

# H Series

## LED Explosion Proof Light



H2



H4

### Certifications:

- ◆ Marking ATEX
  - ◆ II3 G Ex ec IIC T5/T6 Gc
  - ◆ II2 D Ex tb IIIC T80/100°C Db IP66
- ◆ Marking IECEX
  - ◆ Ex ec IIC T5/T6 Gc
  - ◆ Ex tb IIIC T80/100°C Db IP66
- ◆ Marking UL844 (North American)
  - ◆ 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
- ◆ Marine Marking
  - ◆ UL 1598
  - ◆ UL1598A
  - ◆ ABS
  - ◆ IP66

## LED Explosion Proof Light - H Series

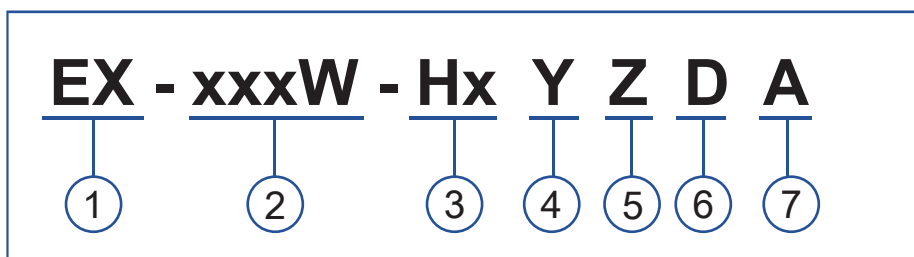
### Key Features:

- 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.
- ⑨ 5-year warranty.
- ⑩ Low temperature applications to -40°C (-40°F) and high temperature up to 60°C (140°F).

### Standard Materials:

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

### Catalog Number Logic:



① **PRODUCT CATEGORY**  
◆ Explosion proof light

② **WATTAGE**  
◆ 20W/40W/60W

③ **PRODUCT SERIES**  
◆ H2 ◆ H4

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

# LED Explosion Proof Light - H Series

## Technical Data:

| Model         | Wattage | Operating Voltage               | Lumens (lm) | Efficacy (lm/W) | CRI | CCT         | Emergency Time |
|---------------|---------|---------------------------------|-------------|-----------------|-----|-------------|----------------|
| EX-20W H2YZDA | 20W     | AC100-277V/200-480V or DC12-48V | 2,800       | 140             | >70 | 2200K-7000K | 3 hours        |
| EX-40W H2YZDA | 40W     |                                 | 5,600       |                 |     |             |                |
| EX-40W H4YZDA | 40W     |                                 | 5,600       |                 |     |             |                |
| EX-60W H4YZDA | 60W     |                                 | 8,400       |                 |     |             |                |
| EX-80W H4YZDA | 80W     |                                 | 11,200      |                 |     |             |                |

## Photometry:

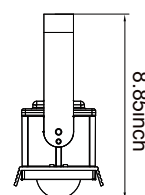
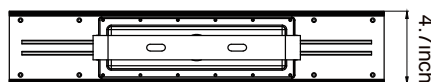
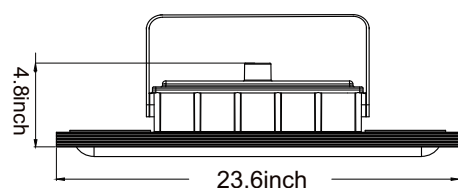
|      | Center Beam fc | Beam Width |       |
|------|----------------|------------|-------|
| 10ft | 25fc           | 30ft       | 34ft  |
| 20ft | 6fc            | 59ft       | 67ft  |
| 30ft | 3fc            | 89ft       | 100ft |
| 40ft | 1fc            | 148ft      | 134ft |
| 50ft | 0.6fc          | 178ft      | 168ft |

■ Vert, Spread; 120°  
■ Horiz, Spread; 120°

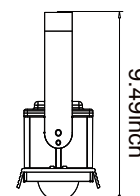
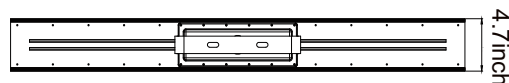
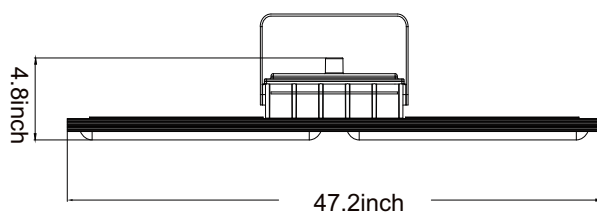
120°

## Dimensions:

### H2 Series



### H4 Series



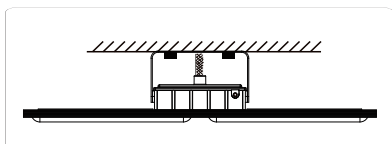
## LED Explosion Proof Light - H Series

### Packing Information:

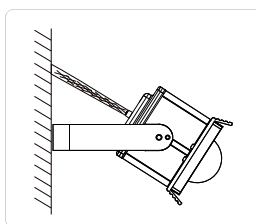
| Model | Quantity/Carton | Packing Size          | Net Weight        | Gross Weight       |
|-------|-----------------|-----------------------|-------------------|--------------------|
| H2    | 2 PCS           | 27.20x15.75x11.42inch | 4 kg/ 8.82 lbs    | 9 kg/ 19.84 lbs    |
| H4    | 2 PCS           | 51.18x15.75x11.42inch | 5.5 kg/ 12.13 lbs | 14.5 kg/ 31.97 lbs |

### Mounting Methods:

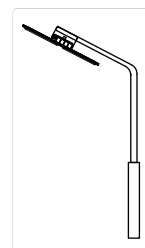
#### ◆ Ceiling Mounting:



#### ◆ Wall Mounting:



#### ◆ Pole Bracket Mounting:



### Accessories:



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



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



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

### 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.