# O Series

## LED Explosion Proof Light

**VENAS**



Flat Guard

## Classifications:

- ATEX Marking
  - II 2 G Ex eb mb IIC T6 Gb
  - II 2 D Ex tb IIIC T80 Db IP66

- IECEx Marking
  - Ex Eb mb IIC T6 Gb
  - Ex tb IIIC T80 Db IP66

- UL844 Marking (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
  - IP66

## Standard Materials:

- Housing: Copper free aluminum
- Lens: Tempered glass (frosted lens or clear lens are available.)
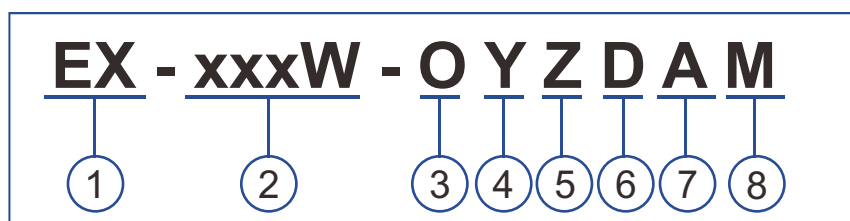
## LED Explosion Proof Light - O Series

### Key Features:

- ◉ Compact structure, small size and light weight for easy installation.
- ◉ High vibration and impact resistance.
- ◉ Protective metal cage against potential damage.
- ◉ Tempered glass for high heat resistance.
- ◉ Mounting ways: pendant, wall and end bracket mountings.
- ◉ Beam angles are optional: 40°/60°/90°/120°.
- ◉ Low temperature applications to -40°C (-40°F) and high temperature up to 60°C (140°F).
- ◉ Power Factor: > 0.9
- ◉ Outlet: regular 1 meter.
- ◉ Environmentally Friendly 50,000 hours lifespan.
- ◉ Waterproof and dust-proof, without internal cleaning and maintenance.
- ◉ 5-year warranty.

### 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

◉ Ocean, marine and aerospace field
- •Ocean platform operation facilities
- •Aerospace clean room and production
- •Ocean vessel operations

◉ Chemical industry
- •All types of paint facilities
- •Chemical production and storage

◉ 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

### Ordering Guide:

EX - xxxW - O Y Z D A M

(1) (2) (3)(4)(5)(6)(7)(8)

(1) PRODUCT CATEGORY
- ◉ Explosion proof product

(2) WATTAGE
- ◉ 10W/20W/30W/40W

(3) PRODUCT SERIES
- ◉ O= O Series

(4) DIMMING OPTION
- ◉ D= Dimmable
- ◉ N= Non-dimmable

(5) CCT
- ◉ Z can be 22, 30, ... 70.
- ◉ 22=2200K, 30=3000K, ..., 70=7000K

(6) BEAM ANGLE
- ◉ D40= 40°
- ◉ D60= 60°
- ◉ D90= 90°
- ◉ D120= 120°

(7) GLASS INFORMATION
- ◉ A can be "C", denotes Globe glass and wire guard, which are the standard parts of the end product.
- ◉ Frosted lens or clear lens are available.

(8) MOUNTING STYLE
- ◉ M1: Ceiling Mounting
- ◉ M2: Pole Mounting
- ◉ M3: 90 Degree Wall Mounting

## Technical Data:

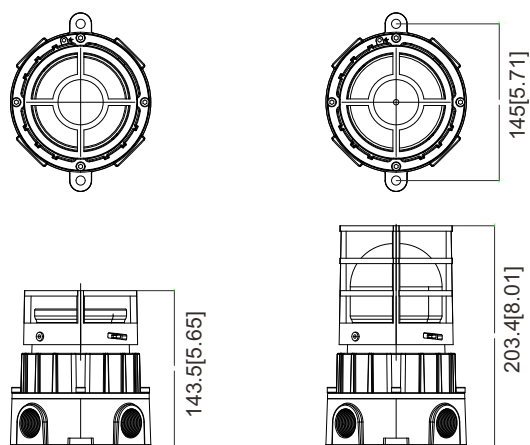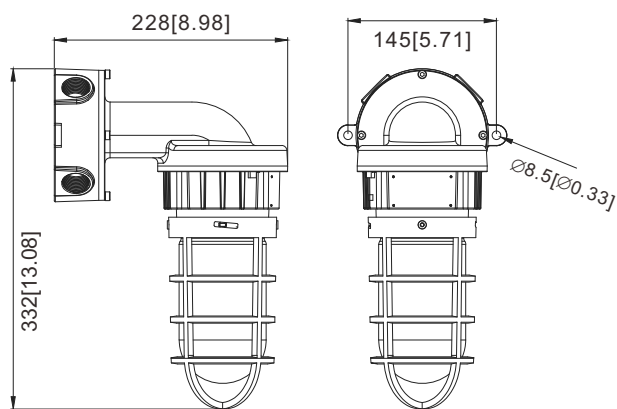| Model | Wattage | Operating Voltage | Total Lumens (lm) | CRI | CCT |
|-------|---------|-------------------|-------------------|-----|-----|
| EX-10W OYZDAM | 10W | AC100-277/220-480V; DC12-36V | 950 | >70 | 2200K-7000K |
| EX-20W OYZDAM | 20W | AC100-277/220-480V; DC12-36V | 1,900 | >70 | 2200K-7000K |
| EX-30W OYZDAM | 30W | AC100-277/220-480V; DC12-36V | 2,850 | >70 | 2200K-7000K |
| EX-40W OYZDAM | 40W | AC100-277/220-480V; DC12-36V | 3,800 | >70 | 2200K-7000K |

## Packing Information:

| Model | Quantity/Carton | Packing Size | Net Weight | Gross Weight |
|-------|-----------------|--------------|------------|--------------|
| EX-10W OYZDAM | 1 PC | | | |
| EX-20W OYZDAM | 1 PC | 10.43x14.96x10.04inch | 4.62kg/10.25lbs | 5.4kg/11.90lbs |
| EX-30W OYZDAM | 1 PC | | | |
| EX-40W OYZDAM | 1 PC | | | |

## Photometry:

Beam angle: 40°          Beam angle: 60°          Beam angle: 90°          Beam angle: 120°
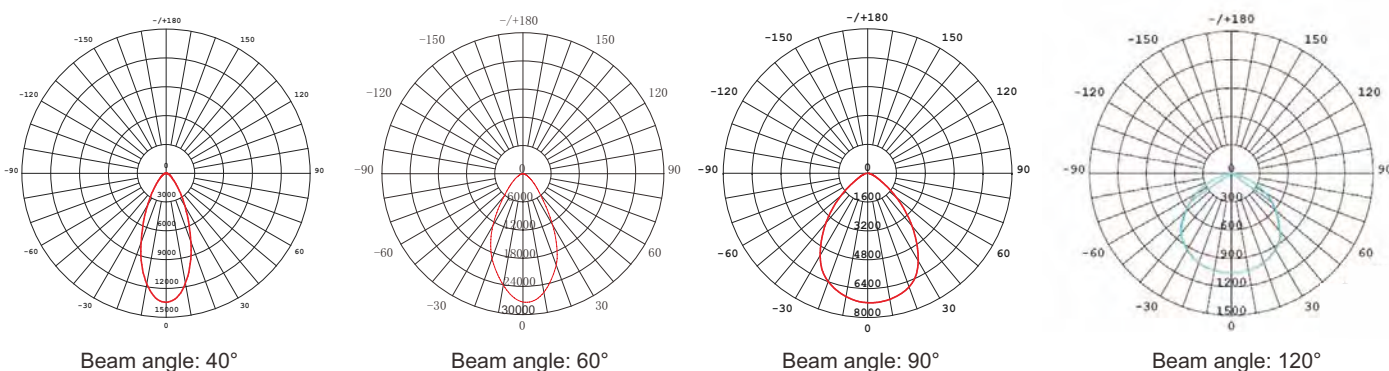
## Dimensions: unit: mm[inch]

228[8.98]

145[5.71]

332[13.08]

∅8.5[∅0.33]

145[5.71]

143.5[5.65]

203.4[8.01]

Dimension for Flat Guard
Thickness of glass: 4.5mm

## Mounting: unit: mm[inch]

### ◉ Ceiling Mounting:

M5*15mm socket head screw

M5*15mm socket head screw

80mm [3.15"]

2-Ø8.5[Ø0.33]

2-Ø8.5[Ø0.33]

165[6.49]
145[5.71]

165[6.49]
145[5.71]

328[12.91]

274[10.78]

### ◉ Pole Mounting:

Hub size: 3/4"

132.8[5.23]

3/4"NPT or M25*1.5

Ø14[Ø0.55]

132.8[5.23]

3/4"NPT or M25*1.5

Ø14[Ø0.55]

328[12.91]

276.7[10.89]

### ◉ 90° Wall Mounting:

Wall

223[8.78]

2-Ø8.5[Ø0.33]

145[5.71]

375.9[14.80]

223[8.78]

2-Ø8.5[Ø0.33]

145[5.71]

325.9[12.83]
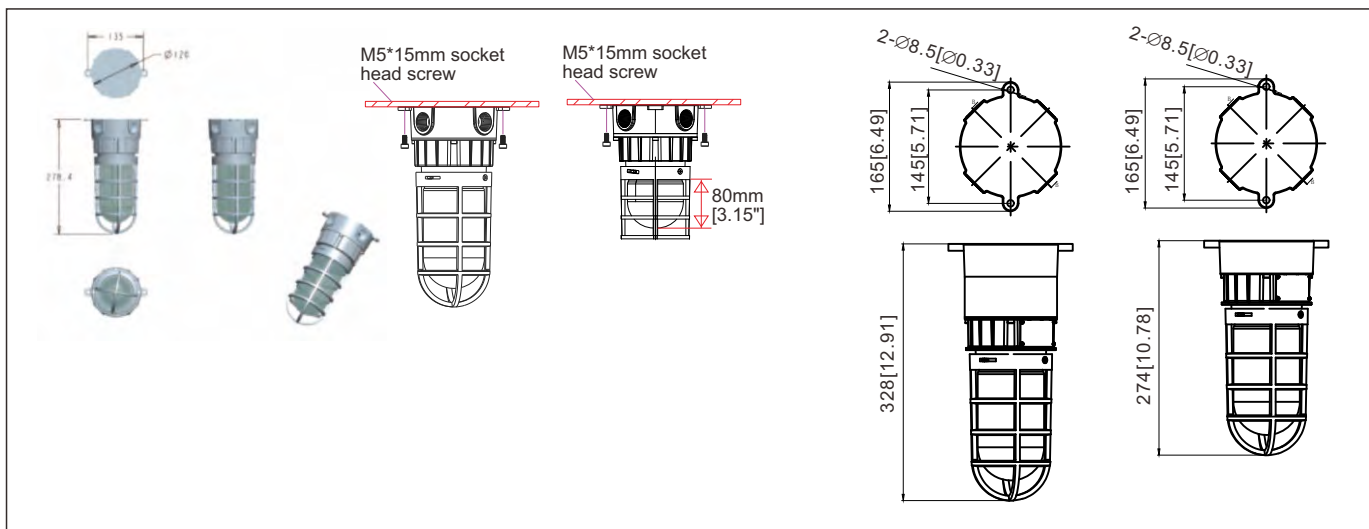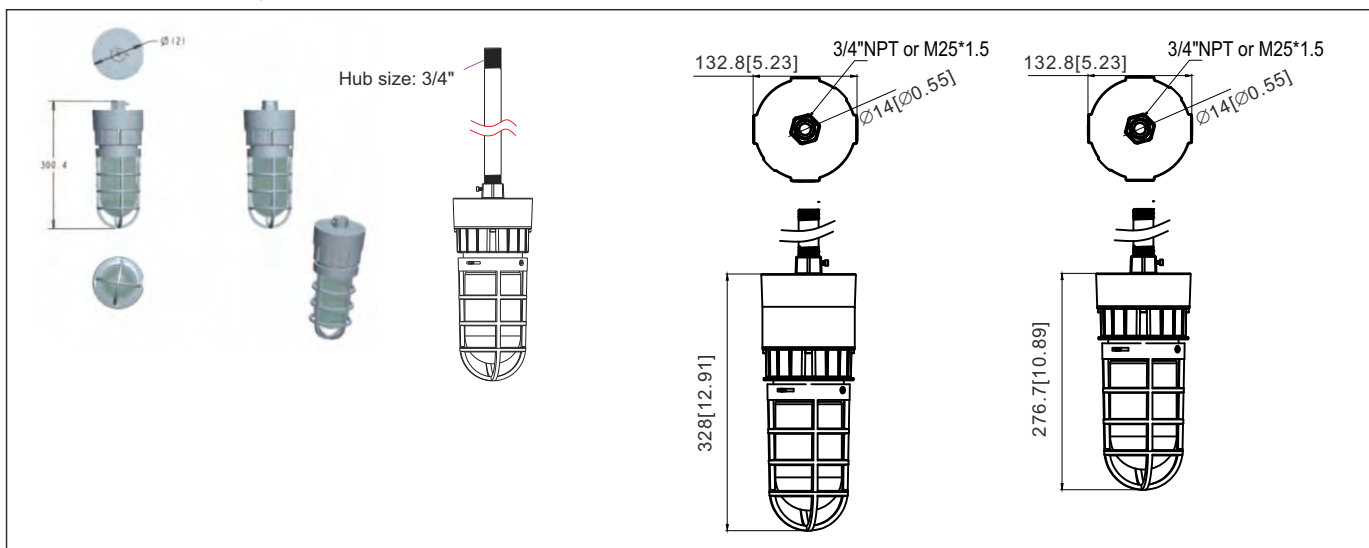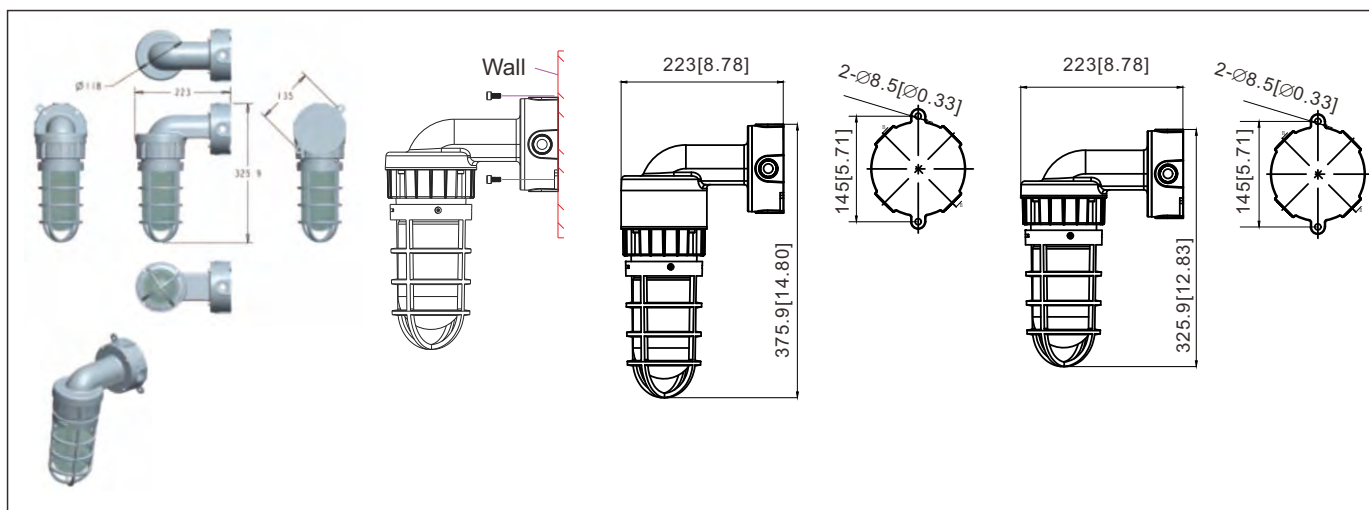
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## Mounting: unit: mm[inch]

◉ 90° Walling Mounting with Reflector:
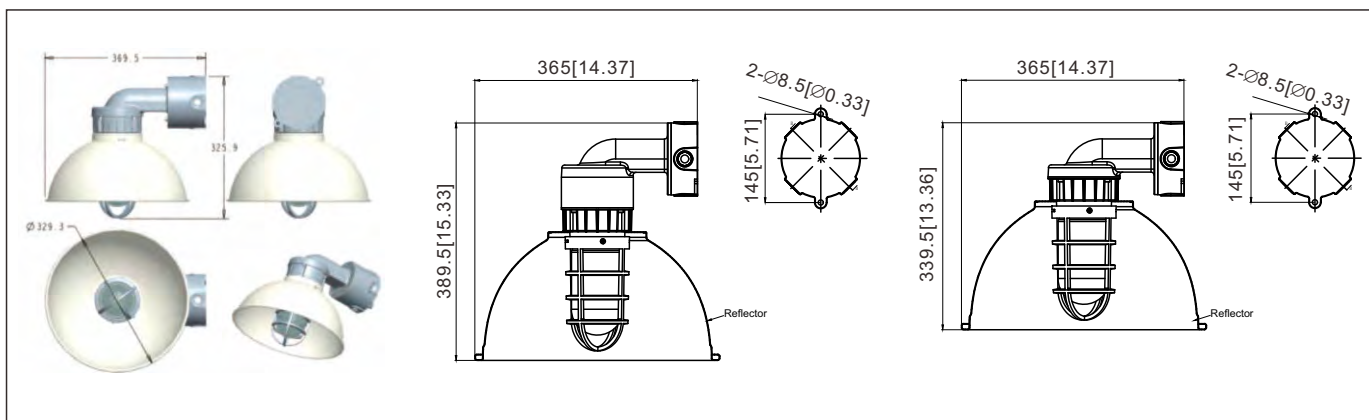


## Accessories:



Pendent

Ceiling/Wall

Ceiling/Wall (Interior Detail)

Wall Elbow

Reflector

Extension

Globe Glass

Globe Guard

Heat Sink

Clear

Flat Glass

Flat Guard

Main Part