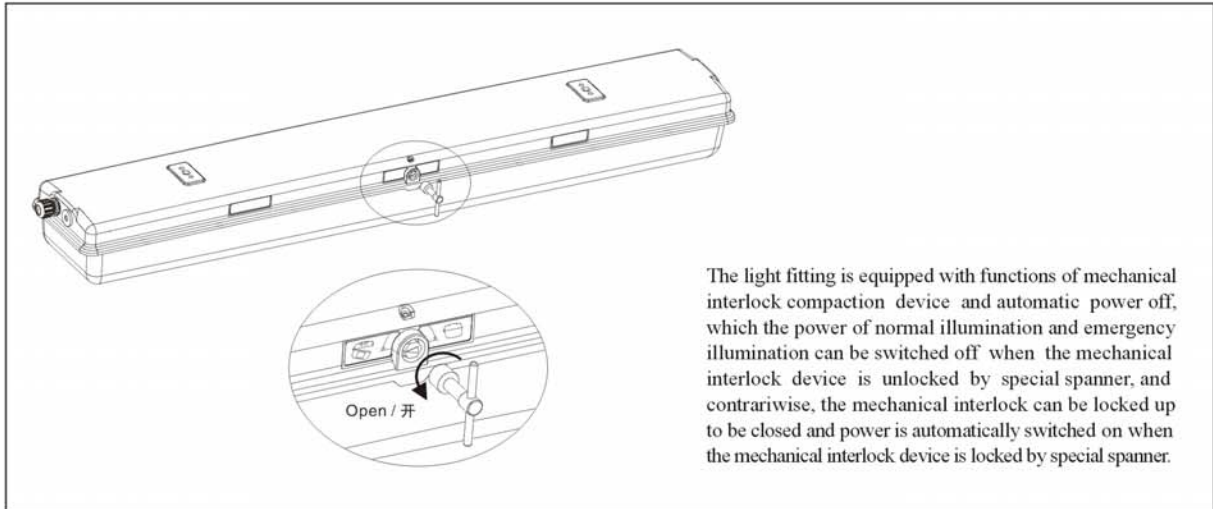## Descriptions:

The enclosures of full plastic explosion-proof (emergency) fluorescent light fittings (pole mounting) 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 or offshore platform 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 (pole mounting).

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.
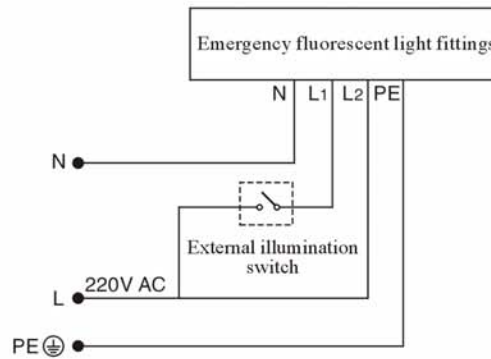
 ▶ Full plastic explosion-proof fluorescent light fittings mounting ways: Ceiling type, chain type, pendant type, wall type and clamp type.
 ▶ Full plastic explosion-proof fluorescent light fittings mounting ways: Platform fence type, platform flange type, street lamp type.

 ● 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 abnormity of lamp tube;
 ● The emergency type has the indication of fault signal, the charging signal, the discharging signal.
 ● International IECEx Approval, Europe union ATEX Approval.

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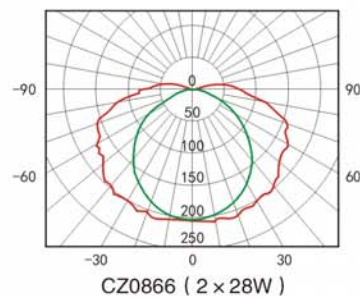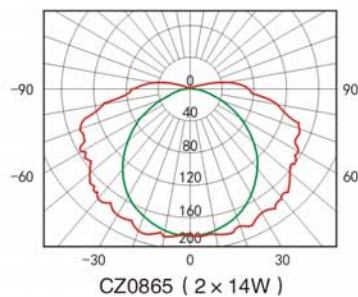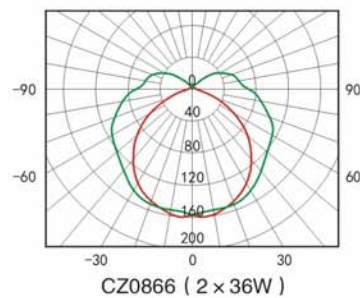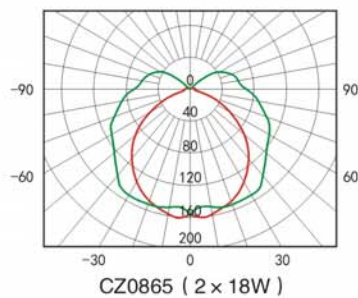● Diagram:

The light fitting is equipped with functions of mechanical interlock compaction device and automatic power off, which the power of normal illumination and emergency illumination can be switched off when the mechanical interlock device is unlocked by special spanner, and contrariwise, the mechanical interlock can be locked up to be closed and power is automatically switched on when the mechanical interlock device is locked by special spanner.

Open / 开

● Mounting circuit diagram for emergency light fittings:

Emergency fluorescent light fittings

N L1 L2 PE

N ●

External illumination switch

L ● 220V AC

PE ⏚ ●

● Luminous intensity distribution curve: —— C0/180 —— C90/270

Luminous intensity unit: cd/1000 lm

CZ0865（2×18W）

CZ0866（2×36W）

CZ0865（2×14W）

CZ0866（2×28W）

Zone 1 and zone 2   Zone 21 and zone 22

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● Diagram:

1

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● Product characteristics：

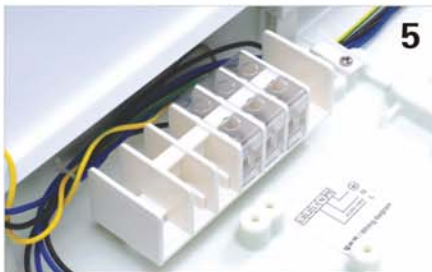Explosion-proof lampholder of Ex e II (Two-pin) G5, G13.

The Ex e enclosure is has the foaming sealing ring to ensure the protection degree is IP66.

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

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.

Explosion-proof terminal module of Ex e II.

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 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.

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

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● Diagram：
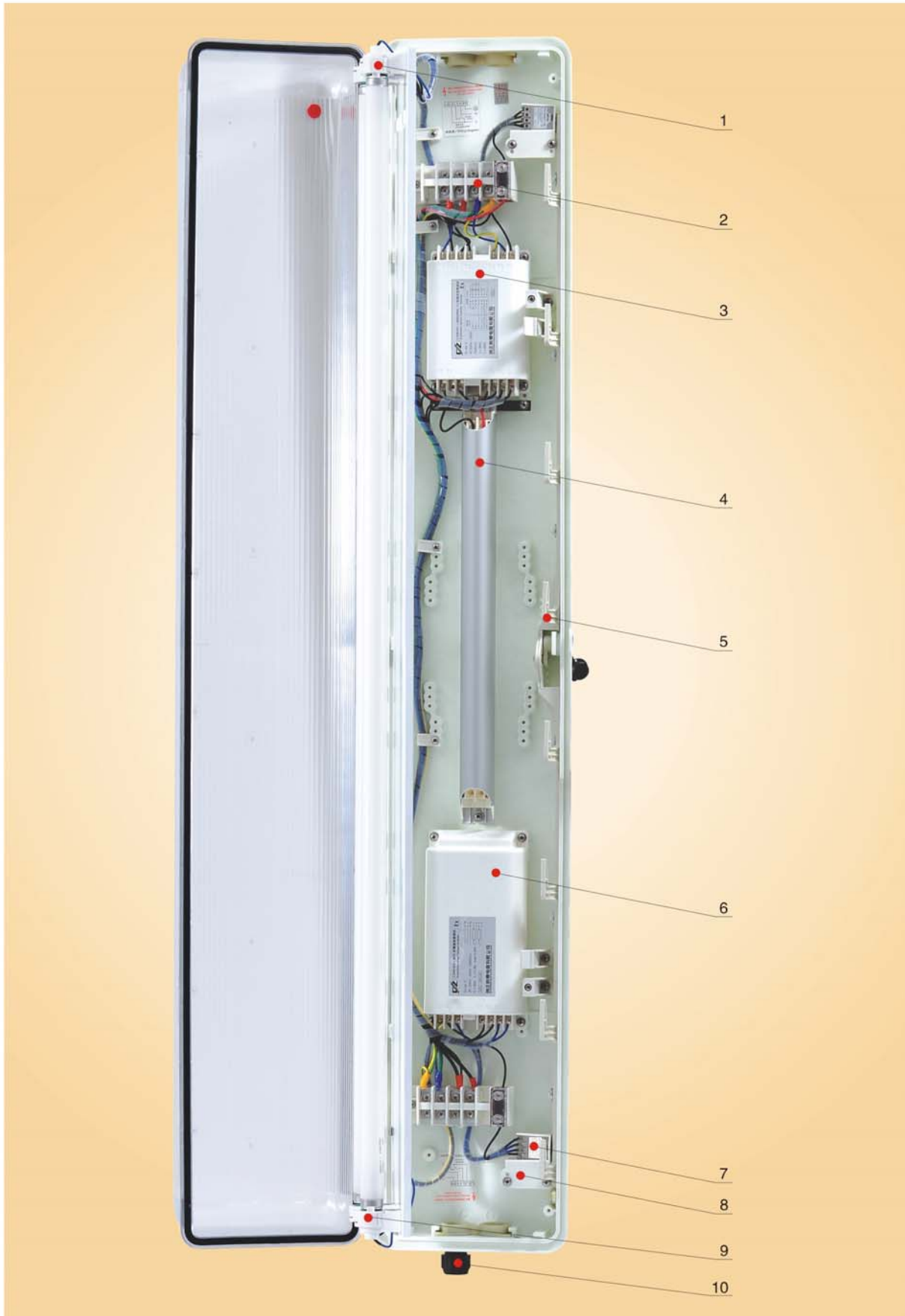
● Product characteristics：

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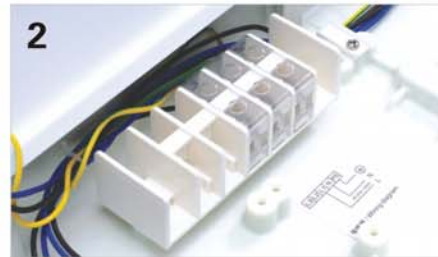
Explosion-proof terminal module of Ex e II.

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.

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Main technical data:

Certification	Ex mark | Meet the standard	
China (PCEC Ex)	Ex deq II C T4 Gb DIP A21 T$_A$,T6 (Product without fuse)	GB3836 GB12476
China (PCEC Ex)	Ex deqmb II C T4 Gb DIP A21 T$_A$,T6 (Product with fuse)	GB3836 GB12476
IECEx	Ex deq II C T4 Gb Ex tD A21 T 80℃ (Product without fuse)	IEC60079
IECEx	Ex deqmb II C T4 Gb Ex tD A21 T 80℃ (Product with fuse)	IEC60079
ATEX	⟨Ex⟩ II 2GD Ex deq II C T4 Gb Ex tD A21 T 80℃ (Product without fuse)	EN60079
ATEX	⟨Ex⟩ II 2GD Ex deqmb II C T4 Gb Ex tD A21 T 80℃ (Product with fuse)	EN60079

Intended use: Can be used in zone 1 and zone 2, Can be used in zone 21 and zone 22
Ambient temperature use:-25℃ ≤ Ta ≤ 40℃
Degree of protection: IP66
Rated voltage: 110 ~ 240V AC(± 10%)   50/60Hz
Power factor: λ > 0.98
Energy efficiency index EEI=A2
Terminals: L、 N、 PE, each terminal 2×1.5-10mm^2
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	Lamp tube	Power	Current	Weight	Order No.
	G5 Two-pin lampholder	T5 Type	2×14W	Max 0.16A	5kg	**CZ0865 / 2 × 14W–1–B+□**
			2×28W	Max 0.33A	7.9kg	**CZ0866 / 2 × 28W–1–B+□**
	G13 Two-pin lampholder	T8 Type	2×18W	Max 0.2A	5kg	**CZ0865 / 2 × 18W–1–B+□**
			2×36W	Max 0.39A	7.9kg	**CZ0866 / 2 × 36W–1–B+□**
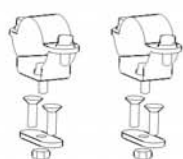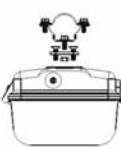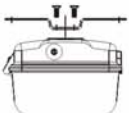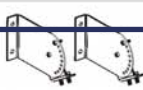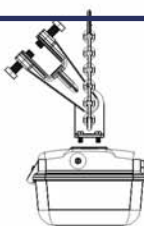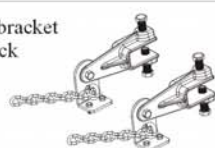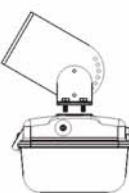
Code of cable gland ◄

Order No.of mounting accessories ◄
(No matching not noted), see page 63

Code of cable gland

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

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● Accessories of mounting:

Illustration	Descriptions		Unit	Order No.
Accessories for pendant type			Set	**D622**
Accessories for chain type			Set	**D623**
Accessories for clamp type M8 bolt mounting		G1¼" Φ42mm Steel	Set	**J200**
		G1¼" Φ42mm Stainless steel	Set	**J200/304**
		G1½" Φ48mm Steel	Set	**J300**
		G1½" Φ48mm Stainless steel	Set	**J300/304**
		G2" Φ60mm Steel	Set	**J400**
		G2" Φ60mm Stainless steel	Set	**J400/304**
Support for ceiling type		Steel	Set	**D621**
		Stainless steel	Set	**D621/304**
Adjustable mounting bracket			Set	**D8738**
Mounting bracket of oil derrick			Set	**D8730/1**
Lamp pole of wall type		Used for CZ0865 fluorescent light fittings	Set	**D8709/1A**
		Used for CZ0866 fluorescent light fittings	Set	**D8709/2A**
Lamp pole of fence type		Used for CZ0865 fluorescent light fittings	Set	**D8710/1A**
		Used for CZ0866 fluorescent light fittings	Set	**D8710/2A**
Lamp pole of flange type		Used for CZ0865 fluorescent light fittings	Set	**D8711/1A**
		Used for CZ0866 fluorescent light fittings	Set	**D8711/2A**
Wall mounting bracket of pole type		Use for pole mounting fluorescent light fittings	Set	**D8739**
Lamp pole of fence type		Use for pole mounting fluorescent light fittings	Set	**D8740**
Lamp pole of flange type			Set	**D8741**
Lamp pole of fence type			Set	**D8705**
Lamp pole of flange type			Set	**D8706**
Mounting bracket		Used for CZ0865 fluorescent light fittings	Set	**D8742/1**
		Used for CZ0866 fluorescent light fittings	Set	**D8742/2**