



# Explosion Proof C Series

## LED High Bay/Low Bay



Model C2



Model C



Model C3



### Materials

- \* Housing: copper free aluminum
- \* Lens: Tempered glass
- \* Hardware: stainless steel
- \* Mounting Bracket: stainless steel

### Basic Data

Product NumCer	Wattage	Color Temperature	Voltage	Lumens	Warranty	CRI
EX-20W C2YZDA	20	2200K-7000K	AC100-277V Or AC200-488V Or DC12-48V	2800	5 years	80
EX-60W C2YZDA	60			8400		
EX-80W C2YZDA	80			11200		
EX-100W CYZDA	100			14000		
EX-150W CYZDA	150			21000		
EX-200W C3YZDA	200			28000		
EX-250W C3YZDA	250			35000		
EX-280W C3YZDA	280			39200		

"C, C2, C3"=Product code, "Y"=D or N: Dimmable or non-dimmable "Z"=CCT, from 2200-7000K  
 "D"=Beam angle, D40 for 40°, D60 for 60°, D90 for 90°, D120 for 120°  
 A for glass info. blank for flat glass, C for spherical glass.

### Explosion Protection

Marking Atex	II2 G Ex db op is IIB T5/T6 Gb II2 D Ex op is tb IIIC T80/90C Db IP66
Marking IECEX	Ex db op is IIB T5/T6 Gb Ex op is tb IIIC T80/90C Db IP66
Marking UL844 (North American)	Class I, Division 1, Groups C, D 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
Other Rating	IP 66 IK 10

### Applications

#### 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

## Key Features

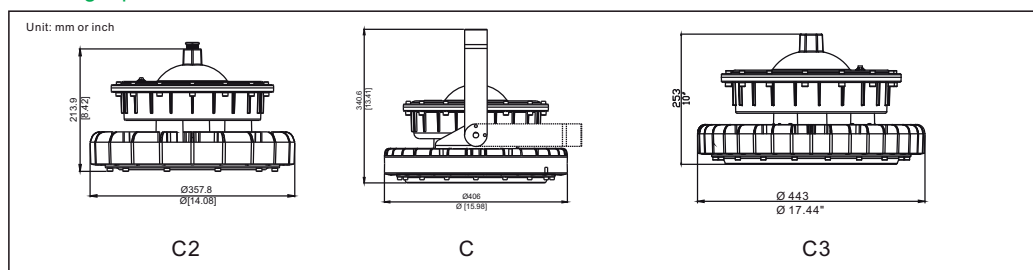
- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- Three connection cable entry points.
- Replaceable LED board and drivers.
- Integrated junction box for driver with emergency back up.
- Dimmable and battery back up function available.
- Marine rating powder coated appearance treatment.

## Value-Added Features

- 10kV surge protection.
- Up to 5 years limited warranty option.
- Emergency Battery back up.
- Various installation ways for different applications.
- Glass lens or Glass with polycarbonate lens to make bigger beam angle.

## Mechanical Structure

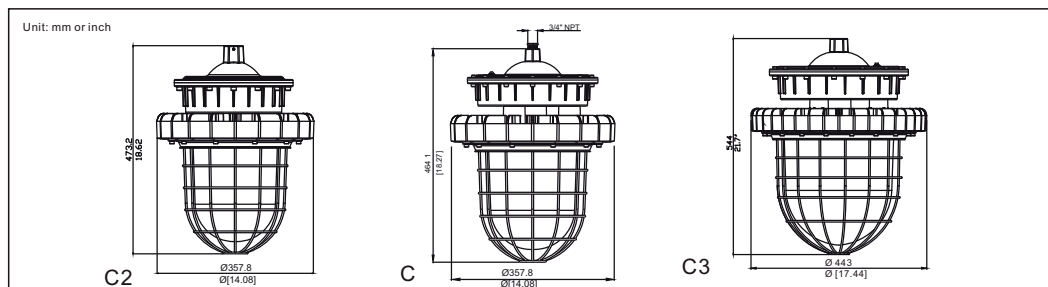
### Housing Option A: Bracket and Flat Glass Lens



This structure type with bracket, flat glass and optics lens generates 40°, 60°, 90° and 120° light distribution.

### Housing Option B:

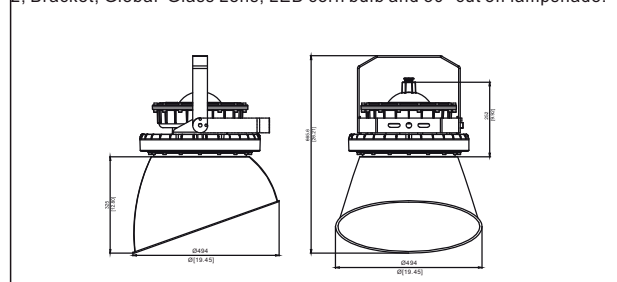
- 1, Bracket, Global Glass Lens, Wireguard and flat LED module.
- 2, Bracket, Global Glass Lens, Wireguard and LED corn bulb.



This structure type with bracket, global glass lens and wireguard generates 180° light distribution. We also can put corn bulb in the global glass lens to make this beam angle up to 360°.

### Housing Option C

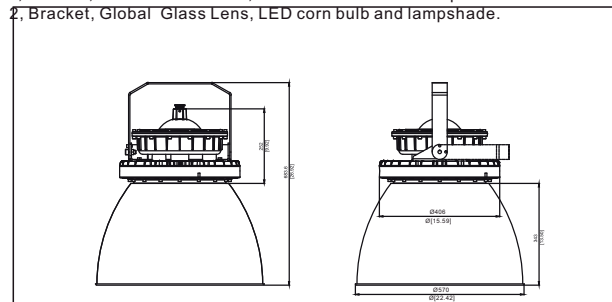
- 1, Bracket, Global Glass Lens, flat LED module and 30° cut off lampshade.
- 2, Bracket, Global Glass Lens, LED corn bulb and 30° cut off lampshade.



This structure can make the lighting distribution more concentrated for special beam angle.

### Housing Option D

- 1, Bracket, Global Glass Lens, flat LED module and lampshade.
- 2, Bracket, Global Glass Lens, LED corn bulb and lampshade.



This structure can make the lighting distribution more concentrated.

# Installation Manual

## WARNING

READ THIS INSTRUCTION CAREFULLY BEFORE INSTALLING. KEEP THIS INSTRUCTION FOR FUTURE REFERENCE.

Fixtures must be wired in accordance with the National electrical code and all applicable local codes. Proper grounding is required for safety.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A QUALIFIED ELECTRICIAN WHO IS FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

**Warning:** Risk of fire or electric shock. High bay Light installation requires knowledge of luminaires and electrical systems. If not qualified, DO NOT try to install. Please contact an electrician.

**Warning:** Risk of fire or electric shock. Suitable for wet locations. Make sure the power is off prior to install.

**Warning:** Risk of fire or electric shock. Suitable for non-insulated surface and frame. DO NOT cover fixture with insulation liner or similar material.

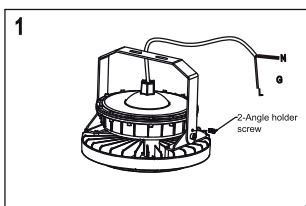
**Warning:** DO NOT install in unstable, loose or breakable surfaces.

**Warning:** DO NOT let objects impact or exert force on the surface of the fixture.

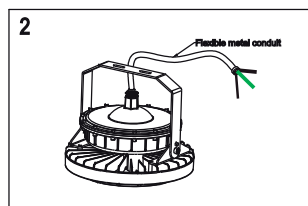


**WARNING**  
Risk of fire, Electric shock or personal injury  
Before installation, turn off power!

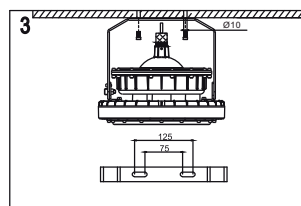
## Ceiling Mounting



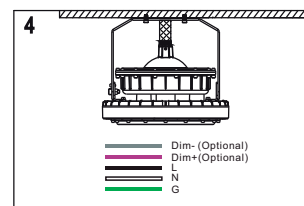
1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.



2. Flexible metal conduit tighten with the fixture.

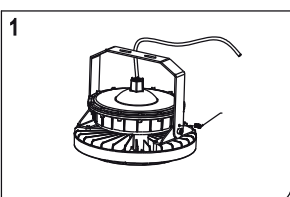


3. Drill 2x holes as fig.3, the distance can be 75~125mm fixing Ø10mm expanded screws and bracket on ceiling.

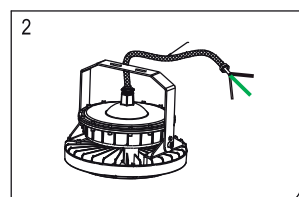


4. Connect the AC cable, Black cable connect to L, white cable connect to N, green cable connect to grounding. Wiring the dimming cable, gray one to Dim-, purple one to Dim+.

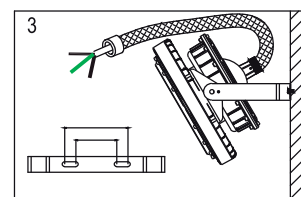
## Wall Mounting



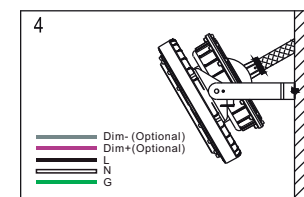
1. Take the fixture and accessory out from cartoon box, tighten 2x angle holder screw as Fig.1.



2. Flexible metal conduit tighten with the fixture.

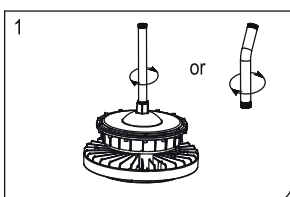


3. Drill 2x holes as fig.3, the distance can be 91~140mm fixing Ø10mm expanded screws and bracket on wall.

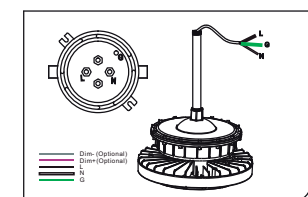


4. Connect the AC cable, Black cable connect to L, white cable connect to N, green cable connect to grounding. Wiring the dimming cable, gray one to Dim-, purple one to Dim+.

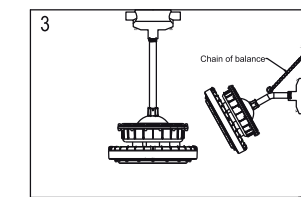
## Pole Pendant



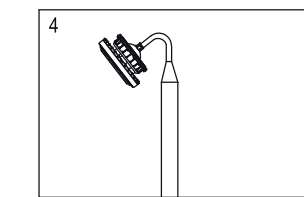
1. Take the fixture and pole accessory out from cartoon box, tighten pole as Fig.1.



2. Connect the AC cable to installation box, Black cable connect to L, white cable joins to N, green cable joins to grounding. Wiring the dimming cable, gray one to Dim-, purple one to Dim+.

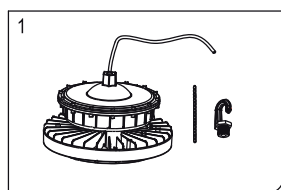


3. Install the installation box to the wall or ceiling as Fig.3. Tighten the pole to the box, and adjust the chain of balance.

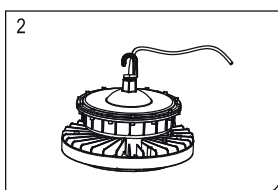


4. Install the fixture to the pole after cable connecting.

## Hook Pendant



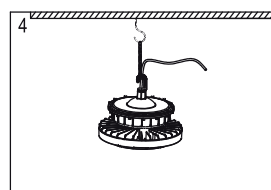
1. Take the fixture and accessory out from carton box as Fig.1.



2. Through the cable to the hook and Fig.2.

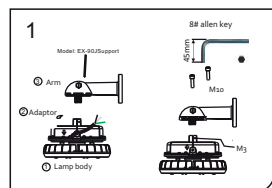


3. Drill 1x expanded screw hole and install it, and hang the chain as Fig.3.

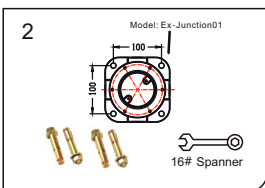


4. Hang the fixture to the hook as above, connect the AC cable, Black cable connect to L, white cable joins to N, green cable connect to grounding.

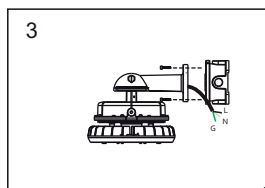
## Wall Mounting to junction box



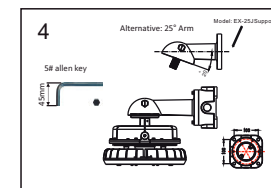
1. Tighten part 2 and assembly 1, and fix the M3 screw, install arm to the adaptor, tighten the M10 via 8# allen key.



2. Drill 4x Ø10mm holes in the junction box to the wall via M10 expanded screw.

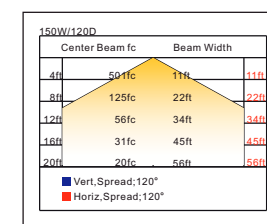
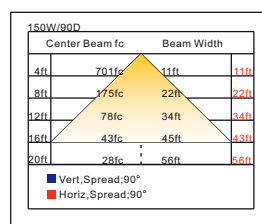
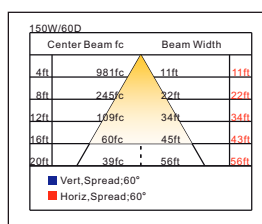
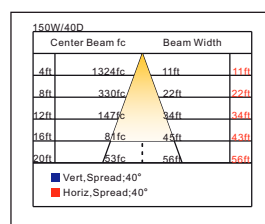


3. Contact the AC wire to power system, black one to Live wire, white one to Null wire, green one to grounding.



4. Tighten 6 x screws between arm and junction box, turn on the power to test the luminaires is work.

## Lighting Distribution



## Packing Information

Model	Quantity/Carton	Length(cm)	Width(cm)	Height(cm)	Net weight(kg)	Gross weight(kg)
C	1	55	52	36	17.4	19
C2	1	47	47	34.5	14	16
C3	1	55.5	55.5	34.5	21	25

## Accessories



● Model: Ex-Junction01  
Name: Junction Box  
Material: Aircraft Aluminum A383



● Model: EX-Hook  
Name: Installation Hook  
Material: Aircraft Aluminum A383



● Model: Ex-Conduit01  
Name: Metal Conduit  
Material: Stainless Steel and Aluminum



● Model: EX-WPipe  
Name: Winding Swing Pipe  
Material: Iron with Power Coating



● Model: EX-SPipe  
Name: Winding Swing Pipe  
Material: Iron with Power Coating



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



● Model: Ex-90JSupport  
Name: 90° Arm to Junction box  
Material: Aircraft Aluminum A383



● Model: Ex-25JSupport  
Name: 25° Arm to Junction box  
Material: Aircraft Aluminum A383



● Model: Ex-ShadeC/C2/C3  
Name: Lamp Shade  
Material: Aluminum A6061



● Model: Ex-CshadeC/C2/C3  
Name: Cut off lamp shade  
Material: Aluminum A6061



● Model: Ex-Chain  
Name: Pendant Chain  
Material: Stainless Steel S30400