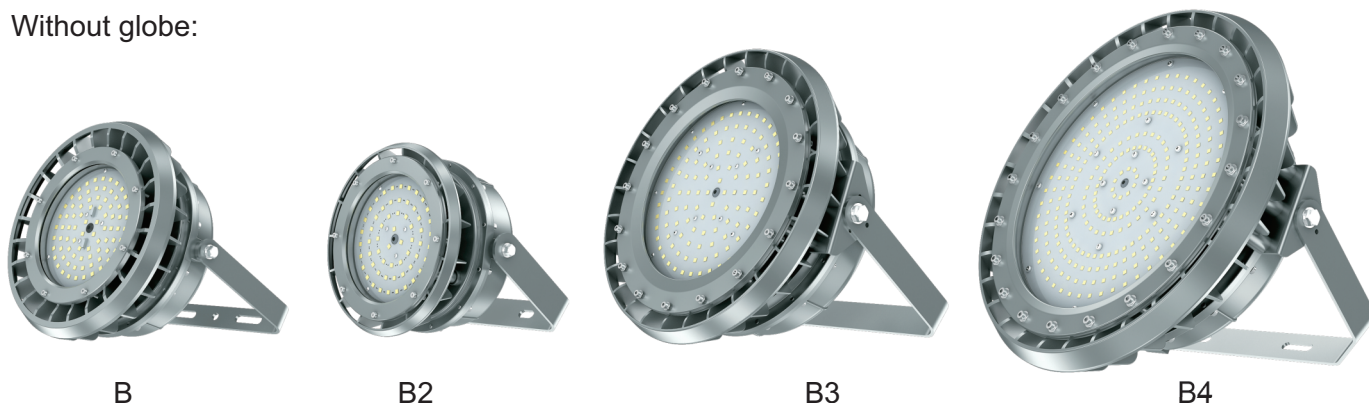


# B Series

## LED Explosion Proof Light

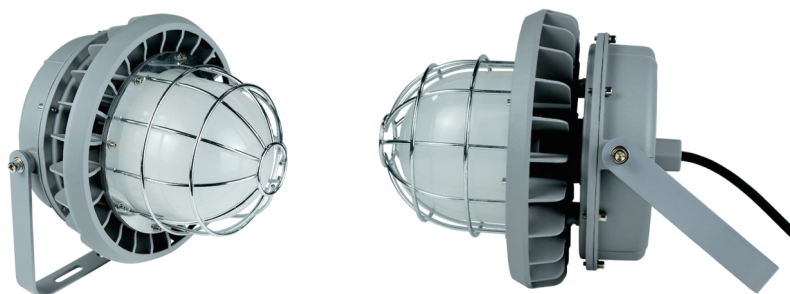


Without globe:



With globe:

Note: The globe is optional for B, B2, B3 only.  
Globe is not available for B4.



### Certifications:

- ◆ Marking ATEX
  - ◆ II 3 G Ex ec IIC T6...T3 Gc
  - ◆ II 2 D Ex tb IIIC T85°C...T100°C Db
  - ◆ II 2 G Ex eb mb IIC T5...T6 Gb
  - ◆ II 2 D Ex tb IIIC T80°C...T100°C Db
- ◆ Marking IECEx
  - ◆ Ex ec IIC T6...T3 Gc
  - ◆ Ex tb IIIC T85°C...T100°C Db
  - ◆ Ex eb mb IIC T5...T6 Gb
  - ◆ Ex tb IIIC T80°C...T100°C Db
- ◆ 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

### Standard Materials:

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

## LED Explosion Proof Light - B 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 55°C (131°F).

## Technical Data:

Model	Wattage	Operating Voltage	Lumens(lm)	Efficacy	CRI	CCT	Emergency Time
EX-20W B2YZDA	20W	AC100-277V/DC12-48V	2,800	140lm/W	>70	2200K-7000K	3 hours
EX-40W B2YZDA	40W		5,600				
EX-60W BYZDA	60W		8,400				
EX-80W BYZDA	80W	AC100-277V/DC12-48V, AC200-480V	11,200				
EX-100W B3YZDA	100W		14,000				
EX-120W B3YZDA	120W		16,800				
EX-150W B3YZDA	150W		21,000				
EX-200W B3YZDA	200W		28,000				
EX-250W B4YZDA	250W		35,000				
EX-300W B4YZDA	300W		42,000				
EX-350W B4YZDA	350W		49,000				
EX-400W B4YZDA	400W		56,000				

## Ordering Guide:

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

①

②

③

④

⑤

⑥

⑦

## ① PRODUCT CATEGORY

◆ Explosion proof light

## ② WATTAGE

◆ 20W-400W

## ③ PRODUCT SERIES

◆ B ◆ B2 ◆ B3 ◆ B4

## 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

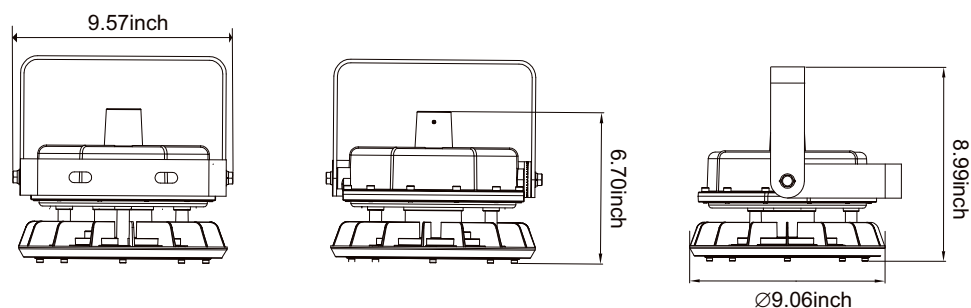
◆ A=blank: Flat glass  
◆ A=C: Spherical glass

# LED Explosion Proof Light - B Series

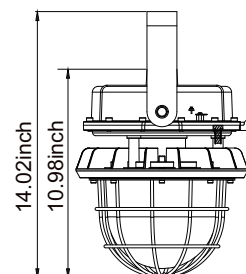
## Dimensions:

### B2 Series

Without globe:

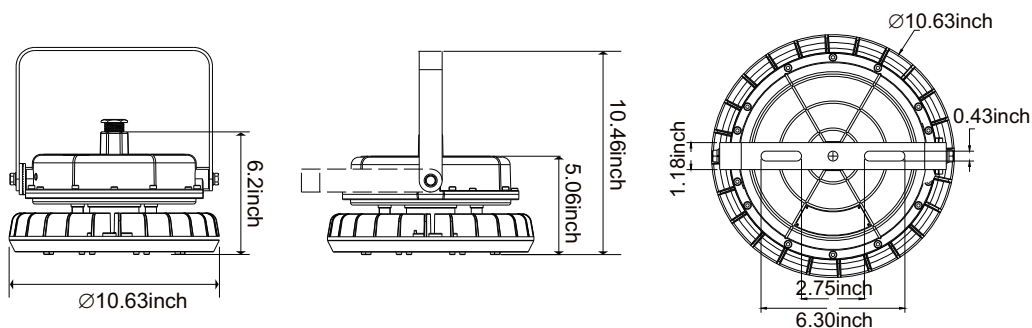


With globe:

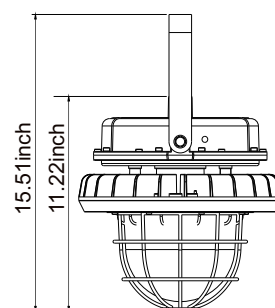


### B Series

Without globe:

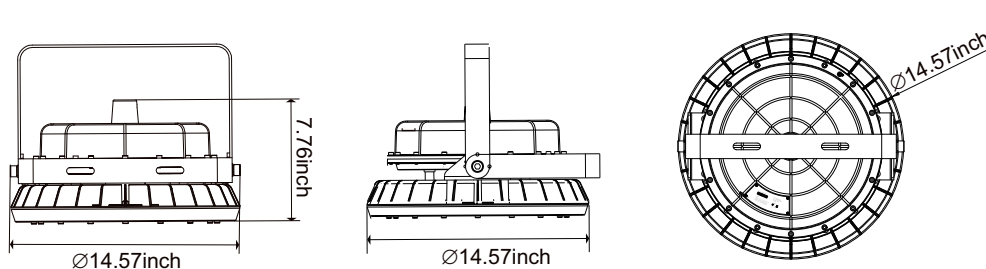


With globe:

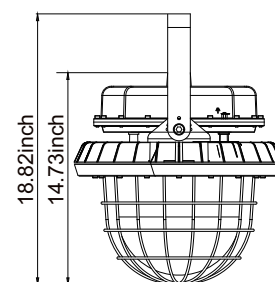


### B3 Series

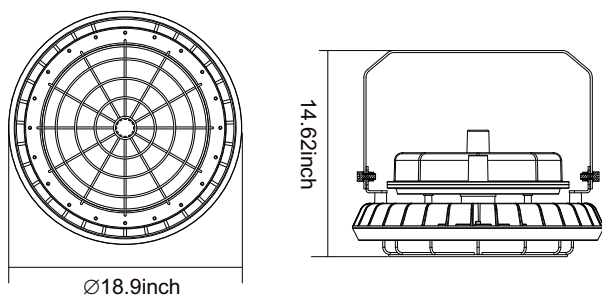
Without globe:



With globe:

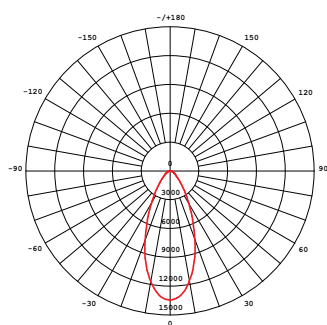


### B4 Series

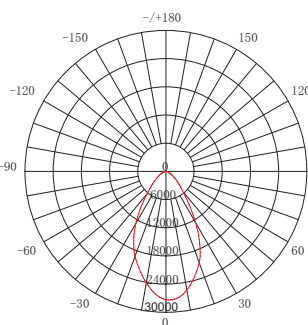


# LED Explosion Proof Light - B Series

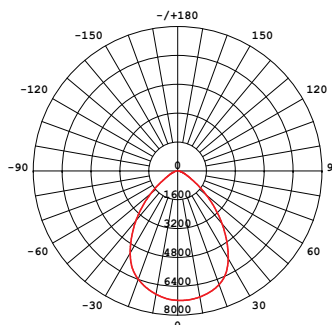
## Photometry:



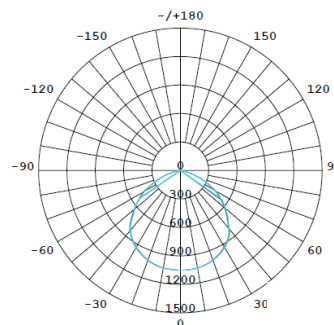
Beam angle: 40°



Beam angle: 60°



Beam angle: 90°



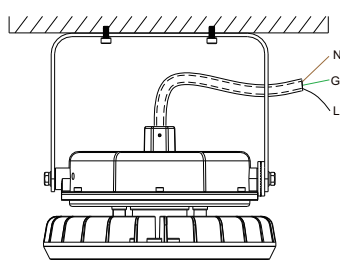
Beam angle: 120°

## Packing Information:

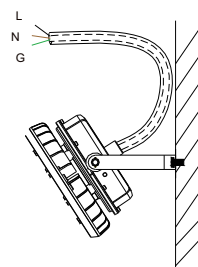
Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
B2	1 PC	14.17x13.94x10.24inch	3.5 kgs/ 7.72 lbs	5 kgs/ 11.02 lbs
B	1 PC	15.19x12.99x8.66inch	4.4 kgs/ 9.70 lbs	5.5 kgs/ 12.13 lbs
B3	1 PC	18.90x18.11x10.43inch	8.2 kgs/ 18.08 lbs	10.5 kgs/ 23.15 lbs
B4	1 PC	20.87x20.87x11.81inch	18.8 kgs/ 41.45 lbs	21.5 kgs/ 47.40 lbs

## Mounting Methods:

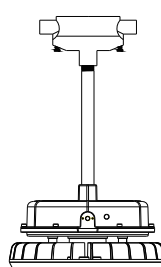
### Ceiling Mounting:



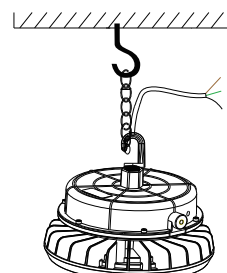
### Wall Mounting with U Bracket:



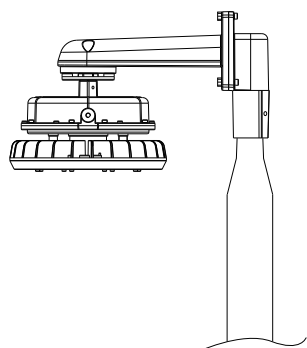
### Pole Pendant:



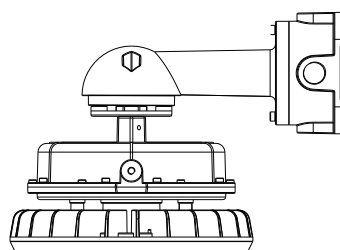
### Hook Pendant:



### Stanchion Mounting:

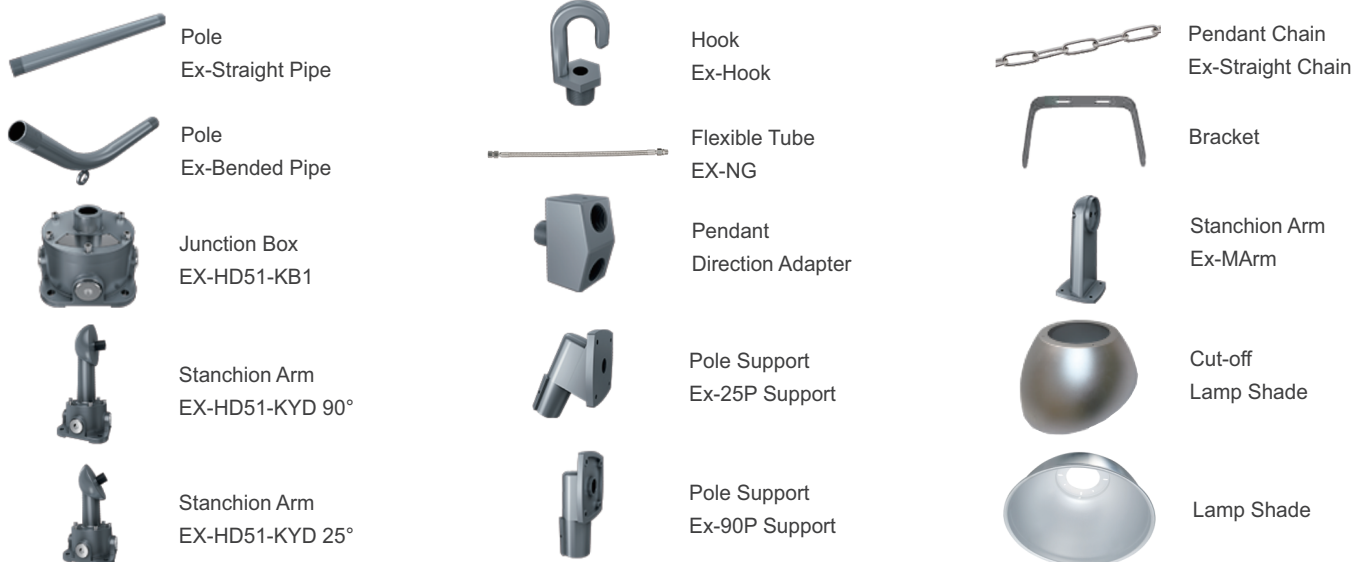


### Wall Mounting with Junction Box:









## LED Explosion Proof Light - B Series

### Accessories:



### 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.