

LED HAZARDOUS LOCATIONS LIGHT - MS Series D



**Explosion Proof Light
D Series**



Industrial Field & Hazardous Locations

D Series

LED Explosion Proof Light



Certifications:

- ◆ 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
- ◆ IP66
- ◆ IK10

Standard Materials:

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

LED Explosion Proof Light - D Series

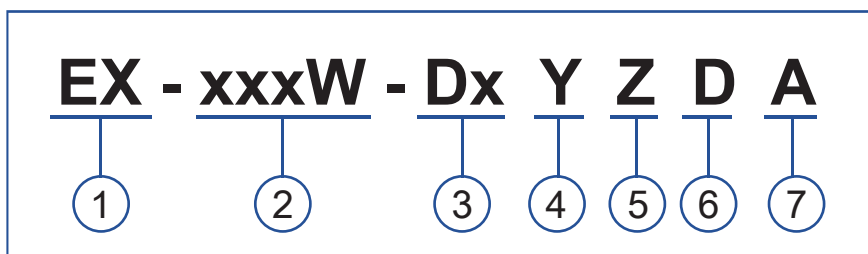
Key Features:

- 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:

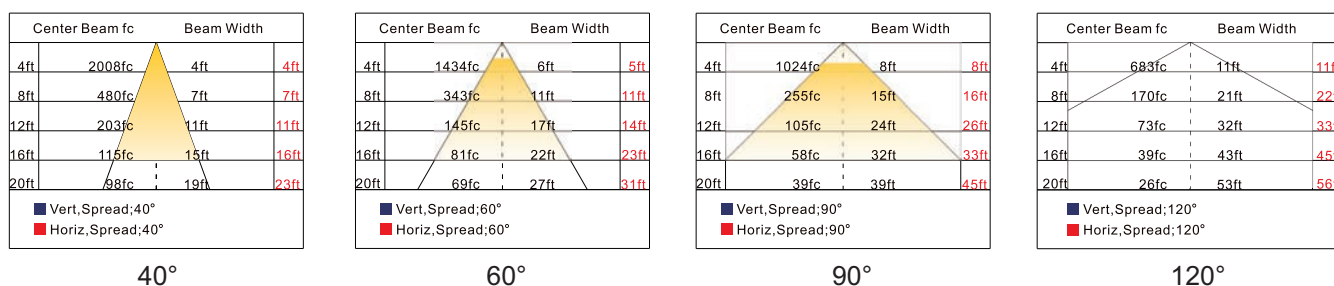
- ◆ Emergency battery backup is available.
- ◆ 5-year warranty.
- ◆ Low temperature applications to -40°C (-40°F) and high temperature up to 55°C (131°F).

Catalog Number Logic:



- | | | | |
|--|---|--|---|
| <p>① PRODUCT CATEGORY</p> <ul style="list-style-type: none"> ◆ Explosion proof light | <p>② WATTAGE</p> <ul style="list-style-type: none"> ◆ 20W-220W | <p>③ PRODUCT SERIES</p> <ul style="list-style-type: none"> ◆ D ◆ D2 | <p>④ DIMMING OPTION</p> <ul style="list-style-type: none"> ◆ D= dimmable ◆ N= Non-dimmable |
| <p>⑤ CCT</p> <ul style="list-style-type: none"> ◆ From 2200K to 7000K ◆ 22=2200K, 30=3000K, ..., 70=7000K | <p>⑥ BEAM ANGLE</p> <ul style="list-style-type: none"> ◆ D40= 40° ◆ D90= 90° ◆ D60= 60° ◆ D120= 120° | <p>⑦ GLASS TYPE</p> <ul style="list-style-type: none"> ◆ A=blank: Flat glass ◆ A=C: Spherical glass | |

Photometry:



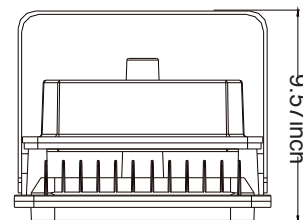
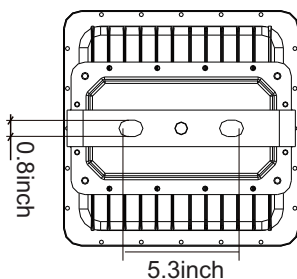
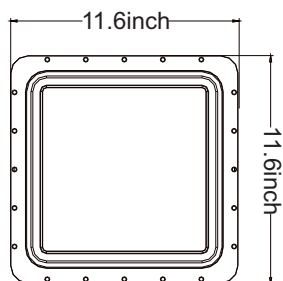
LED Explosion Proof Light - D Series

Technical Data:

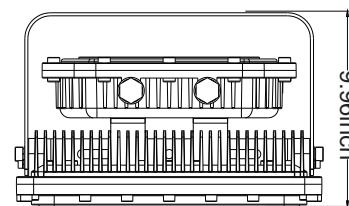
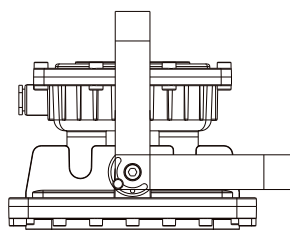
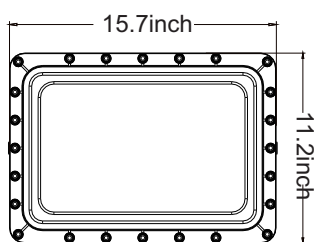
Model	Wattage	Operating Voltage	Lumens (lm)	Efficacy (lm/W)	CRI	CCT	Emergency Time
EX-20W D2YZDA	20W	AC100-277V/200-480V or DC12-48V	2,800	140	>70	2200K-7000K	3 hours
EX-40W D2YZDA	40W		5,600				
EX-60W D2YZDA	60W		8,400				
EX80W D2YZDA	80W		11,200				
EX-100W DYZDA	100W		14,000				
EX-150W DYZDA	150W		21,000				
EX-200W DYZDA	200W		28,000				
EX-220W DYZDA	220W		30,800				

Dimensions:

D2 Series



D Series



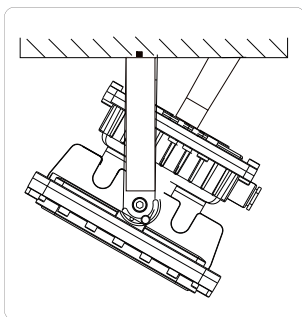
Packing Information:

Model	Quantity/Carton	Packing Size	Net Weight	Gross Weight
D2	1 PCS	15.75x15.16x13.19inch	7 kg/ 15.43 lbs	9.5 kg/ 20.94 lbs
D	1 PCS	19.76x14.80x13.78inch	17.9 kg/ 39.46 lbs	19.5 kg/ 42.99 lbs

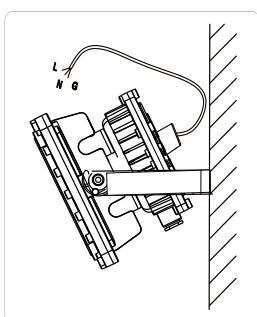
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Mounting Methods:

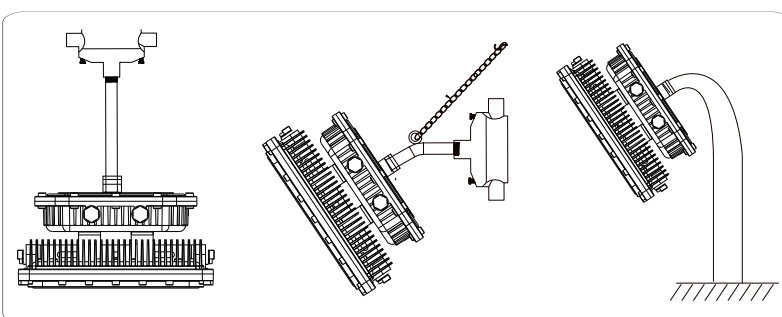
◆ Ceiling Mounting:



◆ Wall Mounting:



◆ Pole Mounting:



Accessories:



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



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



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



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



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



- **Model: Ex-Bracket**
Name: U-bracket
Material: Stainless Steel

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.

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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



LED HAZARDOUS LOCATIONS LIGHT - MS Series D

Explosion Protection

Marking UL844(North American)
 Class I, Div. 1, Groups C, D
 Class I, Div. 2, Groups A,B,C,D
 Class II, Div. 1, Groups E,F,G
 Class II, Div. 2, Groups F,G
 Class III

Marine Marking
 UL 1598A
 ABS

Other Rating
 IP 66
 IK 10



Materials

- Housing: Aluminum
- Lens: Tempered glass
- Hardware: stainless steel
- Mounting Bracket: stainless steel



Specification

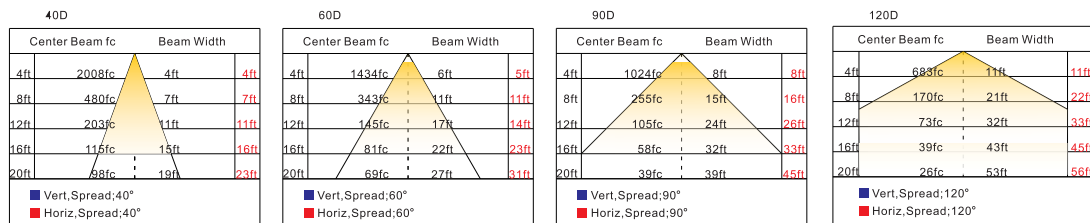
Model	Wattage	Color Temperature	Voltage	Lumens	Warranty	CRI	Emergency Time
EX-20W D2YZDA	20W	2200K-7000K	AC100-277V (by driver or by IC) Or AC200-480V (<65W) Or DC12-48V	2800	5 years	80	3 Hours
EX-40W D2YZDA	40W			5600			
EX-60W D2YZDA	60W			8400			
EX-80W D2YZDA	80W			11200			
EX-100W DYZDA	100W			14000			
EX-150W DYZDA	150W			21000			
EX-200W DYZDA	200W		AC100-277V (by driver or by IC) Or AC200-480V Or DC12-48V	28000			

"D,D2"=Product series; "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.

Packing Information

Model	Quantity/Ctn	Dimension(MM)	Net weight(KG)	Gross weight(KG)
D	1	502×376×350	17.9	19.5
D2	1	400×385×335	7	9.5

Light Distribution



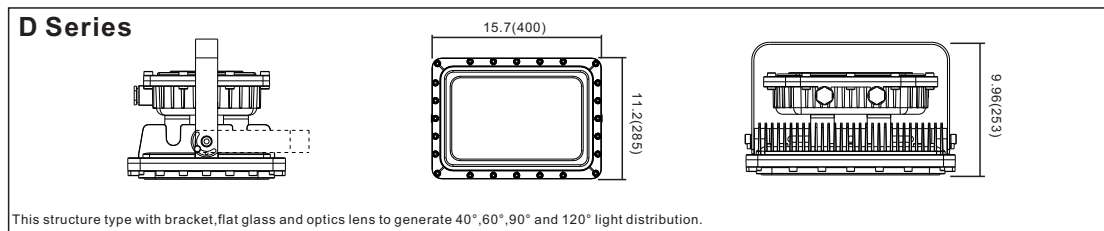
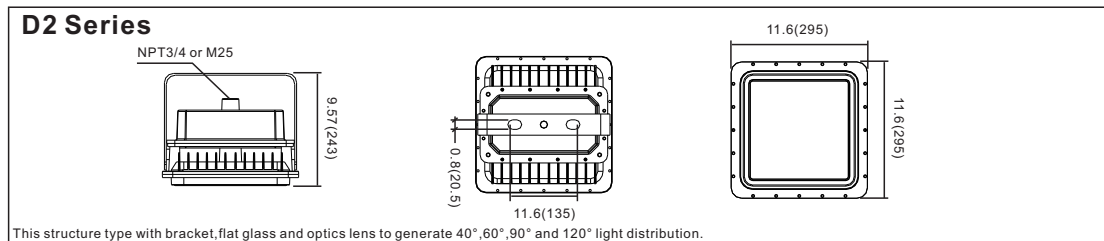
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Features

- Working Temperature: -40 °C ~ +55°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.

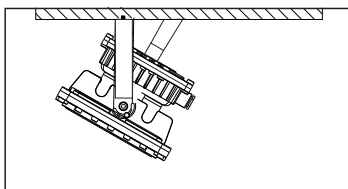


Dimension Unit: mm or inch

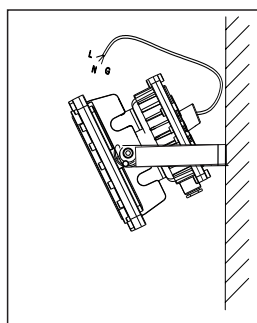


Mounting

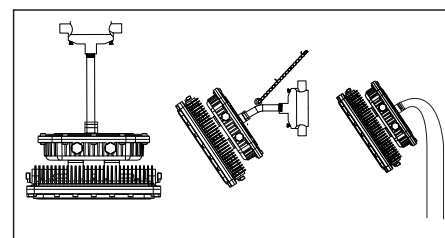
No. 1: Ceiling Mounting



No. 2: Wall Mounting



No. 3: Pole Mounting



LED HAZARDOUS LOCATIONS LIGHT - MS Series D



D



D2

Accessories

Junction Box



Bracket



Straight Pipe



Chain



Metal Conduit



Bended Pipe

