LED Explosion Proof Light
G Series





TECHNICAL SPECIFICATIONS - G Series

Certifications

UL844	Marine
Class I, Division 1, Groups C,D	UL 1598 UL1598A
Class I, Division 2, Groups A,B,C,D	UL1598A
Class II, Division 1, Groups E,F,G	ABS
Class II, Division 2, Groups F,G	IP66
Class III	Impact Resistance: IK10

Standard Materials:

- Housing: Copper-free aluminum
- Diffuser: Tempered glass
- Bolts: Stainless steel
- Mounting Bracket: Stainless steel

Typical applications include:

- Oil and gas industry
- Ocean, marine and aerospace field
- Food and alcohol industry
- Chemical industry
- Metal treatment
- Other high humidity, high dust, high temperature, vapor locations.

Features

- High efficacy - up to 140 lumens per watt.
- High-quality SMT LED and Meanwell driver.
- Heavy-duty and high impact resistance.
- Replaceable LED board and drivers.
- Dimmable and battery backup function is available.
- Marine rating powder coated finish treatment.
- Three connection cable entries design makes the installation and configuration more reasonable.

Additional Features

- 10kV surge protection.
- Up to ten years limited warranty option.
- Low temperature applications to -40°C (-40°F) and high temperature up to 65°C (149°F).
- Various installation ways for different applications.
- Emergency battery backup is optional.
- Customized motion sensor is optional.
- Advanced smart system: WIFI & BLUE-TOOTH (optional).
- Adopt glass lens or glass with polycarbonate lens to make wider beam angle.

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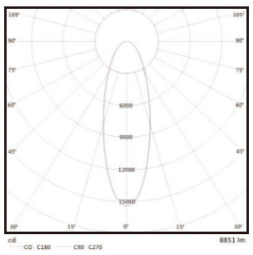
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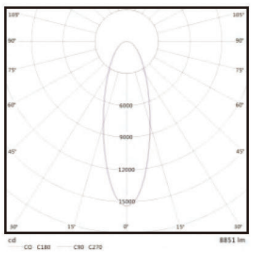
Technical Data

Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time
EX-10W GYZDA	10W	AC100-277V (by driver) or DC12-48V	1,400	140	>70	2200K-7000K	3 hours
EX-20W GYZDA	20W		2,800				
EX-30W GYZDA	30W		4,200				
EX-40W GYZDA	40W		5,600				
EX-50W GYZDA	50W		7,000				

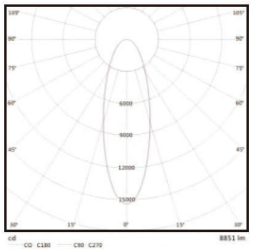
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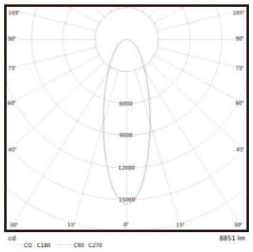
40° Flat Glass Lens



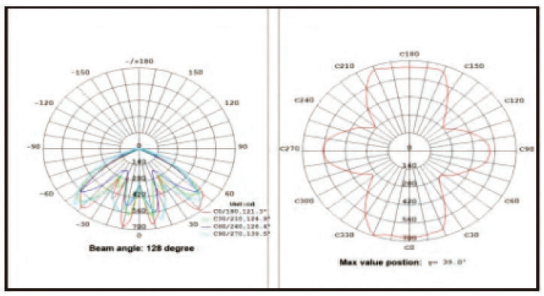
60° Flat Glass Lens



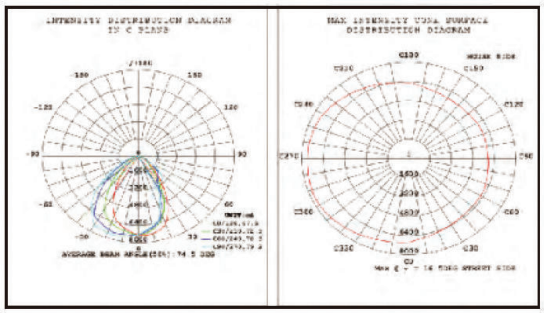
90° Flat Glass Lens



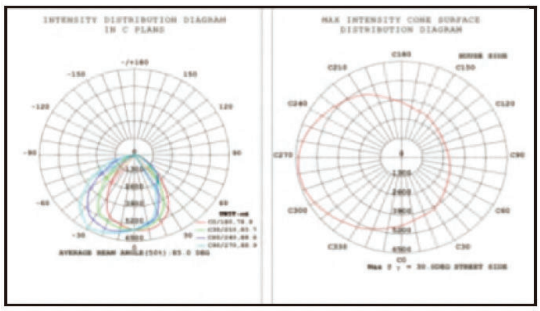
120° Flat Glass Lens



Spherical Glass Lens



Spherical Glass Lens with Lampshade



Spherical Glass Lens with Cutted Lampshade

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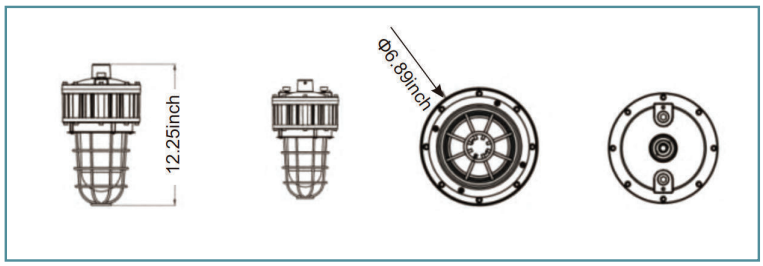
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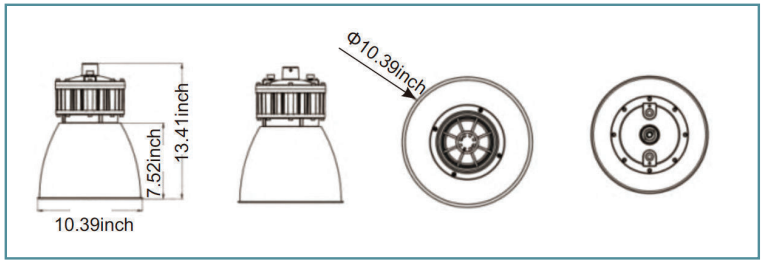
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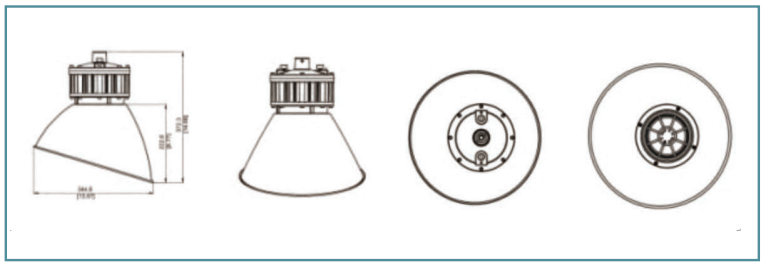
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DIMENSIONS - G Series

Dimensions:







***Remark:** This structure type with bracket, flat glass and optical lens

Installation Guidance:

WARNING! - Risk of fire, electric shock or personal injury. Please turn off power before installation!

- **READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTIONS FOR FUTURE REFERENCE.**
- **THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDOUS INVOLVED.**
- Fixtures must be wired in accordance with the National electrical code and all applicable local codes. Proper grounding is required for safety.
- Risk of fire or electric shock. Exit light installation requires knowledge of luminaires and electrical systems. **DO NOT** open the enclosure when energized. **DO NOT** try to install if not qualified. Please contact a professional electrician.
- Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to installation.
- Risk of fire or electric shock. Suitable for non-insulated surface and frame. **DO NOT** cover fixture with insulation liner or similar material.
- **DO NOT** install in unstable, loose or breakable surfaces.
- **DO NOT** let objects impact or exert force on the surface of the fixture.

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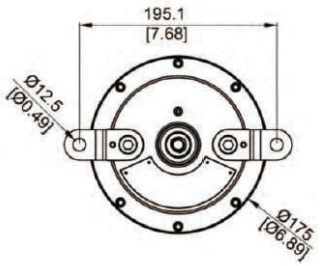
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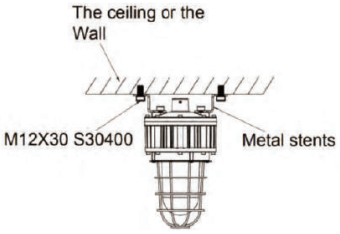
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MOUNTING METHODS
G Series - Unit: mm (inch)

Ceiling Mounting:

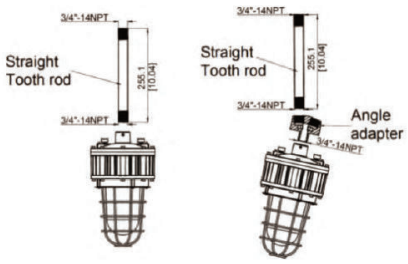


Step 1: Punch tapping on the top of the mounting.

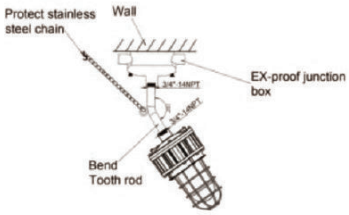


Step 2: Fix the lamp to the top with bolts.

Pendant Mounting:

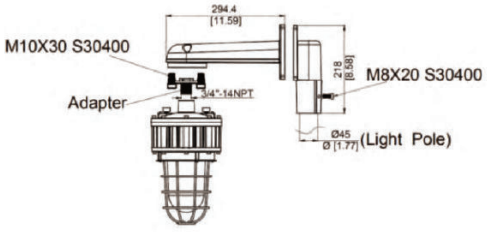


Step 1: Seal the ring until the lamp body and the joint are tightened in the junction box, then tighten the screw set.

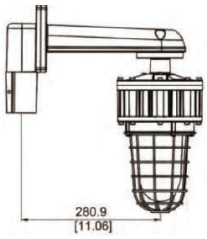


Step 2: Pass the connector through the cable, screw it in the steel tube, tighten the set screw, and then thread the cable through the spacer.

Light Pole Mounting:

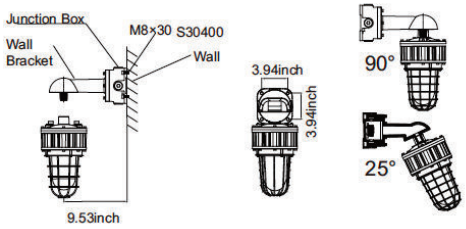


Step 1: Punch tapping on the top of the mounting.



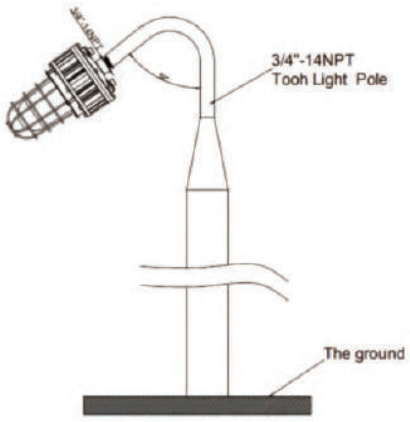
Step 2: Tighten the set screw.

Wall Mounting:



Mount the lamp body on the wall through the bracket and pass the cable through the connector, gasket and seal ring in sequence to the junction box. Then fix the lamp.

Pole Mounting:



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ACCESSORIES - G Series



Model: Ex-Junction Box
Name: Junction Box
Material: Aircraft Aluminum A383



Model: Ex-Hook
Name: Installation Hook
Material: Aircraft Aluminum A383



Model: Ex-D01
Name: Pendant Direction Adapter
Material: Aircraft Aluminum A383



Model: EX-WPipe
Name: Winding Swing Pipe
Material: Iron with Powder Coating



Model: EX-SPipe
Name: Winding Swing Pipe
Material: Iron with Powder Coating



Model: Ex-D01
Name: Pendant Direction Adapter
Material: Aircraft Aluminum A383



Model: Ex-Junction01
Name: Chain
Material: Stainless Steel S30400



Model: Model: EX-25P Support
Name: 25 Degree Pole Support
Material: Aircraft Aluminum A383



Model: EX-90P Support
Name: 90 Degree Pole Support
Material: Aircraft Aluminum A383



Model: Ex-90J Support
Name: 90° Arm to Junction box
Material: Aircraft Aluminum A383



Model: Ex-25J Support
Name: 25° Arm to Junction box
Material: Aircraft Aluminum A383

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