

EX-I

Hazardous Location LED Luminaire

The EX-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.

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
ETL (ATM for Report #
105342415DAL-001/003)
ABS
DLC*
IP66
IK08 (glass cover)
IK10 (with wire guard)

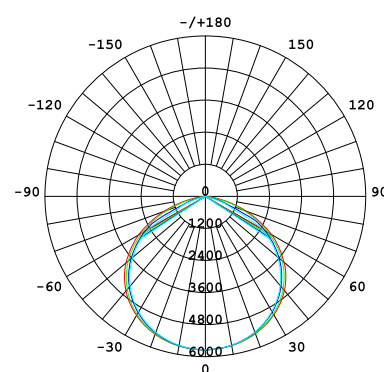
*Not all product variations listed on this spec sheet are DLC qualified.

Applications

- ✓ Heavy Industrials Storage Facility
- ✓ Paper Mills
- ✓ Chemical Processing Facility
- ✓ Power Plants
- ✓ Petrochemical Processing Facility
- ✓ Offshore Environments
- ✓ Wastewater Treatment Plants
- ✓ Food and Alcohol Industry



Photometry



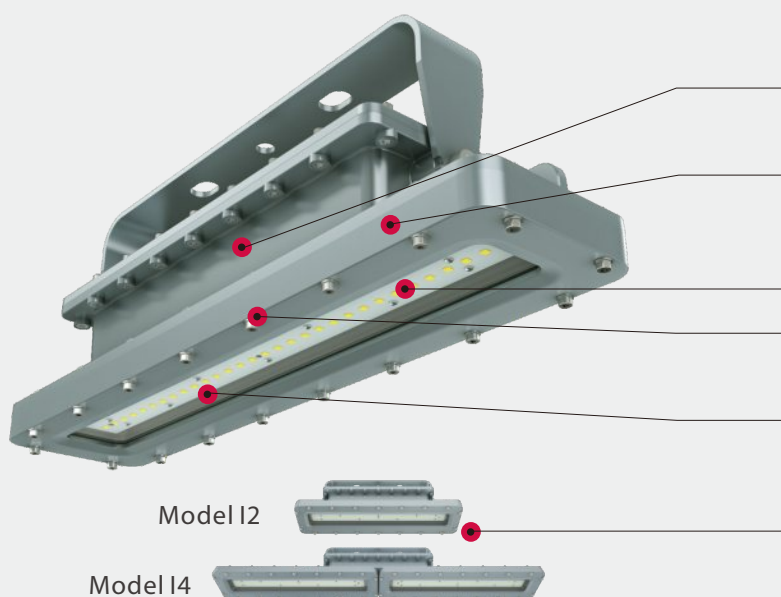
AVERAGE BEAM ANGLE(50%):116.4 DEG

UNIT:cd

- C0/180,120.1
- C30/210,117.4
- C60/240,114.9
- C90/270,113.2



Built tough.



Power supply chamber - Designed to perform in high ambient temperatures up to +40°C and as low as -40°C

Housing - Copper-free aluminum housing for excellent corrosion resistance and heat transfer properties, ensuring maximum longevity

Superior SMT LED, efficacy up to 140 lumens per watt

Hardware - All fasteners with high-quality stainless steel for anti-corrosion

Diffuser - Clear tempered glass for maximum resistance to impact and thermal shock, high visual comfort and uniform lighting distribution

Available in two lengths: 2 feet, 4 feet



LED Explosion Proof Light EX-I Series (for North America)

Technical Parameter

• Electrical

Model	I2	I4
Rated Power	20W/40W/60W	40W/60W/80W/100W/120W
Input Voltage	100-277VAC/200-480VAC	
Frequency	50/60Hz	
Power Factor	> 0.95	
Emergency	Optional	
Emergency Time	1.5 hours	

• Optical

Model	I2	I4
Lumen Output	2800-8400Lm	5600-16800Lm
Efficacy	140Lm/W	
CCT	2700K-7000K	
CRI	> 70	
Beam Angle	120°	
Dimming	0-10V dimming optional	
Lifespan	LED lumen maintenance: L70> 150,000 operation hours@55°C	

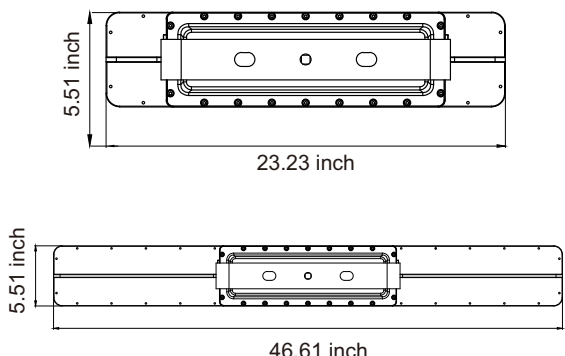
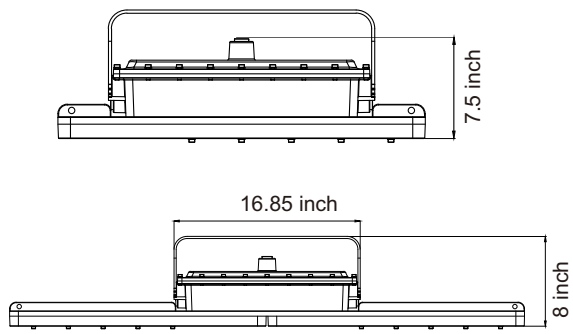
• Environmental

Model	I2	I4	
Wattage	20W/40W/60W	40W/60W/80W	100W/120W
Ambient Temperature	-40°C to +60°C (-40°F to +140°F)	-40°C to +60°C (-40°F to +140°F)	-40°C to +40°C (-40°F to +104°F)
Temperature Code	T4	T4	T4

• Mechanical

Model	I2	I4	
Housing	Copper-free aluminum		
Diffuser	Tempered glass		
Hardware	Stainless steel		
Protection	IP66/IK08 (glass cover)/IK10 (with wire guard)		
Mounting	Ceiling, Pole, Wall, Chain, Pendant		
Cable Entries	Top: 3/4" NPT (standard), 1/2" NPT Both sides: 3/4" NPT (standard), 1/2" NPT		
Warranty	5 years		

Product Dimensions

Model: I2	Model: I4
	

Packing Information

Model	Net Weight	Gross Weight	Quantity / Carton	Package Dimension (LxWxH)
I2	26.46 lb	28.66 lb	1 piece	30.31x13.39x10.43 inch
I4	40.79 lb	47.40 lb	1 piece	53.94x14.17x11.42 inch

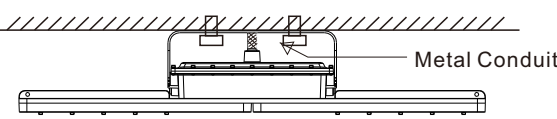

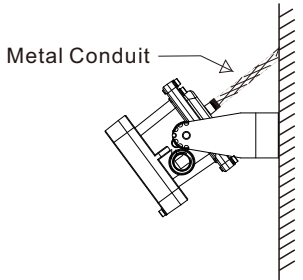

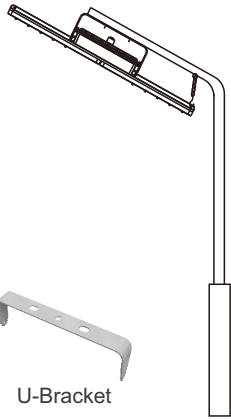
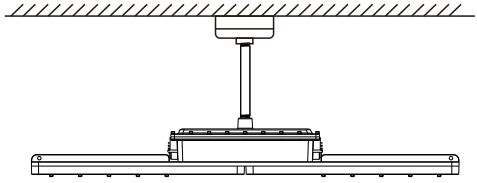
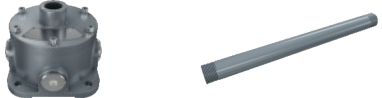
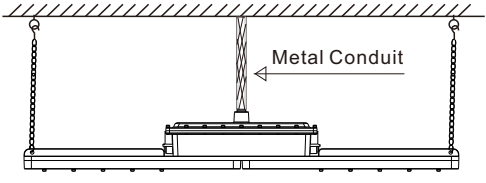

Ordering Guide

EX - **yyyW** **X** **Y** **Z** **D** **-1**

1 2 3 4 5 6 7

1. Product Category	2. Wattage	3. Shell Shape Series	4. Dimming or Not	5. Color Temperature	6. Beam Angle	7. Optional
Ex: Explosion Proof Light	for I2: 20W/40W/60W for I4: 40W/60W/80W/ 100W/120W	I2 (2FT) I4 (4FT)	D: dimmable N: non-dimmable	Z can be 27 to 70 denotes 2700K to 7000K, and each 100K gradually increase, max 7000K	D120: 120°	"-1" NA (optional)
Example: EX-40W I2D50D120-1						
EX	40W	I2	D	50	D120	-1
Explosion Proof Light	Wattage: 40W	Shell shape series: I2	Non-dimmable	CCT 5000K	Beam angle 120°	Optional

Mounting Methods and Accessories

Ceiling Mount	Wall Mount	Pole Mount
 <p>Metal Conduit</p>  <p>U-Bracket Metal Conduit EX-NG</p>	 <p>Metal Conduit</p>  <p>U-Bracket Metal Conduit EX-NG</p>	 <p>U-Bracket</p>
Pendant Mount	Chain Mount	
  <p>Junction Box EX-HD51-KB1 Pole Ex-Straight Pipe</p>	 <p>Metal Conduit</p>  <p>Pendant Chain Ex-Straight Chain Metal Conduit EX-NG</p>	