

A Series

LED Explosion Proof Light



Certifications:

- ◆ Marking ATEX
 - ◆ II 3 G Ex ec IIC T3 Gc
 - ◆ II 2 D Ex tb IIIC T103°C Db
 - ◆ II 2 G Ex mb eb IIC T3 Gb
 - ◆ II 2 D Ex tb IIC T125°C Db
- ◆ Marking IECEx
 - ◆ Ex ec IIC T3C Gc
 - ◆ Ex tb IIIC T103°C Db
 - ◆ Ex mb eb IIC T3C Gb
 - ◆ Ex tb IIC T125°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

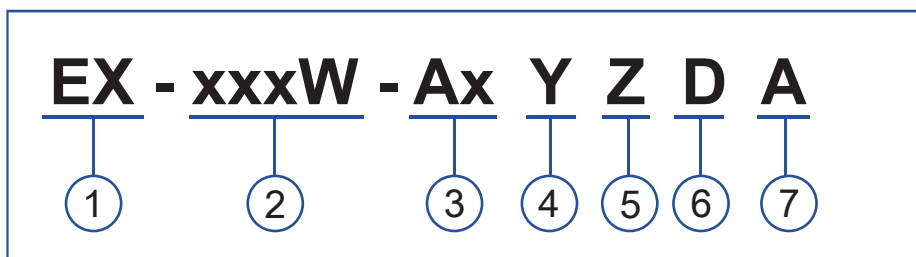
Standard Materials:

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

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 50°C (122°F).

Catalog Number Logic:



① PRODUCT CATEGORY

- ◆ Explosion proof light

② WATTAGE

- ◆ 20W-400W

③ PRODUCT SERIES

- ◆ A ◆ A2 ◆ A3 ◆ A4

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

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°

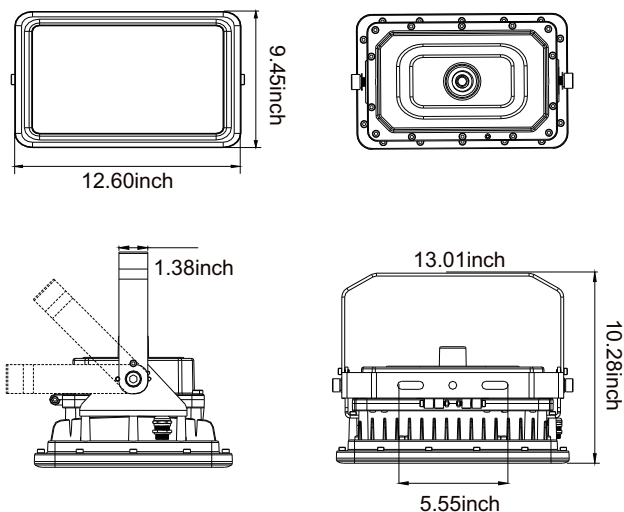
120°

Technical Data:

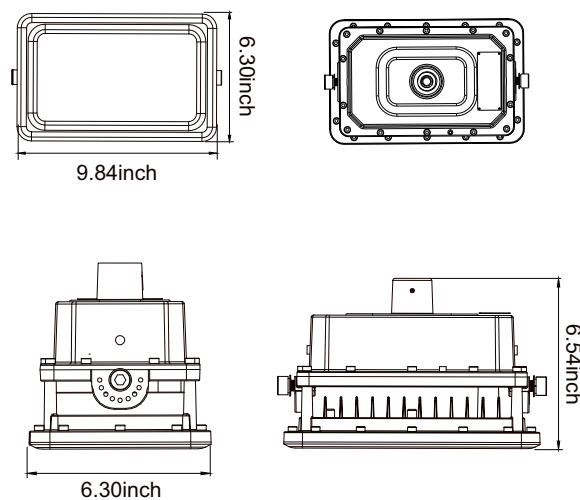
Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Dimmable
EX-20W A2YZDA	20W	AC100-277V/DC12-48V	2,800	140	>70	2200K-7000K	0-10V
EX-40W A2YZDA	40W		5,600				
EX-60W A2YZDA	60W		8,400				
EX-80W AYZDA	80W	AC100-277V/DC12-48V, AC200-480V	11,200				
EX-100W AYZDA	100W		14,000				
EX-150W 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

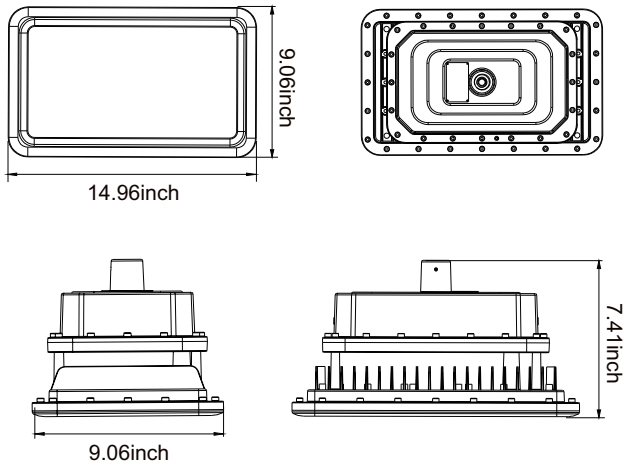


A2 Series

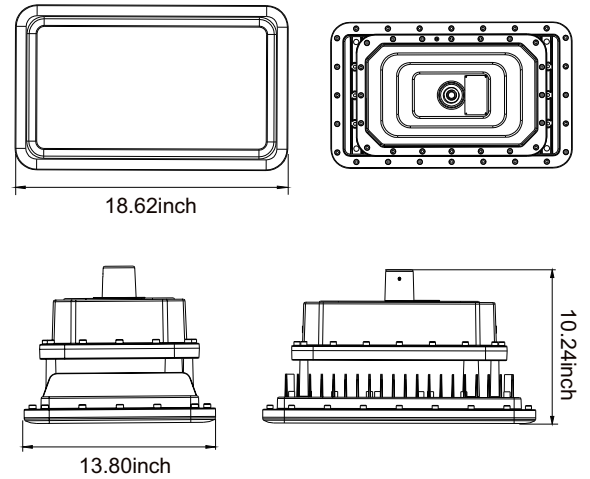


Dimensions:

A3 Series



A4 Series

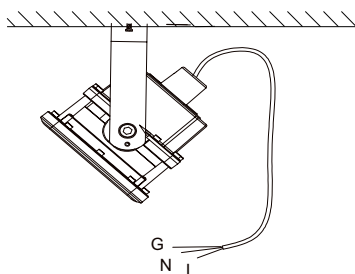


Packing Information:

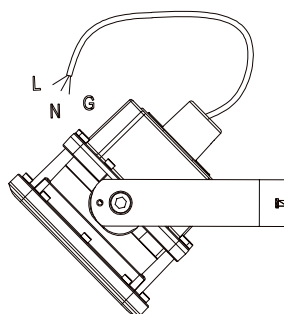
Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
A2	1 PCS	14.37x10.63x12.01inch	4.15 kg/ 9.15 lbs	5.3 kg/ 11.68 lbs
A	1 PCS	14.76x13.39x8.46inch	6.95 kg/ 15.32 lbs	7.9 kg/ 17.42 lbs
A3	1 PCS	19.09x13.39x14.37inch	8.3 kg/ 18.30 lbs	10.3 kg/ 22.71 lbs
A4	1 PCS	13.78x18.50x15.75inch	15.1 kg/ 33.29 lbs	17 kg/ 37.48 lbs

Mounting Methods:

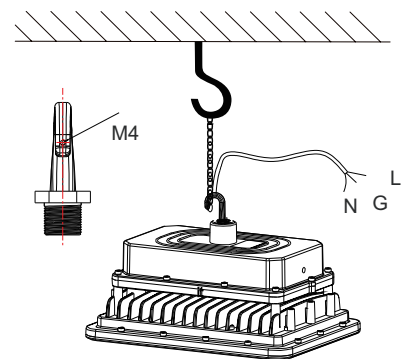
◆ Ceiling Mounting:



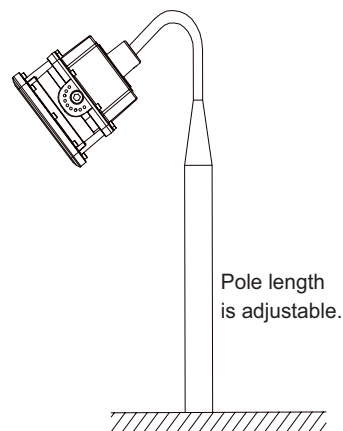
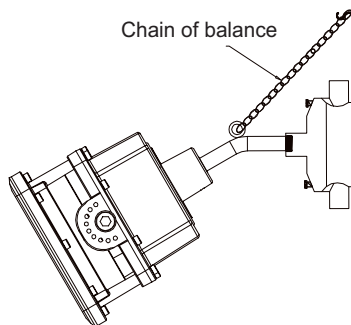
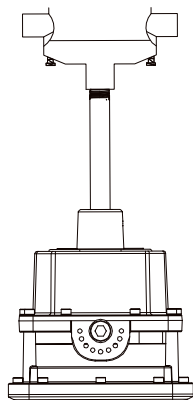
◆ Wall Mounting:



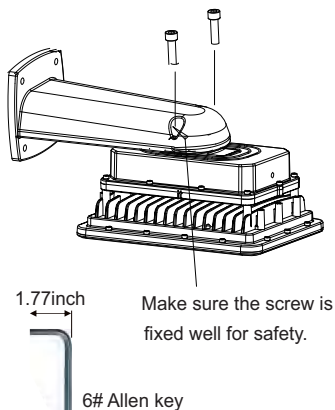
◆ Hook Mounting:



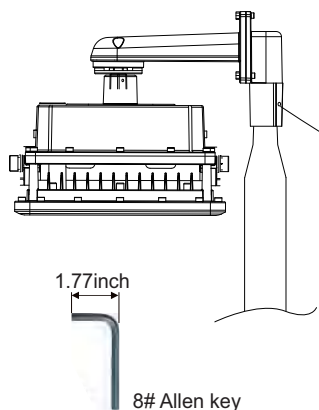
Pole Mounting:



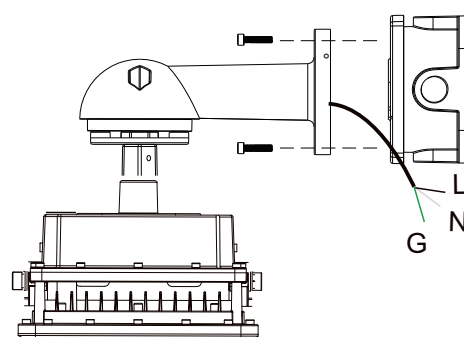
Arm Mounting:



Stanchion Mounting:



Wall Mounting with Junction Box:



Accessories:



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



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



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



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



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



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



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



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



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



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



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



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



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



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

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.