<$  10 Lux  
 • OFF  $\geq$  40 Lux

**Smart Reservation**  
 • Customize the time by week or month. Timed on or off

**Regional control**  
 • Enables regionalized control

## CZ1865 Full plastic explosion-proof intelligent LED linear light CZ1866 fittings

II 2GD Ex db eb mb q IIC T5/T4 Gb Ex tb IIC T80°C Db  
 Degree of protection: IP66 (IP64 with breather CZ0527)  
 Ambient temperature:  $-40^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  (T5)  
 $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$  (T4)  
 Rated voltage: AC 100 ~ 250V 50/60Hz, DC 100~250V  
 Power options: 1x26W, 2x26W  
 Light distribution: Wide beam, Narrow beam  
 With lighting dimming 0 ~ 10V  
 Enclosure material:  
 Glass fiber reinforced polyester  
 PC (transparent cover)  
 Mounting method: pendant type, chain type, clamp type, ceiling type, adjustable mounting bracket type, wall type, fence type, flange type



## CZ1865 Full plastic explosion-proof intelligent emergency LED CZ1866 linear light fittings

II 2GD Ex db eb mb q IIC T5/T4 Gb Ex tb IIC T80°C Db  
 Degree of protection: IP66 (IP64 breather CZ0527)  
 Ambient temperature:  $-40^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$  (T5)  
 $-40^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$  (T4)  
 Rated voltage: AC 100 ~ 250V 50/60Hz, DC 100~250V  
 Power options: 1x26W, 2x26W  
 Recharging time: 24 h  
 Emergency starting time: 0.1 s  
 Emergency illuminating time:  $>$  180 min  
 Light distribution: Wide beam  
 Narrow beam  
 Enclosure material: Glass fiber reinforced polyester  
 PC (transparent cover)  
 Mounting method: pendant type, chain type, clamp type, ceiling type, adjustable mounting bracket type, wall type, fence type, flange type



# Explosion-proof intelligent light fixtures

(zone 1 and zone 2, zone 21 and zone 22)



## CZ0264/30 Full plastic explosion-proof intelligent LED linear light fittings

Ⓢ II 2GD Ex db eb mb q II C T6/T5 Gb Ex tb III C T80°C Db  
 Ambient temperature: -40°C to +40°C (T6)  
 -40°C to +50°C (T5)  
 Degree of protection: IP66  
 Rated voltage: 100~250V AC 50Hz/60Hz, 100~250V DC  
 Power: 16W  
 Enclosure material: Glass fiber reinforced polyester  
 PC (transparent cover)



## CZ6474/235 CZ6474/245 Explosion-proof intelligent LED light fittings

Ⓢ II 2GD Ex db IIC/IIB+H<sub>2</sub> T6/T5 Gb Ex tb III C T80°C/T95°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C (IIC)  
 -60°C to +40°C/+55°C (IIB+H<sub>2</sub>)  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100~240V AC 50/60Hz, 127~250V DC  
 Power options: CZ6474/235: 30W, 45W, 60W  
 CZ6474/245: 75W, 90W  
 Enclosure material: Aluminum alloy  
 Mounting method: bracket type, wall type



## CZ0878/211B Explosion-proof intelligent LED floodlight light fittings

Ⓢ II 2GD Ex db eb IIB+H<sub>2</sub> T6/T5 Gb Ex tb III C T70°C/T80°C/T85°C/T95°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 -55°C to +40°C/+55°C  
 (-55°C lamp electrical equipment need to be customized)  
 Rated voltage: 100V~240V AC 50/60Hz  
 Power options: 60W, 75W, 90W  
 Light distribution: Wide beam, Narrow beam  
 Street light, Standard beam  
 Enclosure material: aluminum alloy



## CZ0878/221B Explosion-proof intelligent LED floodlight light fittings

Ⓢ II 2GD Ex db eb IIB T5/T4 Gb Ex tb III C T85°C/T100°C Db  
 Degree of protection: IP66  
 Ambient temperature: -20°C to +40°C/+55°C  
 Rated voltage: 100V~240V AC 50Hz/60Hz  
 Power options: 120W, 160W, 200W  
 Light distribution: Wide beam,  
 Narrow beam,  
 Street light  
 Enclosure material: aluminum alloy



# Explosion-proof intelligent light fixtures

(zone 2, zone 21 and zone 22)



## CZ1875, CZ1876 Full plastic explosion-proof intelligent LED linear light fittings

Ⓢ II 3GD Ex db ec mb II C T5/T4 Gc Ex tb III C T80°C Db (with limit switch and fuse)  
 Ambient temperature: -40°C to +40°C (T5)  
 -40°C to +55°C (T4)  
 Degree of protection: IP66  
 Rated voltage: 100~250V AC 50Hz/60Hz, 100~250V DC  
 Power options: 1x26W, 2x26W  
 Light distribution: Wide beam, Narrow beam  
 With lighting dimming 0~10V

Enclosure material: Glass fiber reinforced polyester  
 PC (transparent cover)  
 Mounting method: pendant type, chain type, clamp type,  
 ceiling type, adjustable mounting bracket type, wall type,  
 fence type, flange type



## CZ1875, CZ1876 Full plastic explosion-proof intelligent emergency LED linear light fittings

Ⓢ II 3GD Ex db ec mb II C T5/T4 Gc Ex tb III C T80°C Db (with fuse)  
 Ambient temperature: -40°C to +40°C/+55°C  
 Degree of protection: IP66  
 Rated voltage: 100~250V AC 50Hz/60Hz, 100~250V DC  
 Power options: 1x26W, 2x26W  
 Recharging time: 24 h  
 Emergency starting time: 0.1 s  
 Emergency illuminating time: >180 min  
 Light distribution: Wide beam, Narrow beam

Enclosure material: Glass fiber reinforced polyester  
 PC (transparent cover)  
 Mounting method: pendant type, chain type, clamp type,  
 ceiling type, adjustable mounting bracket type, wall type,  
 fence type, flange type



## CZ0879/5, 6 Explosion-proof intelligent LED light fittings

Ⓢ II 3GD Ex nR IIC T6 Gc Ex tb III C T80°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 -60°C to +40°C/+55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100~250V AC 50Hz/60Hz  
 Power options: CZ0879/5: 30W, 45W, 60W, 75W, 90W  
 CZ0879/6: 90W, 120W




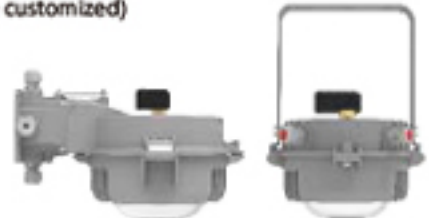


Enclosure material: Aluminum alloy  
 Mounting method: bracket type, wall type



# Industrial Intelligent Controller

Industrial Smart IOT Lighting Gateway	Industrial intelligent control box	Industrial intelligent single light controller
<p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -55°C to +55°C            Rated voltage: AC 220V 50Hz            Communication mode: Uplink communication: network cable, 4G, WIFI, RS232, CAN (shielded twisted pair)            Downstream communication: CAN (shielded twisted pair), wireless            Independent Load:            Intelligent single light controller, illumination and motion detectors;            Single gateway load ≤ 110 units            Single-point communication: 500~1000m            Cascade number: 6 levels            Earth Stud: M8            Enclosure material: stainless steel</p> 	<p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            Rated voltage: AC 220V 50Hz            Communication mode: CAN, wireless            Output voltage: AC220V            Output power: 1600W            Dimming distance: ≤1000m            Dimming lamps and lanterns: ≤ 20 (only dimming)            Dimming mode:            0~10V: 2-way, independent;            PWM: 2-way, independent            Temperature measurement range: -20°C ~ +200°C            Single-point communication: 500m ~ 1000m</p> 	<p>Degree of protection: IP66            Corrosion-Proof mark: WF2            Ambient temperature: -40°C to +55°C            Rated voltage: AC 220V 50Hz            Communication mode: CAN, wireless            Output voltage: AC220V            Output power: 1600W            Dimming distance: ≤1000m            Temperature measurement range: -20°C ~ +200°C            Single-point communication: 500m ~ 1000m</p> 

# Industrial intelligent light fixtures

<p><b>M0875, M0876 Industrial full plastic intelligent LED linear light fittings</b></p> <p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            Rated Voltage: 100 ~ 250V AC 50Hz/60Hz            100 ~ 250V DC            Power options: 1×26W, 2×26W            Light distribution: Wide beam, Narrow beam            With lighting dimming 0 ~ 10V            Enclosure material: polycarbonate</p> 	<p><b>M0875, M0876 Industrial full plastic intelligent emergency LED linear light fittings</b></p> <p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            Rated Voltage: 100 ~ 250V AC 50Hz/60Hz            100 ~ 250V DC            Power options: 1×26W, 2×26W            Recharging time: 24h            Emergency starting time: 0.1 (S)            Emergency illuminating time: ≥180min            Light distribution: Wide beam, Narrow beam            Enclosure material: polycarbonate</p> 
<p><b>M0274/30 Industrial intelligent LED linear light fittings</b></p> <p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            Rated Voltage: 100 ~ 250V AC 50Hz/60Hz            Power: 16W            Enclosure material: Glass fiber reinforced polyester PC (transparent cover)</p> 	<p><b>M0879/5, 6 Industrial intelligent LED light fittings</b></p> <p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            -60°C to +55°C            (-60°C lamp electrical equipment need to be customized)            Rated voltage: 100 ~ 250V AC 50Hz/60Hz            Power options:            M0879/5: 30W, 45W, 60W, 75W, 90W            M0879/6: 90W, 120W            Enclosure material: aluminum alloy            Mounting method: bracket type, wall type</p> 
<p><b>M0878/011 Industrial intelligent LED light fittings</b></p> <p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            -60°C to +55°C            (-60°C lamp electrical equipment need to be customized)            Rated voltage: 100V~240V AC 50/60Hz            Power option: 60W, 75W, 90W            Light distribution: Wide beam, Narrow beam, Street light, Standard beam            Enclosure material: Aluminum alloy</p> 	<p><b>M0878/B Industrial intelligent LED light fittings</b></p> <p>Corrosion-Proof mark: WF2            Degree of protection: IP66            Ambient temperature: -40°C to +55°C            -60°C to +55°C            (-60°C lamp electrical equipment need to be customized)            Rated voltage: 100V~240V AC 50/60Hz            Power options: 120W, 160W, 200W            Light distribution: Wide beam, Narrow beam, Street light            Enclosure material: Aluminum alloy</p> 

# Catalogue

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# A Series Explosion-proof electrical appliances



## Explosion-proof push button, switch

Ⓜ II 2G Ex db eb IIC Gb

Zone 1 and zone 2

Ambient temperature:  $-55^{\circ}\text{C}/-40^{\circ}\text{C}\leq T_{\text{as}}+60^{\circ}\text{C}$  ( $-55^{\circ}\text{C}$  for Optional)

Operating temperature:  $-55^{\circ}\text{C}/-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$

Rated voltage: 400V 400V 110V 400V 400V

Utilization category: AC-12 AC-15 DC-13 AC-3 AC-23

Rated current: 16A 10A 1A 16A 16A

Mechanical life: 1 million times



Ⓜ II 2GD Ex eb IIC Gb Ex tb IIC Db

Operating head Zone 1 and zone 2, zone 21 and zone 22 IP66

Ambient temperature and Operating temperature:  $-55^{\circ}\text{C}/+65^{\circ}\text{C}$

P1	P2	P3	P4	P6	P7	VE6	Y5□	Y6□	Y2□	K□	H□
Rubber sheath button	Rubber sheath double push button	Emergency selflocking button	Black mushroom head button	Emergency stop rotation-releasing operation head	Emergency stop rotation-releasing operation head	Toggle switch operation head	Operation head of key switch	Operation head of key switch	Emergency stop key releasing operation head	Operation head of switch (Small handle)	Operation head of switch (Big handle)

## CZ0202 Explosion-proof signal lamp

Ⓜ II 2G Ex db eb IIC Gb

Ⓜ II 1G Ex ia IIC Ga

Zone 0 (Ex ia), Zone 1 and zone 2

Ambient temperature:  $-55^{\circ}\text{C}/-40^{\circ}\text{C}\leq T_{\text{as}}+60^{\circ}\text{C}$  ( $-55^{\circ}\text{C}$  Optional)

Operating temperature:  $-55^{\circ}\text{C}/-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$  ( $-55^{\circ}\text{C}$  Optional)

Degree of protection: IP20

Rated voltage: 10V-28V AC/DC 20V-250V AC/DC  
50V-277V AC/DC 380V-400V AC



## CZ0212 Explosion-proof signal lamp with button (Panel mounting)

Ⓜ II 2GD Ex d e IIC T6 Gb Ex tb IIC T80°C Db

Zone 1 and zone 2, zone 21 and zone 22

Ambient temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+50^{\circ}\text{C}$

Degree of protection: IP66 (Match operating head)

Button rated voltage/Rated current: AC 250V/10A  
DC 24V/1A

Signal lamp Rated voltage: 12-28V AC/DC  
20-250V AC/DC



## CZ0203 Explosion-proof potentiometer

Ⓜ II 2G Ex db eb IIC Gb

Zone 1 and zone 2

Ambient temperature:  $-55^{\circ}\text{C}/-40^{\circ}\text{C}\leq T_{\text{as}}+60^{\circ}\text{C}$  ( $-55^{\circ}\text{C}$  Optional)

Operating temperature:  $-55^{\circ}\text{C}/-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$  ( $-55^{\circ}\text{C}$  Optional)

Degree of protection: IP20

Rated voltage: Max 200V DC

Rated Power: Max 0.1W

Norminal resistance: 100Ω ~ 2MΩ



## CZ0203 Explosion-proof potentiometer (Panel mounting)

Ⓜ II 2G Ex d e IIC T6 Gb Ex tb IIC T80°C Db

Zone 1 and zone 2, zone 21 and zone 22

Ambient temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+50^{\circ}\text{C}$

Degree of protection: IP66 (Match operating head)

Rated voltage: Max 200V DC

Rated Power: Max 0.1W

Scale: 0 ~ 100%

Norminal resistance: 100Ω ~ 2MΩ



## CZ0205 Explosion-proof ammeter(milammeter), Voltmeter module

Ⓜ II 2G Ex eb IIC Gb (Ammeter)

Ⓜ II 2G Ex eb mb IIC Gb (Voltmeter, Ammeter)

Zone 1 and zone 2

Ambient temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+95^{\circ}\text{C}$

Ammeter framework: Electromagnetic

Accuracy: 1.5

Overload scale: 2 times, 5 times



## CZ0240/9 Explosion-proof ammeter/Voltmeter (Panel mounting)

Ⓜ II 2GD Ex eb mb IIC T6/T5 Gb Ex tb IIC T80°C/T95°C Db

Zone 1 and zone 2, zone 21 and zone 22

Ambient temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+55^{\circ}\text{C}$

Degree of protection: IP66

Ammeter framework: Electromagnetic

Accuracy: 1.5

Overload scale: 2 times, 5 times



## CZ1208/2-□ Board back type explosion-proof (flash) buzzer component

Ⓜ II 2G D Ex eb ib mb IIC Gb Ex tb IIC Db

Zone 1 and zone 2, zone 21 and zone 22

Ambient temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+50^{\circ}\text{C}$

Operating temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+90^{\circ}\text{C}$

Degree of protection: IP66

Rated voltage: AC/DC 10 ~ 28V, AC/DC 20 ~ 250V

Rated frequency: 50/60Hz

Sound pressure level: 60dB (at 30cm)



## CZ1208/2-□9□ Explosion-proof (flash) buzzer for panel mounting

Ⓜ II 2GD Ex eb ib mb IIC Gb Ex tb IIC T130°C Db

Zone 1 and zone 2, zone 21 and zone 22

Ambient temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+45^{\circ}\text{C}$

Operating temperature:  $-40^{\circ}\text{C}\leq T_{\text{as}}+90^{\circ}\text{C}$

Degree of protection: IP66

Rated voltage: AC/DC 10 ~ 28V, AC/DC 20 ~ 250V

Rated frequency: 50/60Hz

Sound pressure level: 60dB (at 30cm)



# A Series Explosion-proof electrical appliances



## CZ0240 Full plastic Explosion-proof controller

Ⓜ II 2GD Ex db eb I a mb IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C} / +55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 500V  
 Rated current: up to 16A  
 Component terminal:  $2.5\text{mm}^2$   
 PE terminal:  $4\text{mm}^2$   
 Material of enclosure: Alloy plastic of static resistance



## CZ1242 Full plastic Explosion-proof control box

Ⓜ II 2 G Ex db eb I a / I b mb op I s q IIC / IIB / IIB+H<sub>2</sub> T6/T5/T4 Gb  
 Ⓜ II 2 D Ex tb op I s IIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C} / +55^{\circ}\text{C}$   
 $-55^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C} / +55^{\circ}\text{C}$  (Optional)  
 Degree of protection: IP66  
 Rated voltage: up to 690V  
 Rated current: up to 180A  
 Component terminal:  $2 \times 2.5\text{mm}^2$   
 PE terminal:  $4\text{mm}^2$   
 Material of enclosure: GRP (anti-static glass fibre reinforced polyester SMC)



## CZ1342 Explosion-proof control box

Ⓜ II 2 D Ex db eb I a / I b mb op I s q IIC / IIB / IIB+H<sub>2</sub> T6/T5/T4 Gb  
 Ⓜ II 2 D Ex tb op I s IIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-40^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C} / +55^{\circ}\text{C}$ ,  $-55^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C} / +55^{\circ}\text{C}$  (Optional)  
 Degree of protection: IP66  
 Rated voltage: up to 690V  
 Rated current: up to 180A  
 Component terminal:  $2 \times 2.5\text{mm}^2$   
 PE terminal:  $4\text{mm}^2$   
 Material of enclosure: S5304 (On the surface of wire drawing processing)  
 S5316L (On the surface of wire drawing processing) } Optional  
 Carbon steel (Surface spraying plastic powder)  
 Material Thickness: Standard 1.5mm (2mm customized)



## CZ1246 Full plastic explosion-proof position switches

Ⓜ II 2GD Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db (  $I \leq 6\text{A}$ ,  $T_{\text{as}} \leq +50^{\circ}\text{C}$  )  
 Ⓜ II 2GD Ex db eb IIC T5 Gb Ex tb IIIC T95°C Db (  $6\text{A} < I \leq 10\text{A}$ ,  $T_{\text{as}} \leq +40^{\circ}\text{C}$  )  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-20^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C}$  ( $6\text{A} < I \leq 10\text{A}$ )  
 $-20^{\circ}\text{C} \leq T_{\text{as}} \leq +50^{\circ}\text{C}$  ( $I \leq 6\text{A}$ )  
 Degree of protection: IP66  
 Rated voltage: Max 320V AC, 250V DC  
 Rated current: Max 10A  
 Rated frequency: 50/60Hz  
 Material of enclosure: Alloy plastic of static resistance  
 Component terminal:  $4 \times 0.5 \sim 1.5\text{mm}^2$



## CZ1346 Metal explosion-proof position switches

Ⓜ II 2GD Ex db eb IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-20^{\circ}\text{C} \leq T_{\text{as}} \leq +40^{\circ}\text{C} / +55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: Max 320V AC, 250V DC  
 Rated current: Max 10A  
 Rated frequency: 50/60Hz  
 Material of enclosure: 304, 316L stainless steel  
 Component terminal:  $4 \times 0.5 \sim 1.5\text{mm}^2$



# B Series Explosion-proof electrical appliances



## CZ0520 Explosion-proof junction box

Ⓜ II 1G Ex Ia IIC T6/T5 Ga Ⓜ II 2G Ex Ib IIC T6/T5 Ga Ⓜ II 2G Ex eb IIC T6/T5 Gb  
 Ⓜ II 2D Ex tb IIIC T80°C/T95°C Db  
 Zone 0, zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -55°C/-40°C/-20°C≤Tas+40°C/+55°C  
 ( For low temperature, it is subject to the ambient temperature of cable gland to be used. )  
 Degree of protection: IP66  
 Rated voltage: Max AC 690V  
 Type of terminal: Pillar type terminal ( 0.5 ~ 6mm<sup>2</sup> )  
 max 6mm<sup>2</sup>/32A  
 Cage type terminal, Miniature terminal,  
 Common terminal ( 1.5mm<sup>2</sup> ~ 6mm<sup>2</sup> )  
 Earthing terminal: 2x4mm<sup>2</sup>  
 Material of enclosure: GRP (anti-static glass fibre reinforced polyester SMC)



## CZ0521 □/□, CZ0522 □/□ Explosion-proof junction box

Ⓜ II 1G Ex Ia IIC T6/T5 Ga Ⓜ II 2G Ex Ib IIC T6/T5 Ga Ⓜ II 2G Ex eb IIC T6/T5 Gb  
 Ⓜ II 2D Ex tb IIIC T80°C/T95°C Db  
 Zone 0, zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -20°C≤Tas+40°C/+55°C  
 Degree of protection: IP66  
 Rated voltage: Max AC 690V  
 Type of terminal: Pillar type terminal ( 0.5 ~ 6mm<sup>2</sup> )  
 max 6mm<sup>2</sup>/32A  
 Cage type terminal, Miniature terminal,  
 Common terminal ( 1.5mm<sup>2</sup> ~ 6mm<sup>2</sup> )  
 Earthing terminal: 2x4mm<sup>2</sup>  
 Material of enclosure: Alloy plastic of static resistance



## CZ1120 Explosion-proof junction box

Ⓜ II 2GD Ex eb IIC T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T130°C Db  
 Ⓜ II 1G Ex Ia IIC T6/T5/T4 Ga  
 Zone 0, zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -55°C≤Tas+40°C/+55°C  
 Degree of protection: IP66  
 Rated voltage: AC 690V  
 Type of terminal: Pillar type terminal ( 0.5 ~ 6mm<sup>2</sup> )  
 max 6mm<sup>2</sup>/32A  
 Cage type terminal, Miniature terminal,  
 Common terminal ( 1.5mm<sup>2</sup> ~ 6mm<sup>2</sup> )  
 Earthing terminal: 2x4mm<sup>2</sup>  
 Material: aluminum alloy enclosure, powder coated



## CZ1120 Explosion-proof terminal box

Ⓜ II 2GD Ex eb IIC T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T130°C Db  
 Ⓜ II 1G Ex Ia IIC T6/T5/T4 Ga  
 Zone 0, zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -55°C≤Tas+40°C/+55°C  
 Degree of protection: IP66  
 Rated voltage: Max AC 690V  
 Rated current: Max 225A  
 Material: aluminum alloy enclosure,  
 powder coated



## CZ1220 Full plastic explosion-proof terminal boxes

Ⓜ II 2G Ex db eb Ia/Ib mb op is q IIC/IIIB/IIIB+H<sub>2</sub> T6/T5/T4 Gb  
 Ⓜ II 2D Ex tb op is IIIC T80°C/T95°C/T130°C Db  
 Zone 0, zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -40°C≤Tas+40°C/+55°C  
 -55°C≤Tas+40°C/+55°C  
 Degree of protection: IP66 / IP65  
 Rated voltage: Max 1100V  
 Rated current: Max 630A  
 Material of enclosure: GRP (anti-static glass fibre reinforced polyester SMC)



## CZ1320 Explosion-proof terminal box

Ⓜ II 2G Ex db eb Ia/Ib mb op is q IIC/IIIB/IIIB+H<sub>2</sub> T6/T5/T4 Gb  
 Ⓜ II 2D Ex tb op is IIIC T80°C/T95°C/T130°C Db  
 Zone 0, zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -40°C≤Tas+40°C/+55°C  
 -55°C≤Tas+40°C/+55°C  
 Degree of protection: IP66 / IP65  
 Rated voltage: Max 1100V  
 Rated current: Max 630A  
 Material: S5304 ( surface brushed polishing )  
 S5316L ( surface brushed polishing )



## CZ1520 Explosion-proof terminal box

Ⓜ II 2GD Ex db IIC T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -55°C≤Tas+60°C  
 Degree of protection: IP66  
 Rated voltage: Max 690V  
 Rated current: Max 216A  
 Earthing terminal: Max 95mm<sup>2</sup>  
 Type of terminal: miniature terminal  
 common terminal  
 Material: aluminum alloy enclosure, powder coated



## CZ0220/12, CZ0220/13 Plastic cable glands, stopping plugs

Ⓜ II 2GD Ex eb IIC Gb Ex tb IIIC Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -55°C/-40°C≤Tas+60°C ( -55°C Optional )  
 Operating temperature: -55°C to +75°C  
 Degree of protection: IP66  
 Material: polyamide



## CZ0221, CZ0226, CZ0227 Metal cable glands

Ⓜ II 2GD Ex eb IIC Gb Ex tb IIIC Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -40°C/-60°C≤Tas+100°C  
 Degree of protection: IP66  
 Material: Brass / Nickel plated brass  
 304/316L Stainless steel



## CZ1725/1A, 2A, 1B, 1C Metal cable glands

Ⓜ II 2GD Ex db IIC Gb / Ex eb IIC Gb / Ex tb IIIC Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -60°C to +100°C  
 Degree of protection: IP66  
 Material:  
 Brass / Nickel plated brass  
 304/316L Stainless steel



# C Series Explosion-proof electrical appliances



## CZ0550 Explosion-proof mobile cable wheel (with circuit breaker, with transformer)

Ex db eb IIC T6/T5 Gb Ex tb IIC T80°C/T95°C Db  
 Ex db eb IIC T4 Gb Ex tb IIC T130°C Db (with transformer)  
 (CCC China standard)  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature: -20°C≤Tas+40°C/+55°C (IIC)  
 -40°C≤Tas+40°C/+55°C (IIB)

Degree of protection: IP66  
 Rated current: 16A, 32A  
 Rated voltage: AC 20 ~ 690V 50/60Hz  
 Cable wheel diameter: Φ380mm, Φ460mm  
 Two options explosion-proof mobile cable wheel  
 (with circuit breaker, with transformer)



## Explosion-proof distribution boxes and built-in EX-proof electric apparatus modules Ex db eb IIC/IIB Gb



Full plastic explosion-proof distribution boxes



Stainless steel explosion-proof distribution boxes

CZ0511-BFL (Electromagnetic) BLD (Electronic) Ex-proof creep age breaker module	CZ0511-BF (Electromagnetic) Ex-proof creep age breaker module	CZ0512-BDI Ex-proof AC contactor module	CZ0512-BDIN Ex-proof reversible type AC contactor module	CZ0512-BZCI Ex-proof magnetic starter module (AC contactor+thermorelay)
CZ0512-BZC Ex-proof thermorelay module	CZ0512-BH3 Ex-proof time relay module	CZ0512-BMY Ex-proof miniature relay module	CZ0512-BPK Ex-proof motor protection switch module	CZ0513 Ex-proof load isolation switch module
CZ0515-EPQ Increased safety current transformer module	CZ0516 Increased safety control transformer module	CZ0517-IST-IPRF1 Ex-proof surge protection device module	CZ0804 Ex-proof fuses module	CKX Flameproof electric box

## CZ1290 CZ1390 Explosion-proof distribution boxes (circuit breakers)

⊙ II 2G Ex db eb Ia/Ib mb op is q IIC/IIB/IIB+H<sub>2</sub> T6/T5/T4 Gb  
 ⊙ II 2D Ex tb op is IIC T80°C/T95°C/T130°C Db  
 Ambient temperature: -20°C≤Tas+40°C/+55°C (IIC)  
 -40°C≤Tas+40°C/+55°C (IIB)  
 Degree of protection: IP66 / IP65  
 Rated voltage: 230/400V; 50/60Hz  
 Rated current: Max 40A  
 Rated leakage current: 30, 100, 300mA  
 Pole: 1P, 2P, 3P, 4P, 1P+N, 3P+N  
 Material of enclosure:  
 GRP (Anti-static glass fibre reinforced polyester SMC)  
 304/316L stainless steel (surface brushed polishing)



## CZ1290 CZ1390 Explosion-proof distribution boxes (motor protection switches)

⊙ II 2G Ex db eb Ia/Ib mb op is q IIC/IIB/IIB+H<sub>2</sub> T6/T5/T4 Gb  
 ⊙ II 2D Ex tb op is IIC T80°C/T95°C/T130°C Db  
 Ambient temperature: -20°C≤Tas+40°C/+55°C (IIC) -40°C≤Tas+40°C/+55°C (IIB)  
 Degree of protection: IP66 / IP65  
 Rated voltage: 440V; 50/60Hz  
 Setting range of over load trip: 0.1 ~ 25A  
 AC3 motor on-off capacity: up 440V/25A  
 Capacity of auxiliary contact: AC15 1A/230V  
 Voltage trip (under voltage): 230V/50Hz  
 Material:  
 GRP (Anti-static glass fibre reinforced polyester SMC)  
 304/316L stainless steel (surface brushed polishing)



## CZ1290 CZ1390 Explosion-proof distribution boxes (safety switch)

⊙ II 2GD Ex db eb Ia/Ib mb op is q IIC/IIB/IIB+H<sub>2</sub> T6/T5/T4 Gb Ex tb op is IIC T80°C/T95°C/T130°C Db  
 Ambient temperature: -40°C≤Tas+40°C/+55°C  
 -55°C≤Tas+40°C/+55°C (Optional)  
 Degree of protection: IP66 / IP65  
 Rated current: 16A, 25A, 40A, 80A, 180A  
 Rated voltage: Max 690V  
 Material of enclosure:  
 GRP (Anti-static glass fibre reinforced polyester SMC)  
 304/316L stainless steel (surface brushed polishing)



## CKX Explosion-proof electric box

⊙ II 2G Ex db IIC/IIB+H<sub>2</sub> Gb  
 ⊙ II 2G Ex db eb IIB+H<sub>2</sub> Gb  
 ⊙ II 2D Ex tb IIC Gb  
 Ambient temperature: -40°C≤Tas+40°C/+55°C (IIC)  
 -55°C≤Tas+40°C/+55°C (IIB+H<sub>2</sub>)  
 Rated voltage: Max 690V  
 Rated current: Max 250A  
 Material of enclosure: aluminum-alloy

## CZ1290 CZ1390 Explosion-proof distribution boxes (load isolation switch)

⊙ II 2GD Ex db eb Ia/Ib mb op is q IIC/IIB/IIB+H<sub>2</sub> T6/T5/T4 Gb Ex tb op is IIC T80°C/T95°C/T130°C Db  
 Ambient temperature: -40°C≤Tas+40°C/+55°C  
 -55°C≤Tas+40°C/+55°C (Optional)  
 Degree of protection: IP66 / IP65  
 Rated current: 16A, 25A, 40A, 80A, 180A  
 Rated voltage: Max 690V  
 Material of enclosure:  
 GRP (Anti-static glass fibre reinforced polyester SMC)  
 304/316L stainless steel (surface brushed polishing)



# D Series Explosion-proof electrical appliances



## CZ1420/1 Explosion-proof terminal box

Ⓜ II 2GD Ex db IIB T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and 2, zone 21 and 22  
 Ambient temperature:  $-55^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 $-20^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Degree of protection: IP66 (no sealing bar)  
 IP67 (with sealing bar)  
 Rated voltage: up to 1000V AC  
 Rated current: up to 630A  
 Material of enclosure:  
 Copper free aluminum enclosure and electrostatic powder coated



## CZ1442/1 Explosion-proof control box

Ⓜ II 2G Ex db IIB T6/T5/T4 Gb  
 Ⓜ II 2D Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and 2, zone 21 and 22  
 Ambient temperature:  $-55^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 $-20^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Degree of protection: IP66 (no sealing bar)  
 IP67 (with sealing bar)  
 Rated voltage: up to 1000V AC  
 Rated current: up to 630A  
 Material of enclosure:  
 Copper free aluminum enclosure and electrostatic powder coated



## CZ1490/1, CZ1490/2 Explosion-proof distribution boxes

Ⓜ II 2G Ex db IIB T6/T5/T4 Gb  
 Ⓜ II 2G Ex db eb IIB T6/T5/T4 Gb  
 Ⓜ II 2D Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2, Zone 21 and zone 22  
 Ambient temperature:  $-55^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 $-20^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Degree of protection: IP66 (no sealing bar)  
 IP67 (with sealing bar)  
 Rated voltage: up to 1000V AC  
 Rated current: up to 1250A  
 Material of enclosure:  
 Copper free aluminum enclosure and electrostatic powder coated



CZ1490/1 CZ1490/2

## CE Explosion-proof distribution boxes

Ⓜ II 2G Ex db eb Ia/Ib mb IIIC/IIB+H<sub>2</sub> T6/T5/T4 Gb  
 Ⓜ II 2D Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2  
 Ambient temperature:  
 $-55^{\circ}\text{C}/-40^{\circ}\text{C}/-20^{\circ}\text{C}$  to  $+40^{\circ}\text{C}/+55^{\circ}\text{C}$   
 (Ex marking and ambient temperature depend on the CKX module used)  
 Protection degree: IP66  
 Rated voltage: up to 380V  
 Rated current: up to 180A  
 Material of enclosure: aluminum-alloy enclosure and electrostatic powder coated



## CZ1520/1 Flameproof instrument box

Ⓜ II 2GD Ex db IIIC T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-55^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Degree of protection: IP66  
 Display digits: three 0-999 or three and a half -1999-1999 or four digits-1999-1999  
 Power: power supply  $\leq 3\text{VA}$   
 signal per phase  $\leq 1\text{VA}$   
 Material: Aluminum alloy enclosure, powder coated



## CZ1520/1 Flameproof electric box (fuses)

Ⓜ II 2GD Ex db IIIC T6/T5/T4 Gb Ex tb IIIC T80°C/T95°C/T130°C Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-55^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 690V AC  
 Rated current: up to 32A  
 Material: Aluminum alloy enclosure, powder coated



## CZ1400 Ex d Flameproof box

Ⓜ II 2GD Ex db IIB Gb Ex tb IIIC Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-55^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$ ,  $-20^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Operating temperature:  $-55^{\circ}\text{C}\sim+130^{\circ}\text{C}$ ,  $-20^{\circ}\text{C}\sim+130^{\circ}\text{C}$   
 Protection degree: IP66 (no sealing bar)  
 IP67 (with sealing bar)  
 Rated voltage: Max 1000V  
 Rated current: Max 1250A  
 Material: Copper free aluminum enclosure and electrostatic powder coated



## CZ1400/5 Ex d Flameproof box

Ⓜ II 2GD Ex db IIB Gb Ex tb IIIC Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-60^{\circ}\text{C}/-40^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Operating temperature:  $-60^{\circ}\text{C}/-40^{\circ}\text{C}\sim+130^{\circ}\text{C}$   
 Protection degree: IP66 (no sealing bar)  
 IP67 (with sealing bar)  
 Rated voltage: Max 1000V  
 Rated current: Max 630A  
 Material of enclosure:  
 Copper free aluminum enclosure and electrostatic powder coated



## CZ1500 Ex d Flameproof box

Ⓜ II 2GD Ex db IIIC Gb Ex tb IIIC Db  
 Zone 1 and zone 2, zone 21 and zone 22  
 Ambient temperature:  $-60^{\circ}\text{C}/-40^{\circ}\text{C}\leq\text{Tas}\leq+60^{\circ}\text{C}$   
 Operating temperature:  $-60^{\circ}\text{C}/-40^{\circ}\text{C}\sim+130^{\circ}\text{C}$   
 Protection degree: IP66 / IP67  
 Rated voltage: up to 1250V  
 Rated current: up to 1250A  
 Material of enclosure: Copper free aluminum enclosure and electrostatic powder coated



CZ1500/2

CZ1500/2A

CZ1500/1

# E Series Industrial electrical appliances



## Board front mounting rail type, board back type push button, switch module

Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 60^{\circ}\text{C}$   
 Rated voltage: 400V 400V 125V 400V 400V  
 Utilization category: AC-12 AC-15 DC-13 AC-3 AC-23  
 Rated current: 16A 10A 2A 16A 16A  
 Mechanical life: 1 million times



Operating head  $\text{II 2GD Ex eb IIC Gb Ex tb III C Db}$   $-55^{\circ}\text{C}\sim+65^{\circ}\text{C}$    
 Zone 1 and zone 2, zone 21 and 22 IP66

P1	P2	P3	P4	P6	P7	VE6	Y5□	Y6□	Y2□	K□	H□
Rubber sheath button	Rubber sheath double push button	Emergency selflocking button	Black mushroom head button	Emergency stop rotation-releasing operation head	Emergency stop rotation-releasing operation head	Toggle switch operation head	Operation head of key switch	Operation head of key switch	Emergency stop key releasing operation head	Operation head of switch (Small handle)	Operation head of switch (Big handle)

### M0202 Signal lamp

$-55^{\circ}\text{C}\leq T_{\text{as}}\leq 60^{\circ}\text{C}$   
 IP20  
 10V - 28V AC/DC  
 20V - 250V AC/DC  
 50V - 277V AC/DC  
 380V - 400V AC



### M0212 Signal lamp with push button

$-55^{\circ}\text{C}\leq T_{\text{as}}\leq 60^{\circ}\text{C}$   
 IP20  
 12V-250V AC/DC  
 Mechanical life: 300,000 times



### M0203 Potentiometer

$-55^{\circ}\text{C}\leq T_{\text{as}}\leq 60^{\circ}\text{C}$   
 IP20  
 Rated voltage: Max in put voltage  
 200V DC or rated voltage, based  
 the minimum value rated  
 Power: 0.1W  
 Scale: 0-100%



### M0240 Full plastic industrial controller

Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 500V  
 Rated current: up to 16A  
 Component terminal: 2.5mm<sup>2</sup>  
 PE terminal: 4mm<sup>2</sup>  
 Material of enclosure: Polyamide



### M1242 Full plastic industrial control box

Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 690V  
 Rated current: up to 180A  
 Component terminal: 2x2.5mm<sup>2</sup>  
 PE terminal: 4mm<sup>2</sup>  
 Material of enclosure: GRP (glass fibre reinforced polyester SMC)



### M1342 Metal industrial control box

Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 690V  
 Rated current: up to 180A  
 Component terminal: 2.5mm<sup>2</sup> PE terminal: 4mm<sup>2</sup>  
 Material of enclosure:  
 304 stainless steel ( surface brushed polishing )  
 316L stainless steel ( surface brushed polishing ) } Optional  
 Carbon steel ( surface spraying plastic powder )  
 Material thickness: standard 1.5mm (2mm customized)



### M0520 Full plastic industrial terminal boxes

Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 690V  
 Terminal: Pillar type ( 0.5 - 6mm<sup>2</sup> )  
 max 6mm<sup>2</sup>/32A  
 Cage type terminal, miniature terminal,  
 common terminal ( 1.5mm<sup>2</sup> - 6mm<sup>2</sup> )  
 PE terminal: 2x4mm<sup>2</sup>  
 Material of enclosure: polyamide



### M1220 Full plastic industrial terminal boxes

Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 1000V  
 Rated current: up to 630A  
 Material of enclosure:  
 GRP (glass fibre reinforced polyester SMC)



### M1320 Metal industrial terminal box

Corrosion-proof mark: WF2  
 Ambient temperature:  $-55^{\circ}\text{C}\leq T_{\text{as}}\leq 55^{\circ}\text{C}$   
 Degree of protection: IP66  
 Rated voltage: up to 1000V  
 Rated current: up to 630A  
 Material of enclosure:  
 304 stainless steel ( surface brushed polishing )  
 316L stainless steel ( surface brushed polishing ) } Optional  
 Carbon steel ( surface spraying plastic powder )  
 Material thickness: standard 1.5mm (2mm customized)

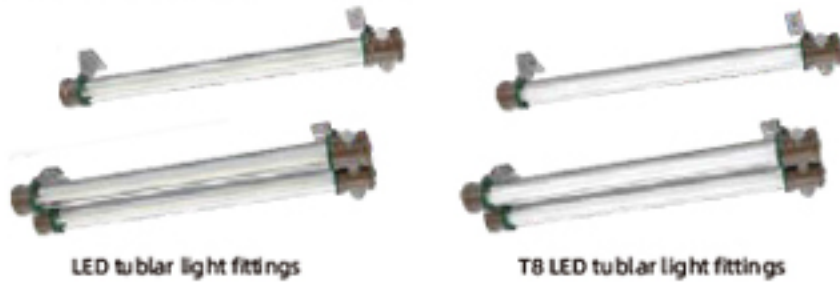


# A IIB, IIC Explosion-proof light fittings (Zone 1 and zone 2, zone 21 and zone 22)



## CZ6365 Explosion-proof LED tublar light fittings

Ⓢ II 2GD Ex db IIB+H<sub>2</sub> T6/T5 Gb Ex tb IIC T80°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +55°C  
 -60°C to +55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100 ~ 250V AC 50/60Hz, 127~250V DC  
 Light source power: T8 LED: 8W, 18W  
 LED: 30W, 40W, 50W  
 Material of enclosure: Stainless steel 316L



LED tublar light fittings

T8 LED tublar light fittings

## CZ6365 Explosion-proof emergency LED tublar light fittings

Ⓢ II 2GD Ex db IIB+H<sub>2</sub> T6/T5 Gb Ex tb IIC T80°C Db  
 Degree of protection: IP66/IP67  
 Ambient temperature: -40°C to +50°C  
 Rated voltage: 100 ~ 250V AC 50/60Hz, 127~250V DC  
 Light source power: 30W, 40W  
 Emergency power: 8W  
 Recharging time: 24 h  
 Emergency starting time: 0.1 s  
 Emergency illuminating time: >180min  
 Material of enclosure: Stainless steel 316L, PC Polycarbonate (transparent lampshade)



30W emergency tublar light fittings

40W emergency tublar light fittings

## CZ0264/30 Full plastic explosion-proof LED linear light fittings

Ⓢ II 2GD Ex db eb mb q II C T6/T5 Gb Ex tb IIC T80°C Db  
 Ambient temperature: -40°C to +40°C/+55°C  
 Degree of protection: IP66  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
 Light source: 16W  
 Material of enclosure: GRP  
 PC (Transparent cover)



## CZ6474/1□□□ LED explosion-proof light fittings

Ⓢ II 2GD Ex db IIC T6/T5 Gb Ex tb IIC T80°C/T95°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 -60°C to +40°C/+55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 20 ~ 40V DC/24V AC 50/60Hz  
 127 ~ 250V DC/100 ~ 250V AC 50/60Hz  
 Light source power: 12W  
 Material of enclosure: Aluminum alloy



CZ6474/1115

CZ6474/121B

CZ6474/121R

CZ6474/131E

## CZ6474/135 LED explosion-proof light fittings CZ6474/145

Ⓢ II 2GD Ex db IIC/IIB+H<sub>2</sub> T6/T5 Gb Ex tb IIC T80°C/T95°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C (IIC)  
 -60°C to +40°C/+55°C (IIB+H<sub>2</sub>)  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100 ~ 240V AC 50/60Hz, 127 ~ 250V DC  
 Light source power: CZ6474/135: 30W, 45W, 60W  
 CZ6474/145: 75W, 90W  
 Material of enclosure: Aluminum alloy  
 Mounting type: Pendant pole type, Bracket mounting type, Platform type 25°,  
 Surface mounting type, Wall mounting type



## CZ6474/235 LED explosion-proof light fittings CZ6474/245

Ⓢ II 2GD Ex db eb IIC/IIB+H<sub>2</sub> T6/T5 Gb Ex tb IIC T80°C/T95°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C (IIC)  
 -60°C to +40°C/+55°C (IIB+H<sub>2</sub>)  
 (-60°C lamp electrical equipment need to be customized)  
 Rated power: 100 ~ 240V AC 50/60Hz, 127 ~ 250V DC  
 Light source power: CZ6474/235: 30W, 45W, 60W  
 CZ6474/245: 75W, 90W  
 Material of enclosure: Aluminum alloy  
 Mounting type: Bracket mounting type, Wall mounting type, Platform type 25°,  
 Platform type 90°



# A IIB, IIC Explosion-proof light fittings (Zone 1 and zone 2, zone 21 and zone 22)



<p><b>CZ0878/211B Explosion-proof floodlight light fittings LED</b></p> <p>Ⓜ II 2GD Ex db eb IIB+H, T6/T5 Gb Ex tb IIC T70°C/T80°C/T85°C/T95°C Db Degree of protection: IP66 Ambient temperature: -40°C to +40°C/+55°C -55°C to +40°C/+55°C (-55°C lamp electrical equipment need to be customized) Rated voltage: 100V-240V AC 50/60Hz Light source power: 60W, 75W, 90W Light distribution: Wide beam, Narrow beam, Street light beam, Standard beam Material of enclosure: Aluminum alloy</p> 	<p><b>CZ0878/221B Explosion-proof floodlight light fittings LED</b> <b>CZ0878/221F</b></p> <p>Ⓜ II 2GD Ex db eb IIB T5/T4 Gb Ex tb IIC T85°C/T100°C Db Degree of protection: IP66 Ambient temperature: -20°C to +40°C/+55°C Rated voltage: 100V-240V AC 50Hz/60Hz Light source power: 120W, 160W, 200W Light distribution: Wide beam, Narrow beam, Street light beam Material of enclosure: Aluminum alloy</p>  <p>CZ0878/221B CZ0878/221F</p>
<p><b>CZ6478/121B Flame-proof LED light fittings</b></p> <p>Ⓜ II 2GD Ex db eb IIB+H, T6/T5/T4 Gb Ex tb IIC T80°C/T90°C/T95°C/T105°C Db Degree of protection: IP66 Ambient temperature: -40°C to +40°C/+55°C -60°C to +40°C/+55°C (-60°C lamp electrical equipment need to be customized) Rated voltage: 100V-240V AC 50/60Hz Light source power: 160W, 200W, 240W 2x160W, 2x200W, 2x240W 4x160W, 4x200W, 4x240W Light distribution: Wide beam, Narrow beam, Street light beam Material of enclosure: Aluminum alloy</p> 	<p><b>CZ0878d Explosion-proof floodlight light fittings</b></p> <p>Ⓜ II 2GD Ex db eb IIB T* Gb Ex tb IIC T*°C Db Degree of protection: IP66 Ambient temperature: -20°C to +40°C/+55°C Rated voltage: 220V, 230V, 240V AC 50Hz, 60Hz Light source power: Metal halide lamp-J, High pressure sodium vapor lamp-N 250W, 400W Material of enclosure: Aluminum alloy</p> 
<p><b>CZ0871 Explosion-proof light fittings</b></p> <p>Ⓜ II 2GD Ex db eb IIC T6/T5/T4 Gb Ex tb IIC T80°C/T95°C/T130°C Db Degree of protection: IP66 Ambient temperature: -20°C to +40°C/+55°C -40°C to +40°C/+55°C Rated voltage: 220V AC 50Hz 220V, 230V, 240V AC 50Hz, 60Hz Light source power: Metal halide lamp-J: 70W, 100W, 150W High pressure sodium vapor lamp-N: 70W, 100W Material of enclosure: Aluminum alloy Borosilicate (tempered glass cover)</p> 	<p><b>CZ0872 Explosion-proof light fittings</b></p> <p>Ⓜ II 2GD Ex db eb IIC T5/T4/T3 Gb Ex tb IIC T95°C/T130°C/T195°C Db Degree of protection: IP66 Ambient temperature: -20°C to +40°C/+55°C -40°C to +40°C/+55°C Rated voltage: 220V AC 50Hz 220V, 230V, 240V AC 50Hz, 60Hz Light source power: Metal halide lamp-J: 250W, 400W High pressure sodium vapor lamp-N: 150W, 250W, 400W Material of enclosure: Aluminum alloy Borosilicate (tempered glass cover)</p> 
<p><b>CZ0873/2□ Explosion-proof light fittings</b></p> <p>Ⓜ II 2GD Ex db eb IIC T6/T5/T4 Gb Ex tb IIC T80°C/T95°C/T130°C Degree of protection: IP66 Ambient temperature: -20°C to +40°C/+55°C, -40°C to +40°C/+55°C Rated voltage: 220V AC, 230V AC, 240V AC 230V/240V AC, 220V/230V/240V AC 50Hz, 60Hz Light source power: Metal halide lamp-J: 70W, 100W, 150W High pressure sodium vapor lamp-N: 70W, 100W Material of enclosure: Aluminum alloy Borosilicate (tempered glass cover) Mounting type: Bracket type lamp, Platform type lamp 90°, Platform type lamp 25°, Wall type lamp</p> 	<p><b>CZ0874/2□ Explosion-proof light fittings</b></p> <p>Ⓜ II 2GD Ex db eb IIC T4 Gb Ex tb IIC T195°C Degree of protection: IP66 Ambient temperature: -20°C to +40°C/+55°C, -40°C to +40°C/+55°C Rated voltage: 220V AC, 230V AC, 240V AC 230V/240V AC, 220V/230V/240V AC 50Hz, 60Hz Light source power: Metal halide lamp-J: 250W High pressure sodium vapor lamp-N: 150W, 250W Material of enclosure: Aluminum alloy Borosilicate (tempered glass cover) Mounting type: Bracket type lamp, Platform type lamp 90°, Platform type lamp 25°, Wall type lamp</p> 
<p><b>CZ GSD Explosion-proof high-pole light fittings</b></p> <p>CZ0878/211: Ex db eb IIB T5/T4 Gb Ex tb IIC T80°C/T100°C Db (China standard) Ambient temperature: -20°C to +40°C/+55°C Degree of protection: IP66 Rated voltage: 220V AC 50Hz/60Hz</p> <p>CZ6478/B: Ex db IIB+H, T5/T4 Gb Ex tb IIC T90°C/T105°C Db (China standard) Installation method of lamp panel: Fixed type, Lift type, Folding type Lamp panel shape: circular, fan-shaped, triangular Lamp panel layout: single layer, upper and lower layers</p> <p>CZ0878n/B-LED: Ex nR IIC T5/T4 Gb Ex tD A21 IP66 T90°C/T105°C (China standard) The height of lamp pole: 20m, 25m, 30m, 35m</p> 	

# B Special light fittings (Zone 1 and zone 2, zone 21 and zone 22)



## CZ1260 Explosion-proof overhaul light fittings Explosion-proof equipment light fittings

Ⓔ II 2GD Ex db eb IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db  
Ambient temperature: -20°C to +40°C/+55°C  
-40°C to +40°C/+55°C  
Degree of protection: IP66 (Equipment light fittings)  
IP67 (Overhaul light fittings)  
Rated voltage: 12-36V AC 50Hz/60Hz  
12-48V DC  
100-250V AC/DC  
48-110V AC 50Hz/60Hz  
70-110V DC  
Light source power: 11W  
Material of enclosure: Alloy plastic (shell)  
Polycarbonate (transparent cover)



## CZ0878/211P Explosion-proof floodlight light fittings LED (Mobile)

Ⓔ 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  
Degree of protection: IP66  
Ambient temperature: -40°C to +40°C/+55°C  
-55°C to +40°C/+55°C  
(-55°C lamp electrical equipment need to be customized)  
Rated voltage: 100V-240V AC 50/60Hz  
Light source power: 60W, 75W, 90W  
Light distribution: wide beam, narrow beam, standard beam  
Material of enclosure: Aluminum alloy



## CZ6474/121P LED Explosion-proof light fittings (Portable light)

Ⓔ II 2GD Ex db IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db  
Degree of protection: IP66  
Ambient temperature: -40°C≤T<sub>amb</sub>+40°C/+55°C  
-60°C≤T<sub>amb</sub>+40°C/+55°C  
(-60°C lamp electrical equipment need to be customized)  
Rated voltage: 20 ~ 40V DC/24V AC 50/60Hz  
Light source power: 12W  
Material of enclosure: Aluminum alloy



## CZ6474/121H LED Explosion-proof light fittings (Spot light)

Ⓔ II 2GD Ex db IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db  
Degree of protection: IP66  
Ambient temperature: -40°C≤T<sub>amb</sub>+40°C/+55°C  
-60°C≤T<sub>amb</sub>+40°C/+55°C  
(-60°C lamp electrical equipment need to be customized)  
Rated voltage: 20 ~ 40V DC/24V AC 50/60Hz  
Light source power: 12W  
Material of enclosure: Aluminum alloy



## CZ6474/1115 Explosion-proof light fittings (LED tricolor warning CZ6474/121B light)

Ⓔ II 2G Ex db IIC T6/T5 Gb (Without buzzer)  
Ⓔ II 2G Ex db ib IIC T6/T5 Gb (With buzzer)  
Ⓔ II 2D Ex tb IIIC T80°C/T95°C Db  
Degree of protection: IP66  
Ambient temperature: -40°C≤T<sub>amb</sub>+40°C/+55°C  
-60°C≤T<sub>amb</sub>+40°C/+55°C  
(-60°C lamp electrical equipment need to be customized)  
Rated voltage: 20 ~ 40V DC/14-28V AC 50/60Hz  
127~250V DC/100 ~ 250V AC 50/60Hz  
Light source power: 5W  
Material of enclosure: Aluminum alloy



## CZ6474/1115 Explosion-proof light fittings (LED warning signal CZ6474/121B light)

Ⓔ II 2G Ex db IIC T6/T5 Gb (Without buzzer)  
Ⓔ II 2G Ex db ib IIC T6/T5 Gb (With buzzer)  
Ⓔ II 2D Ex tb IIIC T80°C/T95°C Db  
Degree of protection: IP66  
Ambient temperature: -40°C≤T<sub>amb</sub>+40°C/+55°C  
-60°C≤T<sub>amb</sub>+40°C/+55°C  
(-60°C lamp electrical equipment need to be customized)  
Rated voltage: 20 ~ 40V DC/14-28V AC 50/60Hz  
127~250V DC/100 ~ 250V AC 50/60Hz  
Light source power: 5W  
Material of enclosure: Aluminum alloy



## CZ0873/2BZD□ Explosion-proof aviation obstruction light fittings

Ⓔ II 2GD Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db  
Degree of protection: IP66  
Ambient temperature: -20°C to +40°C/+55°C  
-40°C to +40°C/+55°C  
Rated voltage: 220V AC 50Hz  
220 ~ 240V AC 50Hz/60Hz  
Light source power: LED 10W  
Xenon lamp tube < 10W  
Material of enclosure: Aluminum alloy  
Synchronization: GPS wireless synchronization



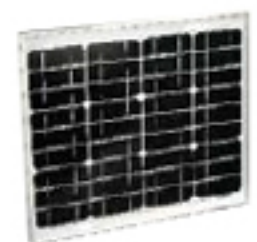
## CZ0873/2BZDL Explosion-proof aviation obstruction light fittings ( With Explosion- proof solar panel )

Ⓔ II 2GD Ex db eb IIC T6 Gb Ex tb IIIC T80°C Db  
Degree of protection: IP66  
Ambient temperature: -20°C to +40°C/+55°C  
-40°C to +40°C/+55°C  
Rated voltage: 12V DC (Equipped with explosion-proof  
solar panel + lithium battery)  
Light source power: LED 10W  
Material of enclosure: Aluminum alloy  
Synchronization: GPS wireless  
synchronization



## CZ0855 Explosion-proof solar panel

Ex mb IIC T4 Gb Ex mD 21 T130°C  
Degree of protection: IP66  
Ambient temperature: -40°C to +55°C  
Peak Power: 30W, 60W  
Maximum Power Current: 1.76A, 3.27A  
Maximum Power Voltage: 17.6V, 18.35V  
Short Circuit Current: 1.86A, 3.58A  
Open Circuit Voltage: 21.36V, 22.48V  
Synchronization: GPS wireless synchronization



# C N type Explosion-proof light fittings (Zone 2, zone 21 and zone 22)



## CZ0274/30 Full plastic explosion-proof LED linear light fittings

Ⓜ II 3G2D Ex ec op is IIC T5/T4 Gc Ex tb op is IIC T80°C Db  
 Ⓜ II 3G2D Ex db ec op is IIC T5/T4 Gc Ex tb op is IIC T80°C Db (With limit switch)  
 Ⓜ II 3G2D Ex db ec mb op is IIC T5/T4 Gc Ex tb op is IIC T80°C Db (With limit switch and fuse)  
 Degree of protection: IP66  
 Ambient temperature: -25°C to +40°C/+55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
 100 ~ 250V DC  
 Light source power: 16W  
 Material of enclosure: GRP  
 PC (Transparent cover)



## CZ6470/311 LED Explosion-proof light fittings

Ⓜ II 2GD Ex ec IIC T5/T4 Gc Ex tb IIC T95°C/T130°C Db  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 Rated voltage: 110 ~ 250V AC 50Hz/60Hz  
 Light source power: 160W, 200W, 240W  
 Material of enclosure: Aluminum alloy



## CZ1875 Full plastic explosion-proof LED linear light fittings CZ1876

Ⓜ II 3G2D Ex ec IIC T5/T4 Gc Ex tb IIC T80°C Db  
 Ⓜ II 3G2D Ex db ec IIC T5/T4 Gc Ex tb IIC T80°C Db (With limit switch)  
 Ⓜ II 3G2D Ex db ec mb IIC T5/T4 Gc Ex tb IIC T80°C Db (With limit switch and fuse)  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
 Light source power: 1x26W, 2x26W  
 Light distribution: Wide beam, Narrow beam  
 With isolated 0-10V dimming  
 Material of enclosure: GRP  
 PC (Transparent cover)



## CZ1875 Full plastic explosion-proof emergency LED linear light fittings CZ1876

Ⓜ II 3G2D Ex db ec IIC T5/T4 Gc Ex tb IIC T80°C Db  
 Ⓜ II 3G2D Ex db ec mb IIC T5/T4 Gc Ex tb IIC T80°C Db (With fuse)  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz, 100 ~ 250V DC  
 Light source power: 1x26W, 2x26W  
 Recharging time: 24 h  
 Emergency starting time: 0.1 s  
 Emergency illuminating time: > 180 min  
 Light distribution: Wide beam, Narrow beam  
 Material of enclosure: GRP  
 PC (Transparent cover)



## CZ1875 Full plastic explosion-proof T8 LED light fittings CZ1876

Ⓜ II 3G2D Ex ec IIC T5/T4 Gc Ex tb IIC T80°C Db  
 Ⓜ II 3G2D Ex db ec IIC T5/T4 Gc Ex tb IIC T80°C Db (With limit switch)  
 Ⓜ II 3G2D Ex db ec mb IIC T5/T4 Gc Ex tb IIC T80°C Db (With limit switch and fuse)  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
 Light source power: T8 LED 2x8W, 2x18W  
 Material of enclosure: GRP  
 PC (Transparent cover)



## CZ1875 Full plastic explosion-proof emergency T8 LED light fittings CZ1876

Ⓜ II 3G2D Ex db ec IIC T5/T4 Gc Ex tb IIC T80°C Db  
 Ⓜ II 3G2D Ex db ec mb IIC T5/T4 Gc Ex tb IIC T80°C Db (With fuse)  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +40°C/+55°C  
 Rated voltage: 220 ~ 240V AC 50Hz/60Hz  
 Light source power: T8 LED 2x8W, 2x18W  
 Emergency power: T8 LED 1x8W, 1x18W  
 Recharging time: 24 h  
 Emergency starting time: 0.1 s  
 Emergency illuminating time: > 120 min  
 Material of enclosure: GRP  
 PC (Transparent cover)



## CZ1373/3 Explosion-proof LED linear light fittings CZ1373/4

Ⓜ II 3G2D Ex ec op is IIC T4 Gc Ex tb op is IIC T80°C Db  
 Ⓜ II 3G2D Ex ec mb op is IIC T4 Gc Ex tb op is IIC T80°C Db (With fuse)  
 Degree of protection: IP66  
 Ambient temperature: -25°C to +55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
 100 ~ 250V DC  
 Light source power: 2x26W, 4x26W  
 Light distribution: Wide beam, Narrow beam  
 With isolated 0-10V dimming  
 Material of enclosure: Stainless steel 304 / 316L  
 Carbon steel (surface white plastic powder coated)



## CZ1373/3 Explosion-proof emergency LED linear light fittings CZ1373/4

Ⓜ II 3G2D Ex ec mb op is IIC T4 Gc Ex tb op is IIC T80°C Db  
 Degree of protection: IP66  
 Ambient temperature: -25°C to +40°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
 100 ~ 250V DC  
 Light source power: 2x26W, 4x26W  
 Recharging time: 24 h  
 Emergency starting time: 0.1 s  
 Emergency illuminating time: ≥180min  
 Light distribution: Wide beam, Narrow beam  
 Material of enclosure: Stainless steel 304 / 316L  
 Carbon steel (surface white plastic powder coated)



# D Fire product

(Zone 1 and zone 2, Zone 21 and zone 22)

China Certification for fire products

## CZ-D-□KVA Explosiopr-n-proof fire emergency lighting centralized power supply



⊙ II 2 G D Ex db IIB T4 Gb Ex tb IIIC T130°C  
 Degree of protection: IP66  
 Ambient temperature: -55°C to +55°C  
 Rated voltage: 220V AC 50Hz  
 Rated output voltage: 36V DC  
 (Normal or emergency working conditions)  
 Output power: 300W, 600W  
 Emergency time: 90min  
 Enclosure material: Aluminum alloy



## CZ-BLJC Full plastic explosion-proof centrally power supply and control type fire emergency marking lighting luminaire

China Fire Certification: CCC  
 Ex eb ib q IIC T6 Gb Ex tb IIIC T80°C Db  
 Ex db eb ib q IIC T6 Gb Ex tb IIIC T80°C Db (With limit switch)  
 Ex db eb ib mb q IIC T6 Gb Ex tb IIIC T80°C Db (With limit switch and fuse) (China standard)  
 Ambient temperature use: -40°C to +55°C  
 Degree of protection: IP66  
 Rated voltage: 36V DC  
 Light source power: 3W  
 Emergency starting time: ≤ 0.25 s  
 Emergency illuminating time: 90min  
 Enclosure material: GRP  
 PC (Transparent cover)



## CZ-ZFJC Full plastic explosion-proof centrally power supply and control type fire emergency lighting luminaire

China Fire Certification: CCC  
 Ex eb ib q IIC T6 Gb Ex tb IIIC T80°C Db  
 Ex db eb ib q IIC T6 Gb Ex tb IIIC T80°C Db (With limit switch)  
 Ex db eb ib mb q IIC T6 Gb Ex tb IIIC T80°C Db (With limit switch and fuse) (China standard)  
 Ambient temperature use: -40°C to +55°C  
 Degree of protection: IP66  
 Rated voltage: 36V DC  
 Light source power: 3W  
 Emergency starting time: ≤ 0.25 s  
 Emergency illuminating time: 90min  
 Enclosure material: GRP  
 PC (Transparent cover)



## CZ-ZFJC Full plastic explosion-proof centrally power supply and control type fire emergency lighting luminaire

China Fire Certification: CCC  
 Ex db IIC T6/T5 Gb Ex tb IIIC T80°C/T95°C Db (China standard)  
 Ambient temperature use: -40°C to +40°C/+55°C  
 -60°C to +40°C/+55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Degree of protection: IP66  
 Rated voltage: 36V DC  
 Light source power: 3W, 6W, 10W  
 Emergency starting time: ≤ 0.25 s  
 Emergency illuminating time: 90min  
 Enclosure material: Aluminum alloy



## CZ0264/20 Explosion-proof LED marking light, lighting luminaire

⊙ II 2GD Ex eb ib op is q IIC T4 Gb Ex tb IIIC T80°C Db  
 ⊙ II 2GD Ex db eb ib op is q IIC T4 Gb Ex tb IIIC T80°C Db (With limit switch)  
 ⊙ II 2GD Ex db eb ib mb op is q IIC T4 Gb Ex tb IIIC T80°C Db (With limit switch and fuse)  
 Ambient temperature: -20°C to +55°C  
 Degree of protection: IP66  
 Rated voltage: 220V AC 50Hz  
 Light source power: 3W  
 Enclosure material: GRP, PC (Transparent cover)



Explosion-proof lighting luminaire

Explosion-proof marking light

## CZ0264/20 Explosion-proof LED emergency marking light, Explosion-proof LED emergency lighting luminaire

⊙ II 2GD Ex eb ib op is q IIC T4 Gb Ex tb IIIC T80°C Db  
 ⊙ II 2GD Ex db eb ib op is q IIC T4 Gb Ex tb IIIC T80°C Db (With limit switch)  
 ⊙ II 2GD Ex db eb ib mb op is q IIC T4 Gb Ex tb IIIC T80°C Db (With limit switch and fuse)  
 Ambient temperature: -20°C to +55°C  
 Degree of protection: IP66  
 Rated voltage: 220V AC 50Hz  
 Light source power: 3W  
 Recharging time: 24 h  
 Emergency starting time: ≤ 0.1 s  
 Emergency illuminating time: 120min  
 Enclosure material: GRP, PC (Transparent cover)



Explosion-proof lighting luminaire

Explosion-proof marking light

# D Fire product (Industrial)

China Certification for fire products

## CZ-C-□W-M Fire emergency lighting controlle

China Fire Certification: CCC  
 Degree of protection: IP30  
 Ambient temperature: -20°C to +55°C  
 Rated voltage: 220V AC 50Hz  
 Rated power: 6W, 60W  
 Emergency working time: ≥180min



6W

60W

## CZ-D-□KVA-M Fire emergency lighting centralized power supply

China Fire Certification: CCC  
 Degree of protection: IP66  
 Ambient temperature use: -20°C to +55°C  
 Rated voltage: 220V AC 50Hz  
 Rated voltage: 36V DC  
 (Normal or emergency working conditions)  
 Output power: 300W, 600W  
 Emergency working time: ≥90min



# D Fire product (Industrial)



## CZ-BLJC-M1864 Full plastic industrial centrally power supply and control type fire emergency marking lighting luminaire

China Fire Certification: CCC  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 Rated voltage: 36V DC  
 Light source power: 3W  
 Emergency starting time: ≤0.25 (S)  
 Emergency illuminating time: 90min  
 Enclosure material: UV resistant PC



## CZ-ZFJC-M1864 Full plastic industrial centrally power supply and control type fire emergency lighting luminaire

China Fire Certification: CCC  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 Rated voltage: 36V DC  
 Light source power: 3W  
 Emergency starting time: ≤0.25 (S)  
 Emergency illuminating time: 90min  
 Enclosure material: UV resistant PC



## CZ-BLJC Full plastic industrial centrally power supply and control type fire emergency marking lighting luminaire

Degree of protection: IP41  
 Ambient temperature use: -20°C to +40°C  
 Rated voltage: 36V DC  
 Light source power: 0.4W

Emergency power: 0.4W  
 Emergency illuminating time: ≥90min  
 Enclosure material: Nano metal plate



## CZ-ZFJC Full plastic industrial centrally power supply and control type fire emergency lighting luminaire

Degree of protection: IP40 (Wall type)  
 IP33 (Ceiling type)  
 Ambient temperature use: -20°C to +40°C  
 Rated voltage: 36V DC  
 Emergency power: 3W, 6W, 10W, 18W  
 Emergency illuminating time: ≥90min  
 Enclosure material: Polycarbonate  
 Cast aluminium



# E Industrial light fittings



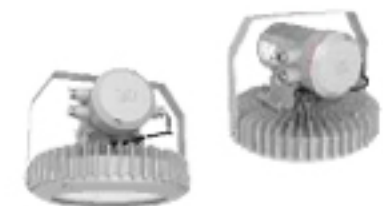
## M0274/30 Industrial LED linear light fittings

Corrosion-proof mark: WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
 Light source power: 16W  
 Enclosure material: GRP  
 PC (Transparent cover)



## M6470/011 LED Industrial light fittings

Corrosion-proof mark: WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 -60°C to +55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 110 ~ 250V AC 50Hz/60Hz  
 Light source power: 160W, 200W, 240W  
 Enclosure material: Aluminum alloy



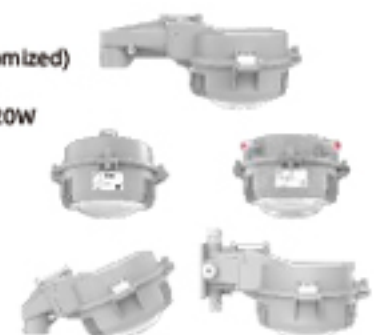
## M0879/1, 2, 3 Industrial light fittings

Corrosion-proof mark: WF2  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +55°C  
 Rated voltage: 220V AC 50Hz  
 220V AC, 230V AC, 240V AC 50Hz, 60Hz  
 120V/208V/240V/277V/480V AC 60Hz  
 Light source power:  
 M0879/1 Metal halide lamp-J: 70W, 100W, 150W  
 High pressure sodium vapor lamp-N: 70W, 100W  
 M0879/2 Metal halide lamp-J: 250W  
 High pressure sodium vapor lamp-N: 150W, 250W  
 M0879/3 Metal halide lamp-J, High pressure sodium vapor lamp-N: 250W, 400W  
 Mounting ways: Bracket type lamp, Platform type lamp 90°, Platform type lamp 25°, Wall type lamp  
 Enclosure material: Aluminum alloy



## M0879/5, 6 LED Industrial light fittings

Corrosion-proof mark: WF2  
 Degree of protection: IP66  
 Ambient temperature: -40°C to +55°C  
 -60°C to +55°C  
 (-60°C lamp electrical equipment need to be customized)  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz  
 Light source power: 30W, 45W, 60W, 75W, 90W, 120W  
 Enclosure material: Aluminum alloy  
 Mounting ways: Pendant pole type lamp, Bracket type lamp, Platform type lamp 90°, Platform type lamp 25°, Wall type lamp



## M0875 Industrial full plastic LED linear light fittings

Corrosion-proof mark: WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz,  
 100 ~ 250V DC  
 Light source power: 1x26W, 2x26W  
 Light distribution: Wide beam, Narrow beam  
 With isolated 0-10V dimming  
 Enclosure material: Polycarbonate



## M0875 Industrial full plastic LED emergency linear light fittings

Corrosion-proof mark: WF2  
 Degree of protection: IP66  
 Ambient temperature use: -40°C to +55°C  
 Rated voltage: 100 ~ 250V AC 50Hz/60Hz,  
 100 ~ 250V DC  
 Light source power: 1x26W, 2x26W  
 Recharging time: 24h  
 Emergency starting time: 0.1 (S)  
 Emergency illuminating time: ≥180min

Light distribution: Wide beam, Narrow beam  
 Enclosure material: Polycarbonate

