LIGHTING WHOLESALE INC.



# 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)

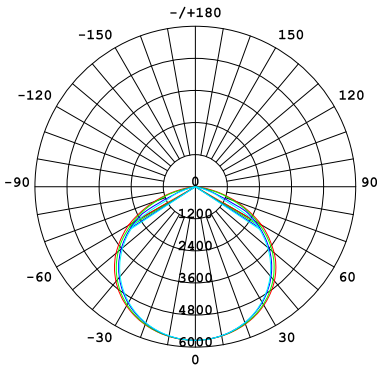
** Not all product variations listed on this spec sheet are DLC qualified. Visit www.designlights.org/search to confirm qualification.*

## Applications

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



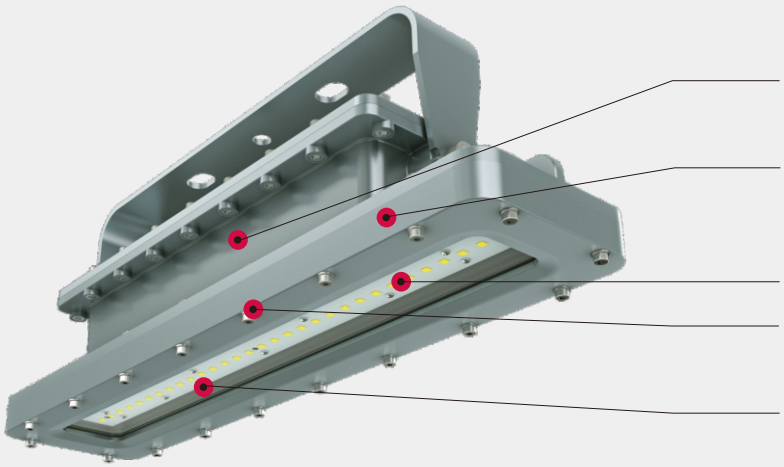
## Photometry




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



Model I2

Model I4

## 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

IP66 IK10 DIMMABLE 5 years warranty 140 lm/W

# 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 | |

- 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 |

- Optical

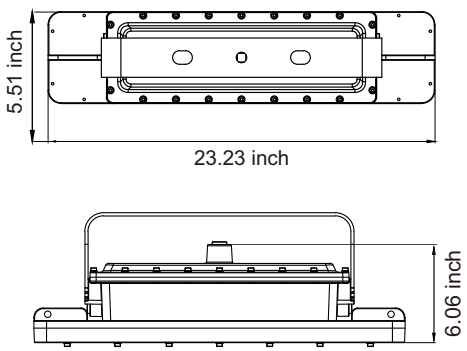
| Model | I2 | I4 |
|---|---|---|
| Lumen Output | 2800-8400Lm | 5600-16800Lm |
| Efficacy | 140Lm/W | |
| CCT | 2700K-7000K | |
| CRI | > 70 | |
| Beam Angle | 120° | |
| Dimming | 0-10V dimming optional | |
| Lifespan | LED lumen maintenance: L70> 150,000 operation hours@55°C | |

- Mechanical

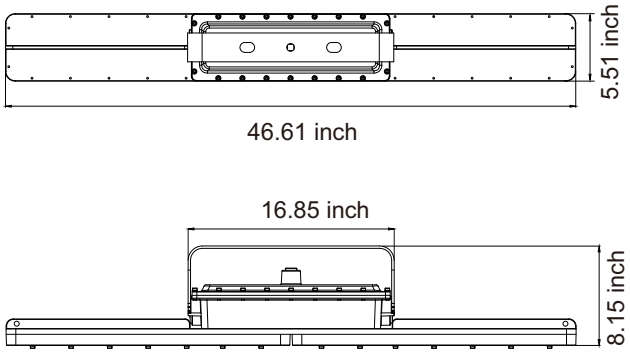
| Model | I2 | I4 |
|---|---|---|
| Housing | Copper-free aluminum | |
| Diffuser | Tempered glass | |
| Hardware | Stainless steel | |
| Protection | IP66/IK08 (glass cover)/IK10 (with wire guard) | |
| Mounting | Ceiling, Pole, Wall, Chain, Pendant | |
| Cable Entries | Top: 3/4" NPT (standard), 1/2"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

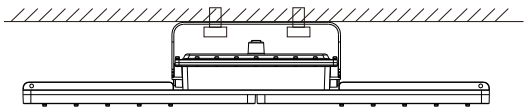
## Ordering Guide

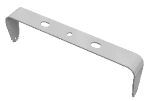
| EX | - | yyyW | X | Y | Z | D | -1 |
|---|---|---|---|---|---|---|---|
| 1 | | 2 | 3 | 4 | 5 | 6 | 7 |

| 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<br>for I4: 40W/60W/80W/100W/120W | I2 (2FT)<br>I4 (4FT) | D: dimmable<br>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

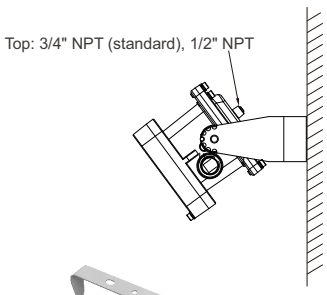
### Ceiling Mount

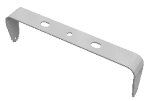




U-Bracket

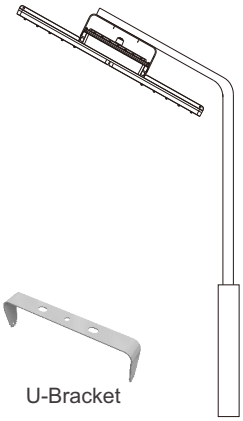
### Wall Mount



U-Bracket

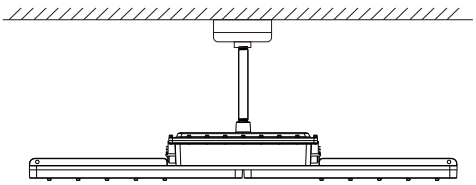
### Pole Mount





U-Bracket

### Pendant Mount



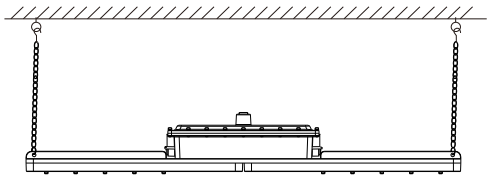


Junction Box
EX-HD51-KB1



Pole
Ex-Straight Pipe

### Chain Mount





Pendant Chain
Ex-Straight Chain