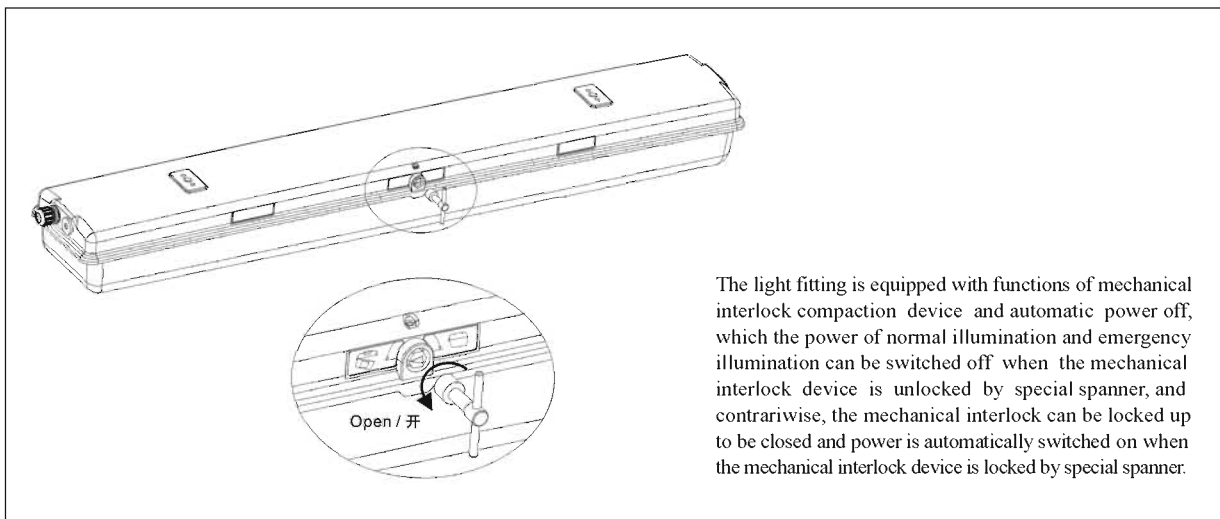## Descriptions:

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).
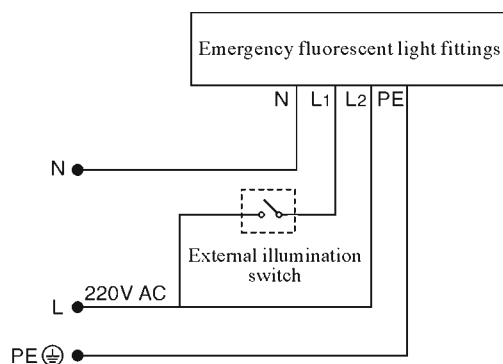
The explosion-proof electronic ballast, explosion-proof inverter, explosion-proof fuse, explosion-proof indicator lamp, and high temperature resistance explosion-proof battery etc. are mounted inside of the full plastic explosion -proof emergency fluorescent light fittings .The light fitting can be automatically 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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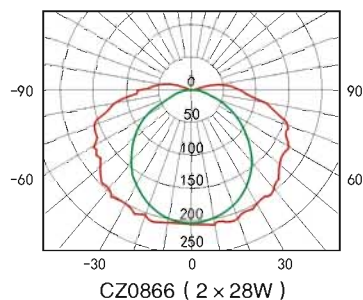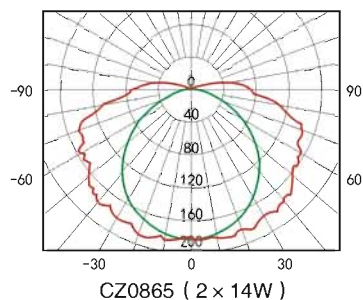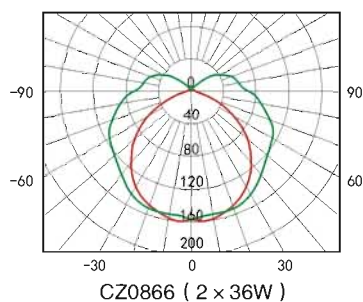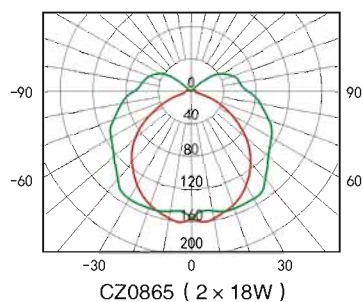- Diagram:

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.

- Mounting circuit diagram for emergency light fittings:

- 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

● Diagram：

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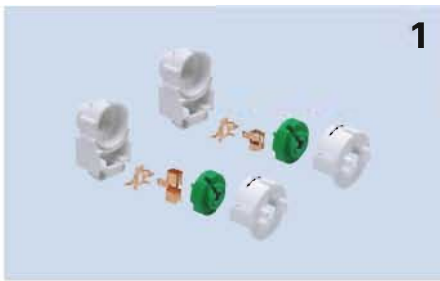
Explosion-proof lampholder of Ex e II (Two-pin) G5, G13.

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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- **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: $\lambda > 0.98$
Energy efficiency index EEI=A2
Terminals: L、N、PE, each terminal 2×1.5-10mm²
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+☐**
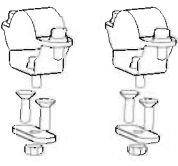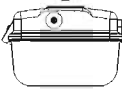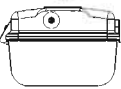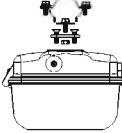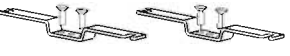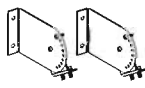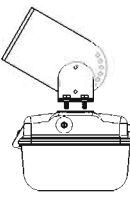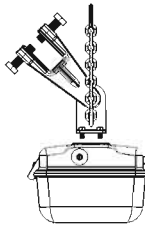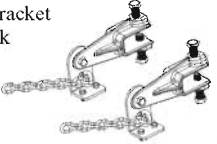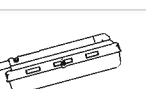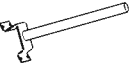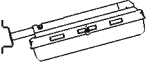
Code of cable gland ◄

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

- **Code of cable gland**

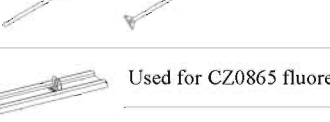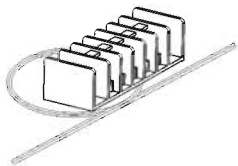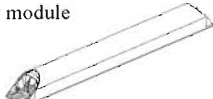| Code	Specifications	Cable diameter
B	One moulded plastic M25 × 1.5 cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
C	One brass CZ0221/M25 × 1.5 metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ8-17mm
D	Two moulded plastic M25 × 1.5 cable glands, one moulded plastic 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$\frac{3}{4}$″ increasd safety metal cable gland, two moulded plastic M25 × 1.5 stopping plugs	Φ11-15mm
G	Two brass CZ0227/M25 × 1.5-G$\frac{3}{4}$″ 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**

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● Spare parts:

| Illustration	Descriptions		Unit	Order No.
Earthing nut	Metal earthing nut 2-M25 × 1.5		Set	**D8714/2–M25**
Explosion-proof fuse module	Type of protection: Ex emb IIC Gb	0.2A	Piece	**CZ0804 / T0.2A**
		0.4A	Piece	**CZ0804 / T0.4A**
		0.8A	Piece	**CZ0804 / T0.8A**
		5A	Piece	**CZ0804 / T5A**
Explosion-proof isolation switch module	Type of protection: Ex de IIC, Contact：2NC (2NC)		Piece	**CZ0207–1**
With conductor terminal board	3P terminal, Conductor 3 × 2.5mm², max16A, L1+N+PE	14W/18W	Set	**305/21**
		28W/36W	Set	**305/22**
	4P terminal, Conductor 3 × 2.5mm², max16A, L1+L2+N+PE	14W/18W	Set	**305/31**
		28W/36W	Set	**305/32**
Explosion-proof lampholder Type of protection: Ex e II	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**
Explosion-proof ballast module	Power: 2×14W, Used for T5 energy saving type fluorescent light fittings	AC110~240V	Piece	**CZ0818/2 × 14W–1**
	Power: 2×28W, Used for T5 energy saving type fluorescent light fittings	AC110~240V	Piece	**CZ0818/2 × 28W–1**
	Power: 2×18W, Used for T8 energy saving type fluorescent light fittings	AC110~240V	Piece	**CZ0818/2 × 18W–1**
Type of protection: Ex eq II Gb	Power: 2×36W, Used for T8 energy saving type fluorescent light fittings	AC110~240V	Piece	**CZ0818/2 × 36W–1**
Explosion-proof inverter module Type of protection: Ex eq II Gb	Emergency power: 1×18W, 1 × 14W	AC110~240V	Piece	**CZ0818/1 × 18W(14W)–1 YJ**
	Emergency power: 1×36W, 1 × 28W	AC110~240V	Piece	**CZ0818/1 × 36W(28W)–1 YJ**
Explosion-proof battery module	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**
Explosion-proof emergency indicator module	Type of protection: Ex mb II Gb Three colors for LED: red, yellow, green		Set	**CZ0802/1**
M8/SW13 Sleeve spanner	Used for CZ0865、CZ0866, Material: Fine quality steel with galvanized surface		Set	**D601**

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● Mounting ways and outline dimensions:
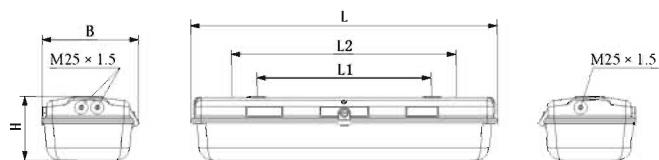
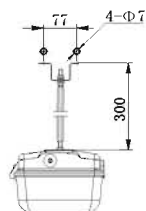Full plastic explosion-proof (emergency) fluorescent light fittings

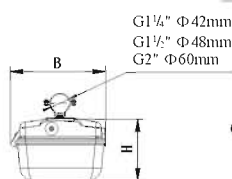| Type	CZ0865 2×14W(18W)	CZ0866 2×28W(36W)
L	698	1310
L1	400	800
L2	550	1100
L3	470	870
L4	800	1300
B	222	222
H	145	145
H1	2510	2510
H2	2500	2500
H3	1050	1050
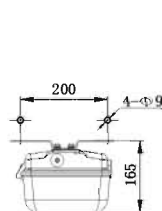
Ceiling type   Chain type   Pendant type   Clamp type

G1¼" Φ42mm
G1½" Φ48mm
G2" Φ60mm

Adjustable mounting bracket

Anti-skid chains (length is 1.0mm)
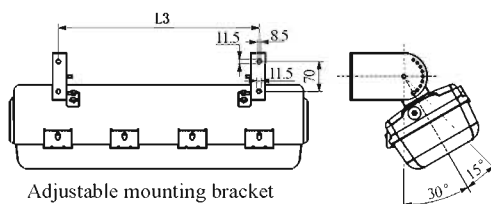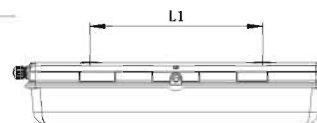
Mounting bracket

Oil derrick type
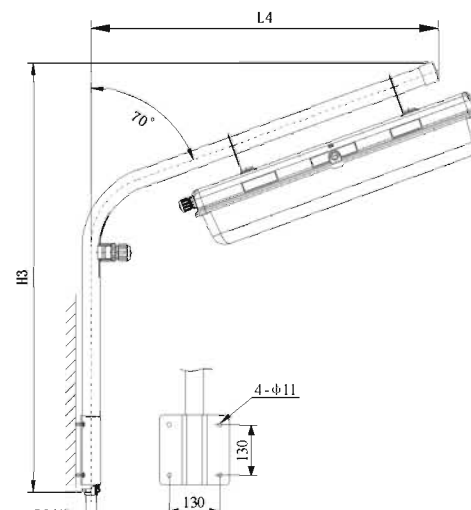
Max35mm

Mounting bracket

70mm
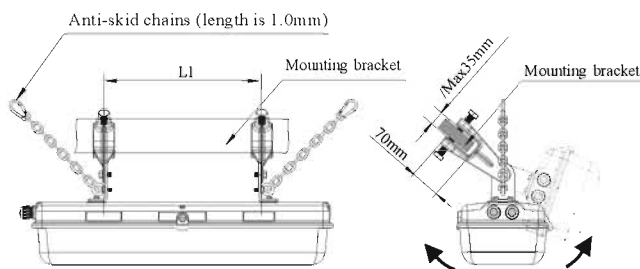
The angle is adjustable
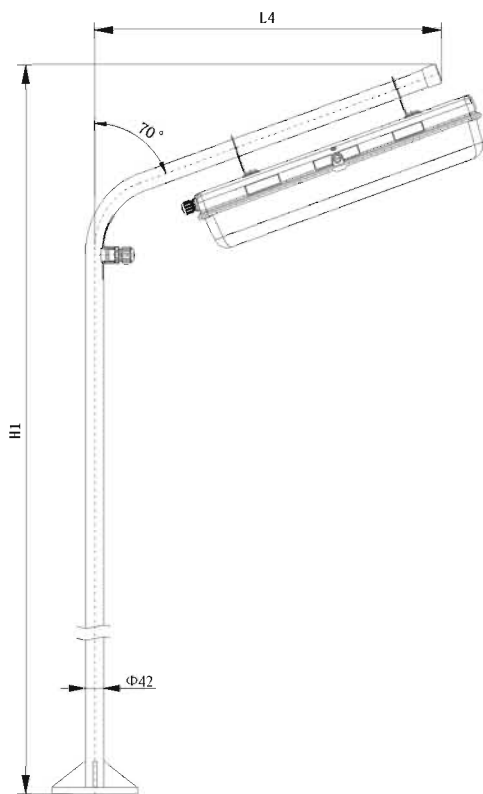
Flange type
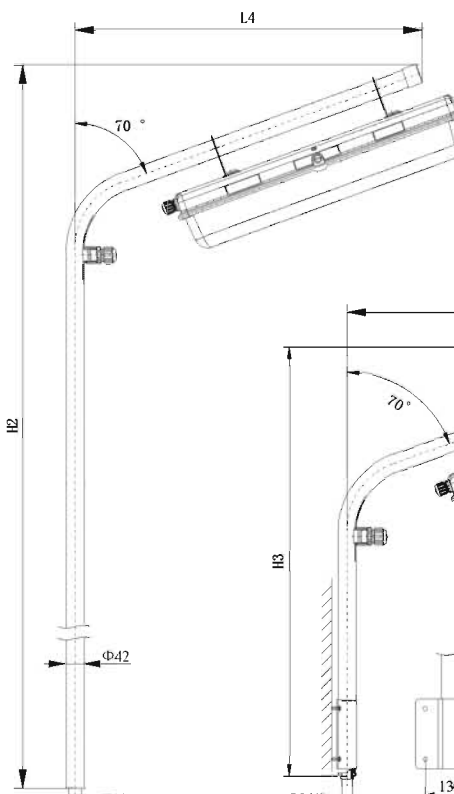
Fence type

Wall type

● Mounting ways and outline dimensions:

D8742/□ Mounting bracket

D8705 Lamp pole of fence type

Φ47

Fence type

166

CZ0875(698mm)
CZ0876(1310mm)

2885

Φ47

D8706 Lamp pole of flange type

Flange type

L
621
222
216
M25×1.5
400
Φ45
Φ42

Full plastic explosion-proof (emergency) fluorescent light fittings
(Pole Mounting)
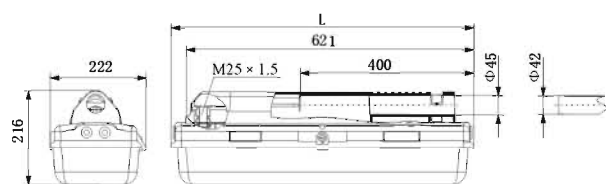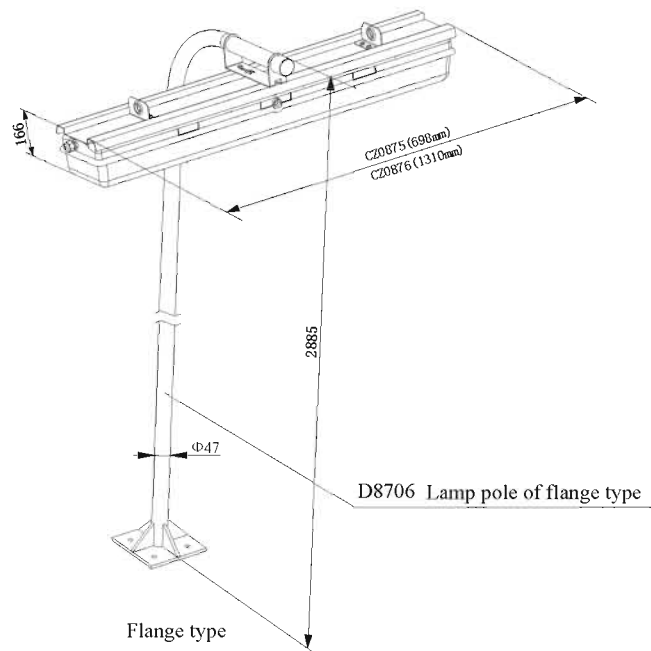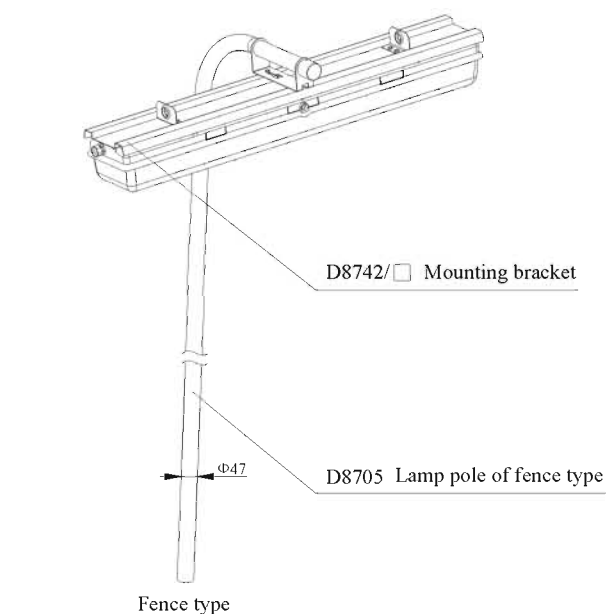
Type	L	L1	L2	H1	H2
CZ0865/2×14W(18W)	698	850	815	2635	2645
CZ0866/2×28W(36W)	1310	1440	1405	2740	2750

L1
110
80
195
160
10.5
15
75°

D8739 Wall mounting bracket of pole type

L2
75°
H1

D8740 Lamp pole of fence type
Φ42

Fence type

L2
75°
H2

D8741 Lamp pole of flange type
Φ42

Flange type