


Series D Specification

Explosion Proof

LED High Bay/Low Bay/Flood Light/Wall Pack



Explosion Protection

Marking Atex	 II2 G Ex db op is IIB T4/T5 Gb II2 D Ex op is tb IIIC T135°C Db
Marking IECEX	Ex db op is IIB T4/T5 Gb Ex op is tb IIIC T135°C Db IP66
Marking UL844 (North American)	Class I, Div. 1, Groups C, D Class I, Div. 2, Groups A,B,C,D Class II, Div. 1, Groups E,F,G Class II, Div. 2, Groups F,G Class III
Marine Marking	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 paint 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 fabrication

Food and alcohol industry

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

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

Materials

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

Basic Data

Part Number	Wattage	CCT	Voltage Options	Lumens	Warranty	CRI	Emergency Time
YB-20W D2YZDA	20	4000K-5700K	AC100-277V □ DC12-36V □	2800	5 Years	70+	3 Hours
YB-40W D2YZDA	40			5600			
YB-60W D2YZDA	60			8400			
YB-80W D2YZDA	80			11200			
YB-100W DYZDA	100		AC100-277V □ AC200-480V □ DC12-36V □	14000			
YB-150W DYZDA	150			21000			
-180W DYZDA	180			25200			

“D,D2”=Product series; “Y”=D or N: Dimmable or non-dimmable; “Z”=CCT, from 4000-5700K; “D”=Beam angle, D40 for 40° , D60 for 60° , D90 for 90° , 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 with emergency back up.
- Dimmable and battery back up function available.
- Marine rating powder coated appearance treatment.

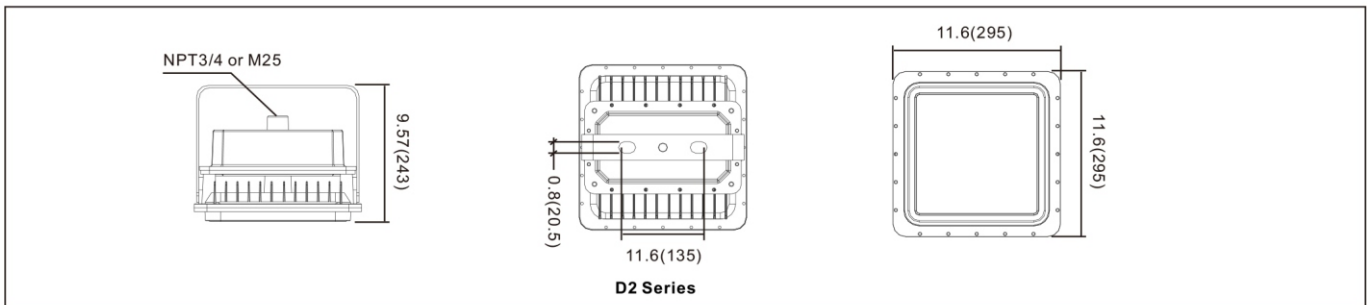
Value-Added Features

- 10kV surge protection.
- up to ten years limited warranty option.
- Emergency battery back up.
- Working temperature can be more than 85°C.
- Various installation ways for different applications.
- Glass lens or glass with polycarbonate lens to make bigger beam angle.
- Customized motion sensor
- Advance Smart System options- WIFI & Bluetooth

Mechanical Structure

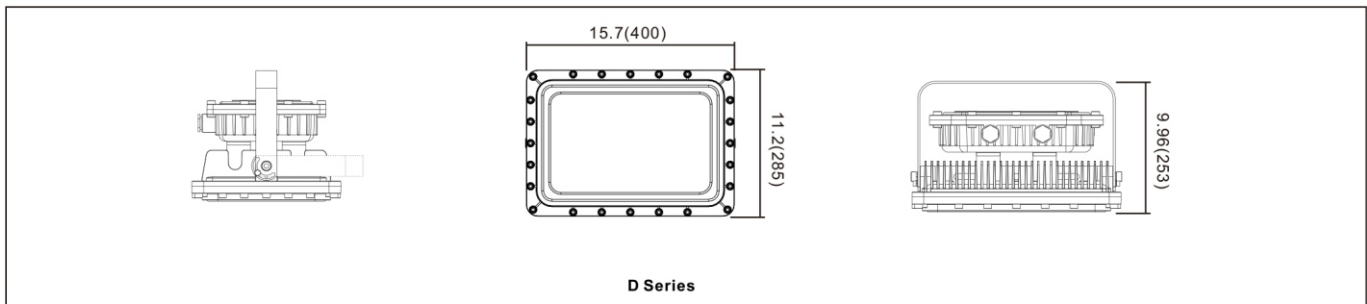
Unit: mm or inch

D2 Series



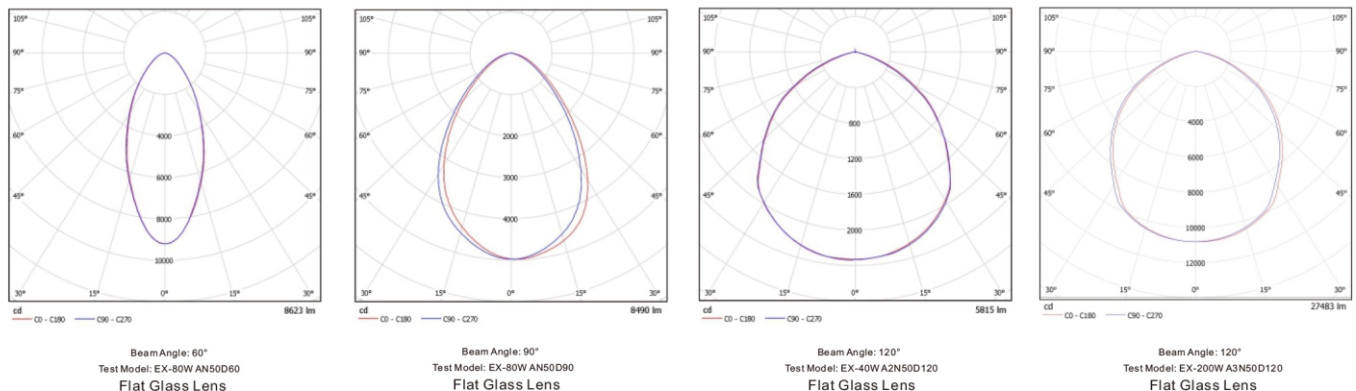
This structure type with bracket, flat glass and optics lens to generate 40°, 60°, 90° and 120° light distribution.

D Series



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

Lighting Distribution



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Installation Manual

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 A QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

Warning: Risk of fire or electric shock. High bay Light installation requires knowledge of luminaires and electrical systems. If not qualified, DO NOT try to install. Please contact an electrician.

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

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

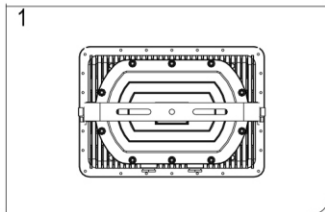
Warning: DO NOT install in unstable, loose or breakable surfaces.

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

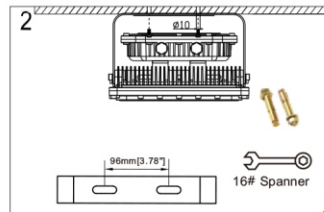
Ceiling Mounting



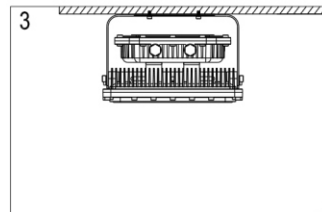
WARNING
Risk of fire, Electric shock or personal injury
Please turn off power before installation!



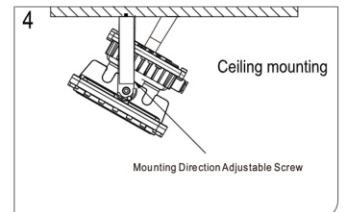
2. Flexible metal conduit install and tighten with the fixture.



3. Drill 2x hole as Fig.2, the distance can be 91~140mm, fixing $\varnothing 10$ expanded crews and bracket on ceiling.

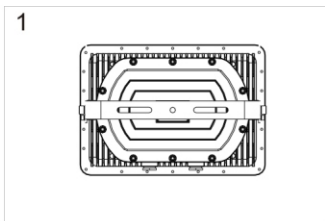


4. Connect the AC cable, Black cable connect to L, white cable connect to N, green cable connect to grounding.

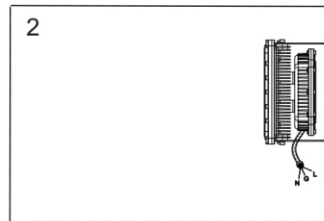


5. Adjust the beam angle from 0-180°.

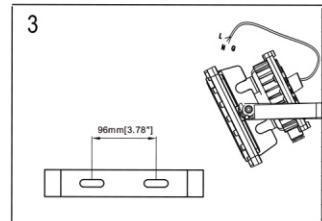
Wall Mounting



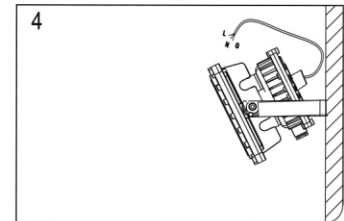
1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.



2. Flexible metal conduit install and tighten with the fixture.

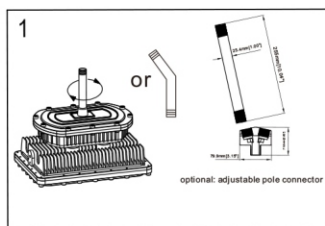


3. Drill 2x hole as Fig.2, the distance can be 91~140mm, fixing $\varnothing 10$ expansion screws and bracket on ceiling.

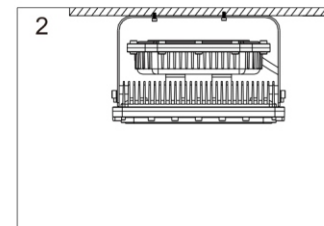


4. Connect the AC cable, Black cable connect to L, white cable connect to N, green cable connect to grounding.

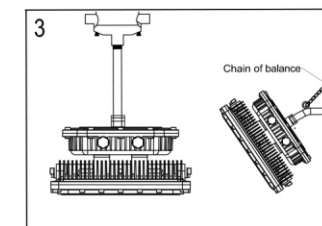
Pole Mounting



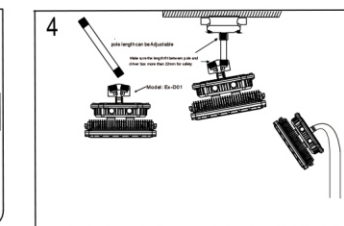
1. Take the fixture and pole accessory out from cartoon box, tighten pole as Fig.1.



2. Connect the AC cable to junction box, black cable connect to L, white cable connect to N, green cable connect to grounding.



3. Drill 4x $\varnothing 10$ mm holes, as 100mm distance, install the junction box to the wall or ceiling as Fig.3, tighten the pole to the box, and adjust the chain of balance.



4. Adjustable pole installation. With this adjustable kit, you can Make any light distribution direct as you want. Optional: Install the fixture to the long pole after cable connecting.

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Packing Information

D Series	Quantity/Ctn	Length(cm)	Width (cm)	High(cm)	Net weight (kg)	Gross weight (kg)
D	1	50.2	37.6	35	17.9	19.5
D2	1	40	38.5	33.5	7	9.5

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