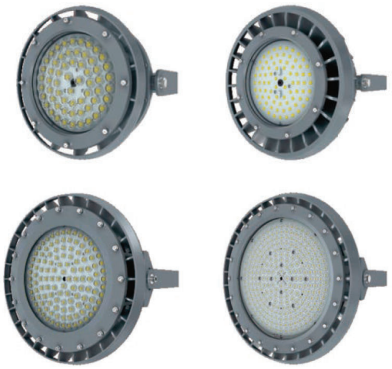
LED Explosion Proof Light
B Series





constellation lighting

TECHNICAL SPECIFICATIONS - B Series

Certifications

ATEX	IECEx	UL844	Marine
II 2 G Ex mb eb IIC T4 Gb	Ex mb eb IIC T4 Gb	Class I, Division 2, Groups A, B, C, D	UL 1598
II 2 D Ex tb IIIC T120°C Db Ip66	Ex tb IIIC T120°C Db Ip66	Class II, Division 1, Groups E, F, G	UL1598A
II 3 G Ex ec IIC T3 Gc	Ex ec IIC T3 Gc	Class II, Division 2, Groups F, G	ABS
II 2 D Ex tb IIIC T85°C Db Ip66	Ex tb IIIC T85°C Db Ip66	Class III	IP66

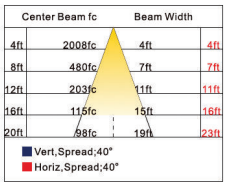
Features

- Dimmable and battery backup function is available.
- High-quality SMT LED and Meanwell driver.
- Heavy-duty and high impact resistance.
- Replaceable LED board and drivers.
- Integrated junction box for driver.
- Marine rating powder coated finish treatment.
- Various installation ways for different applications.
- Glass lens or polycarbonate lens for making different beam angles.
- 5-year warranty.
- Low temperature applications to -40°C (-40°F) and high temperature up to 55°C (131°F).

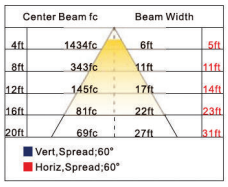
Standard Materials:

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

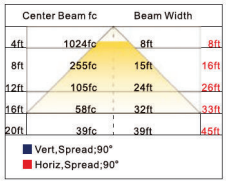
Photometry:



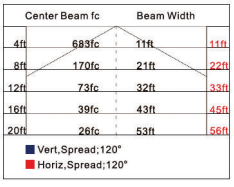
40°



60°



90°



120°

Typical applications include:

- Oil and gas industry
- Ocean, marine and aerospace field
- Food and alcohol industry
- Chemical industry
- Metal treatment
- Other high humidity, high dust, high temperature, vapor locations.

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info@constellationlighting.us : www.constellationlighting.us

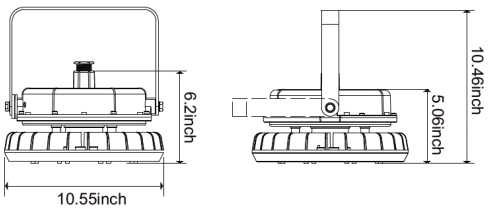
TECHNICAL SPECIFICATIONS - B Series

Technical Data

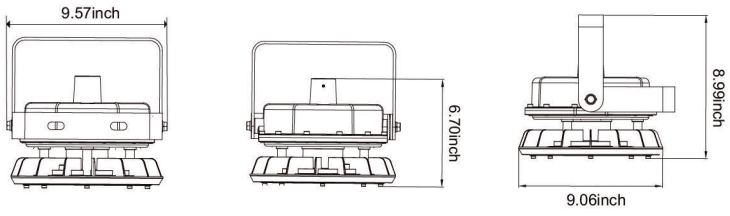
Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time
EX-20W B2YZDA	20W	AC100-277V/DC12-48V	2,800	140	>70	2200K-7000K	3 hours
EX-40W B2YZDA	40W		5,600				
EX-60W BYZDA	60W		8,400				
EX-80W BYZDA	80W	AC100-277V/DC12-48V, AC200-480V	11,200				
EX-100W B3YZDA	100W		14,000	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

DIMENSIONS B Series

B Series



B2 Series



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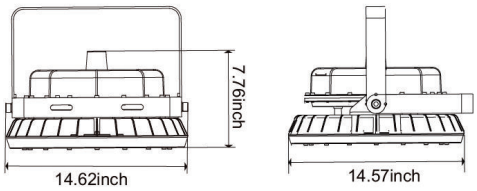
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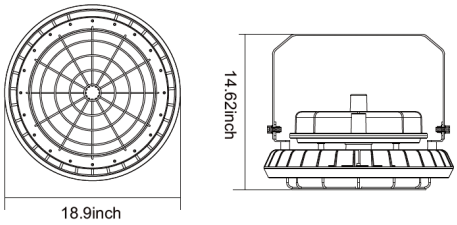
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DIMENSIONS
B Series

B3 Series

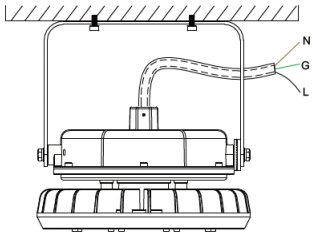


B4 Series

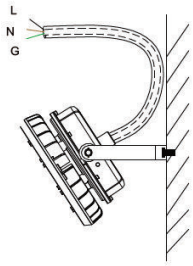


MOUNTING METHODS
B Series

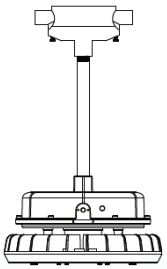
Ceiling Mounting:



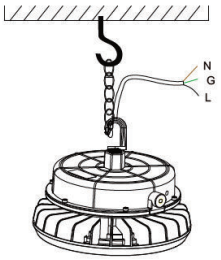
Wall Mounting with U Bracket:



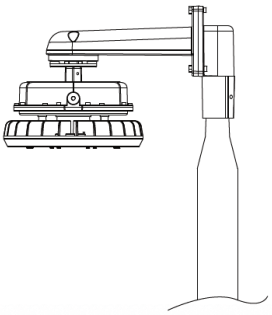
Pole Pendant:



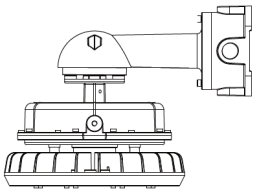
Hook Pendant:



Stanchion Mounting:



Wall Mounting with Junction Box:



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ACCESSORIES
B Series



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 off lamp shade
Material: Aluminum A1070

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