LED Explosion Proof Light
A Series



TECHNICAL SPECIFICATIONS - A Series

Certifications

ATEX	IECEx	UL844	Marine
II 3 G Ex ec IIC T3 Gc	Ex ec IIC T3C Gc	Class I, Division 2, Groups A, B, C, D	UL 1598
II 2 D Ex tb IIIC T103°C Db	Ex tb IIIC T103°C Db	Class II, Division 1, Groups E, F, G	UL1598A
II 2 G Ex mb eb IIC T3 Gb	Ex mb eb IIC T3C Gb	Class II, Division 2, Groups F, G	ABS
II 2 D Ex tb IIC T125°C Db	Ex tb IIC T125°C Db	Class III	IP66

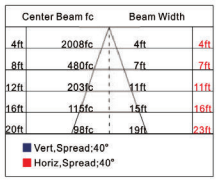
Features

- 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 50°C (122°F).

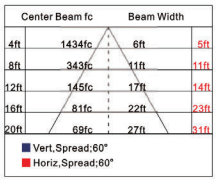
Standard Materials:

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

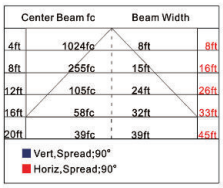
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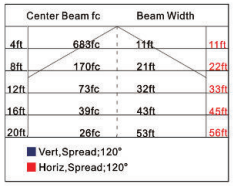
40°



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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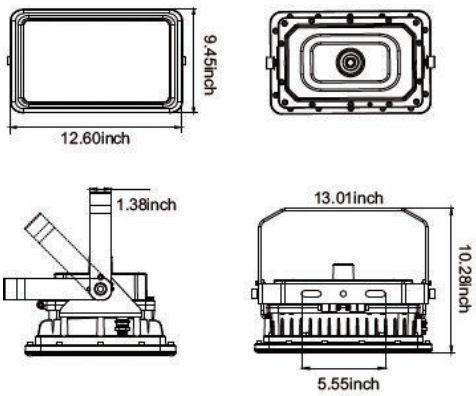
TECHNICAL SPECIFICATIONS - A Series

Technical Data

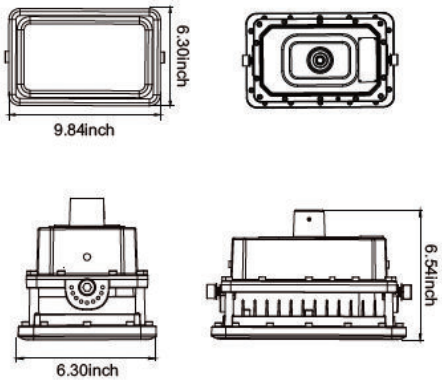
Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time
EX-20W A2YZDA	20W	AC100-277V/DC12-48V	2,800	140	>70	2200K-7000K	3 hours
EX-40W A2YZDA	40W		5,600				
EX-60W A2YZDA	60W		8,400				
EX-80W AYZDA	80W	AC100-277V/DC12-48V, AC200-480V	11,200				
EX-100W AYZDA	100W		14,000				
EX-150W A3YZDA	150W		21,000				
EX-180W A3YZDA	180W		25,200				
EX-200W A3YZDA	200W		28,000				
EX-150W A4YZDA	150W		21,000				
EX-180W A4YZDA	180W		25,200				
EX-200W A4YZDA	200W		28,000				
EX-250W A4YZDA	250W		35,000				
EX-300W A4YZDA	300W		42,000				
EX-400W A4YZDA	400W		56,000				

DIMENSIONS A Series

A Series



A2 Series



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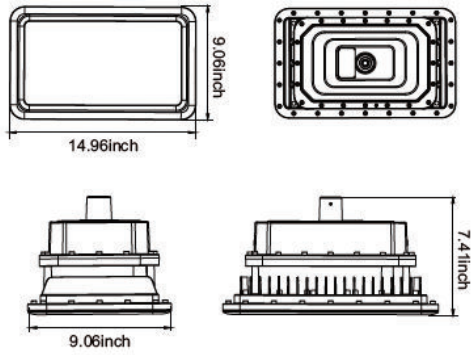
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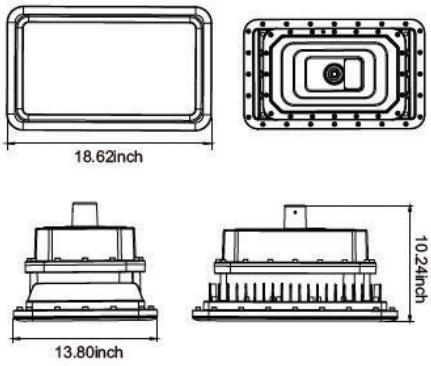
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DIMENSIONS
A Series

A3 Series

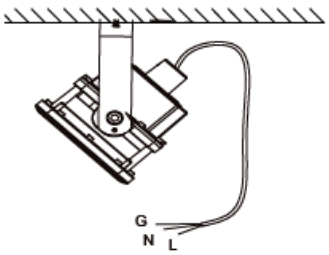


A4 Series

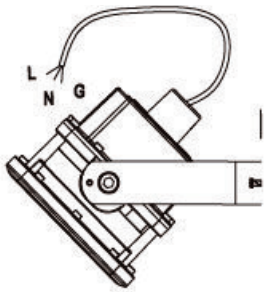


MOUNTING METHODS
A Series

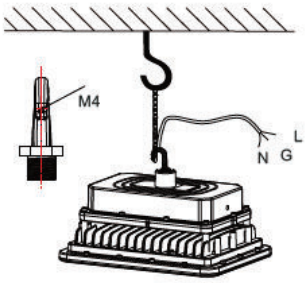
Ceiling Mounting:



Wall Mounting:

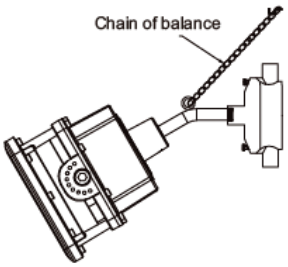


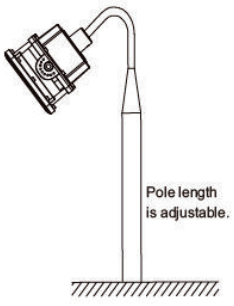
Hook Mounting:



Pole Mounting:







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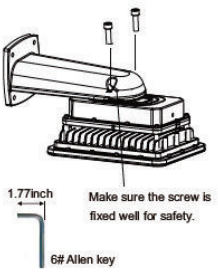
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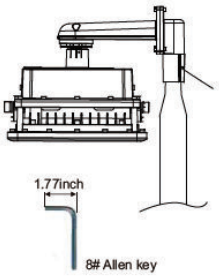
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MOUNTING METHODS
A Series

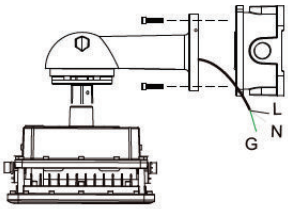
Arm Mounting:



Stanchion Mounting:



Wall Mounting with Junction Box:



ACCESSORIES
A Series



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



Model: Ex-Bended Pipe
Name: Bended Pipe
Material: Iron



Model: Ex-MArm
Name: Surface Mounting Arm
Material: Aircraft Aluminum A383



Model: Ex-90J Support
Name: 90° Arm with Junction Box
Material: Aircraft Aluminum A383



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



Model: Ex-25P Support
Name: 25° Pole Support
Material: Aircraft Aluminum A383



Model: Ex-25J Support
Name: 25° Arm with Junction Box
Material: Aircraft Aluminum A383



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



Model: Ex-Conduit 01
Name: Metal Conduit
Material: Stainless Steel and Aluminum



Model: Ex-Straight Pipe
Name: Straight Pipe
Material: Iron



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



Model: Ex-90P Support
Name: 90° Pole Support
Material: Aircraft Aluminum A383



Model: Ex-DArm
Name: Direct Mounting Arm
Material: Aircraft Aluminum A383



Model: Ex-Hook
Name: Installation Hook
Material: Aircraft Aluminum A383

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