CZ0873/1

CZ0874/1

Descriptions:

The enclosures of explosion–proof light fittings are manufactured of die–cast aluminum alloy , with epoxy resin powder sprayed on the surfaces. Therefore, they have good anti–corrosion performance. The transparent shield is made by the toughened glass borosilicate, and the exposed fasteners are made of stainless steel. Explosion –proof light fitting's terminal box side entry, is suitable for rubber–coated and the armored cable wiring. The internationally certified PHOENIX cage type terminals are selected as the internal terminals, which are convenient for wiring. The unique heat insulation design united with the exterior high density' radiator in the explosion–proof light fitting to cause the radiation effect will be better. The LED light source and stabilized voltage supply is supplied inside. It can satisfy the related requirements of illumination in petrochemical, chemical and marine industries.

Explosion–proof light fittings can be sorted as: bracket lamp, platform lamp and wall lamp.

Explosion–proof bracket type lamps can be sorted as: ceiling type, wall sunction type and chain type.

The mounting ways of the explosion–proof platform light fittings C–90° are fence type and platform flange type.

The mounting ways of the explosion–proof platform light fittings D–25° are fence type and platform flange type.
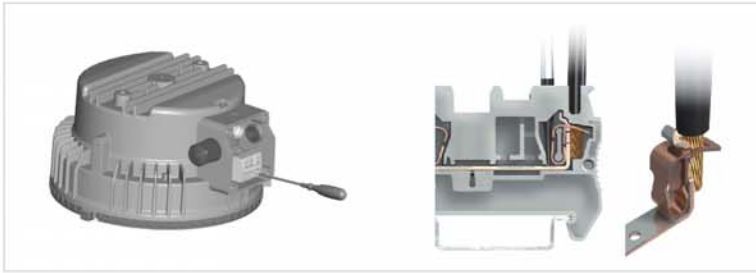
- It is energy–saving and environmental protection which the power consumption is only 19% of the same brightness of incandescent lamp.
- It is long life and maintenance–free which the service life is up to 50000 hours and the maintenance–free of long term.
- There is a feature of good electromagnetic compatibility and it does not cause interference to the system power grid.
- It is not influenced by the voltage fluctuations and can be operated in the wide voltage range of AC100 ~ 240V.
- There is a good performance of vibration due to the LED is the solid–state light source.
- The highest class of flameproof is up to Ⅱ C.
- The degree of protection is up to IP 66.
- It is convenient to be mounted and maintained.
- International IECEx Approval, Europe union ATEX Approval.

G

Zone 1 and zone 2   Zone 21 and zone 22

● Product characteristics：

It is easier to be wired by cage type terminal which is certified internationally.

Installation of ceiling type

Bracket installation, multiple angle adjustment

Chain type

Installation of wall type lamp

The mounting ways of the explosion-proof platform light fittings C-90°

The mounting ways of the explosion-proof platform light fittings D-25°

● Many kinds of cable glands：

CZ0226 Increased safety cable glands
(stopping boxes)

CZ0223 Moulded plastic stopping plugs

CZ0220 Moulded plastic cable glands

CZ0227 Metal safety metal cable glands

Main technical data:

Certification	Ex mark	Meet the standard
China (CQST Ex)	Ex de II C T6 DIP A21 T$_A$,T6	GB3836 GB12476
IECEx	Ex de II C T6 Gb Ex tb IIIC T80℃ Db	IEC60079
ATEX	Ⓔ II 2 GD Ex de II C T6 Gb Ex tb IIIC T80℃ Db	EN60079

Intended use: Can be used in zone 1 and zone 2, Can be used in zone 21 and zone 22
Degree of protection: IP66
Rated voltage: 100 ~ 240V AC   50/60Hz
Colour temperature: 5500 — 6000K
Color rendering (CRT): 70
Power factor: ＞0.98
Ambient temperature: -20℃ to+40℃/+55℃
　　　　　　　　　　-40℃ to+40℃/+55℃
Terminal: L1, N cage type terminal 2-2.5mm², PE terminal: 2×10mm²
Cable entry: **B**—Bracket type lamp (Standard configuration)
　　　　　　　Moulded plastic 1 × M25 × 1.5, Outside diameter: Φ8-17mm
　　　　　　　Moulded plastic 1 × M25 × 1.5 stopping plug
　　　　　C—Platform type lamp 90° (Standard configuration)
　　　　　D—Platform type la mp 25°
　　　　　　　Moulded plastic 1 × M25 × 1.5, Outside diameter: Φ8-17mm
　　　　　E—Wall type lamp (Standard configuration)
　　　　　　　Moulded plastic 1 × M25 × 1.5, Outside diameter: Φ8-17mm
　　　　　　　Moulded plastic 3 × M25 × 1.5 stopping plug

Order specifications:

Illustration	Light source code	Power	Temperature class* Ta≤55℃	Weight	Order No.
B	LED lamp	30W	T6	5.42kg	**CZ0873/1☐–LED30W–☐–B+☐**
C	LED lamp	45W	T6	5.5kg	**CZ0874/1☐–LED45W–☐–B+☐**
D **E**		60W	T6	5.55kg	**CZ0874/1☐–LED60W–☐–B+☐**

The mounting ways of the light fittings ◄
　B–Bracket type lamp
　C–Platform type lamp 90°
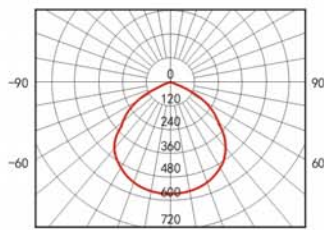　**D**–Platform type lamp 25°
　E–Wall type lamp

Ambient temperature ◄
　2 — -20℃ to+40℃/+55℃
　4 — -40℃ to+40℃/+55℃
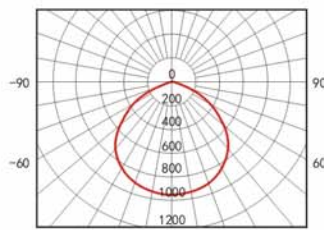
Code of cable gland see page 16 ◄

Order No.of mounting accessories ◄
(No matching not noted), see page 16

G
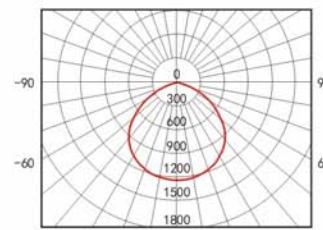
Luminous intensity distribution curve:

Luminous intensity unit: cd / lm

CZ0873/1☐–LED30W　　　　CZ0874/1☐–LED45W　　　　CZ0874/1☐–LED60W

● Code of cable gland

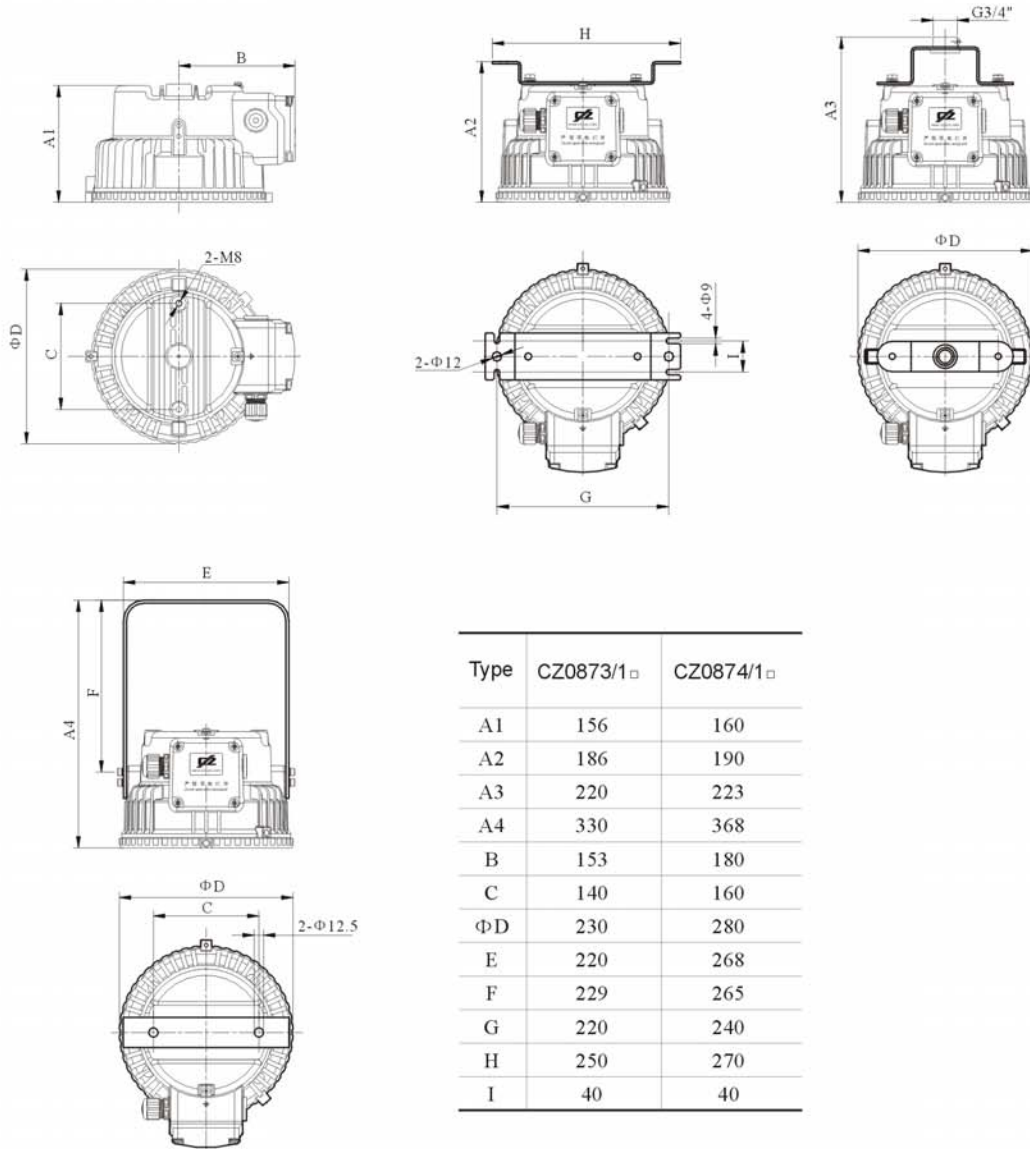| Code	Specification	Cable diameter
B—Code of cable gland for bracket type lamp		
B	One moulded plastic M25 × 1.5 cable gland, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
C	One brass CZ0221/M25 × 1.5 metal cable gland, one moulded plastic M25 × 1.5 stopping plug	Φ8-17mm
D	Two moulded plastic M25 × 1.5 cable glands	Φ8-17mm
E	Two brass CZ0221/M25 × 1.5 metal cable glands	Φ8-17mm
F	One brass CZ0227/M25 × 1.5-G$^3/_4$″ increasd safety metal cable gland, one moulded plastic M25 × 1.5 stopping plug	Φ11-15mm
G	Two brass CZ0227/M25 × 1.5-G$^3/_4$″ increasd safety metal cable glands	Φ11-15mm
H	One brass CZ0226/M25 × 1.5-(G02) increasd safety metal cable gland (stopping boxes), one moulded plastic M25 × 1.5 stopping plug	Φ11.5-16mm
I	Two brass CZ0226/M25 × 1.5-G02 increasd safety metal cable glands (stopping boxes)	Φ11.5-16mm
E—Code of cable gland for wall typelamp		
13	One moulded plastic M25 × 1.5 cable gland, three moulded plastic M25 × 1.5 stopping plugs.	Φ8-17mm
22	Two moulded plastic M25 × 1.5 cable glands, two moulded plastic M25 × 1.5 stopping plugs.	Φ8-17mm
31	Three moulded plastic M25 × 1.5 cable glands, one moulded plastic M25 × 1.5 stopping plug.	Φ8-17mm
40	Four moulded plastic M25 × 1.5 cable glands	Φ8-17mm
04	Four moulded plastic M25 × 1.5 stopping plugs.	
Note: If matched with metal cable gland, note after code.		

Note: Cable gland for platform type lamp **C**, **D** is equipped, no need to be mentioned.

● Mounting accessories:

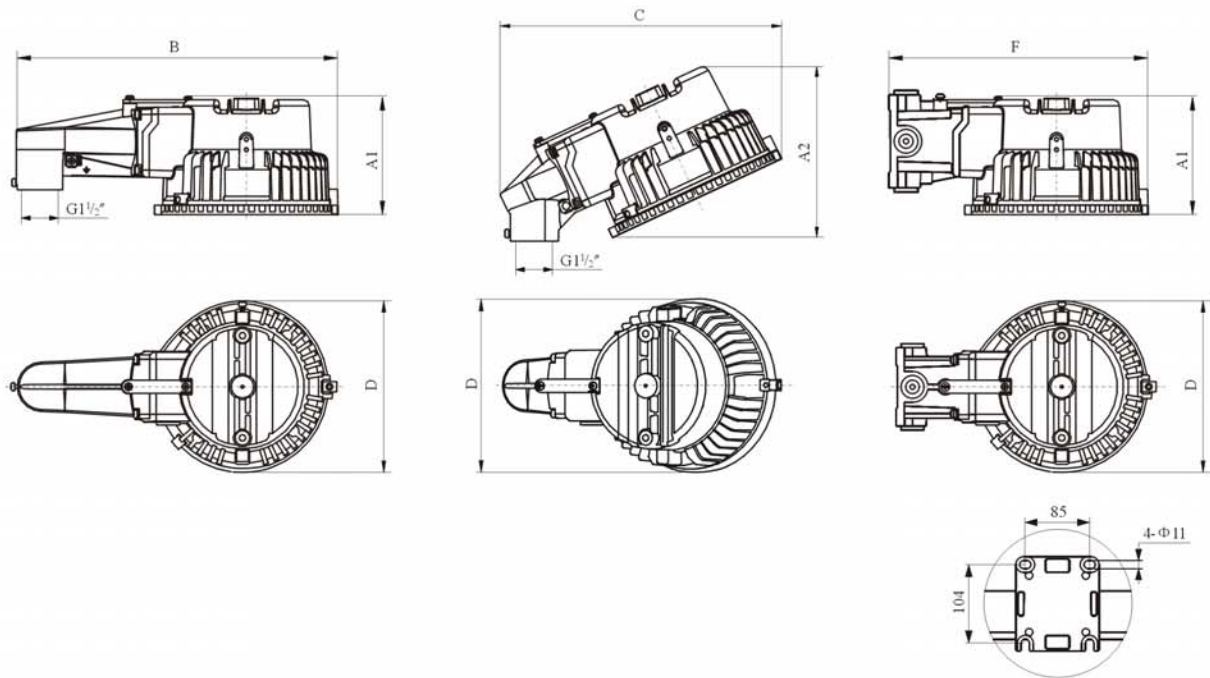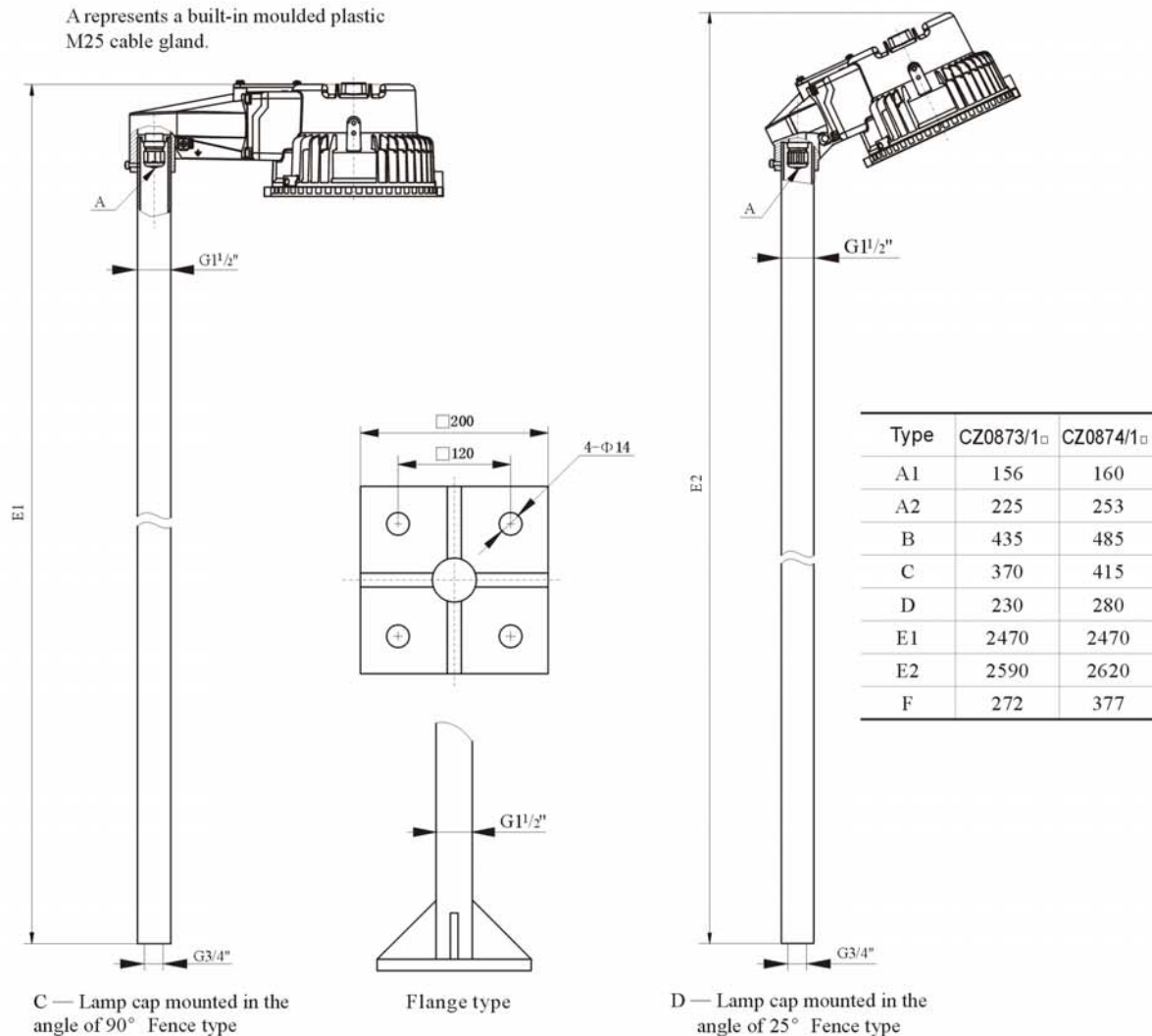| Illustration	Descriptions	Unit	Order No.
Ceiling bracket	Accessories for bracket type lamp, for CZ0873/1	Set	**D8722/1**
	Accessories for bracket type lamp, for CZ0874/1	Set	**D8722/2**
Mounting bracket	Accessories for bracket type lamp, for CZ0873/1	Set	**D8701/1**
	Accessories for bracket type lamp, for CZ0874/1	Set	**D8701/2**
Mounting bracket of pendant type	Accessories for bracket type lamp, for CZ0873/1	Set	**D8702/1**
	Accessories for bracket type lamp, for CZ0874/1	Set	**D8702/2**
G3/4"-300mm Straight pipe	Accessories for bracket type, galvanized steel pipe material and powder coated surface	Set	**D732**
Chain type accessories (500mm)	Accessories for bracket type lamp, M8 bolt, made from steel with zinc-coated surface	Set	**D623**
Lamp pole of fence type	Accessories for platform type lamp, G1$^1/_2$″ galvanized steel pipe material and powder coated surface	Set	**D8725**
Lamp pole of flange type	Accessories for platform type lamp, G1$^1/_2$″ galvanized steel pipe material and powder coated surface	Set	**D8726**

G

- Outline and installation dimensions:

Type	CZ0873/1□	CZ0874/1□
A1	156	160
A2	186	190
A3	220	223
A4	330	368
B	153	180
C	140	160
ΦD	230	280
E	220	268
F	229	265
G	220	240
H	250	270
I	40	40

• Outline and installation dimensions:

85
4-Φ11
104

A represents a built-in moulded plastic
M25 cable gland.

G1½"
G1½"

E1

E2

A

□200
□120
4-Φ14

G1½"

G3/4"
G3/4"

C — Lamp cap mounted in the
angle of 90° Fence type

Flange type

D — Lamp cap mounted in the
angle of 25° Fence type

Type	CZ0873/1☐	CZ0874/1☐
A1	156	160
A2	225	253
B	435	485
C	370	415
D	230	280
E1	2470	2470
E2	2590	2620
F	272	377

G