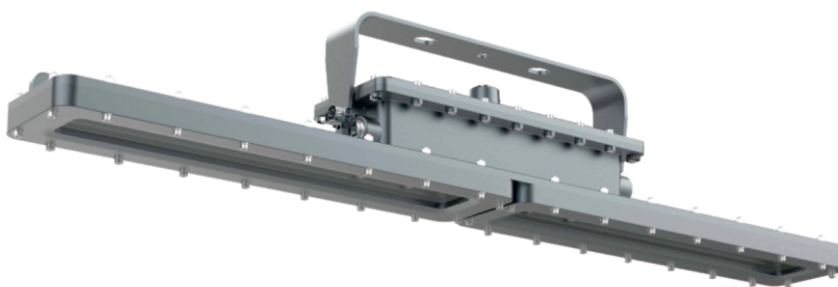


# I Series

## LED Explosion Proof Light



I2



I4

### Certifications:

- ⦿ Marking ATEX
  - ⦿ II2 G Ex db IIB T4 Gb
  - ⦿ II2 D Ex tb IIIC T63.5°C Db IP66
- ⦿ Marking IECEX
  - ⦿ Ex db IIB T4 Gb
  - ⦿ Ex tb IIIC T63.5°C Db IP66
- ⦿ Marine Marking
  - ⦿ UL 1598
  - ⦿ UL1598A
  - ⦿ ABS
- ⦿ 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
- ⦿ IP66

### Standard Materials:

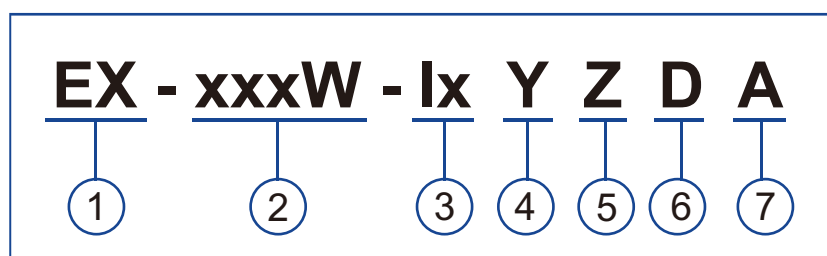
- ⦿ Housing: Copper-free aluminum
- ⦿ Lens: Tempered Glass
- ⦿ Hardware: Stainless steel
- ⦿ Mounting Bracket: Stainless steel

## LED Explosion Proof Light - I Series

## Key Features:

- ① Dimming function available; battery backup optional.
- 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 High efficacy - up to 140 lumens per watt.
- ⑧ 5-year warranty.
- ⑨ Low temperature applications to -40°C (-40°F) and high temperature up to 60°C (140°F).

## Catalog Number Logic:



- ① **PRODUCT CATEGORY**  
 ◆ Explosion proof light
- ② **WATTAGE**  
 ◆ 20W-120W
- ③ **PRODUCT SERIES**  
 ◆ I2    ◆ I4
- 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

## Technical Data:

Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time
EX-20W I2YZDA	20W	AC100-277V/200-480V or DC12-36V	2,800	140	>70	2200K-7000K	3 hours
EX-40W I2YZDA	40W		5,600				
EX-50W I2YZDA	50W		7,000				
EX-60W I2YZDA	60W		8,400				
EX-40W I4YZDA	40W		5,600				
EX-60W I4YZDA	60W		8,400				
EX-80W I4YZDA	80W		11,200				
EX-100W I4YZDA	100W		14,000				
EX-120W I4YZDA	120W		16,800				

# LED Explosion Proof Light - I Series

## Photometry:

Center Beam fc	Beam Width
4ft	2008fc
8ft	480fc
12ft	203fc
16ft	115fc
20ft	88fc
4ft	4ft
7ft	7ft
11ft	11ft
15ft	15ft
19ft	19ft

40°

Center Beam fc	Beam Width
4ft	1434fc
8ft	343fc
12ft	145fc
16ft	81fc
20ft	69fc
6ft	6ft
11ft	11ft
17ft	17ft
22ft	22ft
27ft	27ft

60°

Center Beam fc	Beam Width
4ft	1024fc
8ft	255fc
12ft	105fc
16ft	58fc
20ft	39fc
8ft	8ft
15ft	15ft
24ft	24ft
32ft	32ft
39ft	39ft

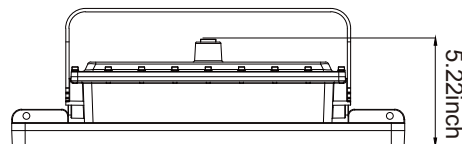
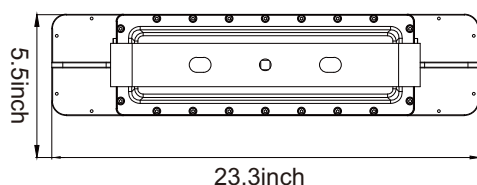
90°

Center Beam fc	Beam Width
4ft	683fc
8ft	170fc
12ft	73fc
16ft	39fc
20ft	26fc
11ft	11ft
21ft	21ft
32ft	32ft
43ft	43ft
53ft	53ft

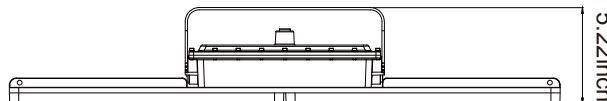
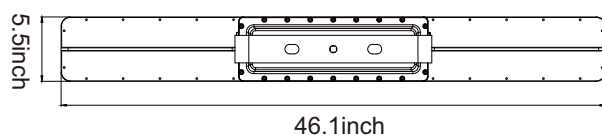
120°

## Dimensions:

### I2 Series



### I4 Series



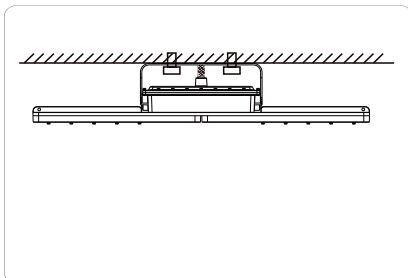
## Packing Information:

Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
I2	1 PCS	30.31x13.39x10.43inch	12 kg/ 26.45 lbs	14 kg/ 30.86 lbs
I4	1 PCS	53.54x13.39x10.43inch	18.5 kg/ 40.79 lbs	21.5 kg/ 47.40 lbs

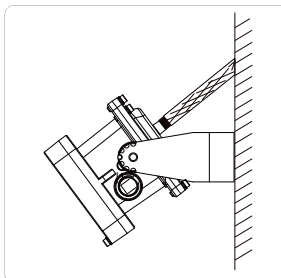
## LED Explosion Proof Light - I Series

## Mounting Methods:

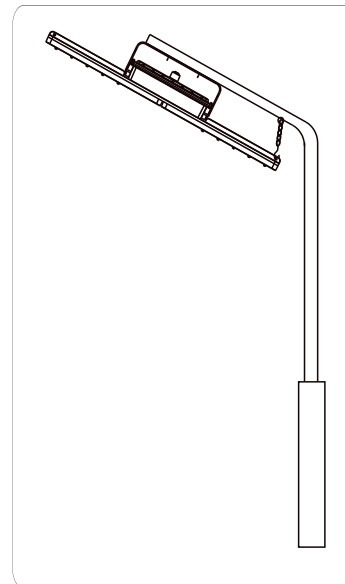
## ◆ Ceiling Mounting:



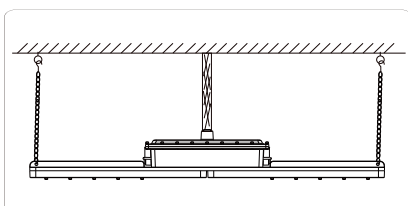
## ◆ Wall Mounting:



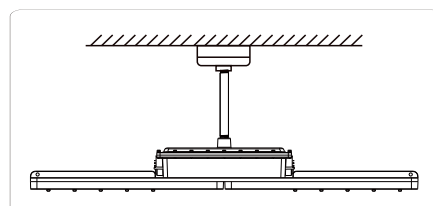
## ◆ Pole Bracket Mounting:



## ◆ Chain Mounting:



## ◆ Pole Pendant Mounting:



## Accessories:



- **Model: Ex-Junction Box**  
Name: 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 S3040



- **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.