

EXPLOSION PROOF LED FLOODLIGHT



Floodlight LED
A Series



IZUMI LED
TECHNOLOGY OF JAPAN

Flood light LED A Series



A2



A



A3



A4



Product Description

The ATEX Explosion proof Led Light A Series IZUMI has a Tempered glass lens that is making different beam angles. The Led light is Dimmable and there is a battery back up function. The Led board and drivers are replaceable, there is also an integrated junction box for the driver.

Features

- Working Temperature: -40°C ~ +50°C.
- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver with emergency back up.
- Dimmable and battery back up function available.
- Marine rating powder coated appearance treatment.
- Up to 5 years limited warranty option.
- Emergency Battery back up to three hours.
- Various installation ways for different applications.
- Glass lens or Glass with polycarbonate lens to make bigger beam angle.

Compliance

Marking Atex

II 3 G Ex ec IIC T3C Gc
II 2 D Ex tb IIIC T160°C Db
II 2 G Ex mb eb IIC T3C Gb
II 2 D Ex op is tb IIC T160°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

Marking IECEX Ex ec IIC T3C Gc

Ex ec IIC T3C Gc
Ex tb IIIC T160°C Db
EX mb eb IIC T3C Gb
EX op is tb IIC T60°C Db

Marine Marking

UL 1598A

ABS
Other Rating IP 66

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

Chemical industry

- All types of paint facilities
- Chemical production and storage

Ocean, marine and aerospace field

- Ocean platform operation facilities and structure
- Aerospace clean room and production
- Ocean vessel operations

Metal treatment

- Steel and aluminum factories
- Pumping stations in any environment
- Metal smelting, foundry and fabrication

Food and alcohol industry

- Flour and fine particle production and storage
- Food and distilling production
- Alcohol industry

Other high humidity, high dust, high temperature, vapor locations
Lorem ipsumLorem ipsum

Warranty

5-year design lifespan

LED lumen maintenance: L70> 50,000



Technical Parameter

• Electrical

Specification	EX-20W A2YZDA EX-40W A2YZDA EX-60W A2YZDA	EX-80W AYZDA EX-100W AYZDA	EX-150W A3YZDA EX-180W A3YZDA EX-200W A3YZDA	EX-150W A4YZDA EX-180W A4YZDA EX-200W A4YZDA	EX-250W A4YZDA EX-300W A4YZDA
Power (Tunable)	20W / 40W / 60W	80W / 100W	150W / 180W / 200W	150W / 180W / 200W / 300W	
Input Voltage	AC100-277V(by driver or by IC) Or DC12-48V	AC100-277V(by driver or by IC) Or DC12-48V Or AC200-488V(<100W)	AC100-277V(by driver or by IC) Or DC12-48V Or AC200-488V		
Input Frequency	50/60Hz				
Power Factor	>0.95				
Surge Protection	10KV				

• Optical

Specification	EX-20W A2YZDA EX-40W A2YZDA EX-60W A2YZDA	EX-80W AYZDA EX-100W AYZDA	EX-150W A3YZDA EX-180W A3YZDA EX-200W A3YZDA	EX-150W A4YZDA EX-180W A4YZDA EX-200W A4YZDA	EX-250W A4YZDA EX-300W A4YZDA
Lumens (lm)	2800 / 5600 / 8400	11200 / 14000	21000 / 25200 / 28000	21000/ 25200 / 28000 / 35000 / 42000	
Lumens/ Watt	140 lm/w(±5%)				
CCT (Tunable)	2200K-7000K				
CRI	80				
Beam Angle	40D / 60D / 90D / 120D				

• Environmental

Specification	EX-20W A2YZDA EX-40W A2YZDA EX-60W A2YZDA	EX-80W AYZDA EX-100W AYZDA	EX-150W A3YZDA EX-180W A3YZDA EX-200W A3YZDA	EX-150W A4YZDA EX-180W A4YZDA EX-200W A4YZDA	EX-250W A4YZDA EX-300W A4YZDA
Ambient Temperature	-40°C ~ +50°C				

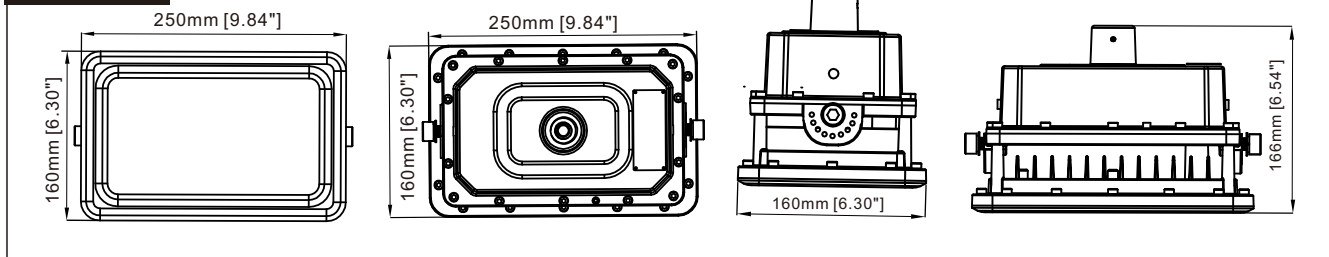
• Mechanical

Specification	EX-20W A2YZDA EX-40W A2YZDA EX-60W A2YZDA	EX-80W AYZDA EX-100W AYZDA	EX-150W A3YZDA EX-180W A3YZDA EX-200W A3YZDA	EX-150W A4YZDA EX-180W A4YZDA EX-200W A4YZDA	EX-250W A4YZDA EX-300W A4YZDA
Housing Material	Aluminum				
Lens	Tempered glass				
Hardware	Stainless steel				
Protection	IP66/IK09				

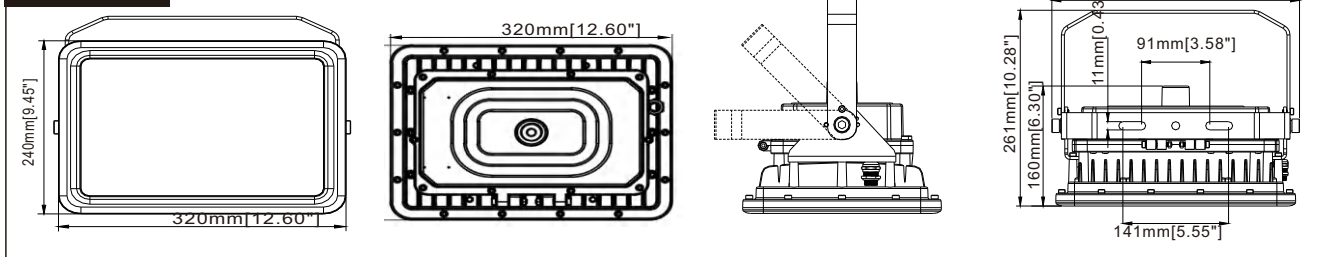
Product Dimensions

Unit: mm or inch

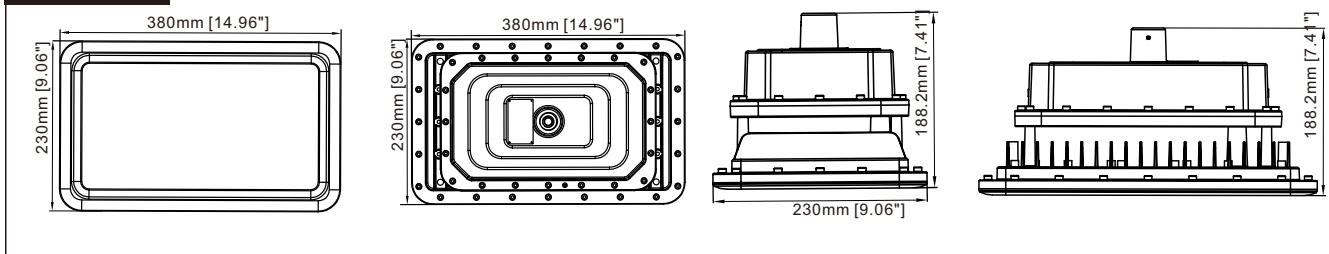
A2 Series



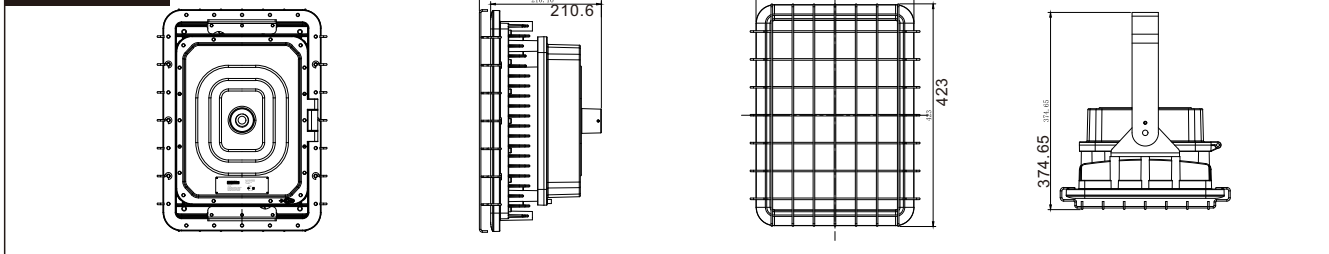
A Series



A3 Series



A4 Series



Packing Information

Model	Quantity/Carton	Length(cm)	Width(cm)	Height(cm)	Net weight(kg)	Gross weight(kg)
A	1	37.5	34	21.5	6.95	7.9
A2	1	36.5	27	30.5	4.15	5.3
A3	1	48.5	34	36.5	8.3	10.3
A4	1	35	47	40	15.1	17

• Light Distribution

200W/40D

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°

200W/60D

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°

200W/90D

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

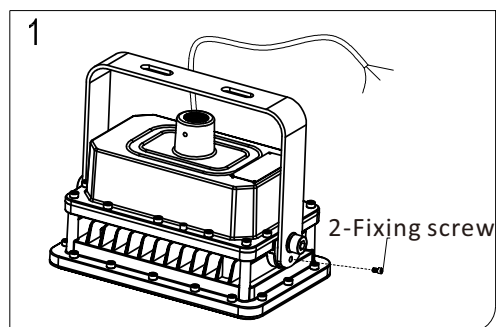
■ Vert, Spread; 90°
■ Horiz, Spread; 90°

200W/120D

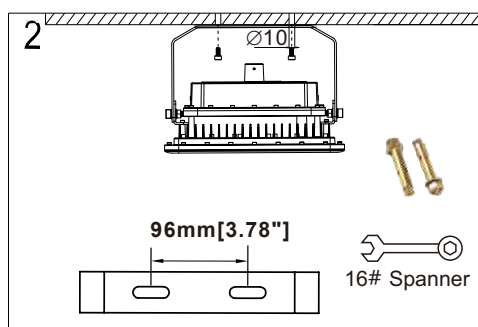
Center Beam fc	Beam Width
4ft 683fc	11ft 11ft
8ft 170fc	21ft 22ft
12ft 73fc	32ft 33ft
16ft 39fc	43ft 45ft
20ft 26fc	53ft 56ft

■ Vert, Spread; 120°
■ Horiz, Spread; 120°

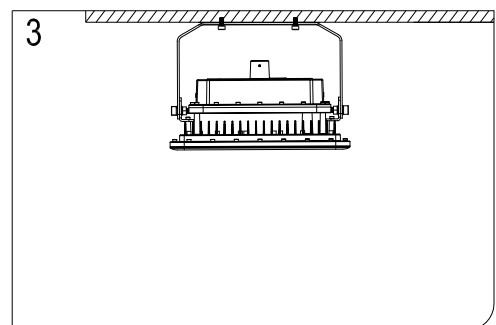
• Ceiling Mounting



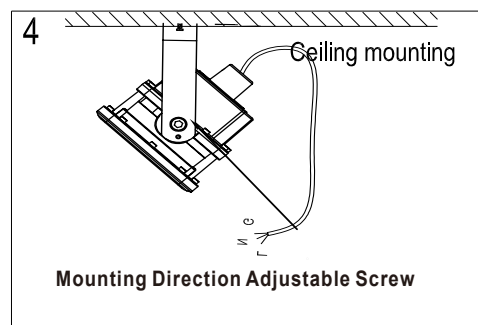
2. Install and tighten flexible metal conduit with the fixture.



3. Drill 2x hole as shown in Fig.2, the distance can be 91~140mm, fixing Ø10 expanded crews and bracket on ceiling.

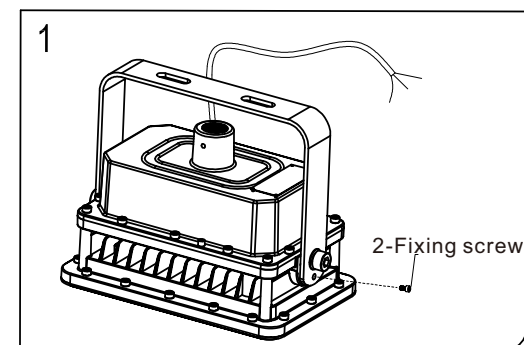


4. Connect black cable to L, connect white cable to N, connect green cable to grounding.

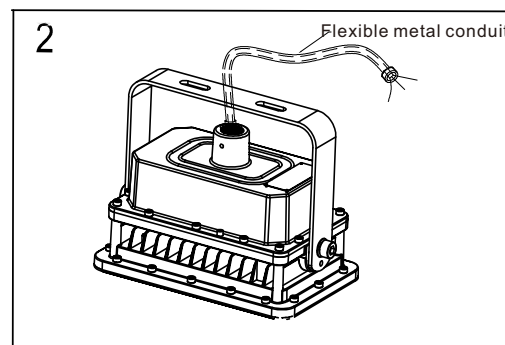


5. Adjust the beam angle from 0-180°.

• Wall Mounting

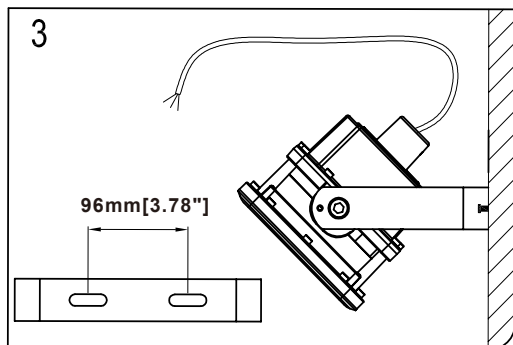


1. Take the fixture and accessory out from carton box, tighten 2x angle holder screw as Fig.1.

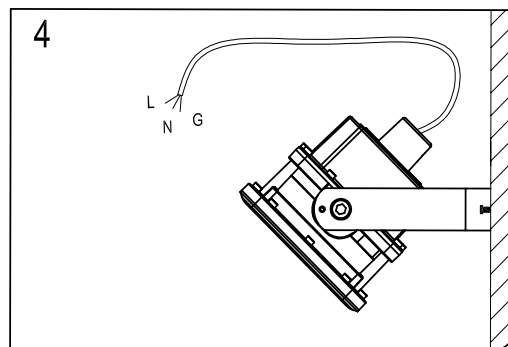


2. Install and tighten flexible metal conduit with the fixture.

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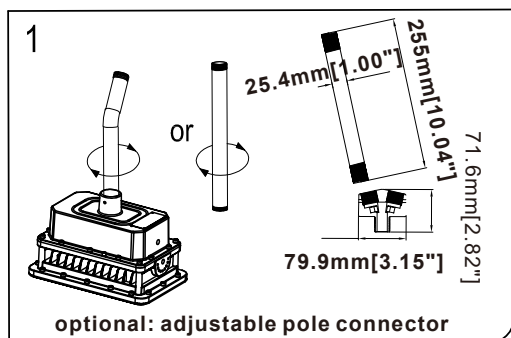


3. Drill 2x hole as Shown in Fig.2, the distance can be 91~140mm, fixing $\varnothing 10$ expansion screws and bracket on ceiling.

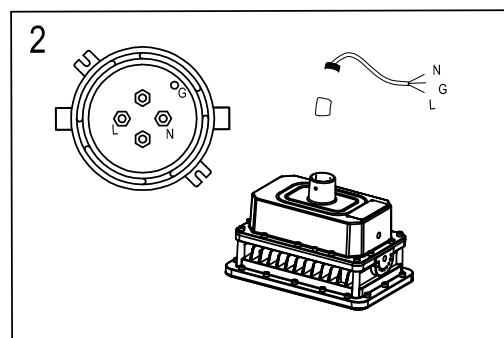


4. Connect black cable to L, Connect White cable to N, Connect green cable to grounding.

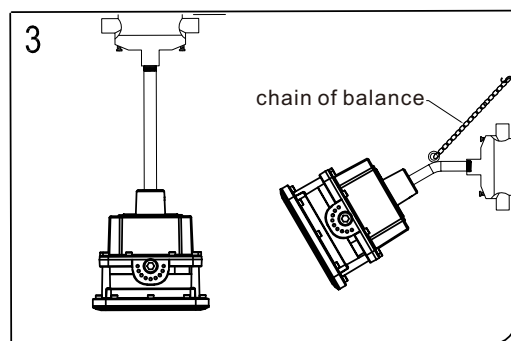
• Pole Mounting



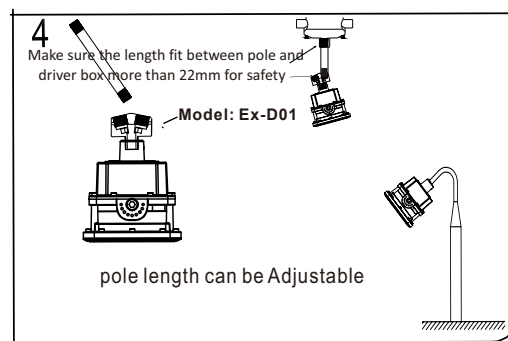
1. Take the fixture and pole accessory out from carton box, tighten pole as shown in Fig.1.



2. Connect black cable to L, Connect White cable to N, Connect green cable to grounding.



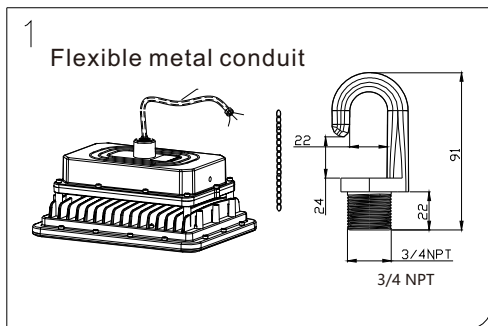
3. Drill 4x $\varnothing 10$ mm holes, as 100mm distance, install the junction box to the wall or ceiling as shown in Fig.3, tighten the pole to the box, and adjust the chain of balance.



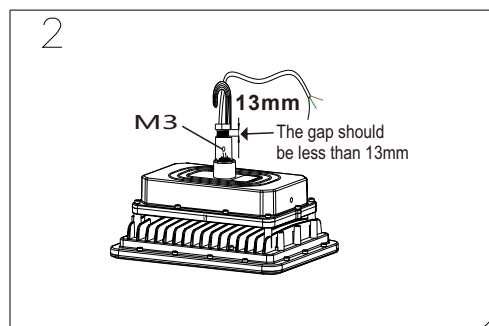
4. Adjustable pole installation. With this adjustable kit, you can Make any light distribution direct as you want. Optional: Install the fixture to the long pole after cable connecting cable.

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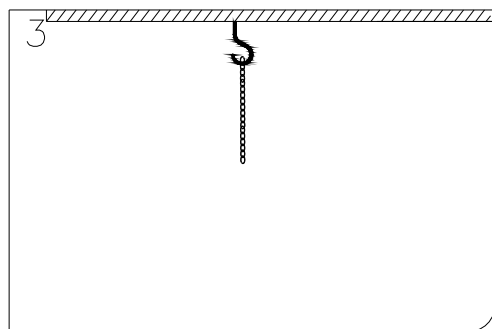
• Hook Pendant



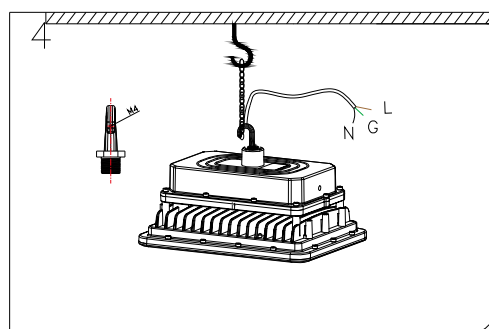
1. Take the fixture and accessory out from carton box, tighten 2x angle holder screw as shown in Fig.1.



2. Tighten the hook with the fixture, at least 6x teeth need to be tighten, fix the M3 screw to prevent the hook loosening .



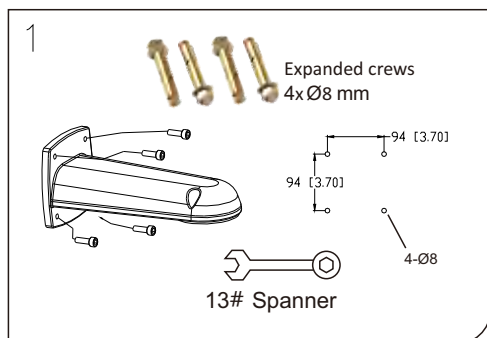
3. Drill 1 expansion screw hole and install it, and hang the chain as shown in Fig.3.



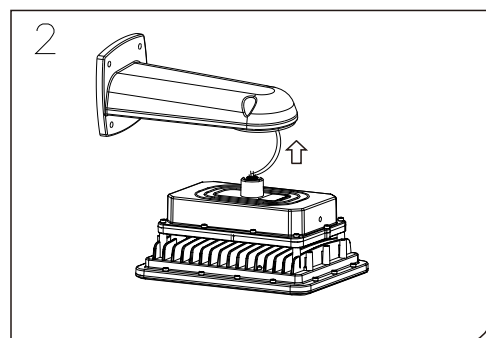
4. Hang the fixture to the hook as above, connect black cable to L, connect White cable to N, connect green cable to grounding.

• Arm Mounting

This installation method is only for Model A2 and Model A. It can not be applied on model A3 because model A3 too heavy. Only one electrician is required for this installation.



1. Drill 4x holes as above distance, and fix the arm on the wall, tighten 4x screws as shown in Fig.1.



2. Contact the power AC wire with lamp, put the terminal into the arm.