EXPLOSION PROOF LIGHT D SERIES

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
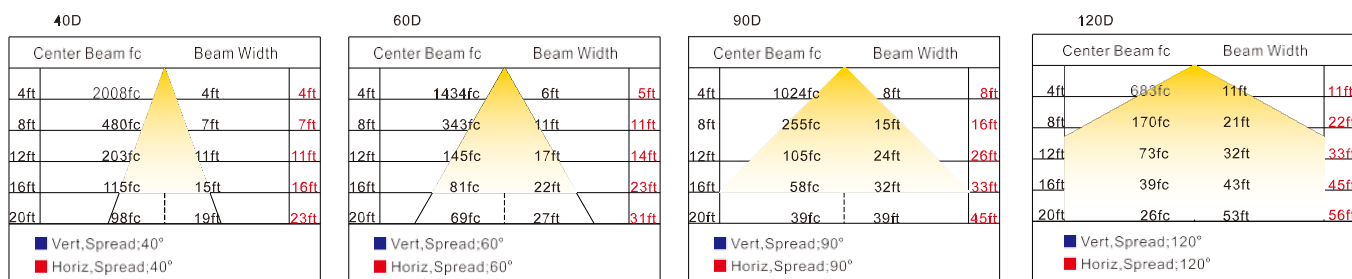• Mounting Bracket: stainless steel

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		AC100-277V (by driver or by IC) Or AC200-480V Or DC12-48V	14000			
EX-150W DYZDA	150W			21000			
EX-200W DYZDA	200W			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 weigth(KG)
D	1	502×376×350	17.9	19.5
D2	1	400×385×335	7	9.5

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°

ALINA LIGHTING SOLUTIONS

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 entr y points.
• Replaceable LED board and drivers.
• Integrated junction box for driver with emergency back up.
• Dimmable and batter y back up function available.
• Marine rating powder coated appearance treatment.
• Up to 5 years limited warranty option.
• Emergency Batter y back up to three hours.
• Various installation ways for different applications.
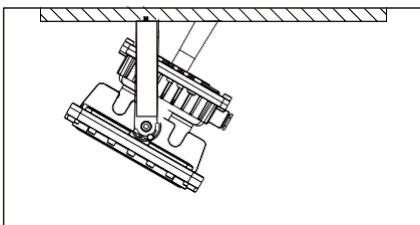• Glass lens or Glass with polycarbonate lens to make bigger beam angle.
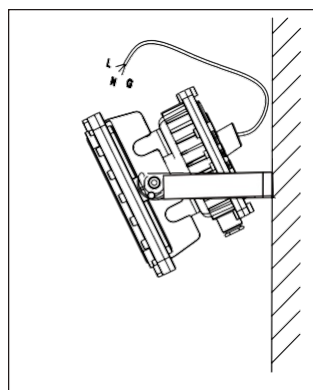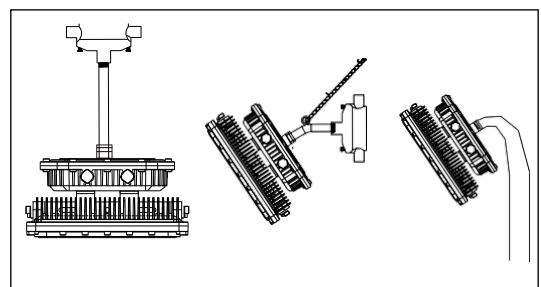

Dimension   Unit: mm or inch

D2 Series

NPT3/4 or M25

9.57(243)

0.8(20.5)

11.6(135)

11.6(295)

11.6(295)

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

D Series

15.7(400)

11.2(285)

9.96(253)

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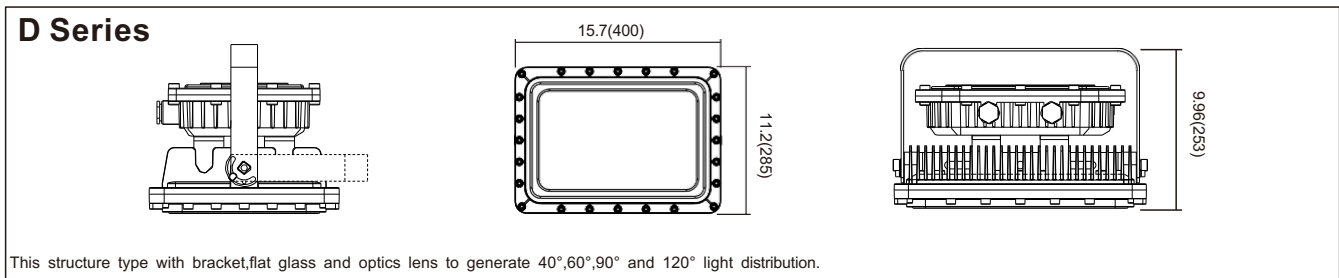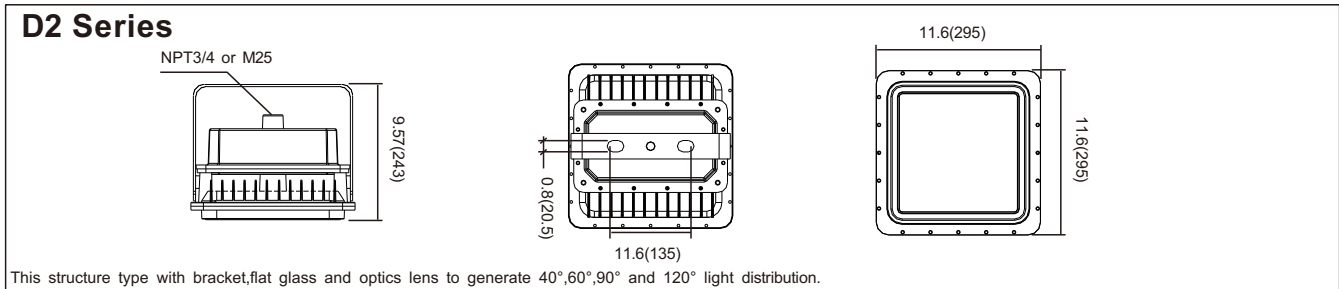
Mounting

No.1: Ceiling Mounting

No.2: Wall Mounting

L N G

No.3: Pole Mounting

ALINA LIGHTING SOLUTIONS

D

D2

Accessories

Junction Box	Bracket	Straight Pipe	90° Arm to Junction box
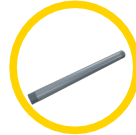
Chain	Metal Conduit	Bended Pipe	25° Arm to Junction box

ALINA LIGHTING SOLUTIONS