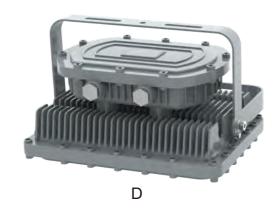
Durable Lighting Made for Industrial Safety



Hazardous Location LED Luminaire

D Series

















Product Description

The D Series LED luminaire is the ideal choice for marine and hazardous applications. They can be used in locations where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient can be expected.

Features

- 0-10V dimming
- High luminous efficacy Up to 140 lumens per watt
- Battery backup function available
- Compact and robust structure, excellent reliability
- Various installation ways for different applications
- Great impact resistance with IK08/IK10 certified
- Copper-free aluminum housing, great corrosion resistance and cooling performance

Compliance

UL 844 Hazardous Locations

Class I Division 1, Group C, D

Class I Division 2, Group A, B, C, D

Class II Division 1, Group E, F, G

Class II Division 2, Group F, G

Class III

Class I, Zone 1, Group IIB

Class II, Zone 21, Group IIIC

UL 1598 Wet Locations

UL 1598A Marine Outside Type

UL 924 Emergency Lighting

CSA C22.2#137:2018 Ed.2

CSA C22.2#250.0:2021 Ed.5

ETL (ATM for Report 105342415DAL-001/003)

CB (Ref. Certif. No.: DE 2-028898)

ABS

DLC*

IP66/IP67

IK08 (glass cover)

IK10 (with wire guard)

1000 hours salt spray

5G vibration

Application

- Power Plants
- Heavy Industrials Storage Facility
- Paper mills
- Wastewater Treatment Plants
- Loading Docks Platforms
- Offshore Environments
- Chemical Processing Facility
- Petrochemical Processing Facility
- Metallurgical Industry
- Coal Mine
- Food and Alcohol industry

Warranty

5-Year Standard Warranty

LED lumen Maintenance: L70> 150,000 Operation Hours@55°C







^{*} Not all product variations listed on this spec sheet are DLC qualified. Visit www.designlights.org/search to confirm qualification.

Technical Parameter

Electrical

Specification	EX-20W D2YZDA	EX-40W D2YZDA	EX-60W D2YZDA	EX-80W D2YZDA		
Rated Power	20W	40W	60W	80W		
Input Voltage	100-277/200-480VAC or 12-48VDC					
Input Frequency	50/60Hz	50/60Hz				
Power Factor	> 0.95	> 0.95				
Emergency Time*	3 hours					

^{*}Emergency function optional.

Optical

Specification	EX-20W D2YZDA	EX-40W D2YZDA	EX-60W D2YZDA	EX-80W D2YZDA		
Lumen Output	2720lm	5,600lm	8,400lm	11200lm		
Lumens Per Watt	136lm/W	140lm/W	140lm/W	140lm/W		
ССТ	2700K-7000K	2700K-7000K				
CRI	> 70	>70				
Beam Angle	40°/60°/90°/120°					
Dimming	0-10V dimming					

Environmental

Specification	EX-20W D2YZDA	EX-40W D2YZDA	EX-60W D2YZDA	EX-80W D2YZDA
Ambient Operating Temperature	T4: -40°C to 55°C (-40°l	F to 131°F)		

Mechanical

Specification	EX-20W D2YZDA	EX-40W D2YZDA	EX-60W D2YZDA	EX-80W D2YZDA		
Housing Material	Copper-free aluminum					
Diffuser	Tempered glass	Tempered glass				
Hardware	Stainless steel					
Protection	IP66/IP67/IK08 (glass cover)/IK10 (with wire guard)					
Mounting	Ceiling, Wall, Pole					
Cable Entry	Top: 3/4 NPT; Side: 3/4 NPT					

Technical Parameter

Electrical

Specification	EX-100W DYZDA	EX-150W DYZDA	EX-200W DYZDA	EX-220W DYZDA			
Rated Power	100W	150W	200W	220W			
Input Voltage	100-277/200-480VAC or 12-48VDC						
Input Frequency	50/60Hz	50/60Hz					
Power Factor	> 0.95	> 0.95					
Emergency Time*	3 hours						

^{*}Emergency function optional.

Optical

Specification	EX-100W DYZDA	EX-150W DYZDA	EX-200W DYZDA	EX-220W DYZDA		
Lumen Output	14000lm	21000lm	28000lm	28600lm		
Lumens Per Watt	140lm/W	140lm/W	140lm/W	130lm/W		
ССТ	2700K-7000K	2700K-7000K				
CRI	> 70	>70				
Beam Angle	40°/60°/90°/120°					
Dimming	0-10V dimming					

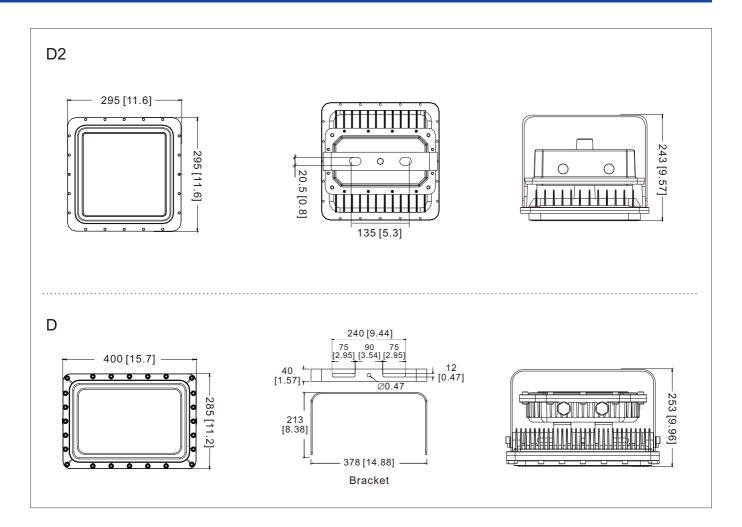
Environmental

Specification	EX-100W DYZDA	EX-150W DYZDA	EX-200W DYZDA	EX-220W DYZDA
Ambient Operating	T4: -40°C to 55°C	T4: -40°C to 55°C	T4: -40°C to 45°C	T4: -40°C to 45°C
Temperature	(-40°F to 131°F)	(-40°F to 131°F)	(-40°F to 113°F)	(-40°F to 113°F)

Mechanical

Specification	EX-100W DYZDA	EX-150W DYZDA	EX-200W DYZDA	EX-220W DYZDA	
Housing Material	Copper-free aluminum				
Diffuser	Tempered glass				
Hardware	Stainless steel				
Protection	IP66/IP67/IK08 (glass cover)/IK10 (with wire guard)				
Mounting	Ceiling				
Cable Entry	Side: 3/4 NPT				

Product Dimensions Unit: mm [inch]

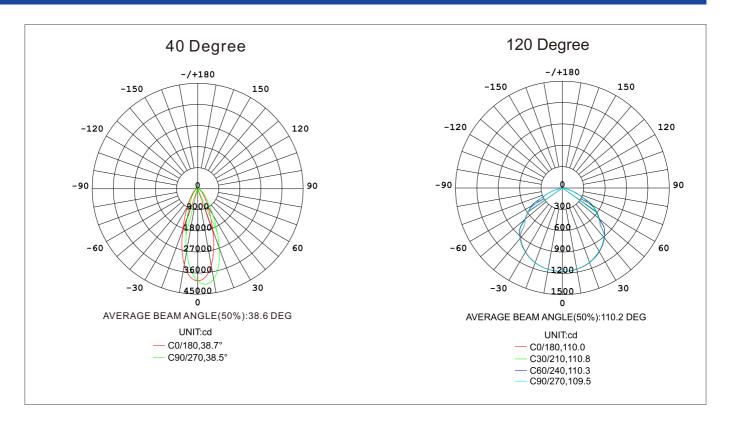


Packing Information

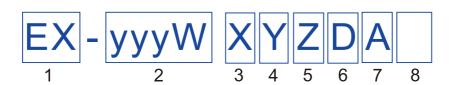
Model	Net Weight*	Gross Weight*	Quantity/Carton	Package Dimensions (LxWxH)
D2	7 kg/ 15.43 lb	9.5 kg/ 20.94 lb	1 pc	400x385x335mm/15.75x15.16x13.19inch
D	17.9 kg/ 39.46 lb	19.5 kg/ 42.99 lb	1 pc	502x376x350mm/19.76x14.80x13.78inch

^{*}Please note that net weight and gross weight may be subject to change because of actual configuration.

Photometric



Ordering Guide



1. Product Categories	2. Wattage	3. Shell Shape Series	4. Dimming or Not
Explosion Proof Light	D2: 20/40/60/80W D: 100/150/200/220W	"X" Can be: D D2	"Y" Can be: D: Dimmable N: Non-dimmable

5. Color Temperature	6. Beam Angle	7. Spherical glass cover optional	8.
"Z" can be 27 to 70 denotes 2700K to 7000K, and each 100K gradually increase, max 7000K	D40=40° D60=60° D90=90° D120=120°	"A" = C: spherical glass cover	blank: made in China

Mounting Methods and Accessories

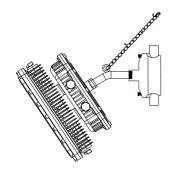






Mounting Methods and Accessories





Accessories



Junction Box EX-HD51-KB1

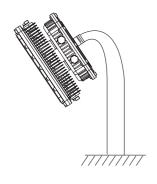


Pole Ex-Bended Pipe

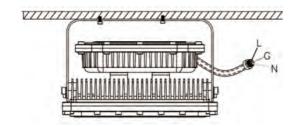


Pendant Chain Ex-Straight Chain

• Option 5: Pole Mounting (for D2)



• Ceiling Mounting (for D)



Accessory



Bracket