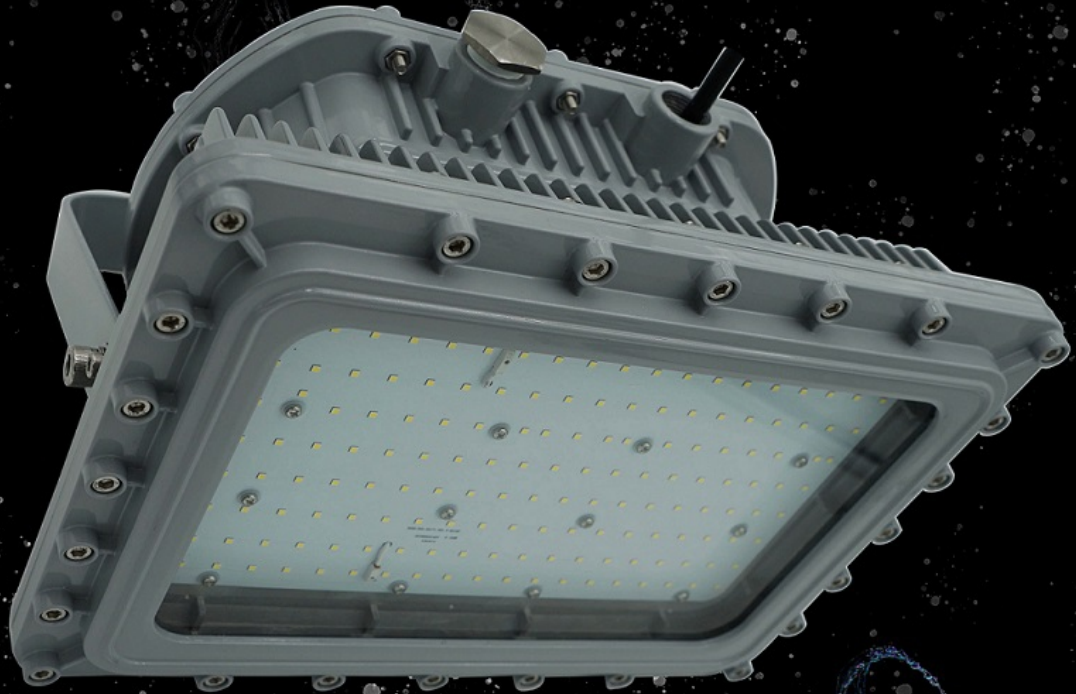




EVERY INDUSTRY

LED EXPLOSION PROOF LIGHT EXPERT



Series D

Rated power: 40~220W

Input: 100-277/200-480V

**Ratings and protection level**

INGRESS PROTECTION: IP66

UL844/UL1598/UL1598A/CAS C22.2 No.137/No.250.0

Class I Div.1, Groups C, D

Class I Div.2, Groups A, B, C, D

Class II Div.1&2, Groups E, F, G

Class III

Zone 1/2

Zone 21/22



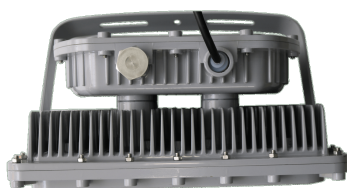
Series D2

EVERY INDUSTRY LLC  
www.everyindustry.com



## Explosion Proof

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



### 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 |
|---------------|---------|-------------|---|--------|----------|-----|----------------|
| EX-20W D2YZDA | 20      | 4000K-5700K | AC100-277V <input type="checkbox"/><br>DC12-36V <input type="checkbox"/>  | 2800   | 5 Years  | 70+ | 3 Hours        |
| EX-40W D2YZDA | 40      |             |   | 5600   |          |     |                |
| EX-60W D2YZDA | 60      |             |   | 8400   |          |     |                |
| EX-80W D2YZDA | 80      |             |   | 11200  |          |     |                |
| EX-100W DYZDA | 100     |             | AC100-277V <input type="checkbox"/><br>AC200-480V <input type="checkbox"/><br>DC12-36V <input type="checkbox"/> | 14000  |          |     |                |
| EX-150W DYZDA | 150     |             |   | 21000  |          |     |                |
| EX-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.

### Explosion Protection

|  |  |
|--|--|
| Marking ATEX                                     |  IIC G Ex db op is IIB T4/T5 Gb<br>IIC D Ex op is tb IIIC T135°C Db |
| Marking IECEx                                    | Ex db op is IIB T4/T5 Gb<br>Ex op is tb IIIC T135°C Db IP66  |
| Marking UL844<br><small>(North American)</small> | Class I, Div. 1, Groups C, D<br>Class I, Div. 2, Groups A,B,C,D<br>Class II, Div. 1, Groups E,F,G<br>Class II, Div. 2, Groups F,G<br>Class III         |
| Marine Marking                                   | UL 1598A<br>ABS and DNV Type Approved  |
| Other Rating                                     | IP 66<br>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

## 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.

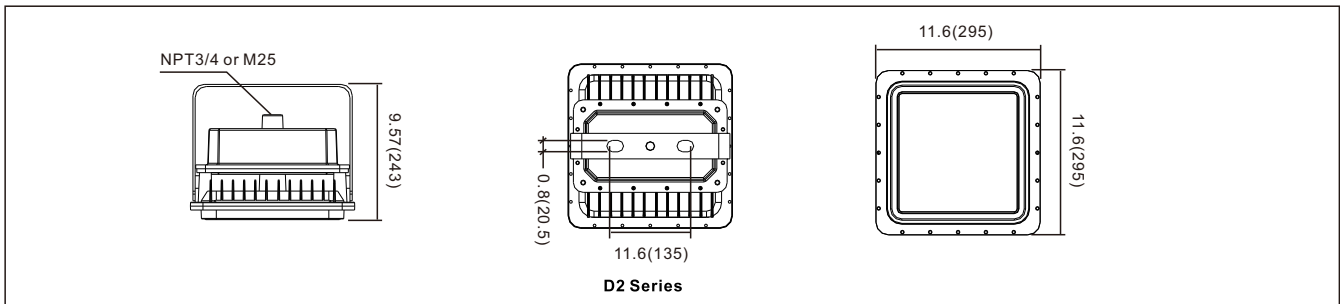
## Value-Added Features

- 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

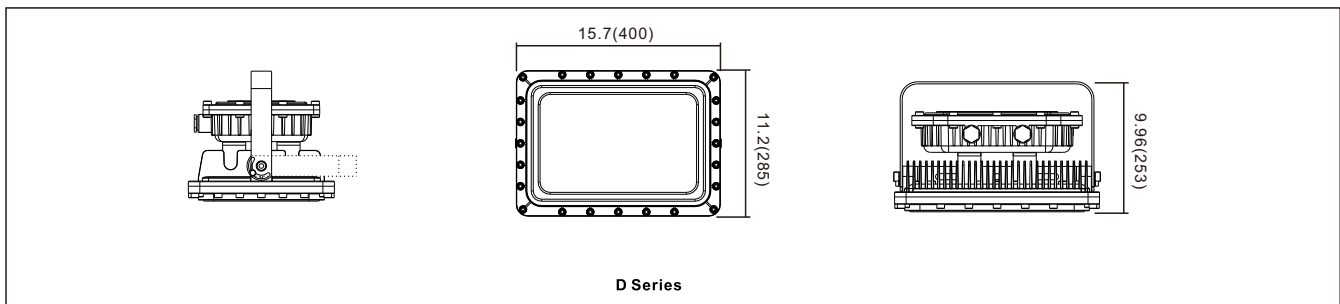
Unit: inch

### D2 Series



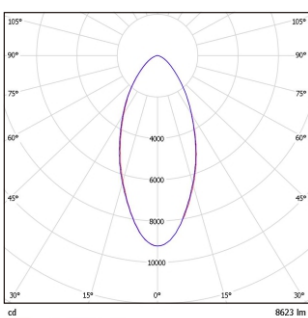
This structure type with bracket, flat glass and optics lens to generate 40°, 60°, 90° and 120° light distribution.

### D Series

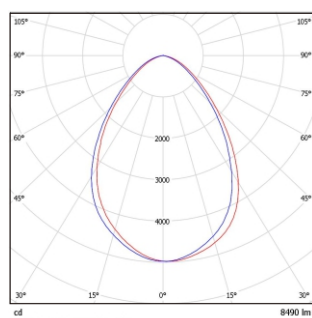


This structure type with bracket, flat glass and optics lens to generate 40°, 60°, 90° and 120° light distribution.

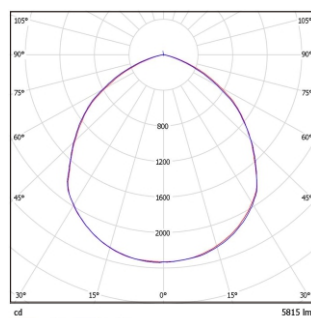
## Lighting Distribution



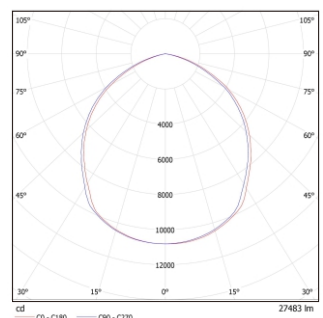
Beam Angle: 60°  
Test Model: EX-80W AN50D60  
Flat Glass Lens



Beam Angle: 90°  
Test Model: EX-80W AN50D90  
Flat Glass Lens



Beam Angle: 120°  
Test Model: EX-40W A2N50D120  
Flat Glass Lens



Beam Angle: 120°  
Test Model: EX-200W A3N50D120  
Flat Glass Lens

## 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.

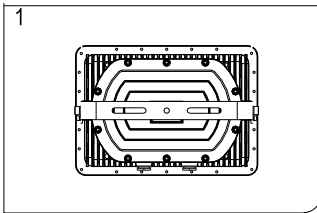
**Warning:** DO NOT install in unstable, loose or breakable surfaces.

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

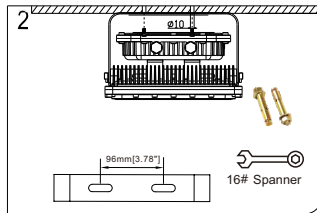
## Ceiling Mounting



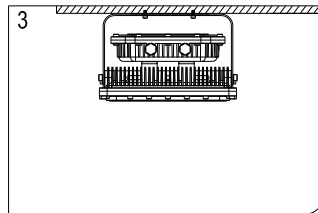
**WARNING**  
Risk of fire, Electric shock or personal injury  
Please turn off power before installation!



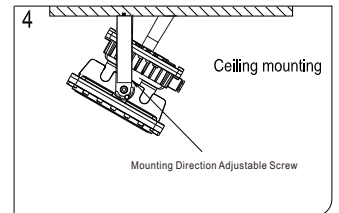
1. Flexible metal conduit install and tighten with the fixture.



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

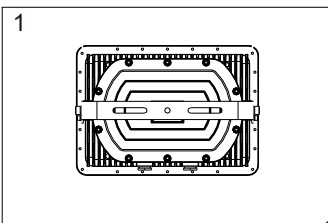


3. Connect the AC cable, Black cable connect to L, white cable connect to N, green cable connect to grounding.

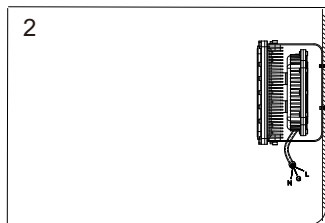


4. Adjust the beam angle from 0-180°.

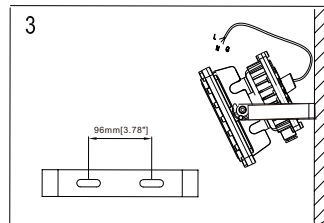
## Wall Mounting



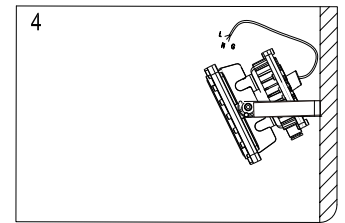
1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.



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

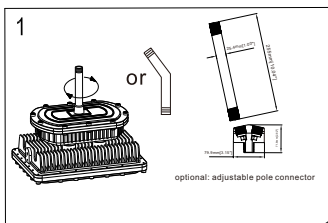


3. Drill 2x hole as Fig.2, the distance can be 91~140mm, fixing  $\varnothing 10$  expansion screws and bracket on ceiling.

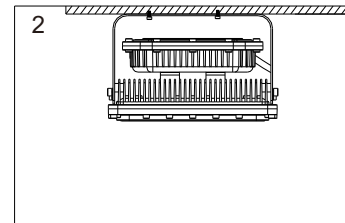


4. Connect the AC cable, Black cable connect to L, white cable connect to N, green cable connect to grounding.

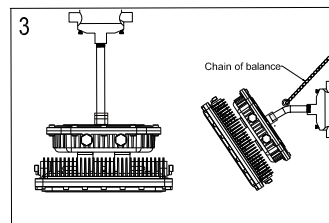
## Pole Mounting



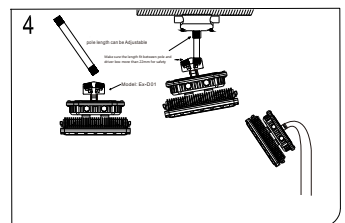
1. Take the fixture and pole accessory out from cartoon box, tighten pole as Fig.1.



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.

## 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: 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-MArm  
Name: Surface Mounting Arm  
Material: Aircraft Aluminum A383



- 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



- Model: Ex-DArm  
Name: Direct Mounting Arm  
Material: Aircraft Aluminum A383



- Model: Ex-Junction01  
Name: Chain  
Material: Stainless Steel S30400