# Explosion Proof O Series

## Mini Tunnel Light

## Explosion Protection

| | |
|---|---|
| Marking ATEX | II 2 G Ex eb mb IIC T6 Gb |
| | II 2 D Ex tb IIIC T80 Db IP66 |
| Marking IECEx | Ex Eb mb IIC T6 Gb |
| | Ex tb IIIC T80 Db IP66 |
| Marking UL844 (North American) | Class I, Division 2, Groups A, B, C, D |
| | Class II, Division 2, Groups E, F,G |
| | Class II, Division 2,Groups F, G |
| | Class III |
| Marine Marking | UL 1598A |
| Other Rating | NEMA 3, 4X, IP66 |

## Applications

Oil and Gas industry

★ All petroleum production and refining
★ Petroleum loading and transportation
★ Petroleum storage and retail
★ LNG industry
★ All mining operations and service

Chemical industry

★ All types of paint facilities
★ Chemical production and storage

Ocean, marine and aerospace field

★ Ocean platform operation facilities and structure
★ Aerospace clean room and production
★ Ocean vessel operations

Metal treatment

★ Steel and aluminum factories
★ Pumping stations in any environment
★ Metal smelting, foundry and fabrication

Food and alcohol industry

★ Flour and fine particle production and storage
★ Food and distilling production
★ alcohol industry

Other high humidity, high dust, high temperature,vapor locations

## Materials

★ Housing: copper free aluminum
★ Lens: glass

## Basic Data

| Product Number | Wattage | Color Temperature | Voltage | Lumens | Warranty | CRI |
|---|---|---|---|---|---|---|
| EX-10W OYZDA | 10 | | | 1400 | | |
| EX-15W OYZDA | 15 | 2200K-7000K | AC100-277/220-480V | 2100 | 5 years | >70 |
| EX-20W OYZDA | 20 | | | 2800 | | |
| EX-30W OYZDA | 30 | | | 4200 | | |

**"O"=Product code, "Y"=D or N:Dimmable or non-dimmable "Z"=CCT, from 2200-7000K**
**"D"=Beam angle, D40 for 40°, D60 for 60°, D90 for 90°, D120 for 120°**
**A for glass info. blank for flat glass, c for spherical glass.**
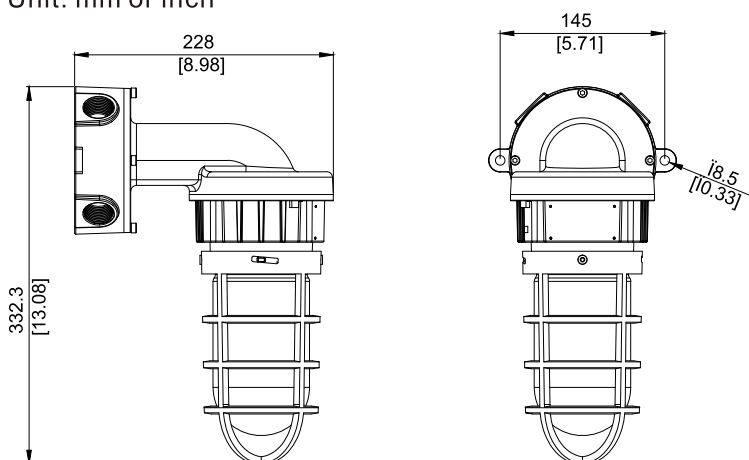
## Packing Information

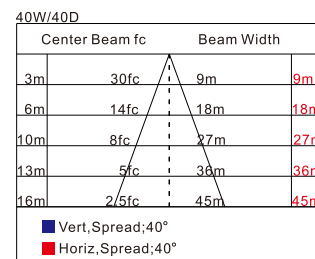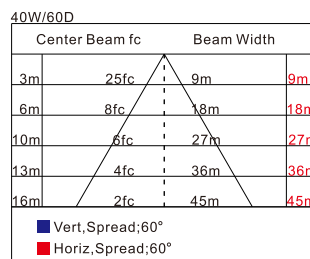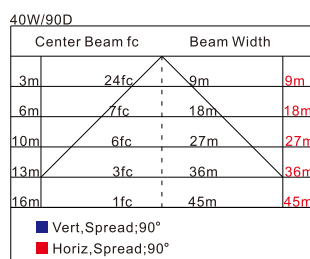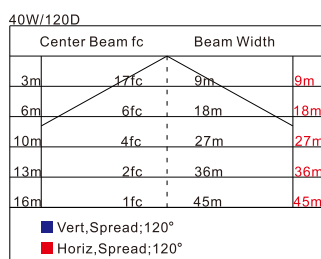| Model | Quantity/Carton | Packing Size(mm) | N.W(KG) | G.W(KG) |
|---|---|---|---|---|
| O | 1 | 265*380*255 | 4.65 | 5.4 |

## Key Features

- Compact structure, small size and light weight for easy installation.
- High vibration and impact resistant.
- Protective metal cage against light potential damage.
- Working Temperature: $-20℃ \sim +60℃$.
- Impact resistant and thermally stable toughened glass.

## Mechanical Structure

Unit: mm or inch



## Lighting Distribution

**40W/120D**

| Center Beam fc | | Beam Width | |
|---|---|---|---|
| 3m | 17fc | 9m | 9m |
| 6m | 6fc | 18m | 18m |
| 10m | 4fc | 27m | 27m |
| 13m | 2fc | 36m | 36m |
| 16m | 1fc | 45m | 45m |

■ Vert,Spread;120°
■ Horiz,Spread;120°

**40W/90D**

| Center Beam fc | | Beam Width | |
|---|---|---|---|
| 3m | 24fc | 9m | 9m |
| 6m | 7fc | 18m | 18m |
| 10m | 6fc | 27m | 27m |
| 13m | 3fc | 36m | 36m |
| 16m | 1fc | 45m | 45m |

■ Vert,Spread;90°
■ Horiz,Spread;90°

**40W/60D**

| Center Beam fc | | Beam Width | |
|---|---|---|---|
| 3m | 25fc | 9m | 9m |
| 6m | 8fc | 18m | 18m |
| 10m | 6fc | 27m | 27m |
| 13m | 4fc | 36m | 36m |
| 16m | 2fc | 45m | 45m |

■ Vert,Spread;60°
■ Horiz,Spread;60°

**40W/40D**

| Center Beam fc | | Beam Width | |
|---|---|---|---|
| 3m | 30fc | 9m | 9m |
| 6m | 14fc | 18m | 18m |
| 10m | 8fc | 27m | 27m |
| 13m | 5fc | 36m | 36m |
| 16m | 2/5fc | 45m | 45m |

■ Vert,Spread;40°
■ Horiz,Spread;40°

## Installation Manual

**WARNING**

READ THIS INSTRUCTION CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTION FOR FUTURE REFERENCE.

Fixtures must be wired in accordance with the National electrical code and all applicable local codes. Proper grounding is required for safety.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

**Warning:** Risk of fire or electric shock. High bay Light installation requires knowledge of luminaires and electrical systems. If not qualified, DO NOT try to install. Please contact an electrician.

**Warning:** Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to install.

**Warning:** Risk of fi re or electric shock. Suitable for non-insulated surface and frame.DO NOT cover fixture with insulation liner or similar material.

**Warning:** DO NOT install in unstable, loose or breakable surfaces.

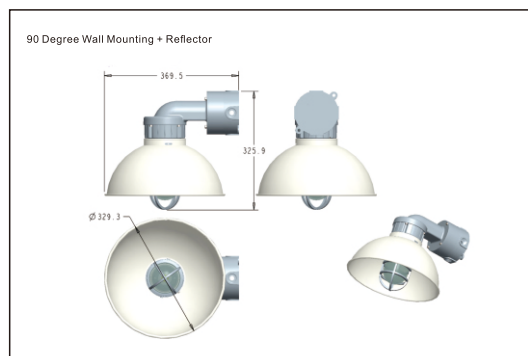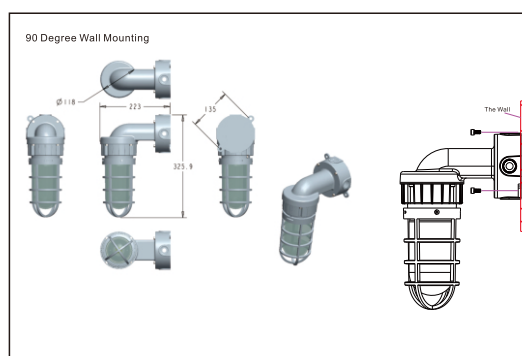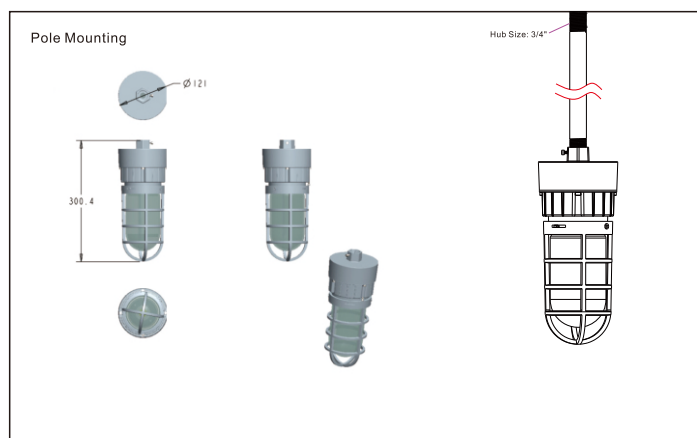**Warning:** DO NOT let objects impact or exert force on the surface of the fixture.
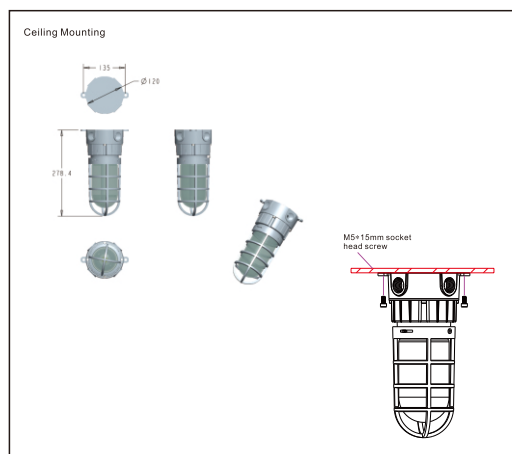
⚠ **WARNING**
Risk of fire, Electric shock or personal injury
Before installation, turn off power!

## Mounting Methods

Unit: mm or inch

Ceiling Mounting

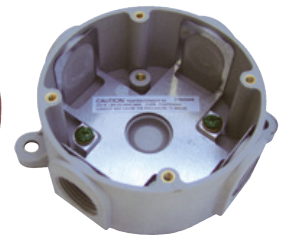M5*15mm socket head screw

Pole Mounting

Hub Size: 3/4"

90 Degree Wall Mounting

The Wall

90 Degree Wall Mounting + Reflector

## Accessories and Spare Parts

| | |
|---|---|
| **Pendent** | **Ceiling/Wall** |

**Wall Elbow**

**Ceiling/Wall (Interior Detail)**

**Incandescent**    **Fluorescent**    **Globe**    **Guard**

**Reflector**    **Extension**    **Gray Blank**    **Clear**