



Descriptions:

The enclosures of full plastic explosion-proof (emergency) fluorescent light fittings are manufactured by glass fiber reinforced polyester and the transparent parts are manufactured by anti-ultraviolet polycarbonate. They have good protection ability from various chemical matters in factories because of high stability and mechanical strength. The material of the light fitting used can prevent from being corroded effectively. The sealing bars between the enclosure and transparent parts are compacted by the interlock device. The isolation switches are operated by the interlock devices. When the isolation switch is switched off, the covers can be opened.

The explosion-proof electronic ballast, explosion-proof isolation switch, explosion-proof lampholder and explosion-proof terminals etc are mounted inside of the full plastic explosion-proof fluorescent light fittings.

The explosion-proof electronic ballast, explosion-proof inverter, explosion-proof fuse, explosion-proof indicator lamp, and high temperature resistance explosion-proof battery etc. are mounted inside of the full plastic explosion-proof emergency fluorescent light fittings. The light fitting can be automatically recharging while normal working, so that the lamp tube will turn on automatically when the power loses because of accident or power failure.

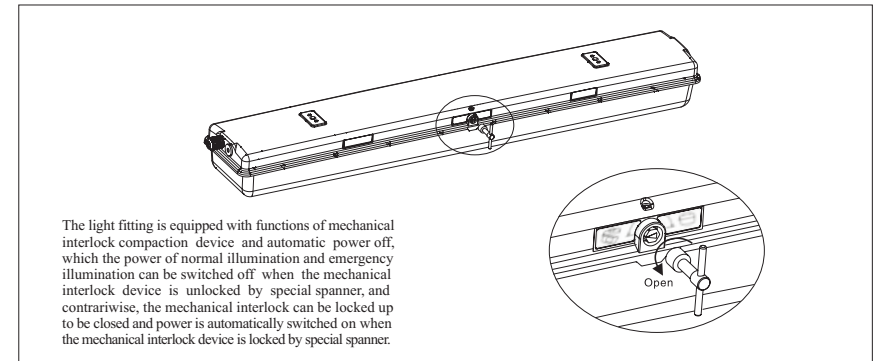
Mounting ways: Ceiling type, chain type, pendant type, wall type and clamp type
Mounting ways: Platform fence type, platform flange type, street lamp type

- Standard two-supply circuit design and EOL switching off function design when the life of the lamp tube is end;
- The structural design is never distortion and its protection degree is up to IP66.
- Equipped with the mechanical interlocking device and explosion-proof distance switch of II C class to enable the power off automatically when the diffuser is uncovered.
- With interlock device, the transparent parts and enclosure can not energize to work to ensure safe use before completely sealing.
- The explosion-proof ballast and explosion-proof inverter are certified separately ;
- The explosion-proof ballast is equipped with the protective functions of open circuit, short circuit and abnormality of lamp tube;
- The emergency type has the indication of fault signal, the charging signal, the discharging signal.

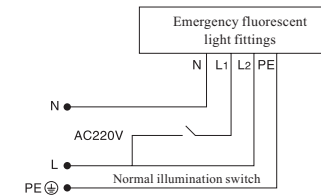
Zone 1 and zone 2
Zone 21 and zone 22



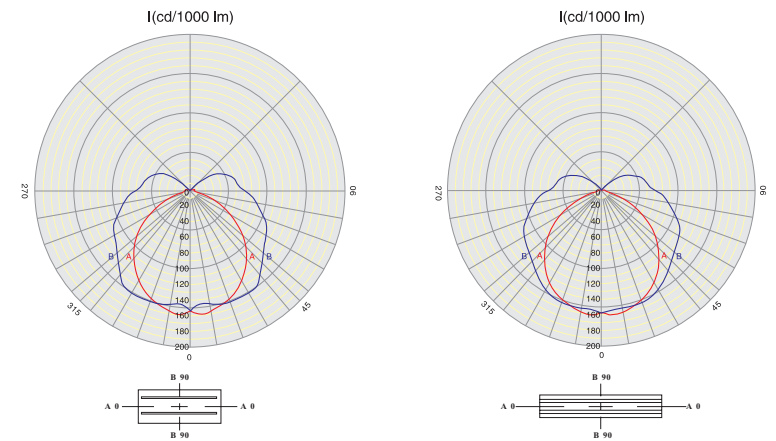
- Diagram:



- Mounting circuit diagram for emergency light fittings:



- Luminous intensity distribution curve:

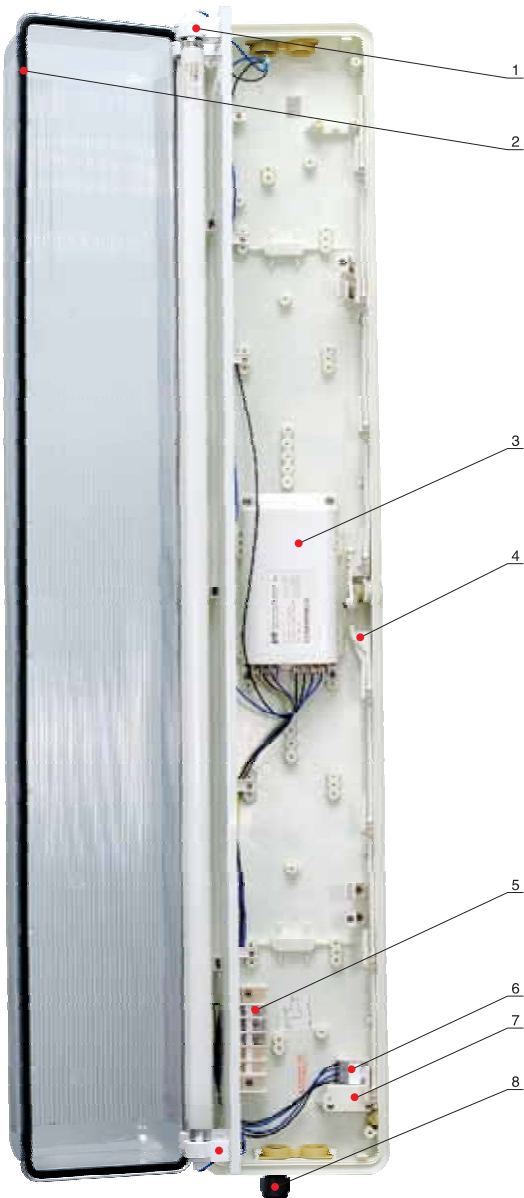


CZ0865 (2 × 18W)
Full plastic explosion-proof fluorescent light fittings

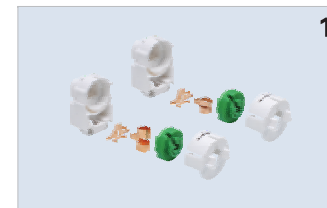
CZ0866 (2 × 36W)
Full plastic explosion-proof fluorescent light fittings



• Diagram:



• Product characteristics:



1
Explosion-proof lampholder of Ex e II (Two-pin) G5, G13.



2
The Ex e enclosure is has the foaming sealing ring to ensure the protection degree is IP65.



3
The reliable service quality and security of the electrical apparatus is guaranteed by the explosion-proof ballast module.



4
The enclosure and transparent shield are pressed tightly and drive the switching off and interlocking function of explosion-proof distance switch by unlocking device through interlock mechanism.



5
Explosion-proof terminal module of Ex e II.



6
The explosion-proof distance switch module of Ex de IIC is operated by interlocking device and the enclosure can only be opened when the switch is off.



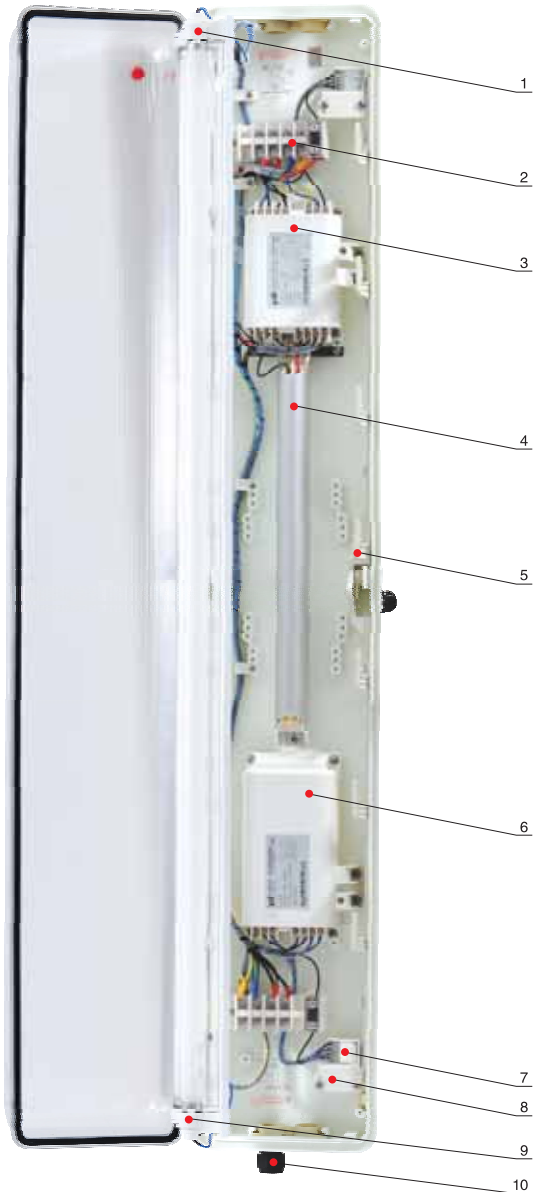
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With interlock device, it can't be energized when the transparent shield and enclosure are not closed or sealed completely to ensure the security of use.



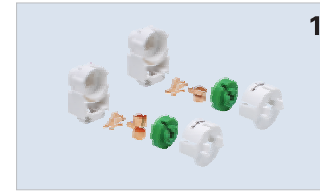
8
IECEX, ATEX certified cable gland and stopping plug of Ex e II



• Diagram:



• Product characteristics:



Explosion-proof lampholder of Ex e II (Two-pin) G5, G13.



Explosion-proof terminal module of Ex e II.



The reliable service quality and security of the electrical apparatus is guaranteed by the explosion-proof inverter module.



The explosion-proof battery module is thermostable and high-capacity.



The enclosure and transparent shield are pressed tightly and drive the switching off and interlocking function of explosion-proof distance switch by unlocking device through interlocking mechanism.



The reliable service quality and security of the electrical apparatus is guaranteed by the explosion-proof ballast module.



The explosion-proof distance switch module of Ex de IIC is operated by interlocking device and the enclosure can only be opened when the switch is off.



With interlocking device, it can't be energized when the transparent shield and enclosure are not closed or sealed completely to ensure the security of use.



The explosion-proof emergency signal lamp module and three kinds of signal indicators.



IECEX, ATEX certified cable gland and stopping plug of Ex e II.



CZ0865/2 × 14W, CZ0866/2 × 28W
Full plastic explosion-proof fluorescent light fittings (T5 energy saving type)

• Main technical data:

Ex mark: Ⓜ II 2GD Ex deq II C Gb T4 Ex tD A21 T 80 °C (No fuse fitted with)
Ⓜ II 2GD Ex deqmb II C Gb T4 Ex tD A21 T 80 °C (Fitted with fuse)

Intended use: Can be used in zone 1 and zone 2; Can be used in zone 21 and zone 22

Ambient temperature use: -25 °C ≤ Ta ≤ 40 °C

Degree of protection: IP66

Rated voltage: AC230V, AC110 ~ 240V (± 10%) 50/60Hz

Power factor: λ > 0.98

Energy efficiency index EEI=A2

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


Meet the standard: IEC60079 IEC61241 EN60079 EN61241

Conformity to: **CE**

Cable entry: Moulded plastic 1 × M25 × 1.5 cable gland, Outside diameter of cable: Φ8-17mm

Moulded plastic 2 × M25 × 1.5 stopping plugs

• Order specifications:

Illustration	Light source code	Power	Current	Weight	Order No.
	G5 Two-pin lampholder	2 × 14W	max 0.16A	5kg	CZ0865 / 2 × 14W-□-B+□
		2 × 28W	max 0.33A	7.9kg	CZ0866 / 2 × 28W-□-B+□

CZ0865



CZ0866

1 — AC110 ~ 240V
NO — AC230V

Code of cable gland

Order No. of mounting accessories
(No matching not noted, see page 11-12)

Code	Specifications	Cable diameter
B	One moulded plastic M25 × 1.5 cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
C	One brass CZ0221/M25 × 1.5 metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
D	Two moulded plastic M25 × 1.5 cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
E	Two brass CZ0221/M25 × 1.5 metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
F	One brass CZ0227/M25 × 1.5-G ³ / ₄ " increasd safety metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ11-15mm
G	Two brass CZ0227/M25 × 1.5-G ³ / ₄ " increasd safety metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ11-15mm
H	One brass CZ0226/M25 × 1.5(G02) increasd safety metal cable gland (stopping boxes), two moulded plastic M25 × 1.5 stopping plugs	Φ11.5-16mm
I	Two brass CZ0226/M25 × 1.5(G02) increasd safety metal cable glands (stopping boxes), one moulded plastic M25 × 1.5 stopping plug	Φ11.5-16mm



CZ0865/2 × 14W, CZ0866/2 × 28W
Full plastic explosion-proof fluorescent light fittings (T5 energy saving type)

• Main technical data:

Ex mark: Ⓜ II 2GD Ex deq II C Gb T4 Ex tD A21 T 80 °C (No fuse fitted with)
Ⓜ II 2GD Ex deqmb II C Gb T4 Ex tD A21 T 80 °C (Fitted with fuse)

Intended use: Can be used in zone 1 and zone 2, Can be used in zone 21 and zone 22

Ambient temperature use: -25 °C ≤ Ta ≤ 40 °C

Degree of protection: IP66

Rated voltage: AC230V, AC110 ~ 240V (± 10%) 50/60Hz

Power factor: λ > 0.98

Energy efficiency index EEI=A2

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


Meet the standard: IEC60079 IEC61241 EN60079 EN61241

Conformity to: **CE**

Cable entry: Moulded plastic 1 × M25 × 1.5 cable gland, Outside diameter of cable: Φ8-17mm

Moulded plastic 2 × M25 × 1.5 stopping plugs

• Order specifications:

Illustration	Code of lampholder	Power	Current	Weight	Order No.
	G13 Two-pin lampholder	2 × 18W	max 0.2A	5kg	CZ0865 / 2 × 18W-□-B+□
		2 × 36W	max 0.39A	7.9kg	CZ0866 / 2 × 36W-□-B+□

CZ0865



CZ0866

1 — AC110 ~ 240V
NO — AC230V

Code of cable gland

Order No. of mounting accessories
(No matching not noted, see page 11-12)

Code	Specifications	Cable diameter
B	One moulded plastic M25 × 1.5 cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
C	One brass CZ0221/M25 × 1.5 metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
D	Two moulded plastic M25 × 1.5 cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
E	Two brass CZ0221/M25 × 1.5 metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
F	One brass CZ0227/M25 × 1.5-G ³ / ₄ " increasd safety metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ11-15mm
G	Two brass CZ0227/M25 × 1.5-G ³ / ₄ " increasd safety metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ11-15mm
H	One brass CZ0226/M25 × 1.5(G02) increasd safety metal cable gland (stopping boxes), two moulded plastic M25 × 1.5 stopping plugs	Φ11.5-16mm
I	Two brass CZ0226/M25 × 1.5(G02) increasd safety metal cable glands (stopping boxes), one moulded plastic M25 × 1.5 stopping plug	Φ11.5-16mm



CZ0865/2 × 14W YJ, CZ0866/2 × 28W YJ
Full plastic explosion-proof emergency fluorescent light fittings (T5 energy saving type)

• Main technical data:

Ex mark: Ⓜ II 2GD Ex deqmb II C Gb T4 Ex tD A21 T 80 °C
Intended use: Can be used in zone 1 and zone 2, Can be used in zone 21 and zone 22
Ambient temperature use: -25 °C ≤ Ta < 40 °C
Degree of protection: IP66
Rated voltage: AC230V, AC110 ~ 240V (± 10%) 50/60Hz
Power factor: λ > 0.98
Energy efficiency index EEI=A2
Recharging time: 24 h
Emergency starting time: 0.1 (S)
Emergency illuminating time: > 120 (min)
Terminals: L1, L2, L, N, PE, each terminal 2 × 1.5-10mm²
Meet the standard: IEC60079 IEC61241 EN60079 EN61241
Conformity to: **CE**
Cable entry: Moulded plastic 1 × M25 × 1.5 cable gland, Outside diameter of cable: Φ8-17mm
Moulded plastic 2 × M25 × 1.5 stopping plugs

**CZ -0866 2 X 28W
ATEX**

• Order specifications:

Illustration	Code of lampholder	Normal illumination	Emergency illumination	Weight	Order No.
	G5 Two-pin lampholder	2 × 14W	1 × 14W	6.8kg	CZ0865 / 2 × 14W-□ YJ-B+□
		2 × 28W	1 × 28W	9.9kg	CZ0866 / 2 × 28W-□ YJ-B+□

CZ0865



CZ0866

1 — AC110 ~ 240V
NO — AC230V

Code of cable gland

Order No. of mounting accessories
(No matching not noted), see page 11-12

Code	Specifications	Cable diameter
B	One moulded plastic M25 × 1.5 cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
C	One brass CZ0221/M25 × 1.5 metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
D	Two moulded plastic M25 × 1.5 cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
E	Two brass CZ0221/M25 × 1.5 metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
F	One brass CZ0227/M25 × 1.5-G ^{3/4} " increasd safety metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ11-15mm
G	Two brass CZ0227/M25 × 1.5-G ^{3/4} " increasd safety metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ11-15mm
H	One brass CZ0226/M25 × 1.5(G02) increasd safety metal cable gland (stopping boxes), two moulded plastic M25 × 1.5 stopping plugs	Φ11.5-16mm
I	Two brass CZ0226/M25 × 1.5(G02) increasd safety metal cable glands (stopping boxes), one moulded plastic M25 × 1.5 stopping plug	Φ11.5-16mm



CZ0865/2 × 18W YJ, CZ0866/2 × 36W YJ
Full plastic explosion-proof emergency fluorescent light fittings (T8 type)

• Main technical data:

Ex mark: Ⓜ II 2GD Ex deqmb II C Gb T4 Ex tD A21 T 80 °C
Intended use: Can be used in zone 1 and zone 2, Can be used in zone 21 and zone 22
Ambient temperature use: -25 °C ≤ Ta < 40 °C
Degree of protection: IP66
Rated voltage: AC230V, AC110 ~ 240V (± 10%) 50/60Hz
Power factor: λ > 0.98
Energy efficiency index EEI=A2
Recharging time: 24 h
Emergency starting time: 0.1 (S)
Emergency illuminating time: > 120 (min)
Terminals: L1, L2, L, N, PE, each terminal 2 × 1.5-10mm²
Meet the standard: IEC60079 IEC61241 EN60079 EN61241
Conformity to: **CE**
Cable entry: Moulded plastic 1 × M25 × 1.5 cable gland, Outside diameter of cable: Φ8-17mm
Moulded plastic 2 × M25 × 1.5 stopping plugs

**CZ 0866 - 2 X 36WATT
ATEX**

• Order specifications:

Illustration	Code of lampholder	Normal illumination	Emergency illumination	Weight	Order No.
	G13 Two pin lampholder	2 × 18W	1 × 18W	6.8kg	CZ0865 / 2 × 18W-□ YJ-B+□
		2 × 36W	1 × 36W	9.9kg	CZ0866 / 2 × 36W-□ YJ-B+□

CZ0865



CZ0866

1 — AC110 ~ 240V
NO — AC230V

Code of cable gland

Order No. of mounting accessories
(No matching not noted), see page 11-12







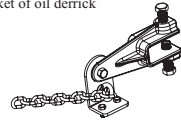




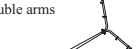
Code	Specifications	Cable diameter
B	One moulded plastic M25 × 1.5 cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
C	One brass CZ0221/M25 × 1.5 metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
D	Two moulded plastic M25 × 1.5 cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
E	Two brass CZ0221/M25 × 1.5 metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
F	One brass CZ0227/M25 × 1.5-G ^{3/4} " increasd safety metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ11-15mm
G	Two brass CZ0227/M25 × 1.5-G ^{3/4} " increasd safety metal cable glands, one moulded plastic M25 × 1.5 stopping plug	Φ11-15mm
H	One brass CZ0226/M25 × 1.5(G02) increasd safety metal cable gland (stopping boxes), two moulded plastic M25 × 1.5 stopping plugs	Φ11.5-16mm
I	Two brass CZ0226/M25 × 1.5(G02) increasd safety metal cable glands (stopping boxes), one moulded plastic M25 × 1.5 stopping plug	Φ11.5-16mm



CZ0865, CZ0866

Full plastic explosion-proof (emergency) fluorescent light fittings

• Accessories of mounting:



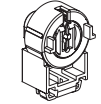
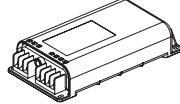
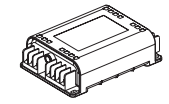
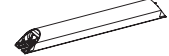
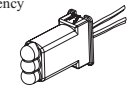

Illustration	Descriptions	Unit	Order No.
	Material: Fine quality steel with galvanized surface	Set	D621
	Material: 304 stainless steel	Set	D621/304
	Φ7 Mounting holes for user to mount	Set	D622
	M8 Expansion suspension hook bolt for user to mount	Set	D623
	M8 bolt for user to mount Material: Fine quality steel with sprayed plastic surface	Set	D624
	Metal earthing nut 2-M25 × 1.5	Set	D8714/2-M25
	G1 1/4" Φ42 ~ 45mm Material: Fine quality steel with galvanized surface	Set	J200
	G1 1/4" Φ42 ~ 45mm Material: Stainless steel	Set	J200/304
	G1 1/2" Φ47 ~ 50mm Material: Fine quality steel with galvanized surface	Set	J300
	G1 1/2" Φ47 ~ 50mm Material: Stainless steel	Set	J300/304
	G2" Φ59 ~ 62mm Material: Fine quality steel with galvanized surface	Set	J400
	G2" Φ59 ~ 62mm Material: Stainless steel	Set	J400/304
	Use for bracket type mounting type, fitted with anti-slip chain, regulatable angle	Set	D8730/1
	Used for 14W, 18W fluorescent light fittings	Set	D8709/1
	Used for 28W, 36W fluorescent light fittings	Set	D8709/2
	Used for 14W, 18W fluorescent light fittings	Set	D8710/1
	Used for 28W, 36W fluorescent light fittings	Set	D8710/2
	Used for 14W, 18W fluorescent light fittings	Set	D8711/1
	Used for 28W, 36W fluorescent light fittings	Set	D8711/2
	Used for 14W, 18W fluorescent light fittings	Set	D8712/1
	Used for 28W, 36W fluorescent light fittings	Set	D8712/2
	Used for 14W, 18W fluorescent light fittings	Set	D8713/1
	Used for 28W, 36W fluorescent light fittings	Set	D8713/2



CZ0865, CZ0866

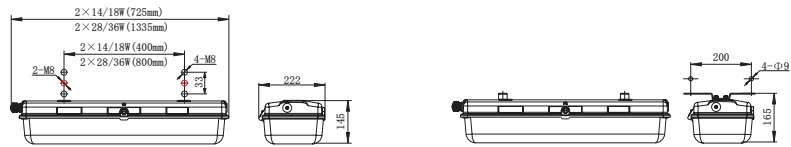
Full plastic explosion-proof (emergency) fluorescent light fittings

• Spare parts:

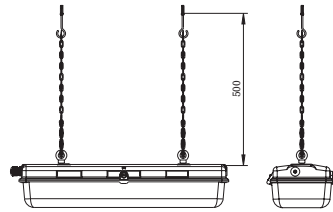
Illustration	Descriptions	Unit	Order No.		
	Used for CZ0865、CZ0866, Material: Fine quality steel with galvanized surface	Set	D601		
	Type of protection: Ex de IIC, Contact: 2NC (2NC)	Piece	CZ0207-1		
	Explosion-roof G5 lampholder, used for T5 fluorescent lamp tube of energy saving type	Piece	CZ0403/G5		
	Explosion-roof G13 lampholder, used for T8 fluorescent lamp tube of energy saving type	Piece	CZ0403/G13		
	Power: 2 × 14W, Used for T5 energy saving type fluorescent light fittings Type of protection: Ex eq II Gb	AC230V	Piece	CZ0818/2 × 14W	
		AC110~240V	Piece	CZ0818/2 × 14W-1	
	Power: 2 × 28W, Used for T5 energy saving type fluorescent light fittings	AC230V	Piece	CZ0818/2 × 28W	
		AC110~240V	Piece	CZ0818/2 × 28W-1	
	Power: 2 × 18W, Used for T8 energy saving type fluorescent light fittings	AC230V	Piece	CZ0818/2 × 18W	
		AC110~240V	Piece	CZ0818/2 × 18W-1	
	Power: 2 × 36W, Used for T8 energy saving type fluorescent light fittings	AC230V	Piece	CZ0818/2 × 36W	
		AC110~240V	Piece	CZ0818/2 × 36W-1	
		Emergency power: 1 × 18W, 1 × 14W	AC230V	Piece	CZ0818/1 × 18W(14W) YJ
			AC110~240V	Piece	CZ0818/1 × 18W(14W)-1 YJ
		Emergency power: 1 × 36W, 1 × 28W	AC230V	Piece	CZ0818/1 × 36W(28W) YJ
			AC110~240V	Piece	CZ0818/1 × 36W(28W)-1 YJ
	Type of protection: Ex e II, 4.5Ah/6V	Set	CZ0819/4.5Ah 6V		
	Type of protection: Ex e II, 4.5Ah/7.2V	Set	CZ0819/4.5Ah 7.2V		
	Type of protection: Ex mb II Gb Three colors for LED: red, yellow, green	Set	CZ0802/1		
	Type of protection: Ex mbe II Gb, 0.5A	Piece	CZ0804 / T0.5A		
	Type of protection: Ex mbe II Gb, 5A	Piece	CZ0804 / T5A		



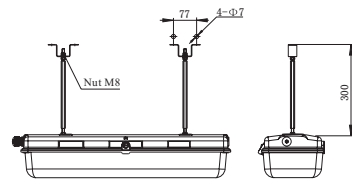
• Mounting ways and outline dimensions:



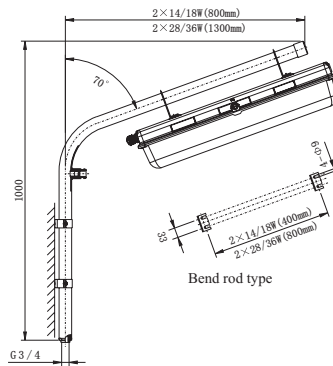
Ceiling type



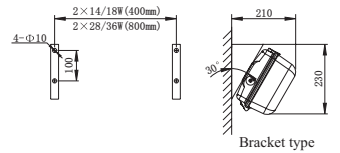
Chain type



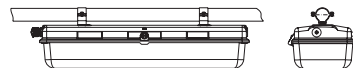
Pendant type



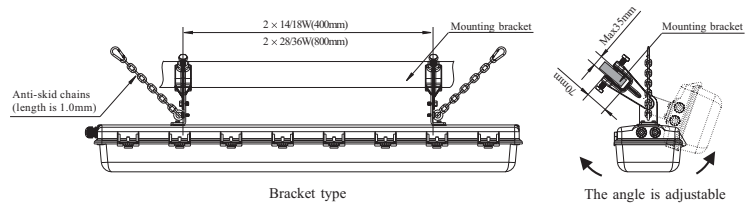
Bend rod type



Bracket type



Clamp type

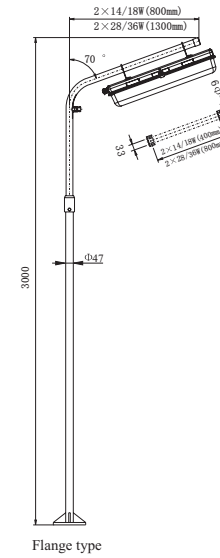


Bracket type

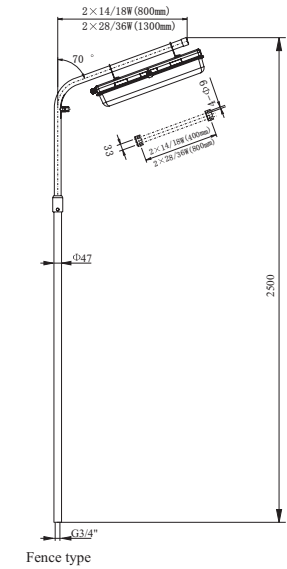
The angle is adjustable



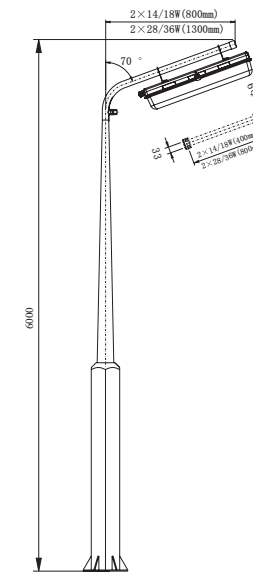
• Mounting ways and outline dimensions:



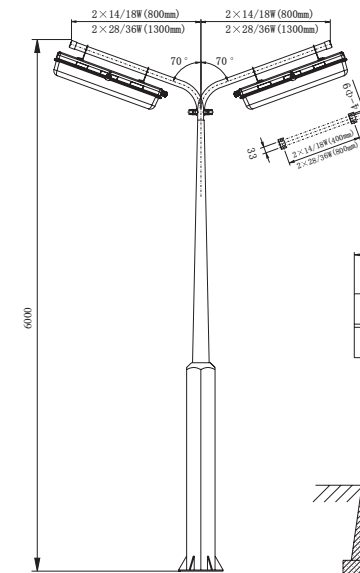
Flange type



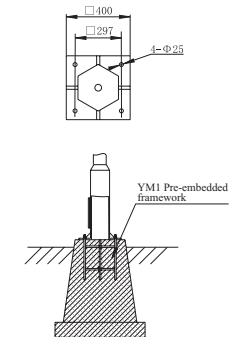
Fence type



Street light pole of single arm



Street light pole of double arms



Base street of light concrete diagram