G Series

LED Explosion Proof Light

ALEDDRA®

Better Light for a Better Life

Certifications:

- ◉ Marking UL844 (North American)
  - ◉ Class I, Division 1, Groups C, D
  - ◉ Class I, Division 2, Groups A, B, C, D
  - ◉ Class II, Division 1, Groups E, F, G
  - ◉ Class II, Division 2, Groups F, G
  - ◉ Class III

- ◉ Marine Marking
  - ◉ UL 1598, UL1598A
  - ◉ ABS
- ◉ IP66
- ◉ Impact Resistance (Shock): IK10

Key Features:

1. High efficacy up to 120 lumens per watt.
2. High-quality COB LED and Meanwell driver.
3. Heavy-duty and high impact resistance.
4. Replaceable LED board and drivers.
5. Dimmable and battery backup function is available.
6. Marine rating powder coated finish treatment.
7. Three connection cable entries design makes the installation and configuration more reasonable.
8. LED lifespan: 50,000 hours
9. Warranty: 5 Years.

Additional Features:

◉ 6 kV 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.

◉ Frosted lens or clear lens effect are available.

Standard Materials:

◉ Housing: Copper-free aluminum

◉ Diffuser: Tempered glass

◉ Bolts: Stainless steel

◉ Mounting Bracket: Stainless steel

Catalog Number Logic:

EX - xxxW G Y Z D A

1   2   3   4   5   6   7
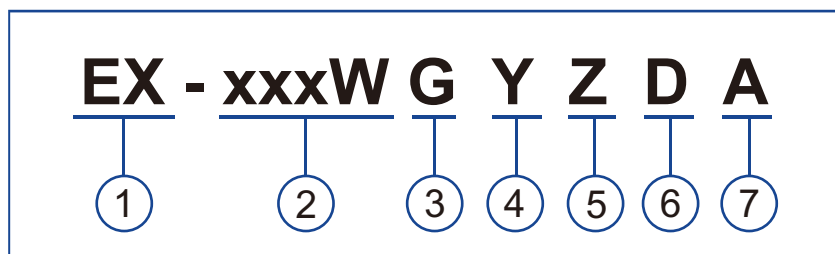
① PRODUCT CATEGORY
  ◉ Explosion proof light

② WATTAGE
  ◉ 10W/20W/30W/40W

③ PRODUCT SERIES
  ◉ G Series

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

⑤ CCT
  ◉ From 2200K to 7000K
  ◉ 22=2200K, 30=3000K, ..., 70=7000K

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

⑦ GLASS TYPE
  ◉ A=blank: Flat glass
  ◉ A=C: Spherical glass

Technical Data:

Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time (Optional)
EX-10WGYZDA	10W	AC100-277V (by driver) or DC12-48V	1,100	110	>70	2200K-7000K	3 hours
EX-20WGYZDA	20W		2,200				
EX-30WGYZDA	30W		3,300				
EX-40WGYZDA	40W		4,400				

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Dimension:

12.25inch

Ø6.89inch

13.41inch

7.52inch

10.39inch

Ø10.39inch
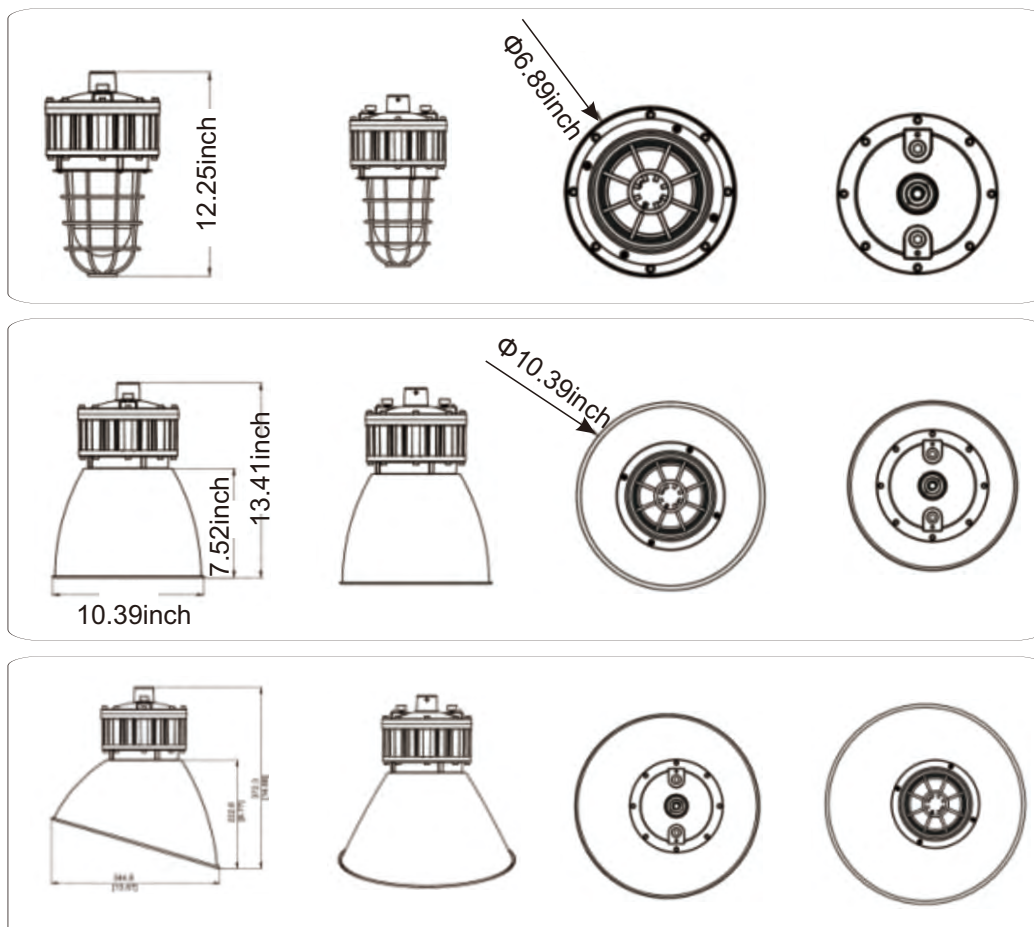
*Remark: This structure type with bracket, flat glass and optical lens generates 40°, 60°, 90° and 120° light distribution.
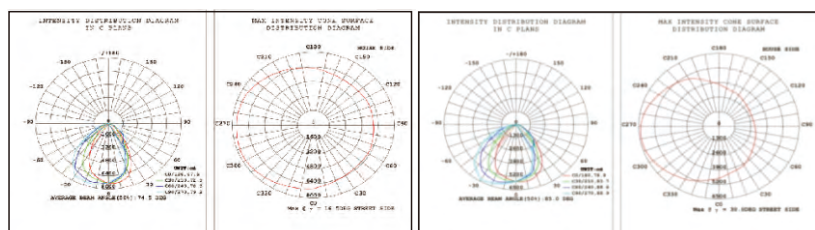
Photometry:
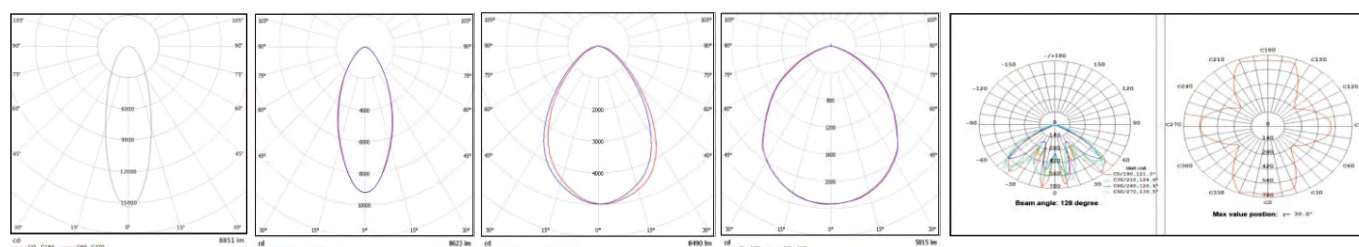
| 40° Flat Glass Lens | 60° Flat Glass Lens | 90° Flat Glass Lens | 120° Flat Glass Lens | Spherical Glass Lens |

Spherical Glass Lens with Lampshade   Spherical Glass Lens with Cutted Lampshade

Packing Information:

Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
G	1 PCS	14.96x10.43x10.04inch	4.65 kg/ 10.25 lbs	5.4 kg/ 11.90 lbs
G (with 25° pole stanchion)	1 PCS	20.08x22.05x10.24inch	6.5 kg/ 14.33 lbs	8 kg/ 17.64 lbs

Installation Guidance:

⚠️ **WARNING** Risk of fire, electric shock or personal injury. Please turn o ffpower 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 o ffprior 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.
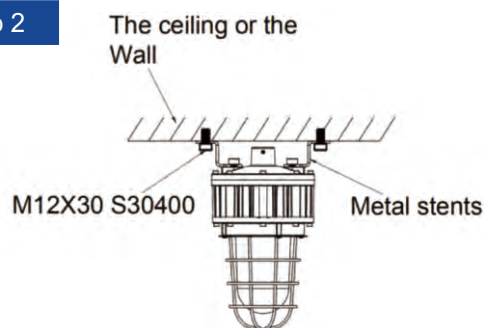
Mounting:

Unit: mm [inch]

- Ceiling Mounting:

Step 1: Punch tapping on the top of the mounting.
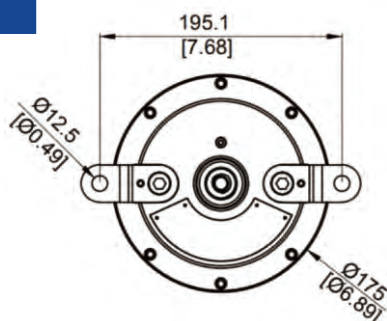
Step 2: Fix the lamp to the top with bolts.
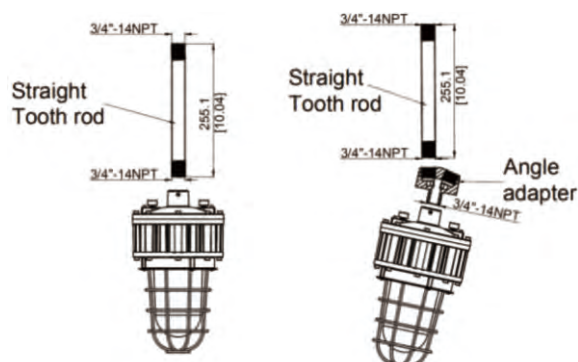
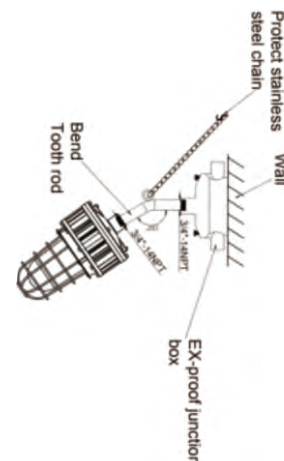## LED Explosion Proof Light - G Series

◉ Pendant Mounting:

Step 1

Step 2

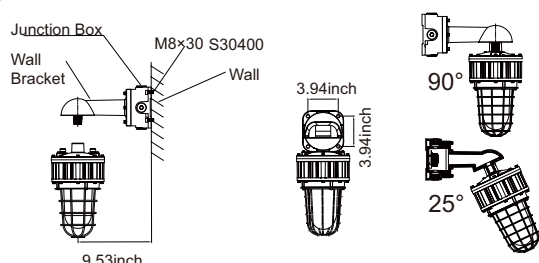Step 1: Seal the ring until the lamp boday and the joint are tightened in the junction box, then tighten the set screw.
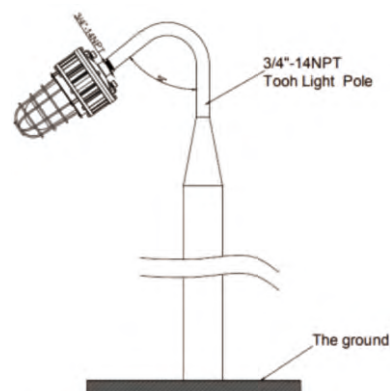
Step 2: Pass the connector through the cable, screw it in the steel tube, tighten the set screw, and then thread the cable through the spacer.
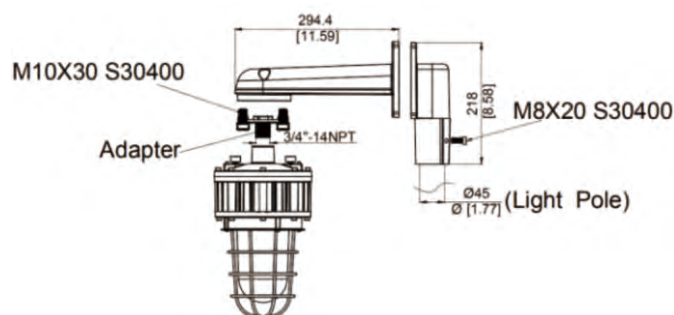
◉ Wall Mounting:

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.
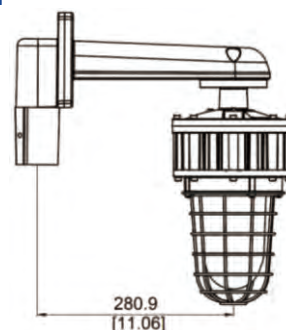
◉ Pole Mounting:

◉ Light Pole Mounting:

Step 1

Step 2

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

Step 2: Tighten the set screw.

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Accssories:

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

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

Model: Ex-Conduit01
Name: Metal Conduit
Material: Stainless Steel and Aluminum

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

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

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

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

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

◉ Food and alcohol industry
• Flour and fine particle production and storage
• Food and distilling production
• Alcohol industry

◉ 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

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