

# B Series

## LED Explosion Proof Light



### Certifications:

- ◆ Marking ATEX
  - ◆ II 2 G Ex mb eb IIC T4 Gb
  - ◆ II 2 D Ex tb IIIC T120°C Db Ip66
  - ◆ II 3 G Ex ec IIC T3 Gc
  - ◆ II 2 D Ex tb IIIC T85°C Db Ip66
- ◆ Marking IECEx
  - ◆ Ex mb eb IIC T4 Gb
  - ◆ Ex tb IIIC T120°C Db Ip66
  - ◆ Ex ec IIC T3 Gc
  - ◆ Ex tb IIIC T85°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

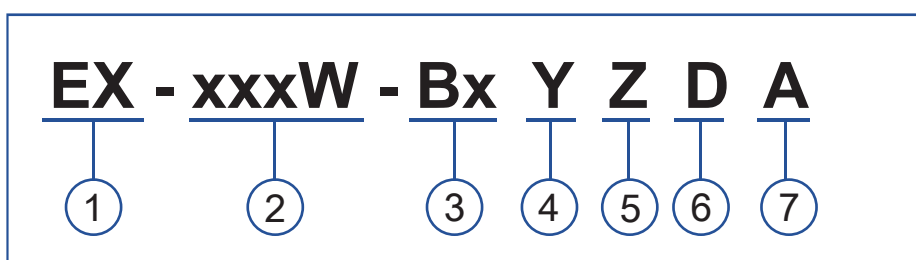
## Key Features:

- 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).

## Standard Materials:

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

## Catalog Number Logic:



### 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

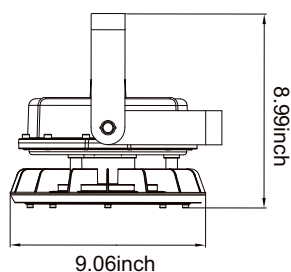
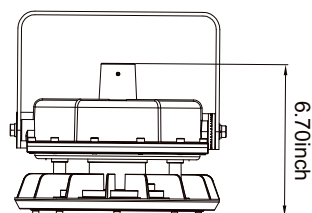
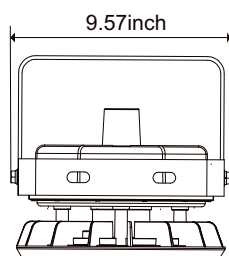
- ◆ A=blank: Flat glass
- ◆ A=C: Spherical glass

## Technical Data:

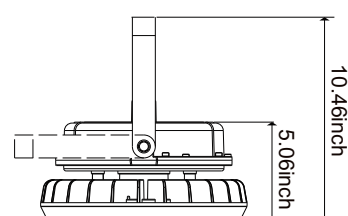
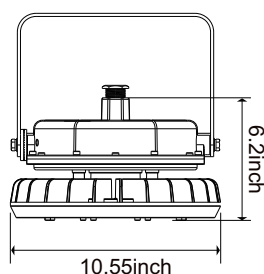
Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Dimmable
EX-20W B2YZDA	20W	AC100-277V/DC12-48V	2,800	140	>70	2200K-7000K	0-10V
EX-40W B2YZDA	40W		5,600				
EX-60W B2YZDA	60W		8,400				
EX-80W B2YZDA	80W	AC100-277V/DC12-48V, AC200-480V	11,200				
EX-100W B3YZDA	100W		14,000				
EX-120W 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				

## Dimensions:

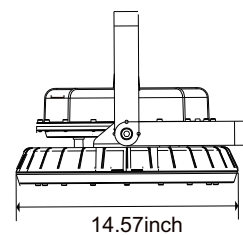
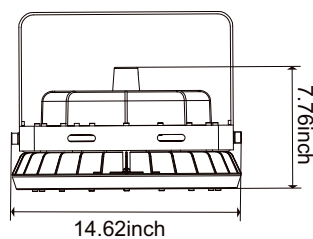
### B2 Series



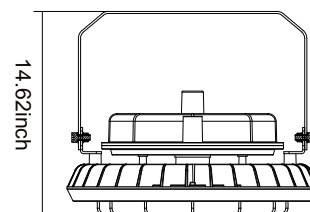
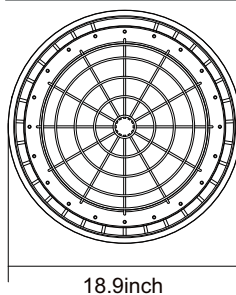
### B Series



### B3 Series



### B4 Series



## 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°

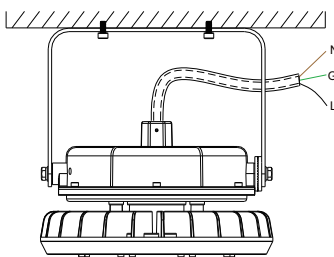
120°

## Packing Information:

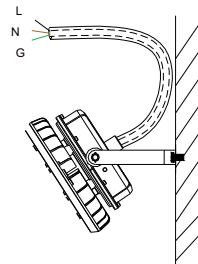
Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
B2	1 PCS	14.17x13.94x10.24inch	3.5 kg/ 7.72 lbs	5 kg/ 11.02 lbs
B	1 PCS	15.19x12.99x8.66inch	4.4 kg/ 9.70 lbs	5.5 kg/ 12.13 lbs
B3	1 PCS	18.90x18.11x10.43inch	8.2 kg/ 18.08 lbs	10.5 kg/ 23.15 lbs
B4	1 PCS	20.87x20.87x11.81inch	18.8 kg/ 41.45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

## Mounting Methods:

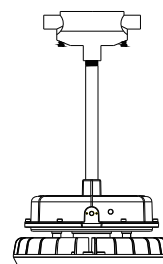
### Ceiling Mounting:



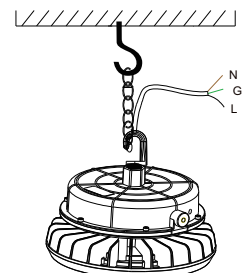
### Wall Mounting with U Bracket:



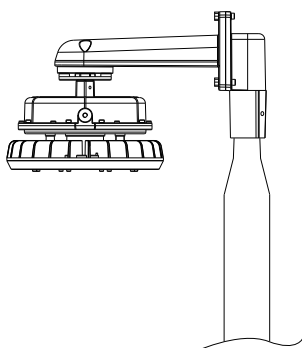
### Pole Pendant:



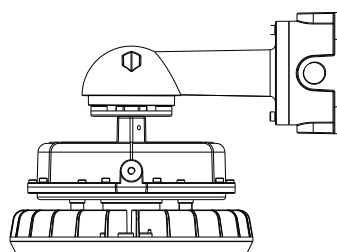
### Hook Pendant:



### Stanchion Mounting:



### Wall Mounting with Junction Box:



### Accessories:



• Model: Ex-Junction Box  
Name: Junction Box  
Material: Aircraft Aluminum A383



• Model: Ex-25° Arm Support  
Name: 25° Arm Support  
Material: Aircraft Aluminum A383



• Model: Ex-D01  
Name: Pendant Direction Adapter  
Material: Aircraft Aluminum A383



• Model: Ex-90° Arm Support  
Name: 90° Arm Support  
Material: Aircraft Aluminum A383



• Model: Ex-25° Arm Support  
Name: 25° Arm Support  
Material: Aircraft Aluminum A356



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



• Model: Ex-90° Arm Support  
Name: 90° Arm Support  
Material: Aircraft Aluminum A356



• Model: Ex-ShadeB/B2/B3  
Name: Lamp Shade  
Material: Aluminum A1070



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



• Model: EX-Hook  
Name: Installation Hook  
Material: Aircraft Aluminum A383



• Model: Ex-CshadeB/B2/B3  
Name: Cut o fflamp shade  
Material: Aluminum A1070

### 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.