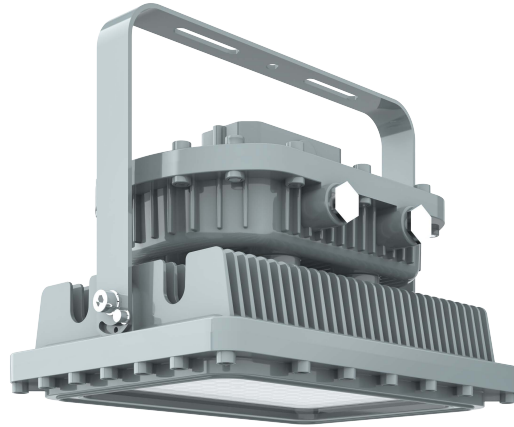


# D Series

## LED Explosion Proof Light



### Certifications:

- ◆ 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
- ◆ ATEX Marking
  - ◆ II 2 G Ex db IIB T6...T4 Gb
  - ◆ II 2 D Ex tb IIIC T80°C...T120°C Db IP66
- ◆ IECEx Marking:
  - Ex db IIB T6...T4 Gb
  - Ex tb IIIC T80°C...T120°C Db IP66
- ◆ Marine Marking
  - ◆ UL 1598, UL1598A
  - ◆ ABS
- ◆ IP66
- ◆ IK10
- ◆ Ambient Temperature:
  - ◆ -40°C to 40°C (T6)
  - ◆ -40°C to 55°C (T5)
  - ◆ -40°C to 65°C (T4)

### Standard Materials:

- ◆ Housing: Copper-free aluminum
- ◆ Lens: Tempered glass
- ◆ Hardware: Stainless steel
- ◆ Mounting Bracket: Stainless steel

## Key Features:

- ① Dimmable and battery backup function is available.
- ② High-quality SMT LED and Meanwell driver.
- ③ Heavy-duty and high impact resistance.
- ④ Replaceable LED board and drivers.
- ⑤ Integrated junction box for driver.
- ⑥ Marine rating powder coated finish treatment.
- ⑦ Various installation ways for different applications.
- ⑧ Glass lens or polycarbonate lens for making different beam angles.

## Additional Features:

- ◆ Emergency battery backup is available.
- ◆ 5-year warranty.
- ◆ Low temperature applications to -40°C (-40°F) and high temperature up to 55°C (131°F).

## Catalog Number Logic:

**EX - xxxW - Dx Y Z D A**

1

2

3

4

5

6

7

### ① PRODUCT CATEGORY

- ◆ Explosion proof light

### ② WATTAGE

- ◆ 20W-220W

### ③ PRODUCT SERIES

- ◆ D
- ◆ D2

### ④ DIMMING OPTION

- ◆ D= dimmable
- ◆ N= Non-dimmable

### ⑤ CCT

- ◆ From 2200K to 7000K
- ◆ 22=2200K, 30=3000K, ..., 70=7000K

### ⑥ BEAM ANGLE

- ◆ D40= 40°
- ◆ D90= 90°
- ◆ D60= 60°
- ◆ D120= 120°

### ⑦ GLASS TYPE

- ◆ A=blank: Flat glass
- ◆ A=C: Spherical glass

## Photometry:

| Center Beam fc |        | Beam Width |      |
|----------------|--------|------------|------|
| 4ft            | 2008fc | 4ft        | 4ft  |
| 8ft            | 480fc  | 7ft        | 7ft  |
| 12ft           | 203fc  | 11ft       | 11ft |
| 16ft           | 115fc  | 15ft       | 16ft |
| 20ft           | 98fc   | 19ft       | 23ft |

■ Vert, Spread: 40°  
 ■ Horiz, Spread: 40°

40°

| Center Beam fc |        | Beam Width |      |
|----------------|--------|------------|------|
| 4ft            | 1434fc | 6ft        | 5ft  |
| 8ft            | 343fc  | 11ft       | 11ft |
| 12ft           | 145fc  | 17ft       | 14ft |
| 16ft           | 81fc   | 22ft       | 23ft |
| 20ft           | 69fc   | 27ft       | 31ft |

■ Vert, Spread: 60°  
 ■ Horiz, Spread: 60°

60°

| Center Beam fc |        | Beam Width |      |
|----------------|--------|------------|------|
| 4ft            | 1024fc | 8ft        | 8ft  |
| 8ft            | 255fc  | 15ft       | 16ft |
| 12ft           | 105fc  | 24ft       | 26ft |
| 16ft           | 58fc   | 32ft       | 33ft |
| 20ft           | 39fc   | 39ft       | 45ft |

■ Vert, Spread: 90°  
 ■ Horiz, Spread: 90°

90°

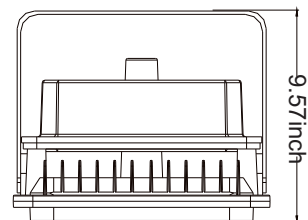
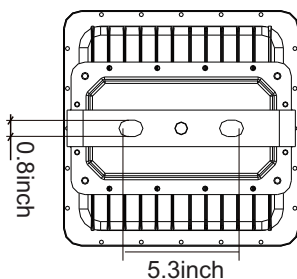
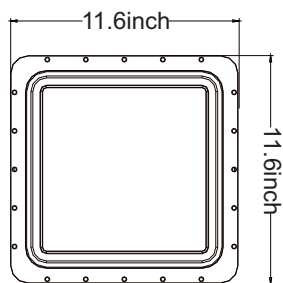
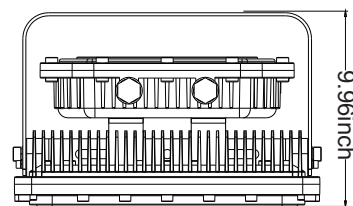
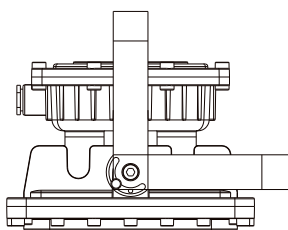
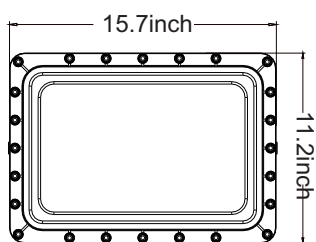
| Center Beam fc |       | Beam Width |      |
|----------------|-------|------------|------|
| 4ft            | 683fc | 11ft       | 11ft |
| 8ft            | 170fc | 21ft       | 22ft |
| 12ft           | 73fc  | 32ft       | 33ft |
| 16ft           | 39fc  | 43ft       | 45ft |
| 20ft           | 26fc  | 53ft       | 56ft |

■ Vert, Spread: 120°  
 ■ Horiz, Spread: 120°

120°

**Technical Data:**

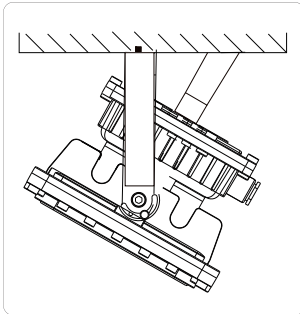
| Model         | Wattage | Operating Voltage               | Lumens (lm) | Efficacy (lm/W) | CRI | CCT         | Emergency Time |
|---------------|---------|---------------------------------|-------------|-----------------|-----|-------------|----------------|
| EX-20W D2YZDA | 20W     | AC100-277V/200-480V or DC12-48V | 2,800       | 140             | >70 | 2200K-7000K | 3 hours        |
| EX-40W D2YZDA | 40W     |                                 | 5,600       |                 |     |             |                |
| EX-60W D2YZDA | 60W     |                                 | 8,400       |                 |     |             |                |
| EX80W D2YZDA  | 80W     |                                 | 11,200      |                 |     |             |                |
| EX-100W DYZDA | 100W    |                                 | 14,000      |                 |     |             |                |
| EX-150W DYZDA | 150W    |                                 | 21,000      |                 |     |             |                |
| EX-200W DYZDA | 200W    |                                 | 28,000      |                 |     |             |                |
| EX-220W DYZDA | 220W    |                                 | 30,800      |                 |     |             |                |

**Dimensions:**
**D2 Series**

**D Series**

**Packing Information:**

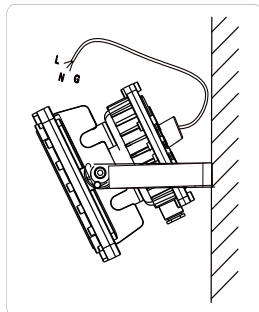
| Model | Quantity/Carton | Packing Size          | Net Weight         | Gross Weight       |
|-------|-----------------|-----------------------|--------------------|--------------------|
| D2    | 1 PCS           | 15.75x15.16x13.19inch | 7 kg/ 15.43 lbs    | 9.5 kg/ 20.94 lbs  |
| D     | 1 PCS           | 19.76x14.80x13.78inch | 17.9 kg/ 39.46 lbs | 19.5 kg/ 42.99 lbs |

## Mounting Methods:

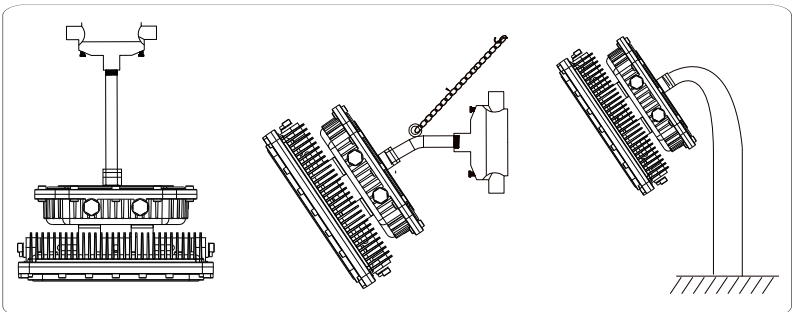
### ◆ Ceiling Mounting:



### ◆ Wall Mounting:



### ◆ Pole Mounting:



## Accessories:



- **Model: Ex-Junction Box**  
Material: Aircraft Aluminum A383



- **Model: EX-Straight Pipe**  
Name: Straight Pipe  
Material: Iron



- **Model: Ex-Conduit 01**  
Name: Metal Conduit  
Material: Stainless Steel and Aluminum



- **Model: EX-Bended Pipe**  
Name: Bended Pipe  
Material: Iron



- **Model: Ex-Chain**  
Name: Pendant Chain  
Material: Stainless Steel S30400



- **Model: Ex-Bracket**  
Name: U-bracket  
Material: Stainless Steel

## Application :

- ◆ Oil and gas industry
  - All petroleum production and refining
  - Petroleum loading and transportation
  - Petroleum storage and retail
  - LNG industry
  - All mining operations and service
- ◆ Ocean, marine and aerospace field
  - Ocean platform operation facilities
  - Aerospace clean room and production
  - Ocean vessel operations
- ◆ Food and alcohol industry
  - Flour and fine particle production and storage
  - Food and distilling production
  - Alcohol industry
- ◆ Chemical industry
  - All types of paint facilities
  - Chemical production and storage
- ◆ Metal treatment
  - Steel and aluminum factories
  - Pumping stations in any environment
  - Metal smelting, foundry and fabrication
- ◆ Other high humidity, high dust, high temperature, vapor locations.