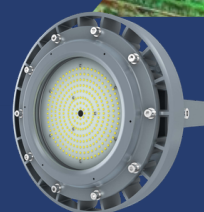




Explosion Proof Light C Series



Industrial Field & Hazardous Locations

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



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

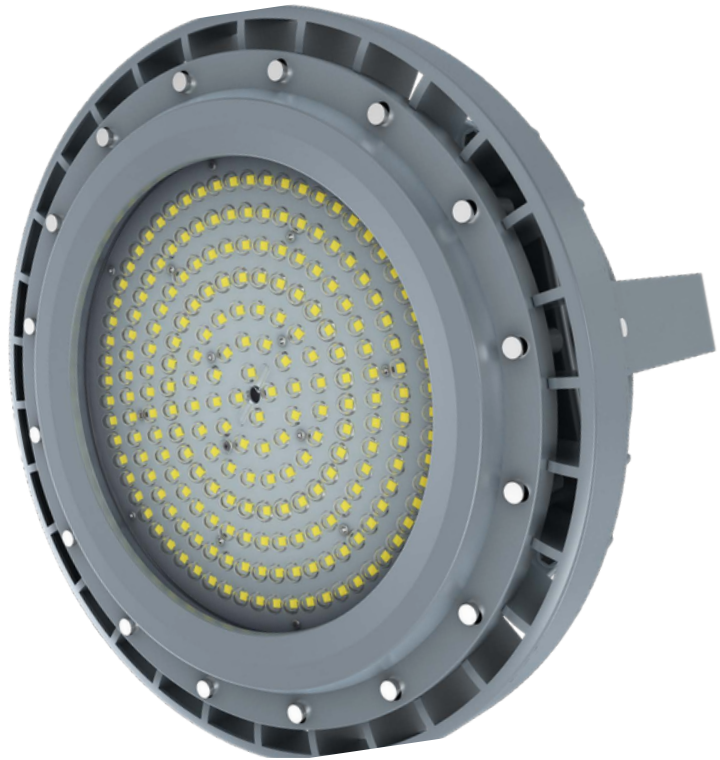
UL 1598, UL1598A

ABS

Other Rating

IP 66

IK 10



Materials

•Housing: Aluminum

•Lens: Tempered glass

•Hardware: stainless steel

•Mounting Bracket: stainless steel

Specification

	Wattage	Color Temperature	Voltage	Lumens	Warranty	CRI
	20W	2200K-7000K	AC100-277V Or AC200-480V Or DC12-48V	2800	5 years	80
	60W			8400		
	80W			11200		
	100W			14000		
	150W			21000		
	200W			28000		
	250W			35000		
	280W			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°

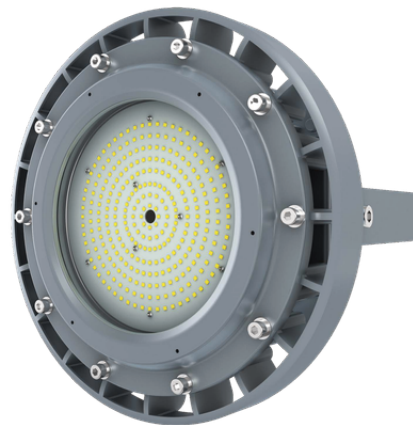
A for glass info. blank for flat glass, C for spherical glass.

Packing Information

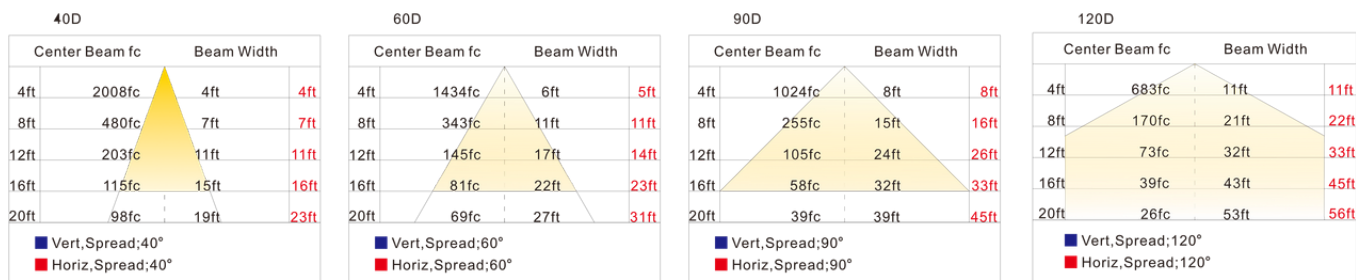
	Quantity/ Carton	Length(cm)	Width (cm)	Height(cm)	Net weight(kg)	Gross weight(kg)
	1	55	52	36	17.4	19
	1	47	47	34.5	14	16
	1	55.5	55.5	34.5	21	25

Features

- Working Temperature: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$.
ATEX & IECEx(IC Version): $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$.
- High quality SMT LED and Meanwell Driver.
- Light-weight design by aircraft aluminum.
- Heavy-duty and high impact resistance.
- 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 finish treatment.
- Up to 5 years limited warranty.
- Emergency Battery back up to three hours.
- Various installation ways for different applications.
- Glass lens or polycarbonate lens to make various beam angles.

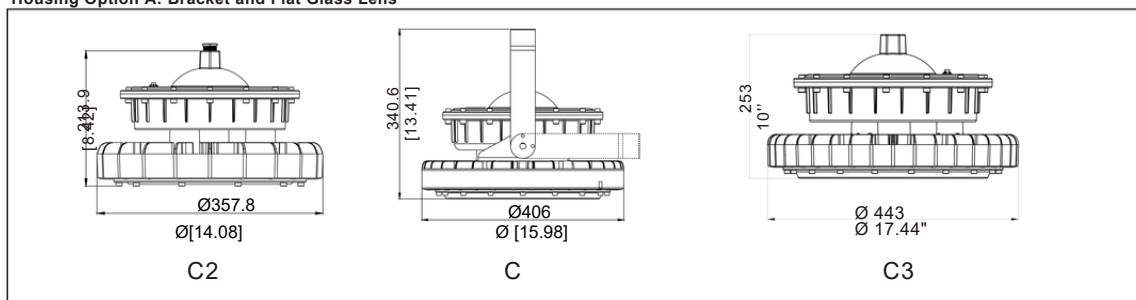


Light Distribution



Dimension Unit: mm or inch

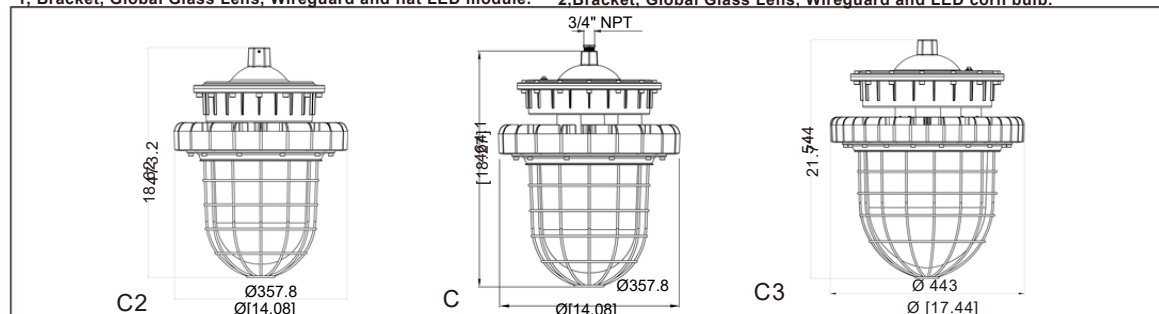
Housing Option A: Bracket and Flat Glass Lens



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

Housing Option B:

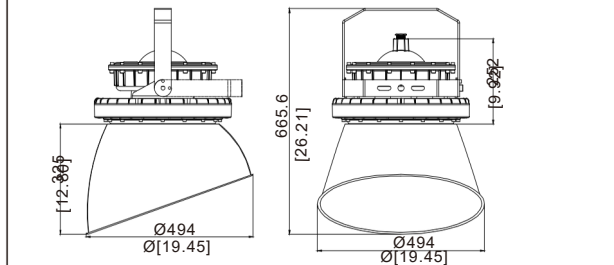
1, Bracket, Global Glass Lens, Wireguard and flat LED module. 2, Bracket, Global Glass Lens, Wireguard and LED corn bulb.



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

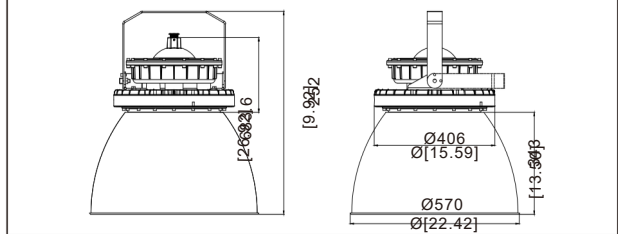
1, Bracket, Global Glass Lens, flat LED module and 30° cut off lampshade.



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

Housing Option D

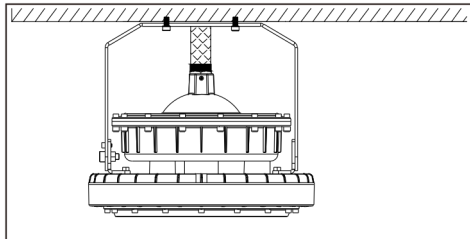
1, Bracket, Global Glass Lens, flat LED module and lampshade.
2, Bracket, Global Glass Lens, LED corn bulb and lampshade.



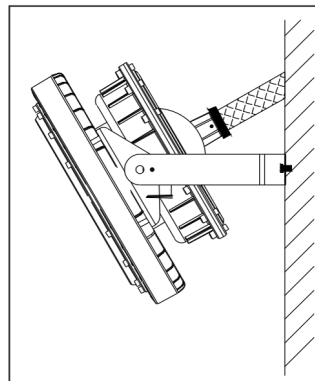
This structure can make the lighting distribution more concentrated.

Mounting

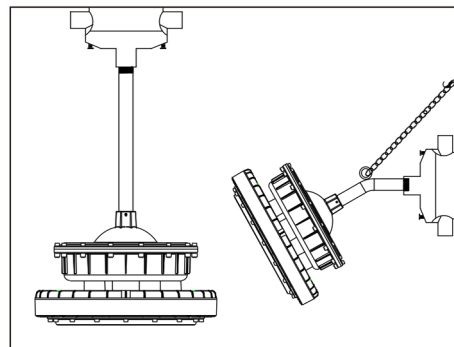
No.1: Ceiling Mounting



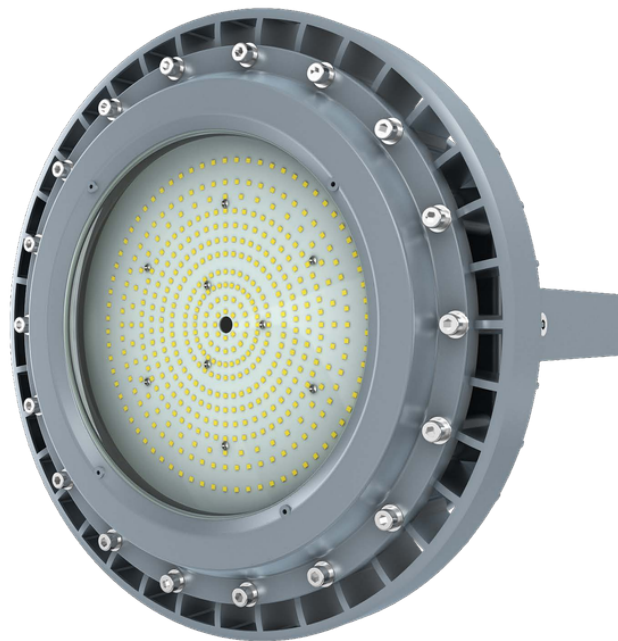
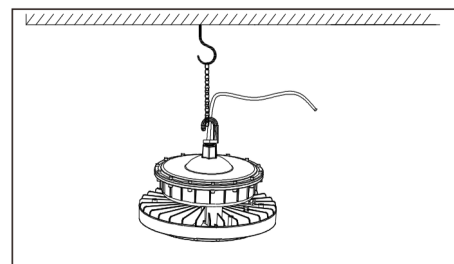
No.2: Wall Mounting



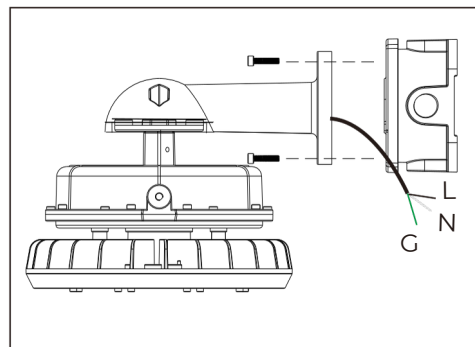
No.3: Pole Mounting



No.4: Hook Pendant Mounting



No.5: Wall Mounting to Junction Box



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



● Model: EX-25PSupport
Name: 25 Degree Pole Support
Material: Aircraft Aluminum A383



● Model: EX-90PSupport
Name: 90 Degree Pole Support
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-DArm
Name: Direct Mounting Arm
Material: Aircraft Aluminum A383



● Model: Ex-ShadeB/B2/B3
Name: Lamp Shade
Material: Aluminum A6061



● Model: Ex-CshadeB/B2/B3
Name: Cut off lamp shade
Material: Aluminum A6061



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



● Model: Ex-90JSupport
Name: 90° Arm to Junction box
Material: Aircraft Aluminum A356



● Model: Ex-25JSupport
Name: 25° Arm to Junction box
Material: Aircraft Aluminum A356

