

LED Explosion Proof Light



B Series

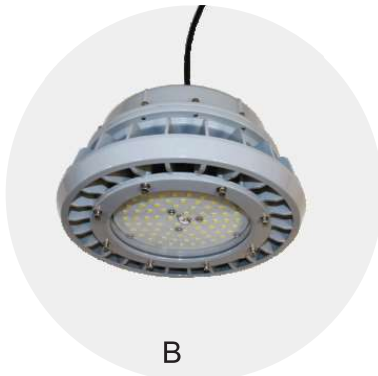


IZUMI LED
TECHNOLOGY OF JAPAN

LED Explosion Proof Light - B Series



B2



B



B3



Product Description

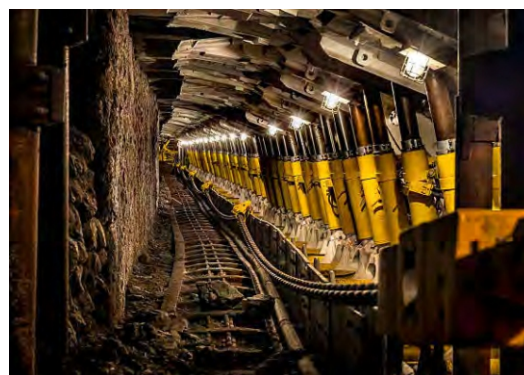
The B Series LED luminaire is the ideal choice for marine and hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected.

Features

- 0-10V dimming
- High luminous efficacy - Up to 140 lumens per watt
- Compact and robust structure, excellent reliability
- Various installation ways for different applications
- Great impact resistance with IK08/IK10 certified

Compliance

Marking Atex	 II3 G Ex ec IIC T3C Gc II2 D Ex op is tb IIIC T85°C Db
Marking IECEX	Ex ec IIC T3C 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 1598A ABS Type Approved
Other Rating	IP 66 IK 10



Application

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical Industry
- Coal Mine
- Food and Alcohol industry

Warranty

5-Year Standard Warranty

LED lumen maintenance: L70> 50,000

Technical Parameter

• Electrical

Specification	EX-20W B2YZDA	EX-40W B2YZDA	EX-60W BYZDA	EX-80W BYZDA
Rated Power	20W	40W	60W	80W
Input Voltage	120-277/277-480VAC			
Input Frequency	50/60Hz			
Power Factor	> 0.95			

• Optical

Specification	EX-20W B2YZDA	EX-40W B2YZDA	EX-60W BYZDA	EX-80W BYZDA
Lumen Output	2800lm	5,600lm	8,400lm	11,200lm
Lumens Per Watt	140lm/W	140lm/W	140lm/W	140lm/W
CCT	2700K-7000K			
CRI	> 70			
Beam Angle	40°/60°/90°/120°			
Dimming	0-10V dimming			

• Environmental

Specification	EX-20W B2YZDA	EX-40W B2YZDA	EX-60W BYZDA	EX-80W BYZDA
Ambient Operating Temperature	T3: -40°C to +50°C (-40°F to +122°F)			

• Mechanical

Specification	EX-20W B2YZDA	EX-40W B2YZDA	EX-60W BYZDA	EX-80W BYZDA
Housing Material	Copper-free aluminum			
Diffuser	Tempered glass & PC			
Hardware	Stainless steel			
Fixture Color	Gray RAL7040 (Standard)			
Protection	IP66			
Mounting	Ceiling, Wall, Pole, Hook Pendant, Stanchion, Wall, Trunnion			

Technical Parameter

• Electrical

Specification	EX-100W B3YZDA	EX-120W B3YZDA	EX-150W B3YZDA	EX-200W B3YZDA
Rated Power	100W	120W	150W	200W
Input Voltage	120-277/277-480VAC			
Input Frequency	50/60Hz			
Power Factor	> 0.95			

• Optical

Specification	EX-100W B3YZDA	EX-120W B3YZDA	EX-150W B3YZDA	EX-200W B3YZDA
Lumen Output	14,000lm	16,800lm	21,000lm	28,000lm
Lumens Per Watt	140lm/W	140lm/W	140lm/W	140lm/W
CCT	2700K-7000K			
CRI	> 70			
Beam Angle	40°/60°/90°/120°			
Dimming	0-10V dimming			

• Environmental

Specification	EX-100W B3YZDA	EX-120W B3YZDA	EX-150W B3YZDA	EX-200W B3YZDA
Ambient Operating Temperature	T3: -40°C to +40°C (-40°F to +104°F)			

• Mechanical

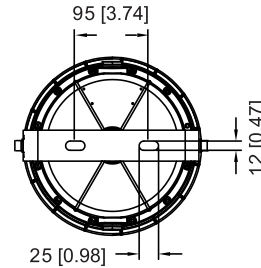
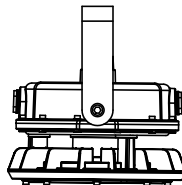
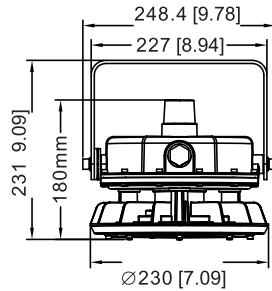
Specification	EX-100W B3YZDA	EX-120W B3YZDA	EX-150W B3YZDA	EX-200W B3YZDA
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Product Dimensions

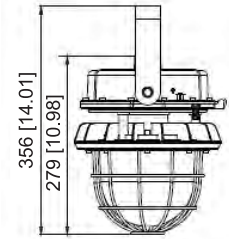
Unit: mm [inch]

B2

Without drop lens:

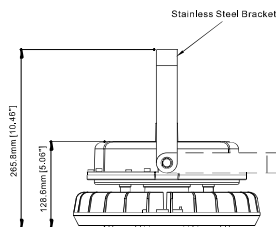
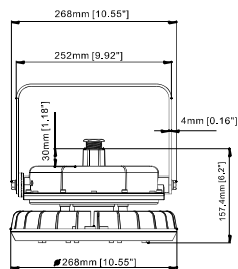


With drop lens:

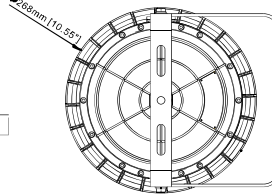


B

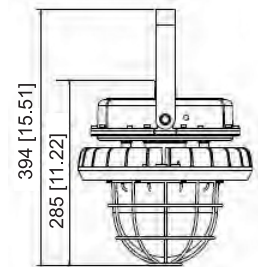
Without drop lens:



Stainless Steel Bracket

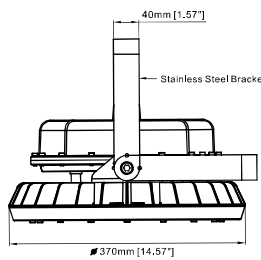
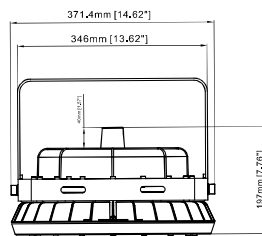


With drop lens:

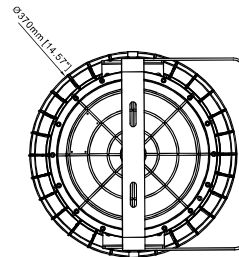


B3

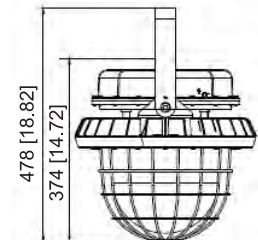
Without drop lens:



Stainless Steel Bracket



With drop lens:

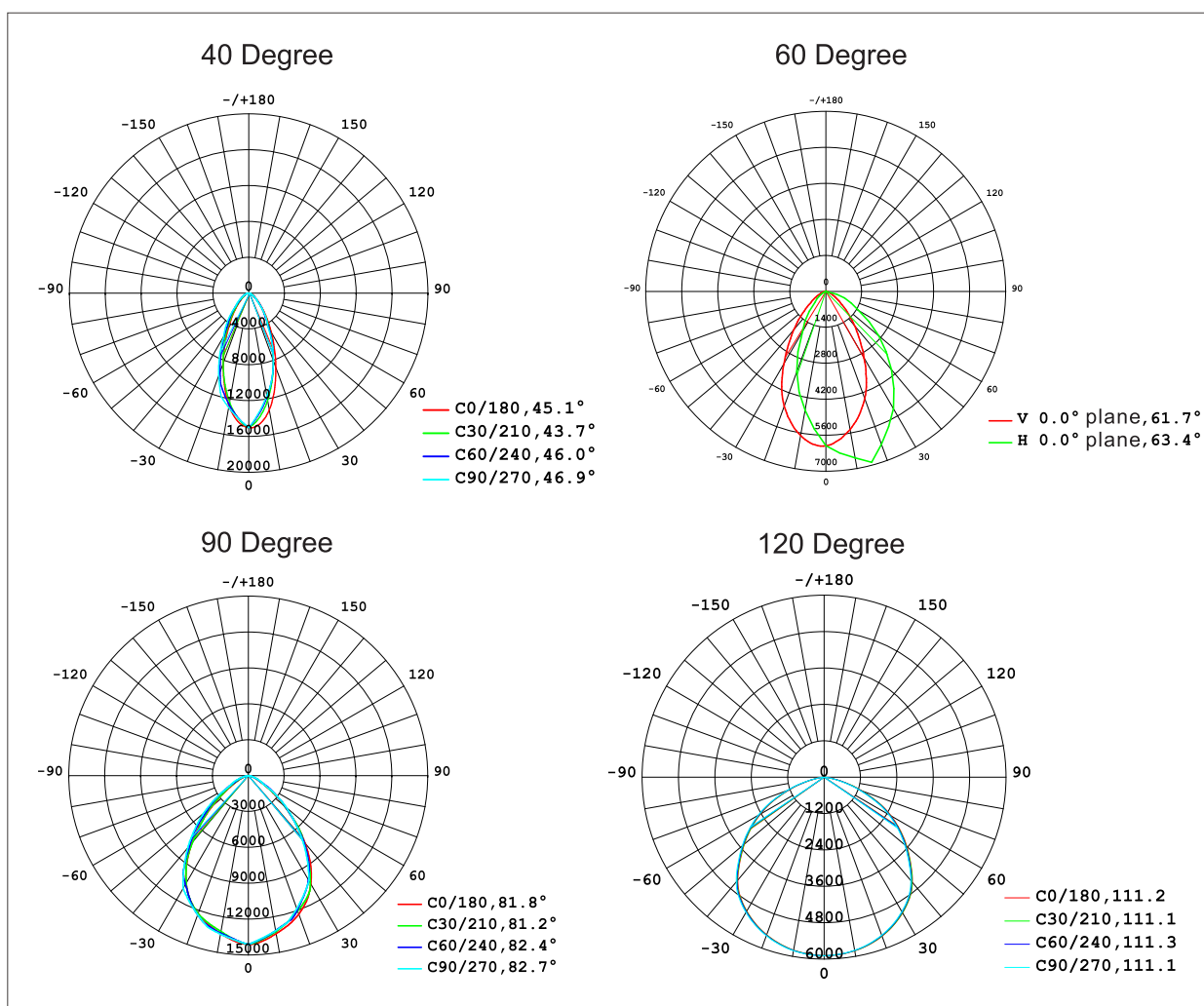


LED Explosion Proof Light - B Series

• Packing Information

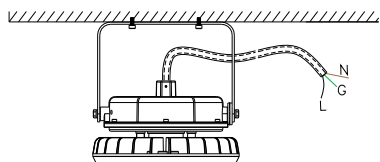
Model	Net Weight*	Gross Weight*	Quantity/Carton	Package Dimensions (LxWxH)
B2	3.5 kg/7.72 lb	5.0 kg/11.02 lb	1 pc	360x354x260mm/14.17x13.94x10.24inch
B	4.4 kg/9.70 lb	5.65 kg/12.46 lb	1 pc	400x350x250mm/15.75x13.78x9.84inch
B3	8.2 kg/18.08 lb	10.6 kg/23.37 lb	1 pc	500x480x290mm/19.69x18.90x11.42inch

Photometric



Mounting Methods

• Option 1: Ceiling Mounting

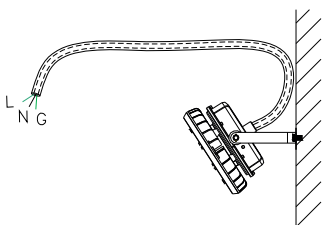


• Accessory



Bracket

• Option 2: Wall Mounting



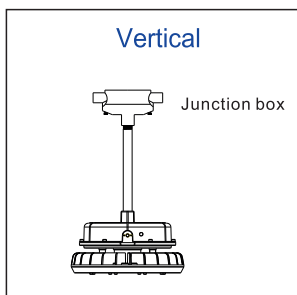
• Accessory



Bracket

• Option 3: Pole Pendant Mounting

Vertical

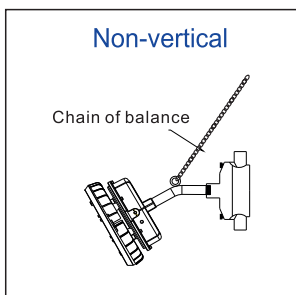


Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe

Non-vertical



Junction Box
EX-HD51-KB1

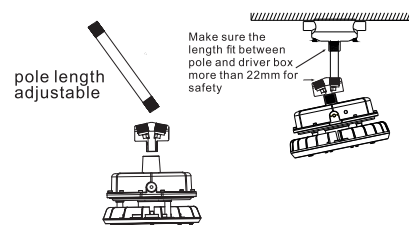


Pole
Ex-Bended Pipe



Pendant Chain
Ex-Straight Chain

Adjustable Pole Installation



Junction Box
EX-HD51-KB1



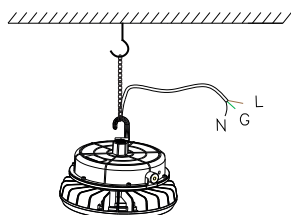
Pole
Ex-Straight Pipe



Pendant Direction Adapter
Ex-D01

Mounting Methods

• Option 4: Hook Pendant Mounting



• Accessories

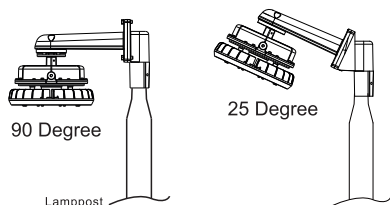


Hook
Ex-Hook



Pendant Chain
Ex-Straight Chain

• Option 5: Stanchion Mounting



• Accessories

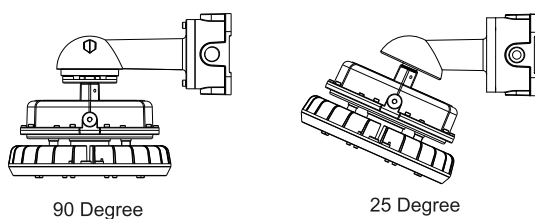


EX-90PSupport



EX-25PSupport

• Option 6: Wall Mounting to Junction Box



• Accessories

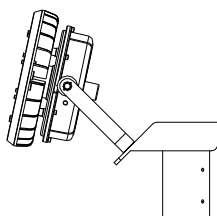


Stanchion Arm
EX-HD51-KYD 90



Stanchion Arm
EX-HD51-KYD 25

• Option 7: Trunnion Mounting (Only for B and B2)



EX-Slip
Fitter Mounting Kit