

# Series E Specification



## Explosion Proof

### LED High Bay



### Explosion Protection

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

Marking Marine UL 1598A

Other Rating IP 66

### 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

### Materials

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

### Basic Data

Product Number	Wattage	CCT	Voltage Options	Lumens	Warranty	CRI	Emergency Time(Optional)
YB-20W EYZDA	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 EYZDA	40			5600			
YB-60W EYZDA	60			8400			
YB-80W EYZDA	80			11200			
YB-100W EYZDA	100			14000			
YB-120W EYZDA	120			16800			
YB-150W EYZDA	150			21000			

“E”=Product series; “Y”=D or N: Dimmable or non-dimmable; “Z”=CCT, from 2700K-7000K; “D”=Beam angle: 40°, 60°, 90°, 120°; A for glass info., blank for flat glass, C for spherical glass.

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## Key Features

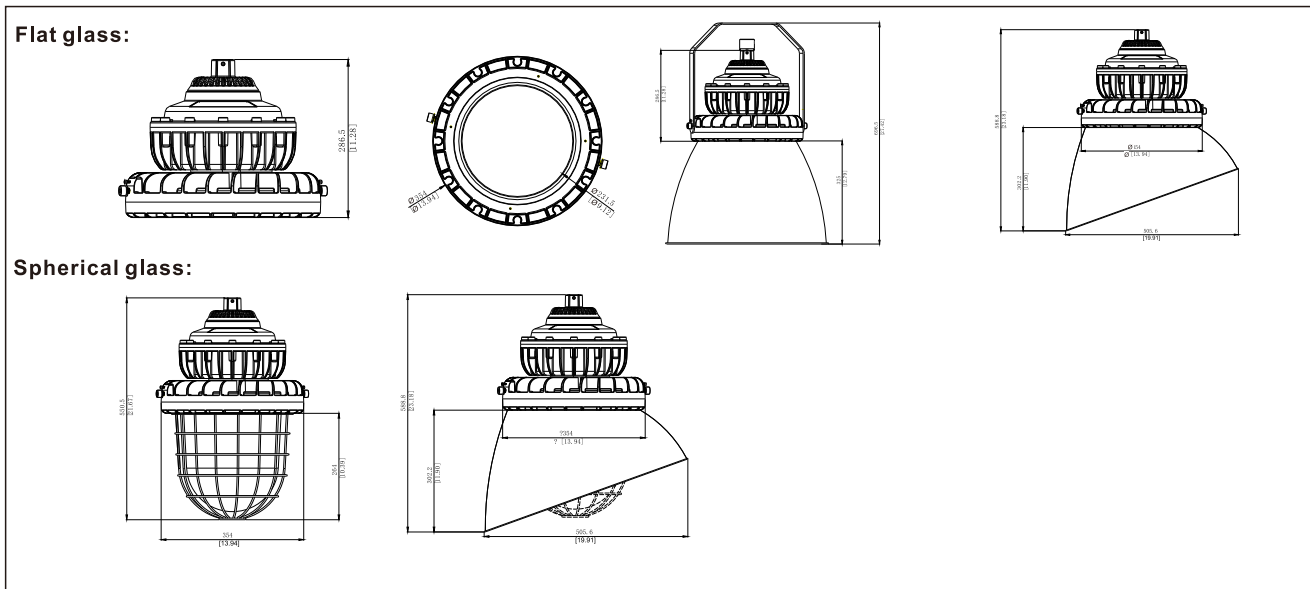
- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver.
- Marine rating powder coated appearance treatment.
- Multiple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

## Value-Added Features

- 10kv surge protection.
- Emergency Battery back up(Optional).
- Working temperature can be more than 85°C.
- Glass lens or Glass with polycarbonate lens to make wider beam angle.
- Advanced smart system: WIFI & BLUE-TOOTH(Optional).

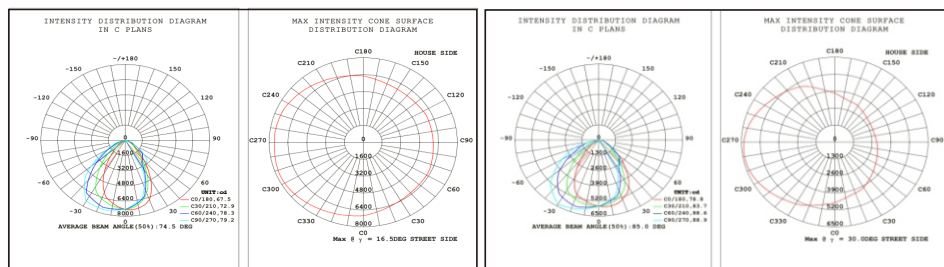
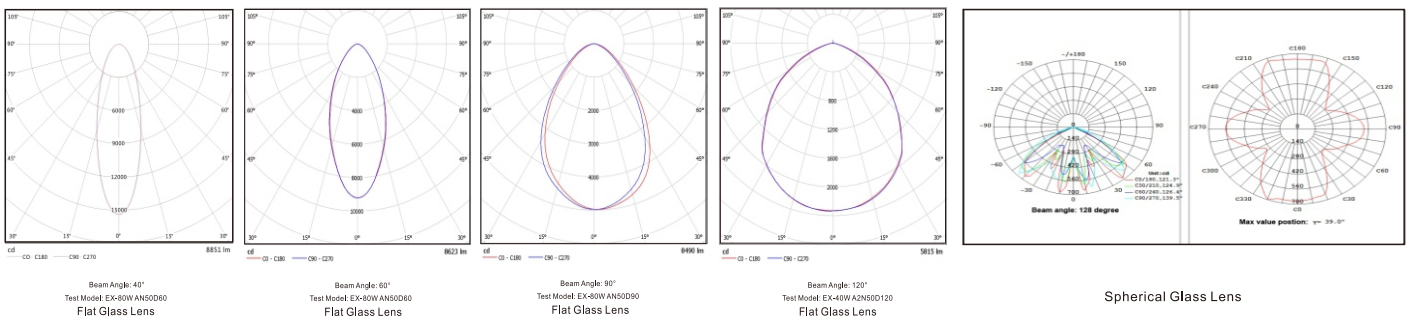
## Mechanical Structure

Unit: mm or inch



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

## Lighting Distribution



Spherical Glass Lens with Normal Reflector

Spherical Glass Lens with Oblique Reflector

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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 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.

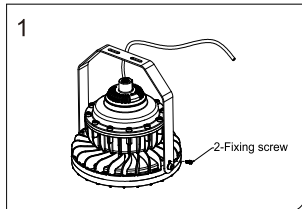
**Warning:** DO NOT install in unstable, loose or breakable surfaces.

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

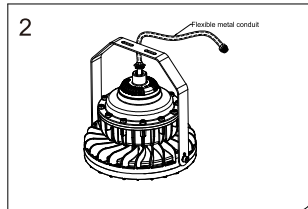
## Ceiling Mounting



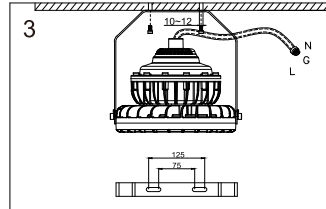
**WARNING**  
Risk of fire, Electric shock or personal injury  
Please turn off power before installation!



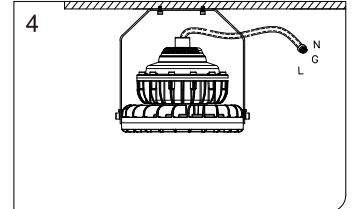
1. Take the fixture and accessory out from carton box, and tighten 2x angle holder screw as Fig.1.



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

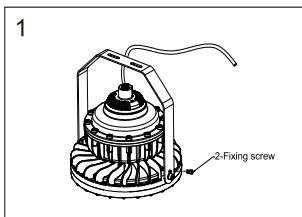


3. Drill 2 holes as Fig.2 at the distance of 75-125mm. Fix  $\phi$  10-12 expanded screws and bracket on the ceiling.

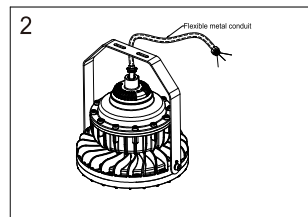


4. Connect the AC cable. Connect black cable to L, white cable to N, and green cable to grounding.

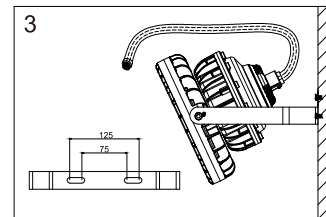
## Wall Mounting



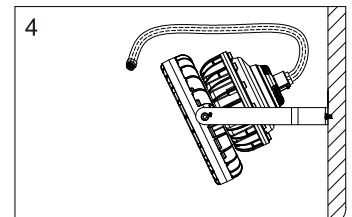
1. Take the fixture and accessory out from carton box, and tighten 2 fixing screws as Fig.1.



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

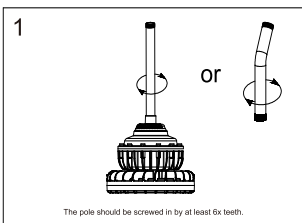


3. Drill 2x hole as Shown in Fig.2. The distance can be 91-140mm. Then fix  $\phi$  10 expansion screws and bracket on the wall.

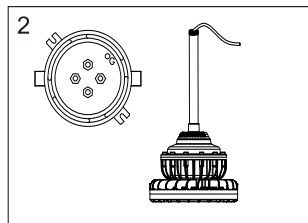


4. Connect black cable to L, white cable to N, and green cable to grounding.

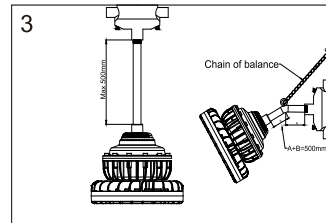
## Pole Mounting



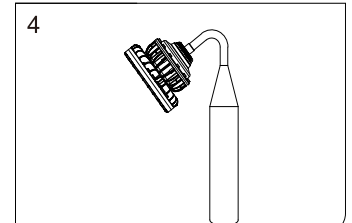
1. Take the fixture and pole accessory out from carton box, then tighten the pole as shown in Fig.1.  
The pole should be screwed in by at least 6x teeth.



2. Connect black cable to L, white cable to N, and green cable to grounding.



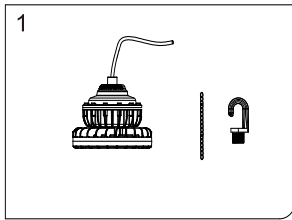
3. Install the junction box to the wall or ceiling as Fig.2. Tighten the pole to the box, and adjust the chain of balance.



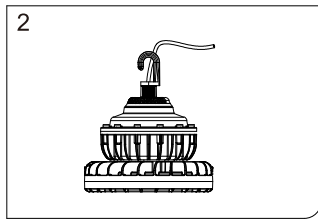
4. Install the fixture to the pole after connecting the cable.

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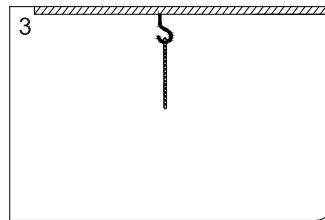
## Hook Pendant



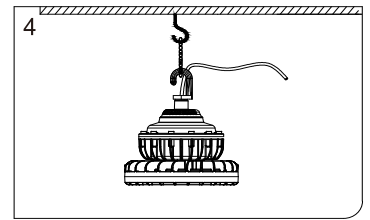
1. Take the fixture and accessory out from carton box as Fig.1.



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



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



4. Hang the fixture to the hook as above. Connect the AC cable. Connect black cable to L, white cable to N, and green cable to grounding.

## Packing Information

Model	Quantity/Ctn	Length(cm)	Width(cm)	Height(cm)	Net weight(kg)	Gross weight (kg)
E(Flat glass)	1	48	50.5	45.5	15.2	17
E(Spherical glass)	1	66	50.5	45.5	19.5	22.5

## 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