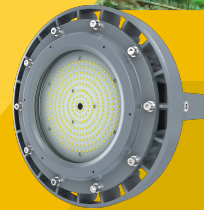# Explosion Proof Light

C Series

Industrial Field & Hazardous Locations

Edison Lighting Supply, LLC
(866)-643-0555
www.edisonls.com
sales@edisonls.com

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
Il2 G Ex db op is IIB T5/T6 Gb
Il2 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
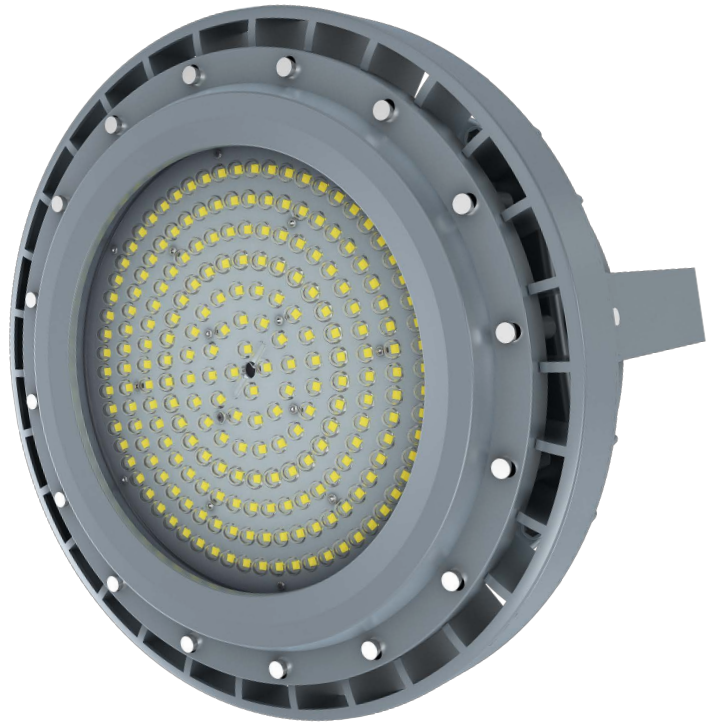 Class II,Division 2,Groups F,G
 Class III

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

Model	Wattage	Color Temperature	Voltage	Lumens	Warranty	CRI
EX-20W C2YZDA	20W			2800		
EX-60W C2YZDA	60W			8400		
EX-80W C2YZDA	80W			11200		
EX-100W CYZDA	100W	2200K-7000K	AC100-277V Or AC200-480V Or DC12-48V	14000	5 years	80
EX-150W CYZDA	150W			21000		
EX-200W C3YZDA	200W			28000		
EX-250W C3YZDA	250W			35000		
EX-280W C3YZDA	280W			39200		

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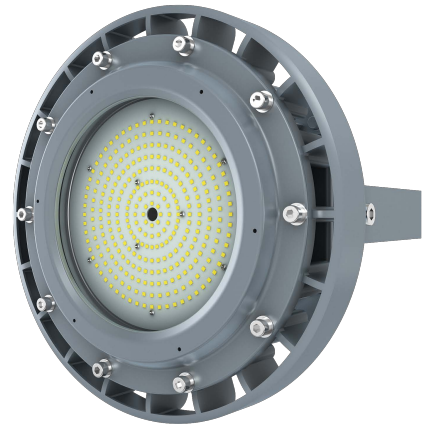"D"=Beam angle, D40 for 40°, D60 for 60°, D90 for 90°, D120 for 120°
 A for glass info. blank for flat glass, C for spherical glass.

Packing Information

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

Features

• Working Temperature: -40°C ~ +60°C.
    IECEX: -40°C ~ +80°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.

Light Distribution

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°

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°

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°

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°

Dimension Unit: mm or inch

Housing Option A: Bracket and Flat Glass Lens

213.9 [8.42]   Ø357.8 Ø[14.08]   **C2**

340.6 [13.41]   Ø406 Ø [15.98]   **C**

253 10''   Ø 443 Ø 17.44''   **C3**
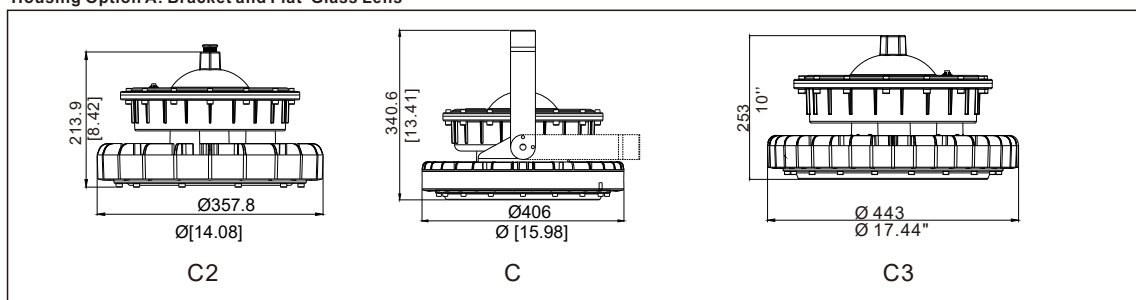
This structure type with bracket,flat glass and optics lens generates 40°,60°,90° and 120° light distribution.

Housing Option B:

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

473.2 18.62   Ø357.8 Ø[14.08]   **C2**

3/4" NPT   464.1 [18.27]   Ø357.8 Ø[14.08]   **C**

544 21.7''   Ø 443 Ø [17.44]   **C3**
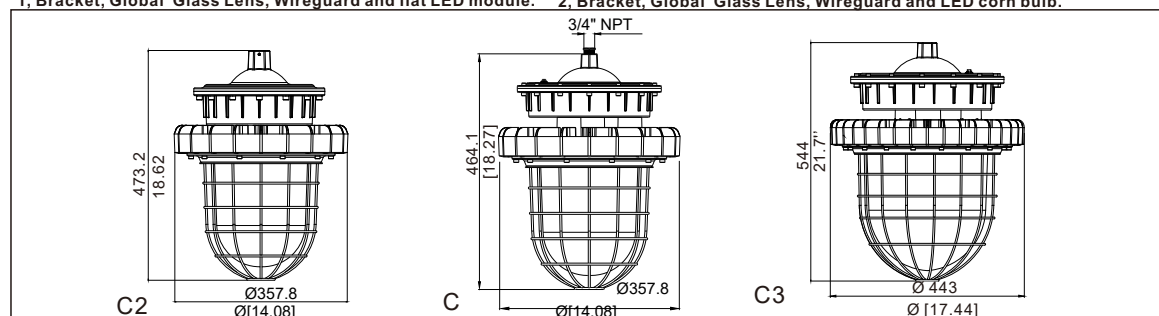
This structure type with bracket, global glass lens and wireguard generates 180° light distribution. We also can put corn bulb In the global glass lens to make this beam angle up to 360°.

Housing Option C

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

325 [12.80]
665.6 [26.21]
252 [9.92]
Ø494 Ø[19.45]
Ø494 Ø[19.45]
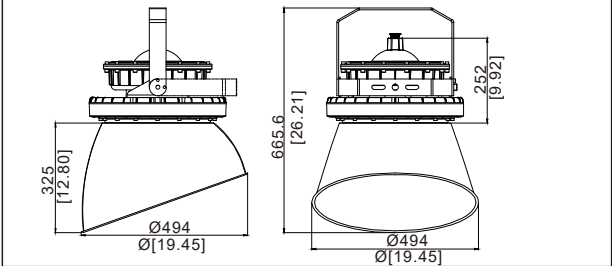
This structure can make the lighting distribution more concentrated for special beam angle.

Housing Option D

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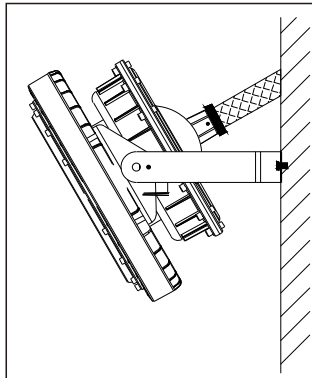2, Bracket, Global Glass Lens, LED corn bulb and lampshade.

252 [9.92]
683.6 [26.92]
Ø406 Ø[15.59]
343 [13.50]
Ø570 Ø[22.42]
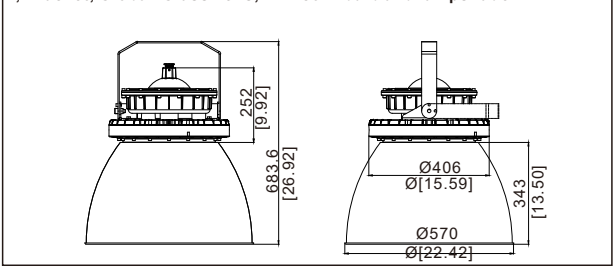
This structure can make the lighting distribution more concentrated.

Mounting

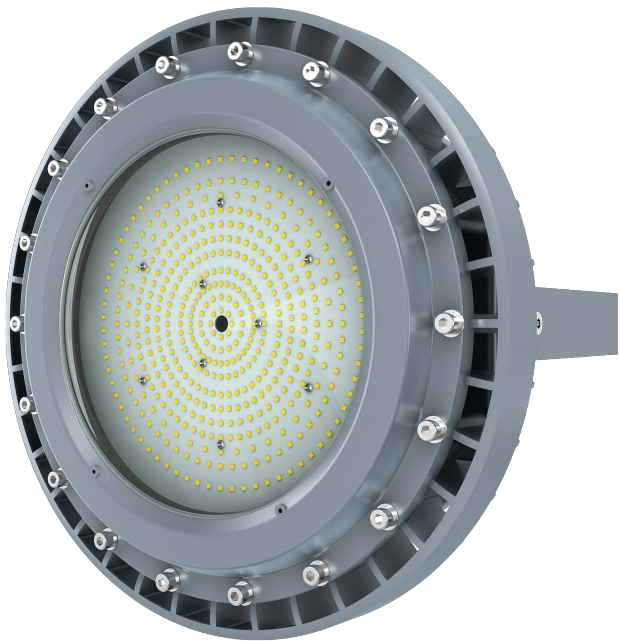## No.1: Ceiling Mounting
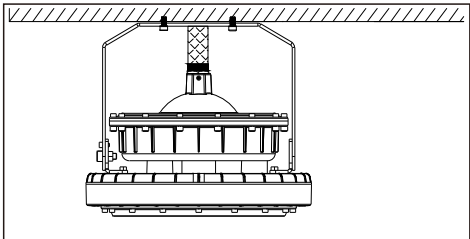
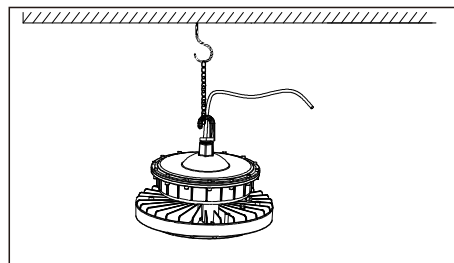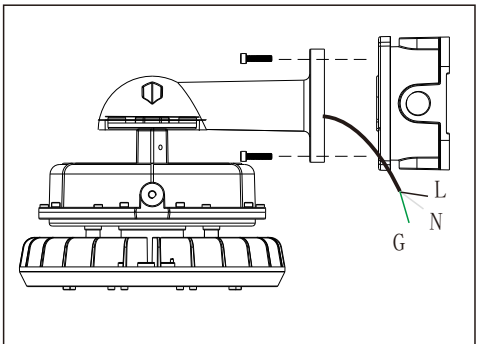## No.2: Wall Mounting

No.3: Pole Mounting
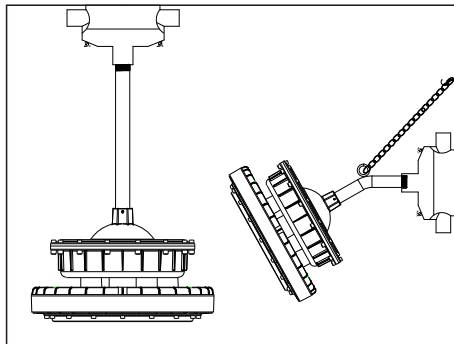
No.4: Hook Pendant Mounting

No.5: Wall Mounting to Junction Box

L
N
G

Accessories

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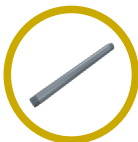Name: Junction Box
Material: Aircraft Aluminum A383

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
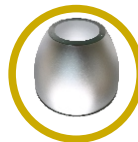Name: 90 Degree Pole Support
Material: Aircraft Aluminum A383

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