



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 UL1598, UL1598A
ABS

Other Rating IP 66
IK 10

Materials

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

Specifications

Model Name	AL-JI-GN-CID1-10	AL-JI-GN-CID1-20	AL-JI-GN-CID1-30	AL-JI-GN-CID1-40	AL-JI-GN-CID1-50
Input Wattage (W)	10 W	20 W	30 W	40 W	50 W
Voltage (V)	U (120-277V)				
Lumen Output (lm)	1,400 lm	2,800 lm	4,200 lm	5,600 lm	7,000 lm
Efficacy (lm/W)	140 lm/W	140 lm/W	140 lm/W	140 lm/W	140 lm/W
Color Rendering Index	>80 CRI				
Color Temperature	22 (2,200k) - 40 (4,000k) - 50 (5,000k) - 70 (7,000k)				
Dimming Compatible	NO				
Longevity (L70)	50,000 Hours				
Ambient Temperature	-40°C to 65°C / -40°F to 149°F				
Warranty	5 years				

Ordering Guide

EG: AL-JI-GN-CID1-30-8-40-U

Model Name	Wattage	CRI	CCT	Driver
AL-JI-GN-CID1	10: 10 W 20: 20 W 30: 30 W 40: 40 W 50: 50 W	8: >80	22: 2200k 40: 4000k 50: 5000k 70: 7000k	U: Universal 120-277V

This luminaire can be used as a spot light, down light, tunnel light, flood light, and wall pack for general illumination in hazardous locations.

FEATURES

- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver with emergency back up.
- Dimmable and battery back up function available.
- Marine rating powder coated appearance treatment.

Mounting



Ceiling Bracket
#HJCB



Wall Arm
#HJWA



Ceiling Junction Box
#HJCJB



Pendant Pipe
#HJPP



12° Pendant Pipe
#HJPP12



External Box with
Pendant Pipe
#HJEBPP



25° Pole Stanchion
#HJPS25



90° Pole Stanchion
#HJPS90



25° Junction Box
Wall Arm #HJW25



90° Junction Box
Wall Arm #HJW90

Dimensions



Angled
Reflective Hood
#HJAR



Dome Reflective Hood
#HJDR

Specifications and data are subject to change without notice.

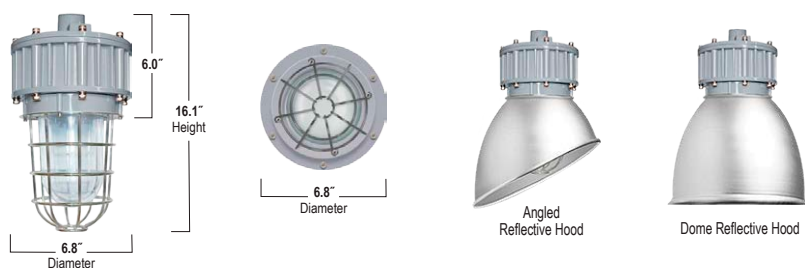
Key Features

- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver with emergency back up.
- Dimmable and battery back up function available.
- Marine rating powder coated appearance treatment.

Value-Added Features

- 10kv surge protection.
- Up to ten years limited warranty option.
- Emergency Battery back up(Option).
- Various installation ways for different applications.
- Glass lens or Glass with polycarbonate lens to make wider beam angle.
- Customized motion sensor(Option).
- Advanced smart system: WIFI & BLUE-TOOTH(Option).
- Working Temperature: $-40^{\circ}\text{C} \sim +65^{\circ}\text{C}$.

Mechanical Structure



This structure type with bracket, flat glass and optical lens to generate 40° , 60° , 90° and 120° light distribution.

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 painting 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

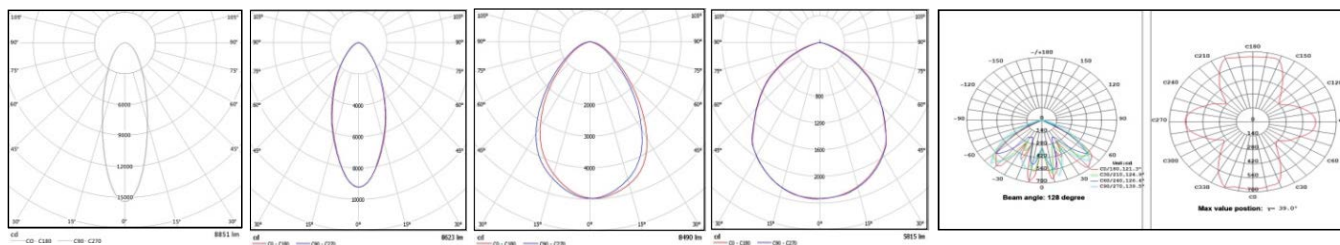
- ★ Steel and aluminum factories
- ★ Pumping stations in any environment
- ★ Metal smelting, foundry and manufacturing

Food and alcohol industry

- ★ Flour and fine particle production and storage
- ★ Food and distilling production
- ★ Alcohol industry

Other high humidity, dust, high temperature, vapor location

Lighting Distribution



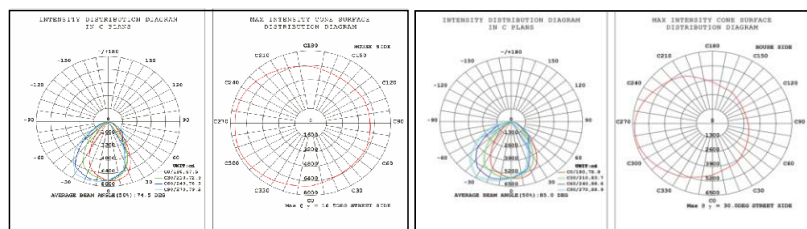
Beam Angle: 40°
Test Model: ES-409 QH0090
Flat Glass Lens

Beam Angle: 60°
Test Model: ES-409 QH0090
Flat Glass Lens

Beam Angle: 90°
Test Model: ES-409 QH0090
Flat Glass Lens

Beam Angle: 120°
Test Model: ES-409 QH0090
Flat Glass Lens

Spherical Glass Lens



Spherical Glass Lens with Lampshade

Spherical Glass Lens with Cutted Lampshade

Intallation Manual

WARNING

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTIONS 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 QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDOUS INVOLVED.

Warning: Risk of fire or electric shock. Flood 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.

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

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

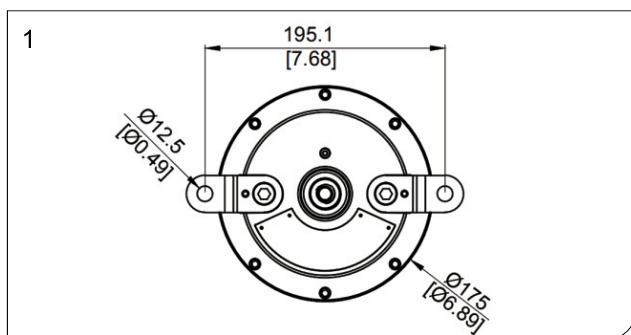
Warning: DO NOT install in unstable, loose or breakable surfaces.

Warning: DO NOT let objects impact or exert force on the surface of the fixture.

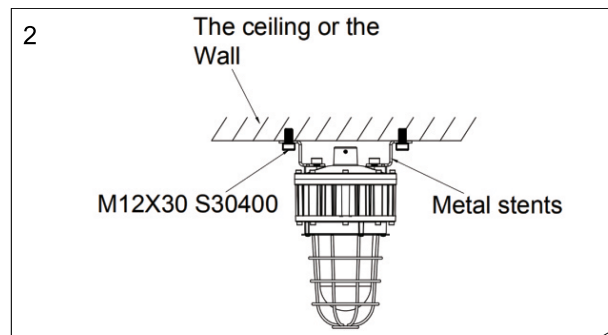


⚠ WARNING
 Risk of fire, Electric shock or personal injury
 Please turn off power before installation!

Celling Mounting

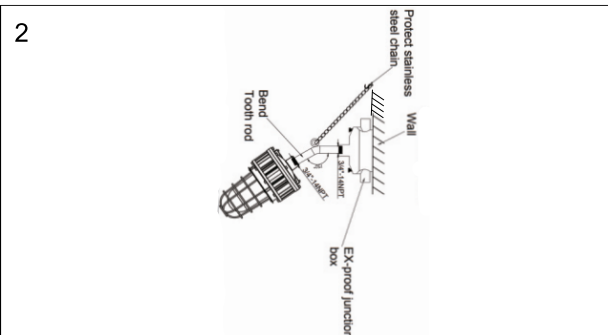
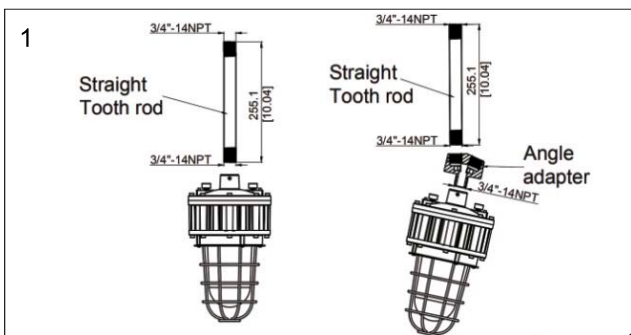


1. Punch tapping on the top of the mounting.

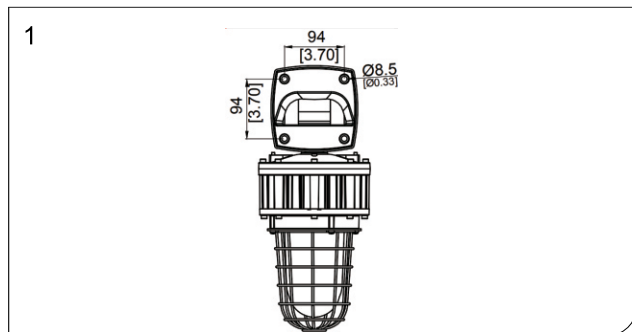


2. Fix the lamp to the top with bolts.

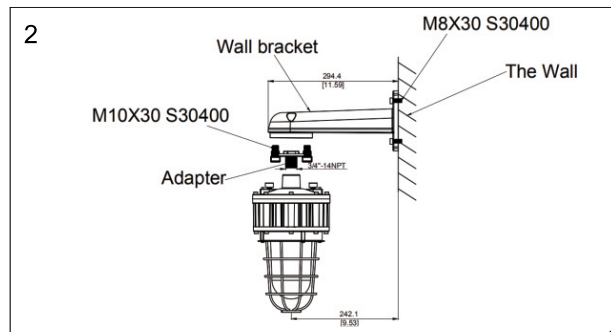
Pendant Mounting



Wall Mounting

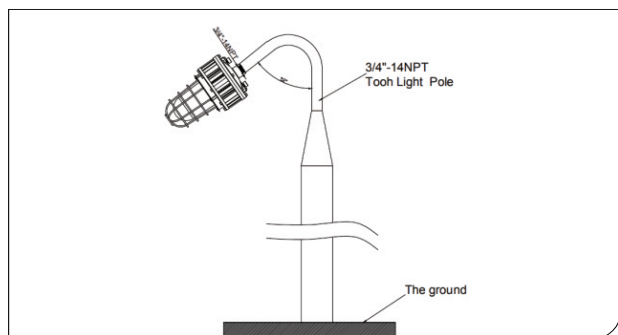


1. Mount the lamp body on the wall through the bracket, and then pass the cable through the connector, gasket, and seal ring in sequence to the junction box.



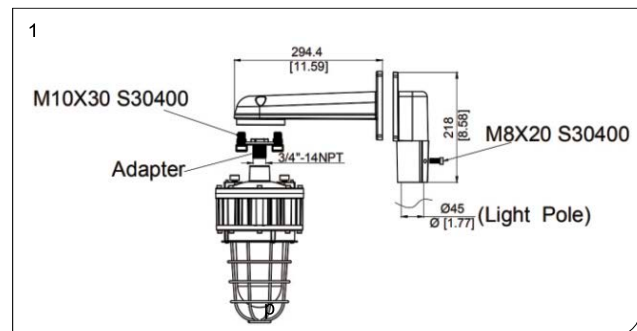
2. Fix the lamp.

Pole Mounting

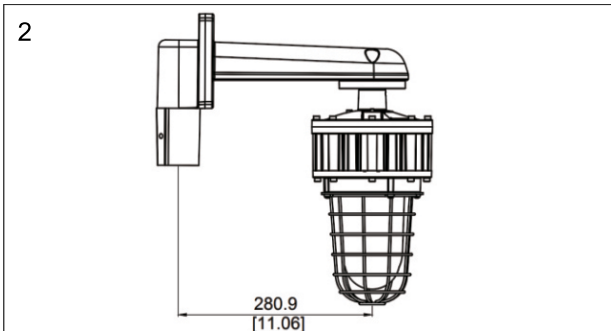


Mount the lamp on the pole.

Light Pole Mounting



1. Punch tapping on the top of the mountin .



2. Tighten the set screw.

Packing Information

Model	Quantity/Ctn	Length(cm)	Width (cm)	Height(cm)	Net(Kg)	Gross(Kg)
G	1	38	26.5	25.5	4.65	5.4
G(+25°pole stanchion)	1	51	56	26	6.5	8

Accessories



● Model: Ex-Junction01
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