

C Series

LED Explosion Proof Light



C2



C



C3

Certifications:

- ◆ Marking ATEX
 - ◆ II2 G Ex db IIB T5/T6 Gb
 - ◆ II2 D Ex tb IIIC T80/90C Db IP66
- ◆ Marking IECEx
 - ◆ Ex db IIB T5/T6 Gb
 - ◆ Ex tb IIIC T80/90C Db IP66
- ◆ Marine Marking
 - ◆ UL 1598, UL1598A
 - ◆ ABS
- ◆ 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
- ◆ IP66

Standard Materials:

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

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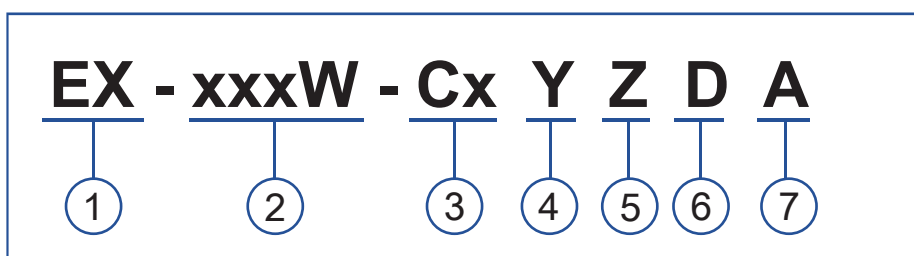
Key Features:

- 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.

Additional Features:

- ◆ Emergency battery backup is available.
- ◆ 5-year warranty.
- ◆ Working Temperature: -40°C to 60°C (-40°F to 140°F); ATEX & IECEx (IC solution): -40°C to 80°C (-40°F to 176°F).

Catalog Number Logic:



① PRODUCT CATEGORY

- ◆ Explosion proof light

② WATTAGE

- ◆ 20W-280W

③ PRODUCT SERIES

- ◆ C ◆ C2 ◆ C3

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

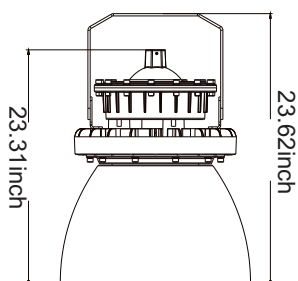
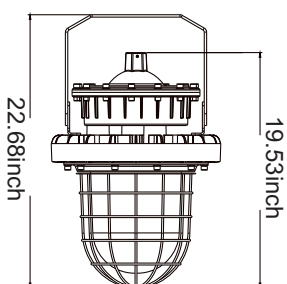
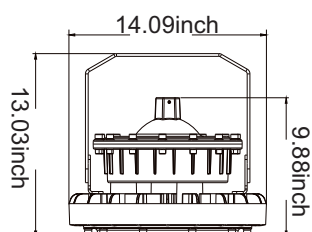
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Technical Data:

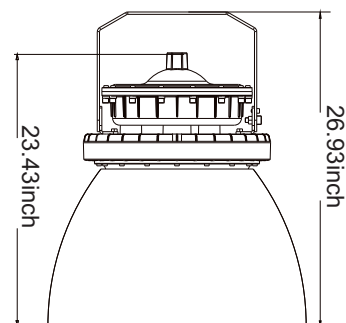
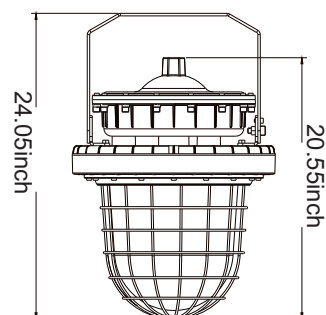
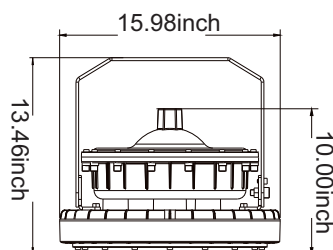
| Model | Wattage | Operating Voltage | Lumens (lm) | Efficacy (lm/W) | CRI | CCT | Emergency Time |
|----------------|---------|---------------------------------|-------------|-----------------|-----|-------------|----------------|
| EX-20W C2YZDA | 20W | AC100-277V/DC12-48V, AC200-480V | 2,800 | 140 | >70 | 2200K-7000K | 3 hours |
| EX-40W C2YZDA | 40W | | 5,600 | | | | |
| EX-60W C2YZDA | 60W | | 8,400 | | | | |
| EX-80W C2YZDA | 80W | | 11,200 | | | | |
| EX-100W CYZDA | 100W | | 14,000 | | | | |
| EX-150W CYZDA | 150W | | 21,000 | | | | |
| EX-200W C3YZDA | 200W | | 28,000 | | | | |
| EX-250W C3YZDA | 250W | | 35,000 | | | | |
| EX-280W C3YZDA | 280W | | 39,200 | | | | |

Dimensions:

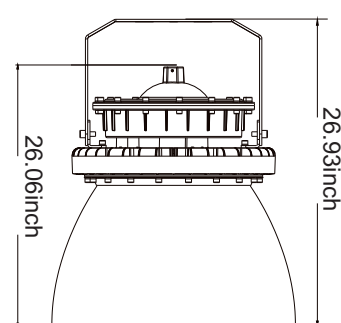
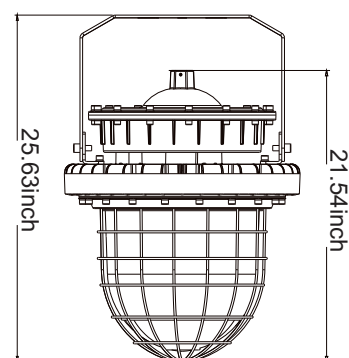
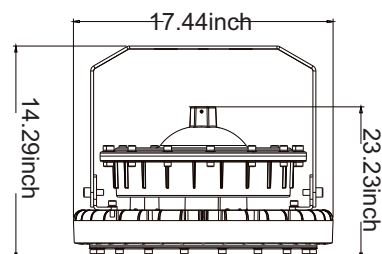
C2 Series



C Series



C3 Series



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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 |

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 |

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 |

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 |

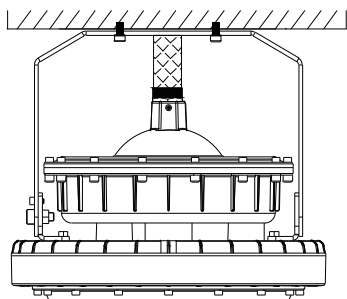
120°

Packing Information:

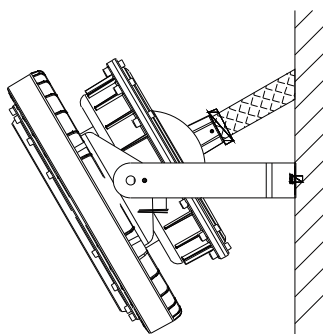
| Model | Quantity/Carton | Packing Size | Net Weight | Gross Weight |
|-------|-----------------|-----------------------|--------------------|------------------|
| C2 | 1 PCS | 18.50x18.50x13.58inch | 14 kg/ 30.86 lbs | 16 kg/ 35.27 lbs |
| C | 1 PCS | 21.65x20.47x14.17inch | 17.4 kg/ 38.36 lbs | 19 kg/ 41.89 lbs |
| C3 | 1 PCS | 21.85x21.85x13.58inch | 21 kg/ 46.30 lbs | 25 kg/ 55.12 lbs |

Mounting Methods:

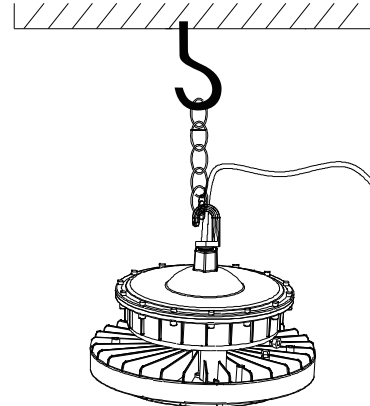
Ceiling Mounting:



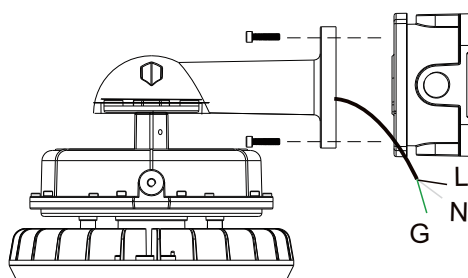
Wall Mounting:



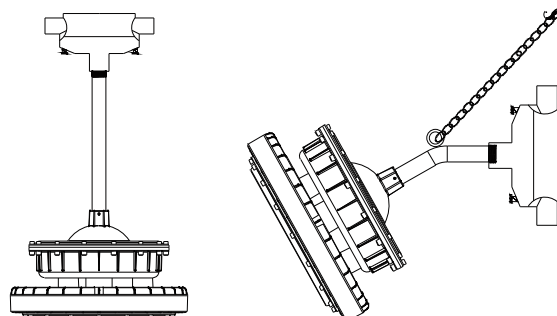
Hook Pendant Mounting:



Wall Mounting to Junction Box:



Pole Mounting:



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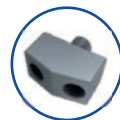
Accessories:



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



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



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



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



- **Model: Ex-Lamp Shade**
Name: Lamp Shade
Material: Aluminum A1070



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



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



- **Model: Ex-Lamp Shade**
Name: Cut off lamp shade
Material: Aluminum A1070



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



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



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

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.