

## Applications

This luminaire can be used as spot light, down light and tunnel light which can provide general illumination in hazardous locations, such as:

- Refinery factory
- Oil and gasoline loading dock
- Gas station
- Painting manufacture workshop
- Pumping station
- Metal Smelting Plant
- Mining
- Ocean platform
- Aerospace
- Chemical plant
- Vessel
- Military
- Flour mill
- Distillerie
- Power station
- Other high humidity, high temperature, dusty location...



## D2 Series

## Features

- High efficacy: up to 140lm/W
- CRI>70
- Surface mounting and pendant installation
- Wide and narrow optics for uniform illumination
- Copper free aluminum
- High vibration resistance

## Ratings and Certifications

- **NEMA 4X, IP66**
- **UL1598/UL1598A/UL844**
- **CSA C22.2 No.137/No.250.0**  
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 E,F,G  
Class III
- **Marine and Wet Locations**
- **IECEX**
- **ATEX**
- **5 years or other warranty period specified in agreement**
- **L70 rating for more than 150000 hours**



## Typical Model Specification

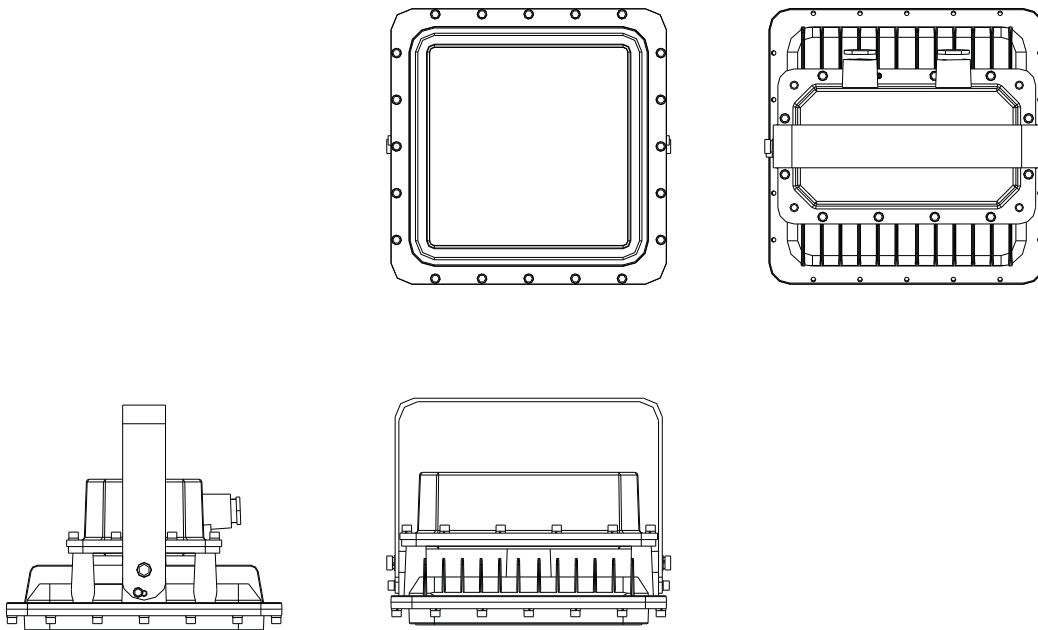
Product Number	Wattage	Color	Voltage	Lumens	Working Hours	CRI
EX-20W D2YZDA	20	4000K-5700K	AC100-277V or AC200-480V	2800	5 years	70
EX-40W D2YZDA	40	4000K-5700K	AC100-277V or AC200-480V	5600	5 years	70
EX-60W D2YZDA	60	4000K-5700K	AC100-277V or AC200-480V	8400	5 years	70
EX-80W D2YZDA	80	4000K-5700K	AC100-277V	11200	5 years	70

"D2"=Product series "Y"=D or N:Dimmable or non-dimmable "Z"= CCT, from 4000~5700K "D"=Beam angle: 40°, 60°, 90°, 120°

## Mechanical Information

	Size (in)
AC100-277V models	11.6x11.6x9.55
AC200-480V models	11.6x11.6x9.55

## Structure Diagram



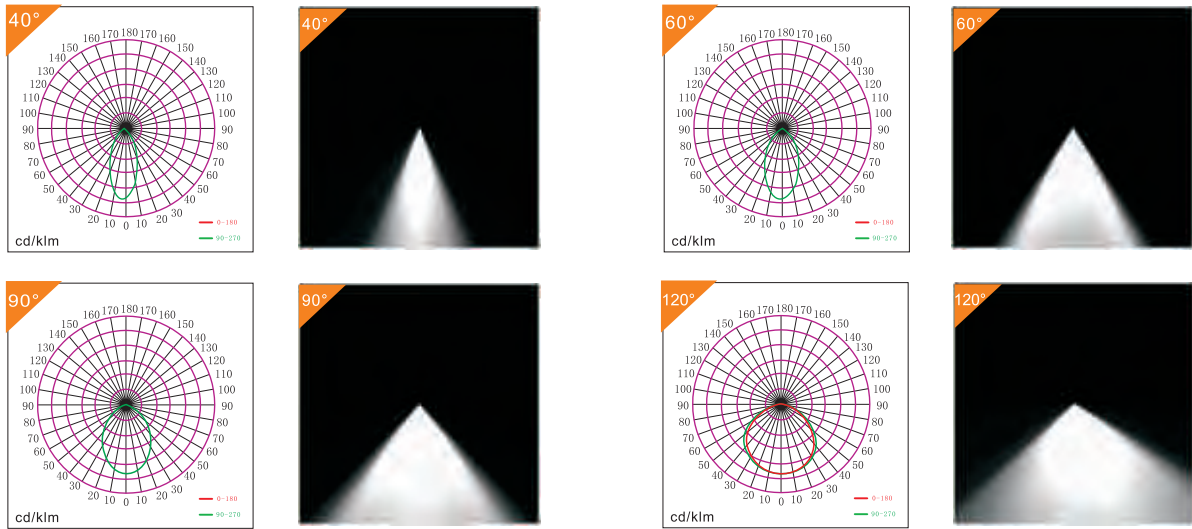


Safe.  
Reliable.  
Efficient.

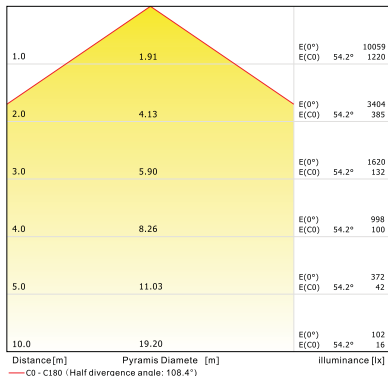
The unique light distribution design, light type and angle precision control of the LED light source, to avoid light pollution and ineffective utilization of light; soft light, no glare, will not cause eye fatigue of workers, improve working efficiency.

### Professional Light Distribution

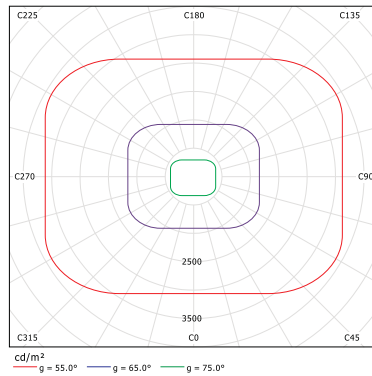
#### Light Distribution Pattern



#### Light intensity curve(80W)



#### Plane illuminance curve



## Mounting Method

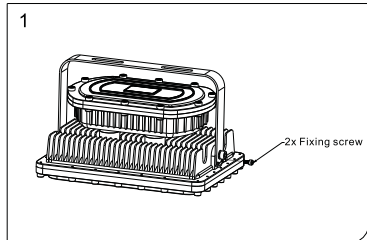
Explosion proof light can be surface and pendant mounted by bringing down a rigid conduit to the light fixture.

Mounting Option Note:

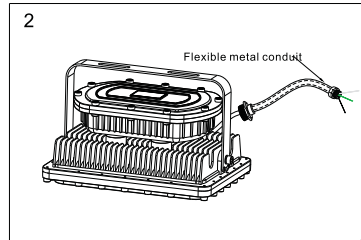
Pendant mounting option requires conduit be supplied by the installer.

### Rectangle luminaire mounting

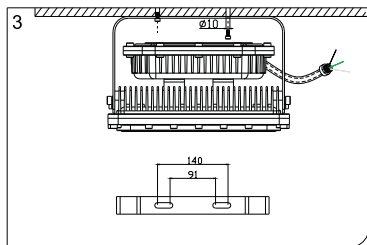
#### 1 The specific steps of installation (Ceiling mounted)



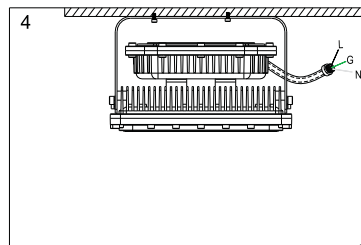
1. Take the fixture and accessory out from cartoon 2. Through the cable to flexible metal conduit and tighten it with the fixture.



2. Through the cable to flexible metal conduit and tighten it with the fixture.

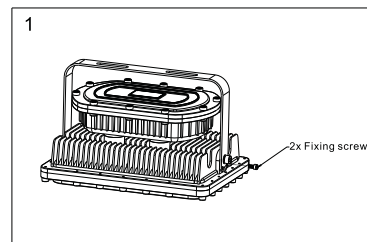


3. Drill 2x hole as Fig.3, the distance can be 91~140mm, fixing  $\varnothing 10$  expansion screws and bracket on ceiling.

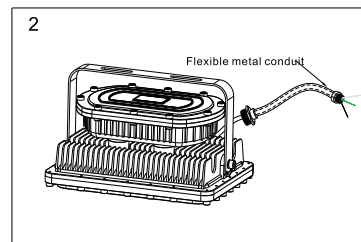


4. Connect the AC cable, Black cable joins to Live wire, white cable joins to Null wire, green cable joins to grounding.

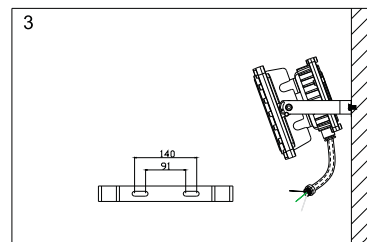
#### 2 The specific steps of installation (Wall mounted)



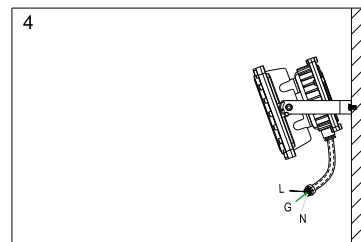
1. Take the fixture and accessory out from cartoon 2. Through the cable to flexible metal conduit and tighten it with the fixture.



2. Through the cable to flexible metal conduit and tighten it with the fixture.



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



4. Connect the AC cable, Black cable joins to Live wire, white cable joins to Null wire, green cable joins to grounding.