Durable Lighting Made for Industrial Safety



Hazardous Location LED Luminaire

Series (for North America)





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Product Description

The I Series LED luminaire is the ideal choice for marine and hazardous applications where a linear design is required. 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
- Emergency function optional
- 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)

ABS

DLC*

IP66/IP67

IK08 (glass cover)

IK10 (with wire guard)

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 I2YZD	EX-40W I2YZD	EX-60W I2YZD			
Rated Power	20W	40W	60W			
Input Voltage	100-277VAC/200-480VAC	100-277VAC/200-480VAC				
Input Frequency	50/60Hz	50/60Hz				
Power Factor	> 0.95	> 0.95				
Emergency Time*	1.5 hours					

^{*}Emergency function optional.

Optical

Specification	EX-20W I2YZD	EX-40W I2YZD	EX-60W I2YZD			
Lumen Output	2800lm	5600lm	8400lm			
Lumens Per Watt	140lm/W					
ССТ	2700K-7000K					
CRI	> 70	>70				
Beam Angle	120°					
Dimming	0-10V dimming					

Environmental

Specification	EX-20W I2YZD	EX-40W I2YZD	EX-60W I2YZD	
Ambient Temperature	-40°C to +60°C (-40°F to +140°F)			
Temperature Code	T4			

Mechanical

Specification	EX-20W I2YZD	EX-40W I2YZD	EX-60W I2YZD			
Housing Material	Copper-free aluminum	Copper-free aluminum				
Diffuser	Tempered glass	Tempered glass				
Hardware	Stainless steel	Stainless steel				
Protection	IP66/IP67/IK08 (glass cover)/IK10	IP66/IP67/IK08 (glass cover)/IK10 (with wire guard)/5G vibration				
Mounting	Ceiling, Pole, Wall, Chain, Pendan	Ceiling, Pole, Wall, Chain, Pendant				
Cable Entries	Top: 3/4 NPT(standard), 1/2 NPT Two sides: 3/4 NPT(standard), 1/2	NPT				

Technical Parameter

Electrical

Specification	EX-40W I4YZD	EX-60W I4YZD	EX-80W I4YZD	EX-100W I4YZD	EX-120W I4YZD		
Rated Power	40W	60W	80W	100W	120W		
Input Voltage	100-277VAC/200-480VAC						
Input Frequency	50/60Hz						
Power Factor	> 0.95						
Emergency Time*	1.5 hours						

^{*}Emergency function optional.

Optical

Specification	EX-40W I4YZD	EX-60W I4YZD	EX-80W I4YZD	EX-100W I4YZD	EX-120W I4YZD	
Lumen Output	5600lm	8400lm	11200lm	14000lm	16800lm	
Lumens Per Watt	140lm/W					
CCT	2700K-7000K					
CRI	>70					
Beam Angle	120°					
Dimming	0-10V dimming					

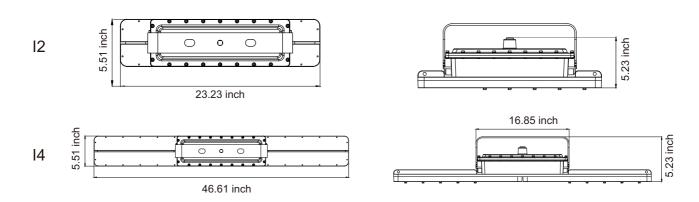
Environmental

Specification	EX-40W I4YZD	EX-60W I4YZD	EX-80W I4YZD	EX-100W I4YZD	EX-120W I4YZD
Ambient Operating Temperature	-40°C to +60°C (-40°F to +140°F)			-40°C to +40°C (-4	0°F to +104°F)
Temperature Code	Т4		T4		

Mechanical

Specification	EX-40W I4YZD	EX-60W I4YZD	EX-80W I4YZD	EX-100W I4YZD	EX-120W I4YZD		
Housing Material	Copper-free alum	Copper-free aluminum					
Diffuser	Tempered glass	Tempered glass					
Hardware	Stainless steel	Stainless steel					
Protection	IP66/IP67/IK08 (g	IP66/IP67/IK08 (glass cover)/IK10 (with wire guard)/5G vibration					
Mounting	Ceiling, Pole, Wall, Chain, Pendant						
Cable Entries	Top: 3/4 NPT(star Two sides: 3/4 NF	ndard), 1/2 NPT PT(standard), 1/2 NF	РТ				

Product Dimensions

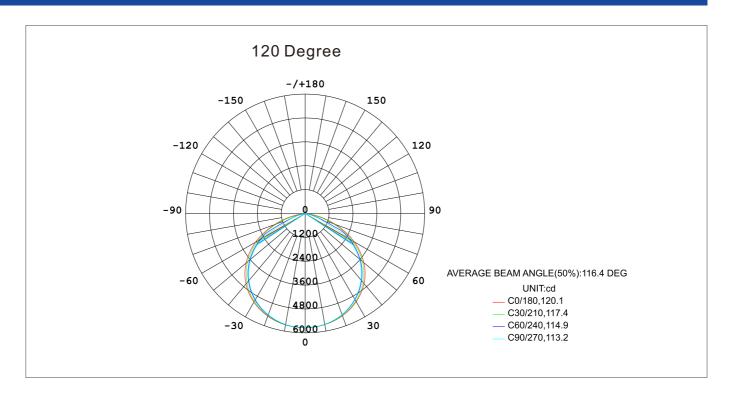


Packing Information

Model	Net Weight	Gross Weight*	Quantity/Carton	Package Dimensions (LxWxH)
I2 (Regular)	26.46 lb	28.66 lb	1 pc	30.31x13.39x10.43 inch
I4 (Regular)	40.79 lb	45.19 lb	1 pc	53.54x13.39x10.43 inch
I2 (Side Opening Cover Model)	33.07 lb	35.27 lb	1 pc	30.31x13.39x10.43 inch
I4 (Side Opening Cover Model)	49.38 lb	53.79 lb	1 pc	53.54x13.39x10.43 inch

^{*} These values are estimated weights.

Photometric



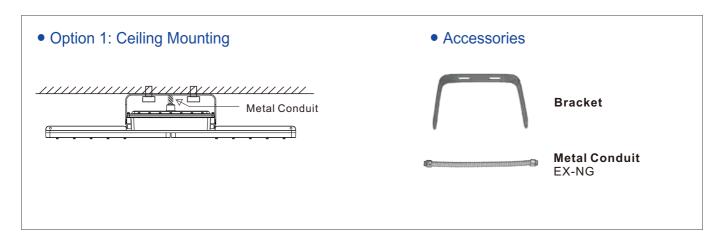
Ordering Guide



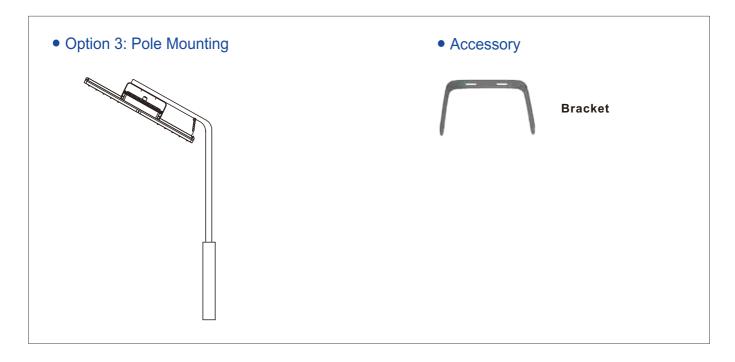
1. Product Categories	2. Wattage	3. Shell Shape Series	4. Dimming or Not
Explosion Proof Light	I2: 20/40/60W I4: 40/60/80/100/120W	"X" Can be: I2 (2=2FT) I4 (4=4FT)	"Y" Can be: D: dimmable N: non-dimmable

5. Color Temperature	6. Beam Angle	7.
"Z" can be 27 to 70 denotes 2700K to 7000K, and each 100K gradually increase, max 7000K	"D" can be: D120: 120°	blank: made in China

Mounting Methods and Accessories







Mounting Methods and Accessories

