



Descriptions:

The enclosures of full plastic explosion-proof LED (emergency) linear 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 sealing gasket between the enclosure and the transparent parts are compacted by the interlock device. The position switches are operated by the interlock devices. When the position switches is switched off, the cover can be opened. The internal configuration independent certification of Explosion-proof power supply module, explosion-proof inverter module, With the function of constant current output and over temperature protection function. LED light source module adopts the latest LED high photosynthetic efficiency particles, the luminous intensity and color rendering performance are excellent. Used for illuminating in the circuit of 100-250V AC, 50/60Hz. Suitable for explosive gas and dust environment do as the ordinary lighting or Emergency lighting.

- ▶ Full plastic Explosion-proof LED linear light fittings mounting ways: Ceiling type, Chain type, Pendant type, Wall type and Clamp type.
- ▶ Full plastic Explosion-proof LED linear light fittings (pole mounting) mounting ways: Platform fence type, Platform flange type, Wall type.
- The structural design is never distortion and its protection degree is up to IP66.
- With interlock device, the transparent parts and enclosure can not energize to work to ensure safe use before completely close.
- The emergency type has the indication of fault signal, the charging signal, the discharging signal.
- International IECEx Approval, Europe union ATEX Approval.



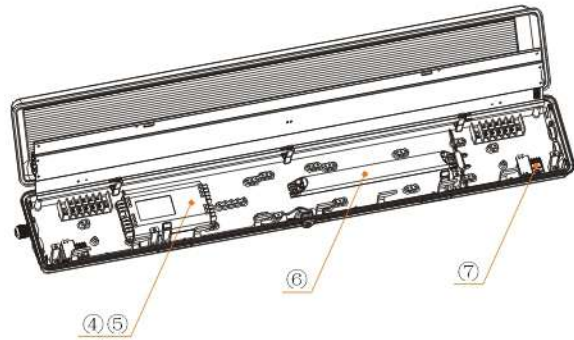
Zone 1 and zone 2 Zone 21 and zone 22

● Diagram:



CZ0866/2 × LED 30W
Full plastic explosion-proof LED linear light fittings

- ① LED light source module
- ② Diffuser (optional)
- ④ Explosion-proof power supply module
- ⑦ Explosion-proof isolation switches

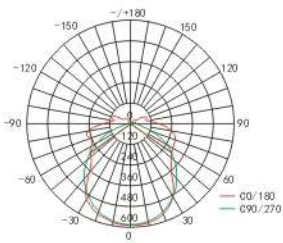


CZ0866/2 × LED 30W YJ
Full plastic explosion-proof LED (emergency) linear light fittings

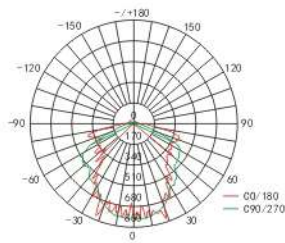
- ① Led light source module
- ② Diffuser
- ③ Explosion-proof Indicator light
- ⑤ Explosion-proof inverter
- ⑥ Explosion-proof battery
- ⑦ Explosion-proof isolation switches

● Luminous intensity distribution curve:

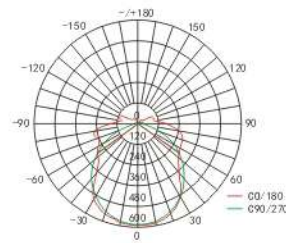
Luminous intensity unit: cd



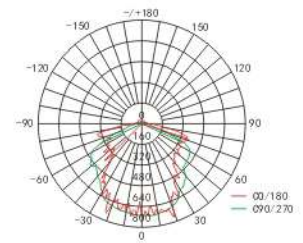
The average beam angle (50%) : 108.9°
CZ0865-LED30W (With diffuser)



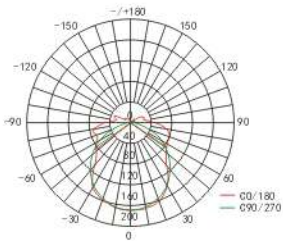
The average beam angle (50%) : 112.2°
CZ0865-LED30W (Without diffuser)



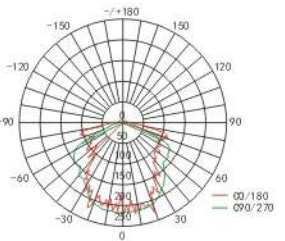
The average beam angle (50%) : 108.9°
CZ0865-LED30W-YJ (With diffuser)



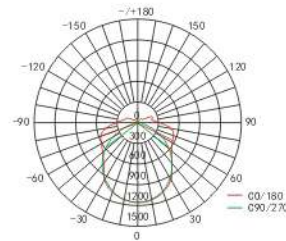
The average beam angle (50%) : 123.0°
CZ0865-LED30W-YJ (Without diffuser)



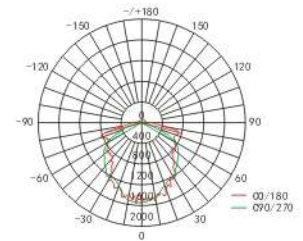
The average beam angle (50%) : 108.2°
CZ0865/LED30W-YJ



The average beam angle (50%) : 123.2°
CZ0865/LED30W-YJ



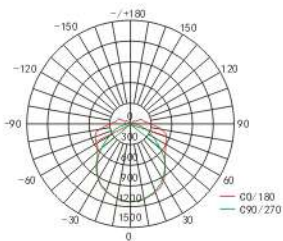
The average beam angle (50%) : 118.5°
CZ0866-2 × LED30W (With diffuser)



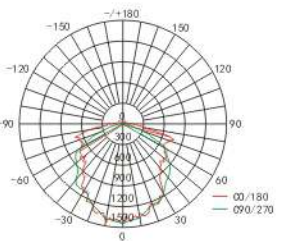
The average beam angle (50%) : 133.5°
CZ0866-2 × LED30W (Without diffuser)

With diffuser emergency illumination

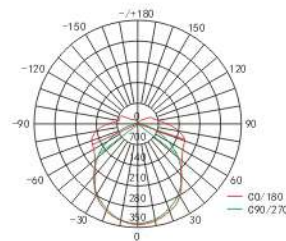
Without diffuser emergency illumination



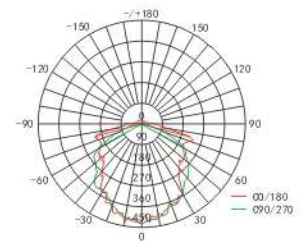
The average beam angle (50%) : 117.8°
CZ0866/2 × LED30W-YJ
(With diffuser)



The average beam angle (50%) : 126.4°
CZ0866/2 × LED30W-YJ
(Without diffuser)



The average beam angle (50%) : 120.4°
CZ0866-2 × LED30W
(With diffuser emergency illumination)



The average beam angle (50%) : 134.8°
CZ0866-2 × LED30W-YJ
(Without diffuser emergency illumination)



• Main technical data:

Certification | Ex mark | Meet the standard

China: CE17.5005X	Ex de mb op is q II C T5/T4 Ex tD A21 IP66 T80°C (Product with isolation switch)	GB3836 GB12476
IECEX: IECEX CML 16.0116X	Ex db eb mb op is q II C T5/T4 Gb Ex tb III C T80°C Db (Product with isolation switch)	IEC60079
ATEX: CML 16ATEX1342X	II 2 G D Ex db eb mb op is q II C T5/T4 Gb Ex tb III C T80°C Db (Product with isolation switch)	EN60079

Intended use: Can be used in zone 1 and zone 2

Can be used in zone 21 and zone 22

Ambient temperature use T5 at -25°C ≤ Ta ≤ +40°C

T4 at -25°C ≤ Ta ≤ +55°C

Degree of protection: IP66 (IP64 with breather CZ0527)

Rated voltage: 100~250V AC

Color temperature: 5700K

Color rendering index: Ra ≥ 80

Power factor: λ > 0.95

 Terminals: L1, L2, L, N, PE, each terminal 2×1.5-1.0mm²

Cable entry: Moulded plastic 1×M25×1.5 cable gland,

Outside diameter of cable: Φ8-17mm

Moulded plastic 2×M25×1.5 stopping plugs

Pole mounting:

Moulded plastic 1×M25×1.5 cable gland,

Outside diameter of cable: Φ8-17mm

• Order specifications of full plastic explosion-proof LED linear light fittings :

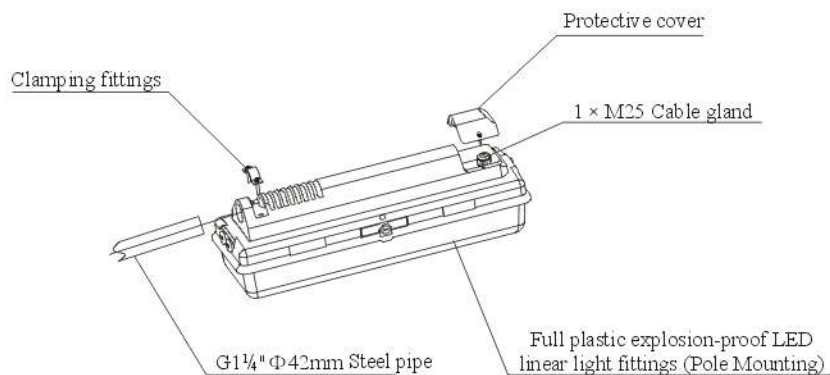
Illustration	Power of light source	Luminous flux	Current	Weight	Order No.
	1×LED 30W Without diffuser	2516	Max 0.17A	5.5kg	CZ0865 / 1 × LED30W1-K-B+ <input type="checkbox"/>
	1×LED 30W With diffuser	2050	Max 0.17A	5.6kg	CZ0865 / 1 × LED30W2-K-B+ <input type="checkbox"/>
	2×LED 30W Without diffuser	4959	Max 0.3A	8.9kg	CZ0866 / 2 × LED30W1-K-B+ <input type="checkbox"/>
	2×LED 30W With diffuser	4023	Max 0.3A	9.1kg	CZ0866 / 2 × LED30W2-K-B+ <input type="checkbox"/>
Code of cable gland ←					
Order No. of mounting accessories ← (No matching not noted), see page G04					

• Order specifications of full plastic explosion-proof LED linear light fittings (Pole Mounting) :

Illustration	Power of light source	Luminous flux	Current	Weight	Order No.
	1×LED 30W Without diffuser	2516	Max 0.17A	7.2kg	CZ0865 / 1 × LED30W1-K-PM+ <input type="checkbox"/>
	1×LED 30W With diffuser	2050	Max 0.17A	7.3kg	CZ0865 / 1 × LED30W2-K-PM+ <input type="checkbox"/>
	2×LED 30W Without diffuser	4959	Max 0.3A	10.6kg	CZ0866 / 2 × LED30W1-K-PM+ <input type="checkbox"/>
	2×LED 30W With diffuser	4023	Max 0.3A	10.8kg	CZ0866 / 2 × LED30W2-K-PM+ <input type="checkbox"/>
Order No. of mounting accessories ← (No matching not noted), see page G04					

• 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 bozes), 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

• Diagram of pole mounting:


• Main technical data:
Certification | Ex mark | Meet the standard

China: CE17.5005X	Ex d e mb op is q II C T4 Ex tD A21 IP66 T80°C (Product with isolation switch and fuse)	GB3836 GB12476
IECEX: IECEX CML 16.0116X	Ex db eb mb op is q II C T4 Gb Ex tb III C T80°C Db (Product with isolation switch and fuse)	IEC60079
ATEX: CML 16ATEX1342X	Ⓜ II 2 GD Ex db eb mb op is q II C T4 Gb Ex tb III C T80°C Db (Product with isolation switch and 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: T5 at $-25^{\circ}\text{C} \leq T_a \leq +40^{\circ}\text{C}$
 T4 at $-25^{\circ}\text{C} \leq T_a \leq +55^{\circ}\text{C}$
 Degree of protection: IP66 (IP64 with breather CZ0527)
 Rated voltage: 100 ~ 250V AC
 Color temperature: 5700K
 Color rendering index: $R_a \geq 80$
 Power factor: $\lambda > 0.95$
 Recharging time: 24 h
 Emergency starting time: 0.1 (S)
 Emergency illuminating time: >120 (min)
 Terminals: L1, L2, L, N, PE, each terminal $2 \times 1.5\text{-}10\text{mm}^2$
 Cable entry: Moulded plastic $1 \times M25 \times 1.5$ cable gland,
 Outside diameter of cable: $\Phi 8\text{-}17\text{mm}$
 Moulded plastic $2 \times M25 \times 1.5$ stopping plugs
 Pole mounting:
 Moulded plastic $1 \times M25 \times 1.5$ cable gland,
 Outside diameter of cable: $\Phi 8\text{-}17\text{mm}$

• Order specifications of full plastic explosion-proof emergency LED linear light fittings :

Illustration	Power of light source	Luminous flux		Current	Weight	Order No.
		Normal illumination	Emergency illumination			
	1×LED 30W Without diffuser	2387	719	Max 0.17A	8.6kg	CZ0865 / 1 × LED30W1 YJ-FK-B+ <input type="checkbox"/>
	1×LED 30W With diffuser	1974	588	Max 0.17A	8.7kg	CZ0865 / 1 × LED30W2 YJ-FK-B+ <input type="checkbox"/>
	2×LED 30W Without diffuser	4732	1419	Max 0.3A	11.9kg	CZ0866 / 2 × LED30W1 YJ-FK-B+ <input type="checkbox"/>
	2×LED 30W With diffuser	3617	1182	Max 0.3A	12.1kg	CZ0866 / 2 × LED30W2 YJ-FK-B+ <input type="checkbox"/>

Code of cable gland ←
 Order No. of mounting accessories (No matching not noted), see page G06 ←

• Order specifications of full plastic explosion-proof emergency LED linear light fittings (Pole Mounting) :

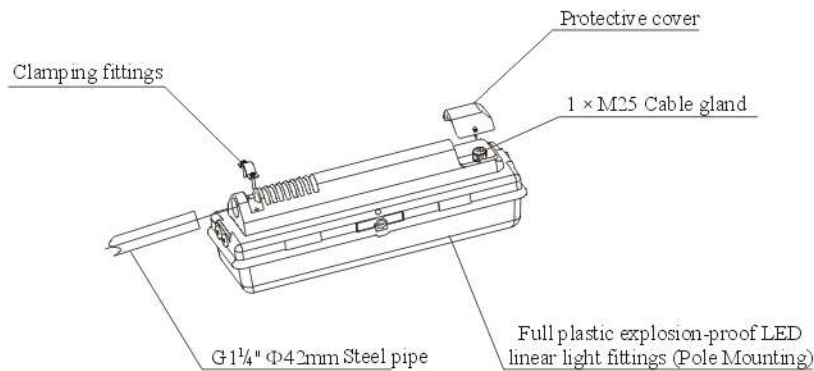
Illustration	Power of light source	Luminous flux		Current	Weight	Order No.
		Normal illumination	Emergency illumination			
	1×LED 30W Without diffuser	2387	719	Max 0.17A	9.8kg	CZ0865 / 1 × LED30W1 YJ-FK-PM+ <input type="checkbox"/>
	1×LED 30W With diffuser	1974	588	Max 0.17A	9.9kg	CZ0865 / 1 × LED30W2 YJ-FK-PM+ <input type="checkbox"/>
	2×LED 30W Without diffuser	4732	1419	Max 0.3A	12.4kg	CZ0866 / 2 × LED30W1 YJ-FK-PM+ <input type="checkbox"/>
	2×LED 30W With diffuser	3617	1182	Max 0.3A	12.6kg	CZ0866 / 2 × LED30W2 YJ-FK-PM+ <input type="checkbox"/>

Order No. of mounting accessories (No matching not noted), see page G06 ←

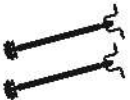


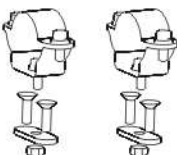
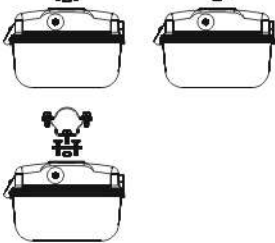



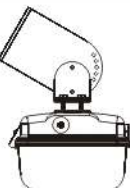

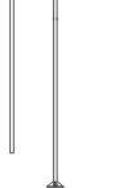






• Code of cable gland

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 bozes), 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

• Diagram of pole mounting:





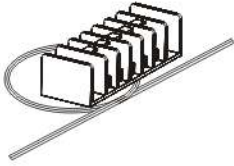
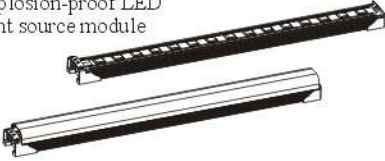
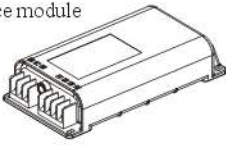
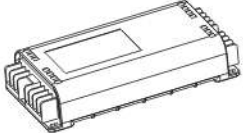
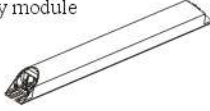
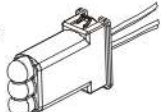



• Accessories of mounting:

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
Lamp pole of wall type		Used for CZ0865 LED linear light fittings	Set D8709/1A
		Used for CZ0866 LED linear light fittings	Set D8709/2A
Lamp pole of fence type		Used for CZ0865 LED linear light fittings	Set D8710/1A
		Used for CZ0866 LED linear light fittings	Set D8710/2A
Lamp pole of flange type		Used for CZ0865 LED linear light fittings	Set D8711/1A
		Used for CZ0866 LED linear light fittings	Set D8711/2A
Wall mounting bracket of pole type 		Use for pole mounting linear light fittings	Set D8739
Lamp pole of fence type		Use for pole mounting linear 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 LED linear light fittings	Set D8742/1
		Used for CZ0866 LED linear light fittings	Set D8742/2

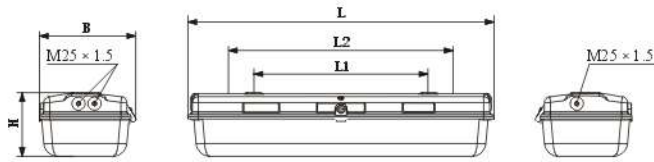
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• Spare parts:

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 ⊕ II 2G Ex e mb II C Gb	0.8A	Piece	CZ0804 / T0.8A
		1.2A	Piece	CZ0804 / T1.2A
		6.3A	Piece	CZ0804 / T6.3A
Explosion-proof isolation switch module 	⊕ II 2G Ex db eb IIC Gb Type of protection, Contact: 2NC (2NC)	Piece	CZ0207-1	
Increased safety breathing, drainage valve 	⊕ II 2GD Ex eb IIC Gb Ex tb IIIC Db Type of protection	Piece	CZ0527 2515 e001	
With conductor terminal board 	3P terminal, Conductor 3 × 2.5mm ² , max16A, L1+N+PE	14W/18W	Set	305/21
		28W/36W	Set	305/22
	4P terminal, Conductor 3 × 2.5mm ² , max16A, L1+L2+N+PE	14W/18W	Set	305/31
		28W/36W	Set	305/32
Explosion-proof LED light source module 	Type of protection: ⊕ II 2G Ex eb mb IIC Gb Power: 30W	Without diffuser	Piece	CZ1618/11-LED30W1
		With diffuser	Piece	CZ1618/11-LED30W2
Explosion-proof source module 	⊕ II 2G Ex eb q IIC Gb Type of protection: ⊕ II 2G Ex eb q IIC Gb Power: 2 × 30W, Used for 2 × LED30W linear light fittings	Piece	CZ1618/57-2 × LED30W	
Explosion-proof inverter module 	⊕ II 2G Ex eb q IIC Gb Type of protection: ⊕ II 2G Ex eb q IIC Gb Power: 2 × 30W, emengy power: 2 × 10W, Used for 2 × LED30W YJ emengy LED linear light fittings	Piece	CZ1618/58-2 × LED30W	
Explosion-proof battery module 	⊕ II 2G Ex eb IIC Gb, 3.0Ah/7.2V Type of protection, 3.0Ah/7.2V		Set	CZ0819/3.5Ah 7.2V
		⊕ II 2G Ex eb IIC Gb, 4.5Ah/7.2V Type of protection: Ex e II, 4.5Ah/7.2V	Set	CZ0819/4.5Ah 7.2V
Explosion-proof emergency indicator module 	⊕ II 2G Ex mb IIC Gb, Type of protection 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	

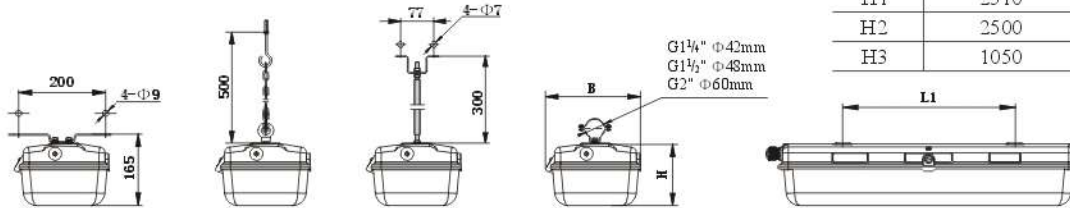


● Mounting ways and outline dimensions:

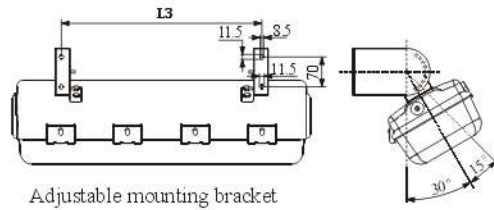


Full plastic explosion-proof (emergency) linear light fittings

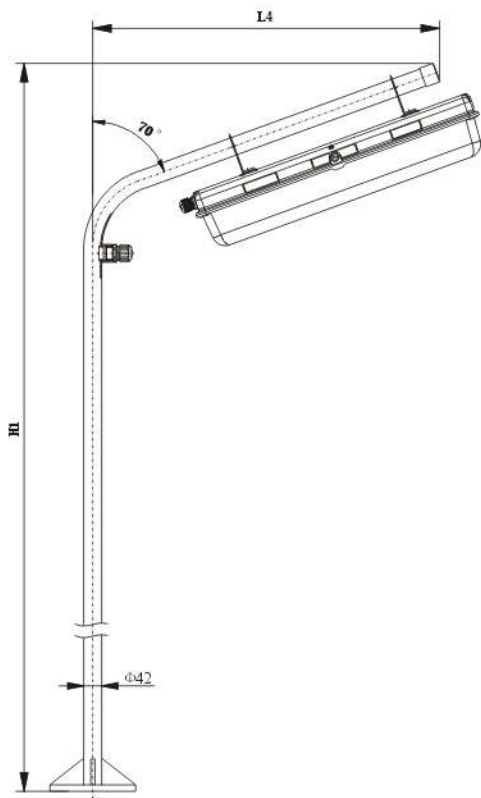
型号 Type	CZ0865 1×LED30W	CZ0866 2×LED30W
L	698	1310
L1	400	800
L2	550	1100
L3	470	870
L4	800	1300
B	222	222
H	145	145
H1	2510	2510
H2	2500	2500
H3	1050	1050



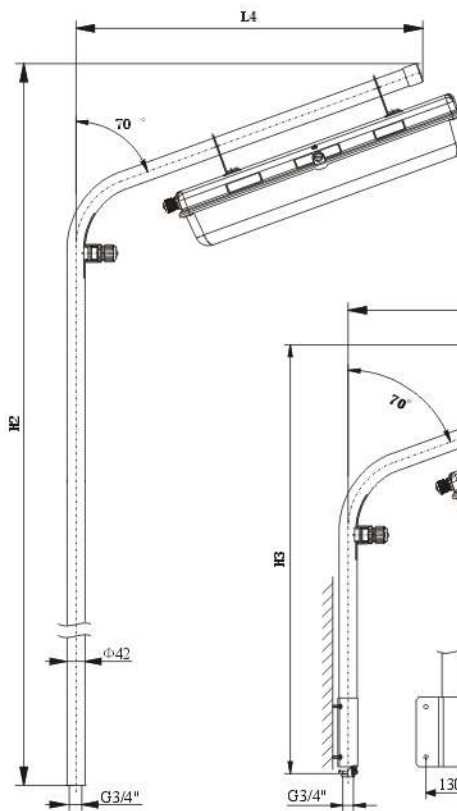
Ceiling type Chain type Pendant type Clamp type



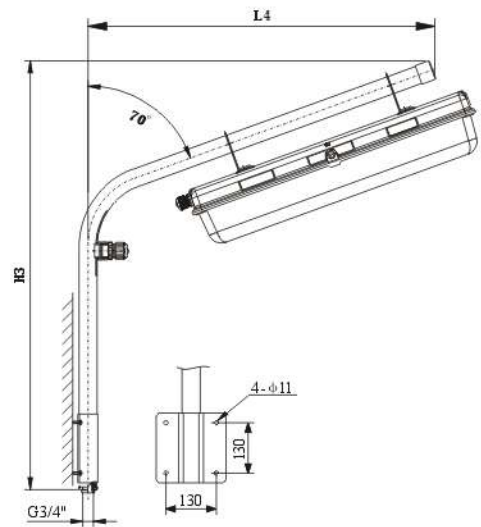
Adjustable mounting bracket



Flange type



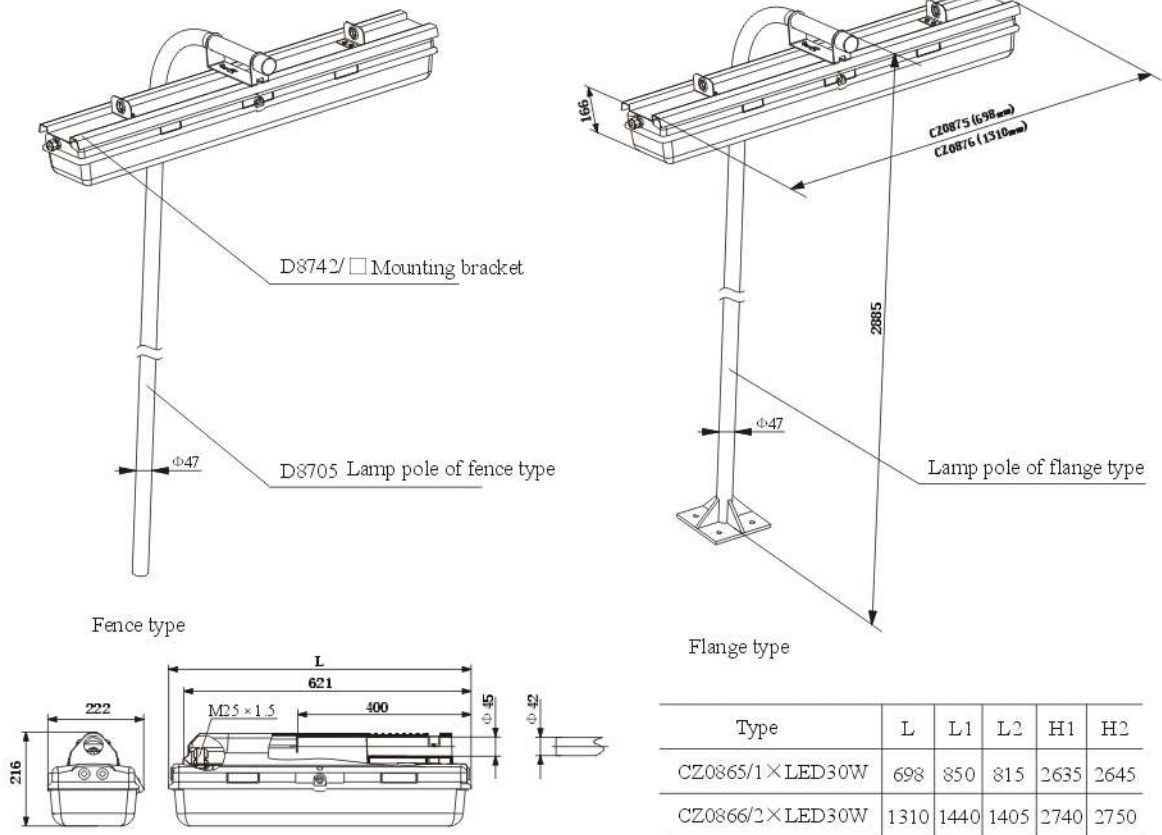
Fence type



Wall type

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● Mounting ways and outline dimensions:



Full plastic explosion-proof (emergency) linear light fittings (Pole Mounting)

