

Model F Specification



Explosion Proof

LED High Bay



Materials

- ★ Housing: Die-casting aluminum
- ★ Diffuser: Tempered glass Bolts:
- ★ Stainless steel
- ★ Mounting Bracket: Stainless steel

Basic Data



Explosion Protection

Marking Atex	II2 G Ex db op is IIB T4/T5 Gb II2 D Ex op is tb IIIC T135°C Db IP66
Marking IECEX	Ex db op is IIB T4/T5 Gb Ex op is tb IIIC T135°C Db IP66
Marking UL844 <small>(North American)</small>	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
Marking Marine	UL 1598A ABS and DNV Type Approved
Other Rating	IP 66 IK 10

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 locations

Part number	Wattage	CCT	Voltage Options	Lumens	Warranty	CRI	Emergency Time (Option)
YB-20W FYZDA	20	2700K-7000K	AC: 100-277V <input type="checkbox"/> AC: 200-480V <input type="checkbox"/> DC: 12-36V <input type="checkbox"/>	2800	5 years	70+	3 hours
YB-40W FYZDA	40			5600			
YB-60W FYZDA	60			8400			
YB-80W FYZDA	80			11200			

"F"=Product series. "Y"=D or N:Dimmable or non-dimmable "Z"=CCT, from 2700-7000K. "D"=Beam angle, D40 for40° , D60 for60° , D90 for90° , D120 for 120° . A for glass info., blank for flat glass, C for spherical glass.

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Key Features

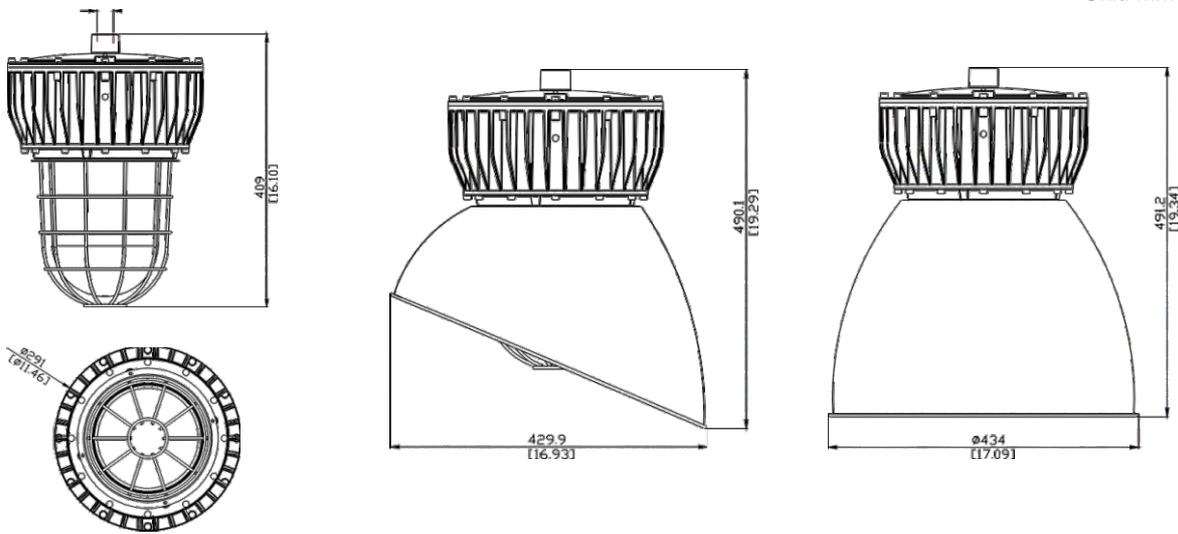
- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver.
- Dimmable and battery back up function available.
- Marine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

Value-Added Features

- 10kv surge protection.
- Up to ten years limited warranty option.
- Emergency Battery back up(Option).
- Working temperature can be more than 85°C.
- 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).

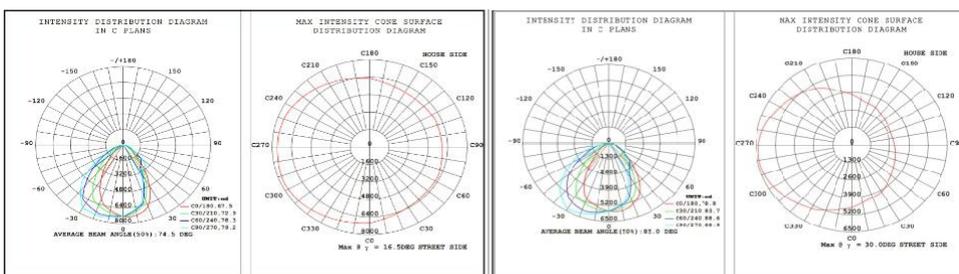
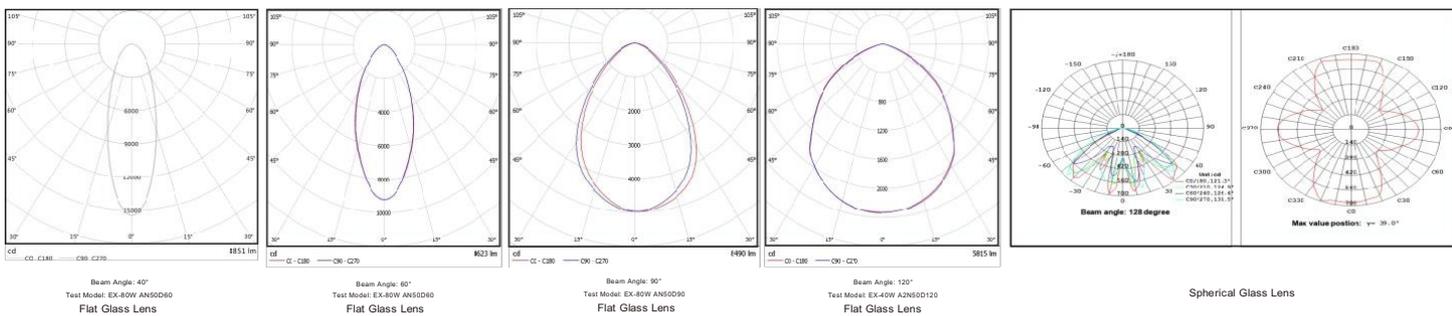
Mechanical Structure

Unit: mm or inch



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

Lighting Distribution



Spherical Glass Lens with Lampshade

Spherical Glass Lens with Cutted Lampshade

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Installation 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. High bay 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.

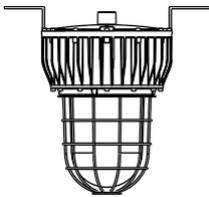
Warning: DO NOT install in unstable, loose or breakable surfaces.

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

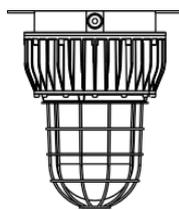
Ceiling Mounting



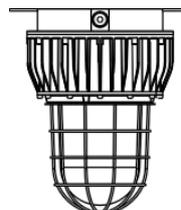
WARNING
Risk of fire, Electric shock or personal injury
Please turn off power before installation!



1. Take the fixture and accessory out from carton box, and tighten 2x angle holder screw as Fig. 1.



2. Install the flexible metal conduit and tighten it with the fixture.

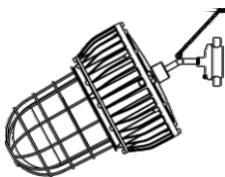


3. Drill 2x hole as Fig.2, the distance can be 75 -125mm. Fix ϕ 10 -12 expanded screws and bracket on ceiling.



4. Connect the AC cable. Black cable connects to L. White cable connects to N. Green cable connects to grounding.

Wall Mounting



1. Take the fixture and accessory out from carton box, and tighten 2x angle holder screw as Fig. 1.



2. Install flexible metal conduit and tighten with the fixture.

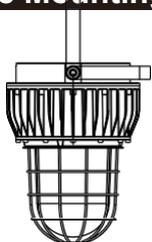


3. Drill 2x hole as Fig.2, the distance can be 91-140mm. Fix ϕ 10 expansion screws and bracket on the wall.

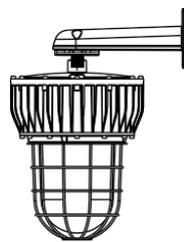


4. Connect the AC cable. Black cable connects to L. White cable connects to N. Green cable connects to grounding.

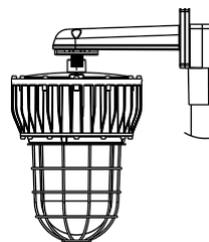
Pole Mounting



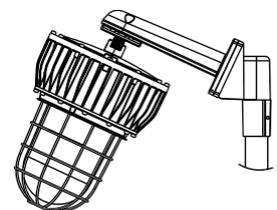
1. Take the fixture and pole accessory out from carton box, and tighten pole as Fig.1.(Linear pole)



2. Connect the AC cable to installation box. Black cable connects to L. White cable connects to N. Green cable connects to grounding.



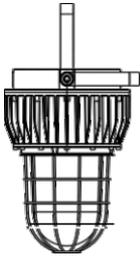
3. Install the installation box to the wall or ceiling as Fig.2. Tighten the pole to the box, and adjust the chain of balance.



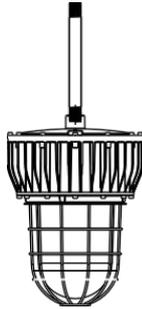
4. Install the fixture to the pole after connecting the cable.

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Pendant Mounting



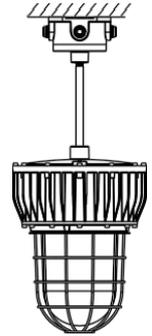
1. Take the fixture and accessory out from carton box as Fig.1.



2. Tighten the hook with the fixture as Fig.2.



3. Drill 1 expansion screw hole and install it, and hang the chain as Fig.3.



4. Hang the fixture to the hook as above. Connect the AC cable. Black cable connects to L. White cable connects to N. Green cable connects to grounding.

Packing Information

Model	Quantity/Ctn	Length(cm)	Width (cm)	Height(cm)	Net weight(kg)	Gross weight (kg)
F(Spherical glass)	1	52	45	53	10.8	12.5

Accessories



- Model: YB-Junction01
Name: Junction Box
Material: Aircraft Aluminum A383



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



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



- Model: YB-WPipe
Name: Winding Swing Pipe
Material: Iron with Power Coating



- Model: YB-SPipe
Name: Winding Swing Pipe
Material: Iron with Power Coating



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



- Model: YB-MArm
Name: Surface Mounting Arm
Material: Aircraft Aluminum A383



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



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



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



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



- Model: YB-DARm
Name: Direct Mounting Arm
Material: Aircraft Aluminum A383



- Model: YB-PCH
Name: Pendant Chain
Material: Stainless Steel S30400