

EX-02 Series

Hazardous Location LED Jam Jar Luminaire





EX-O2

Hazardous Location LED Luminaire

The EX-O2 Series LED luminaire is the ideal choice for marine and hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected. Compact structure and small size, ideal for use in various places where spot light is required, such as mine, brewery, aisle, etc.

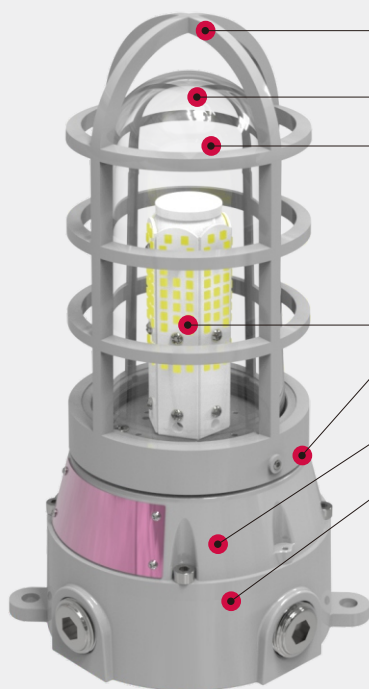
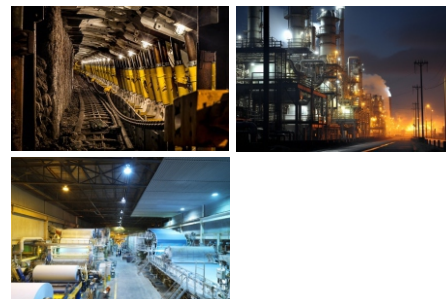
Compliance

UL844 Hazardous Locations
Class I Division 2, Group A, B, C, D
UL1598 Wet Locations
UL1598A Marine Outside Type
UL8750 LED Safety
ABS
IP66
IK08



Applications

- ✓ Heavy Industrials Storage Facility
- ✓ Coal Mine
- ✓ Chemical Processing Facility
- ✓ Power Plants
- ✓ Petrochemical Processing Facility
- ✓ Offshore Environments
- ✓ Wastewater Treatment Plants
- ✓ Food and Alcohol Industry



Built tough.

Metal guard included for additional protection

Tempered glass lens and PC lens optional. Tempered glass lens available in different colors

Three options of length: long, medium, short

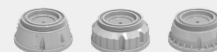


Four types of light source structure:



Compact structure, small size and light weight design for easy installation

Three types of heat sink structure:



Four mount structures optional:



Technical Parameter

• Electrical

Model	EX-xxxW O2*YZDEFGHIJ
Rated Power	15W/20W/25W/30W/35W/40W
Input Voltage	120-347VAC
Frequency	50/60Hz
Power Factor	> 0.95
Emergency	Optional
Emergency Time	1.5h

• Mechanical

Model	EX-xxxW O2*YZDEFGHIJ
Housing	Copper-free aluminum
Lens	Tempered glass/PC (both frosted and clear are available)
Protection	IP66/IK08
Mounting	Ceiling, Pole, Wall (90° / Rotable)
Outlet	Regular 1 meter
Cable Entries	There are four cable entries are at side wall of luminaire housing which are used to install M25, M20, NPT 1/2" or NPT 3/4" certified cable glands or stopping plugs with suitable IP code.

• Optical

Model	EX-xxxW O2*YZDEFGHIJ
Lumen Output	1500Lm-4000Lm
Efficacy	100lm/W
CCT	2000K/3000K/4000K/5000K/5700K/6500K/R/G
CRI	> 70
Dimming	0-10V dimming

• Environmental

Model	EX-xxxW O2*YZDEFGHIJ
Ambient Temperature - Normal	T6/T80°C: -40°C to +25°C (-40°F to +77°F) T5/T95°C: -40°C to +40°C (-40°F to +104°F) T4/T130°C: -40°C to +60°C (-40°F to +140°F)
Ambient Temperature - Emergency	T4/T130°C: -10°C to +40°C (14°F to +104°F)

Installation

				
Ceiling Mount	Pole Mount (Pole ordered separately)	Wall Mount (90 Degrees)	Mount with Rotating Cap	Reflector Available

Ordering Guide

EX - xxW O2 * Y Z D E F G H I J

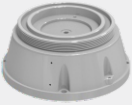
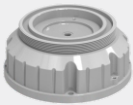
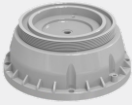
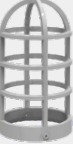
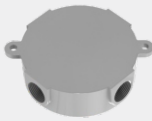
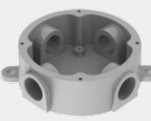
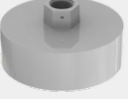
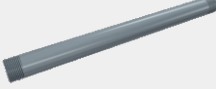
1 2 3 4 5 6 7 8 9 10 11 12

1. Basic Model Series Name	2. Rated Input Wattage	3. Lamp Enclosure Heatsink	4. Dimming	5. CCT	6. Degree	7. Diffuser type
EX	15W 20W 25W 30W 35W 40W	O2	D: dimmable Blank	20: 2000K 57: 5700K 30: 3000K 65: 6500K 40: 4000K R 50: 5000K G	D: Degree 120° 150° 180° 300°	Blank = Long Global Glass MGG= Medium Length Global Glass SFG= Short Length Flat Glass LGP= Long Global PC MGP= Medium Length Global PC SFP= Short Length Flat PC
8. Heat Sink Cover	9. Mounting Type	10. LEDs type	11. Battery Back Up	12. Input Voltage		
A: Heat sink cover A B: Heat sink cover B C: Heat sink cover C	M1: Ceiling mounting M2: Pole mounting M3: 90 degrees wall mounting M4: Rotable wall mounting	Blank: Flat SMT board A: COB B: Long length SMT C: Medium length SMT	Blank: Without battery Y: With battery	M = 120-347 V		

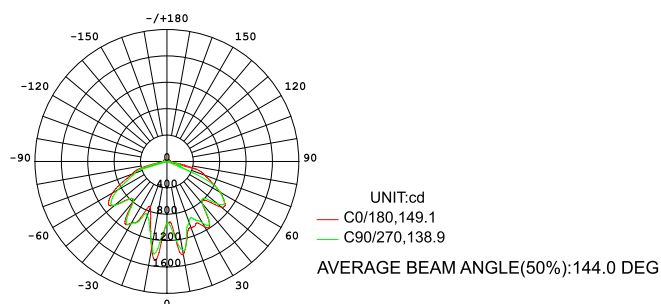
Packing Information

Model	Image	Quantity/Carton	Package Dimension (LxWxH)
O (with globe guard, ceiling mount)		1 piece	370x270x240mm/14.56x10.63x9.45inch
O (with globe guard, wall mount)		1 piece	420x340x240mm/16.54x13.39x9.45inch

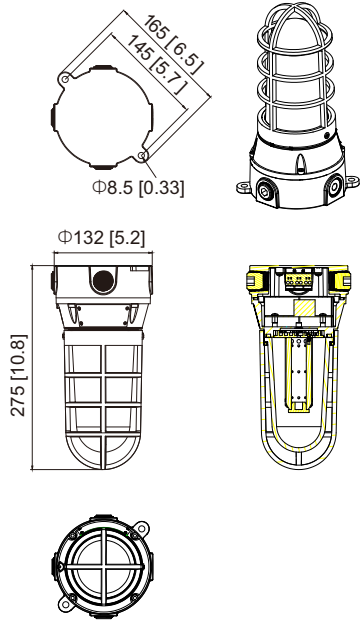
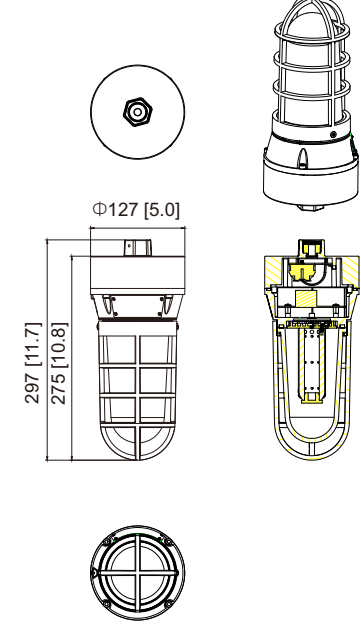
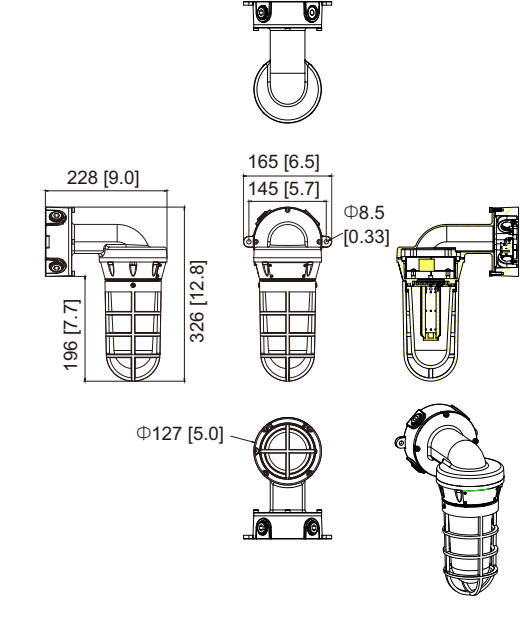
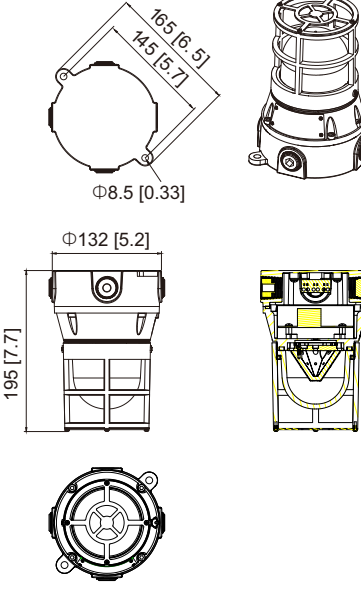
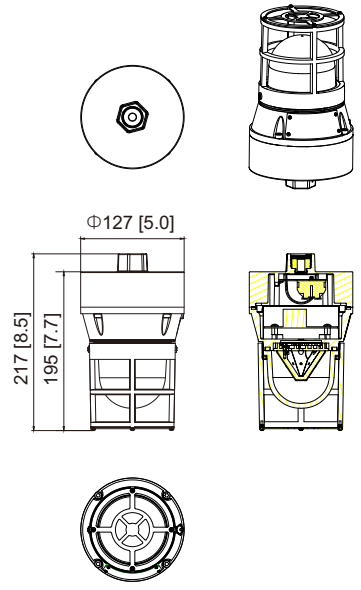
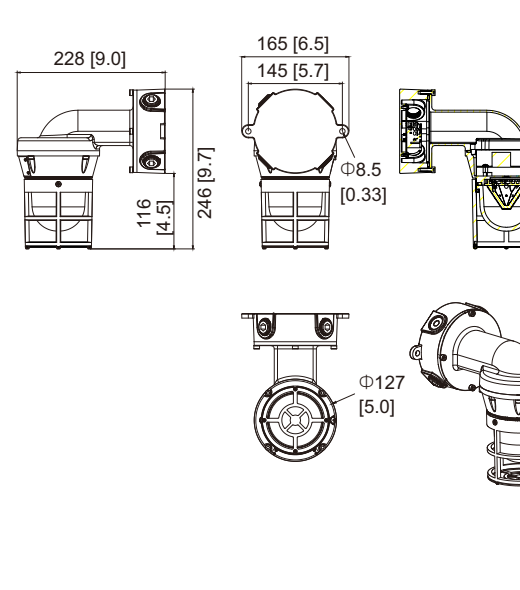
Accessories and Spare Parts

Four Types of Light Source				Three Types of Heat Sink Cover			Reflector
							
Columnar SMT LED	Cone SMT LED	Flat SMT LED	COB	A	B	C	
Three Lengths of Metal Guard			Three Lengths of Lens (Tempered Glass/PC)				Rotating Cap
							
Long	Medium	Short	Clear Long	Frosted Long	Clear Medium	Frosted Medium	for Mount with Rotating Cap
Different Colors of Lens (Tempered Glass)					Ceiling Mount Cap		Pole Mount Cap
							
Clear	Frosted	Red	Blue	Amber	Exterior	Interior	Exterior Interior
Pole		90 Degree Wall Mount Arm					
							
for Pole Mount (Ordered Separately)							

Photometry



Product Dimensions (without Emergency): mm [inch]

Ceiling Mount - Long	Pole Mount - Long	90 Degree Wall Mount - Long
		
Ceiling Mount - Medium	Pole Mount - Medium	90 Degree Wall Mount - Medium
		

Product Dimensions (without Emergency): mm [inch]

Ceiling Mount - Short	Pole Mount - Short	90 Degree Wall Mount - Short

Product Dimensions (with Emergency): mm [inch]

Ceiling Mount - Long	Pole Mount - Long	90 Degree Wall Mount - Long