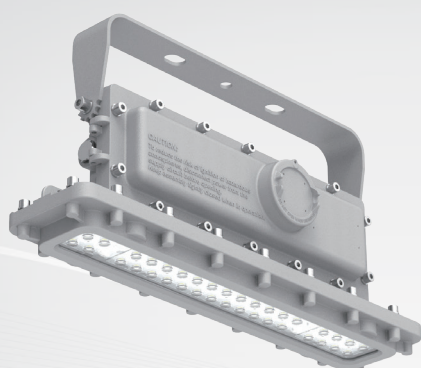
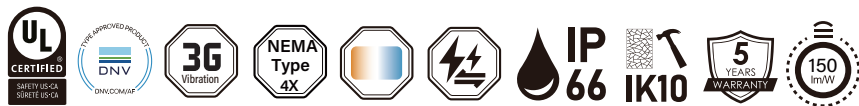
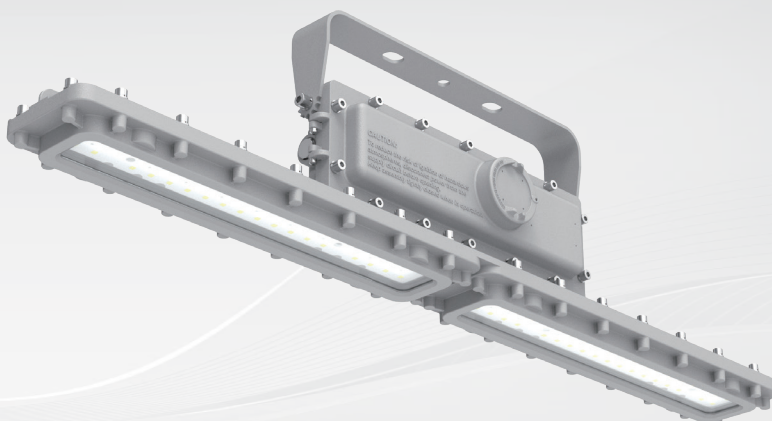


HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet



I2



I4

EX- I Spec Sheet

The EX-I Series LED luminaire is the ideal choice for marine and hazardous applications where a linear design is required. Featuring the design of structure, the power box can be opened from the side by opening the M75 circular cover, without the need to loosen multiple screws, easy and convenient for installation and maintenance.

Compliance

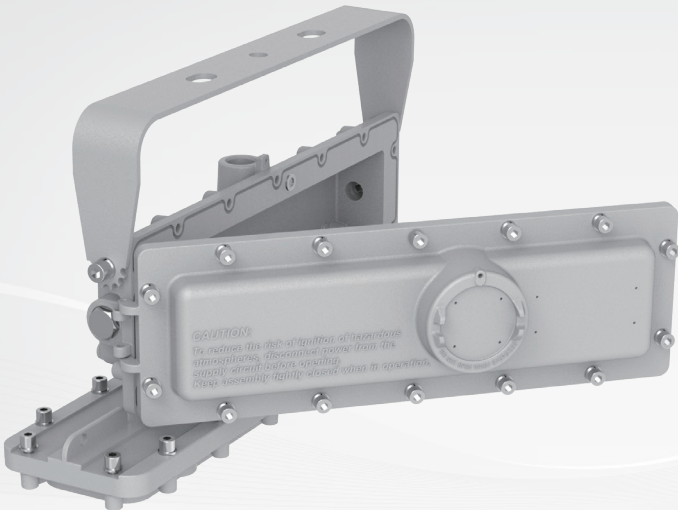
- UL 844 Hazardous Locations
 - Class I Division 1, Groups C and D
 - Class I Division 2, Groups A, B, C and D
 - Class II Division 1, Group E, F and G
 - Class II Division 2, Group F and G
 - Class III
- UL 1598 Wet Locations
- UL 1598A Marine Type
- DNV
- Vibration 3G
- NEMA Type 4X
- IP66
- IK08

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
- Food and Alcohol industry

HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

Benefits & Features



- Stainless-steel hardware, great anti-corrosion
- Copper-free aluminum housing, excellent corrosion resistance and cooling performance
- High-quality SMD LED, efficacy up to 150 lumens per watt
- Available in two lengths: 2 feet, 4 feet
- Power box can be opened from the side by opening the M75 circular cover, convenient for installation and maintenance, significantly saving manpower and installation time
- UV-stable and impact resistant clear diffused tempered glass lens to minimize glare

Key Features and Information

• **Electrical**

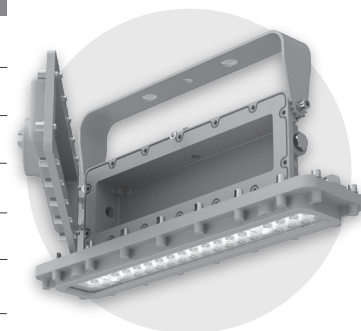
Model	EX-xxxW I2	EX-xxxW I4
Selectable Power	30W/50W/60W	60W/80W/100W
Power Model	I2: SS-75VA-56BHL for 120-277VAC; VA-65V-054B for 277-480VAC I4: SS-100VA-56BHL for 120-277VAC; VA-100V-054B for 277-480VAC	
Input Voltage	120-277VAC or 277-480VAC	
Input Frequency	50/60Hz	
Power Factor	> 0.95	
Optional Emergency Function	Min. 90 mins (Contact sales for EM options)	
Service Life	Up to 50,000 hours	
Salt Spray	500Hours	
Dimming	Driver includes dimming control wiring for 1-10V dimming systems Requires separate 1-10V DC dimming circuit	



HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

• Optical

Model	EX-xxxW I2	EX-xxxW I4
Selectable Power	30W/50W/60W	60W/80W/100W
Lumens Per Watt	150lm/W	150lm/W
Lumen Output	4500-9000lm	9000-15000lm
Selectable CCT	4000K/5000K/6500K	
CRI	>70	
Beam Angle	120°	
Dimming	0-10V dimming optional	
Lifespan	LED lumen maintenance: L70>150,000 operation hours@55 °C	



(Note: Refer to the table of testing data on page 4.)

• Mechanical

Model	EX-xxxW I2/I4
Housing Material	Copper-free aluminum
Diffuser Material	Flat Tempered Glass
Hardware	Stainless steel 304
Gasket Material	Silicone Rubber
Protection Rating	Ingress protection: IP66 Impact protection: IK08
Mounting Options	Ceiling Mount (Purchase separately) ; Pendant Mount (Purchase separately) ; Pole Mount (Purchase separately) ; Wall Mount (Included)
Cable Entries	Top: 3/4" NPT(standard) ;2x M20 holes on the side(standard)
Warranty	5-year limited warranty for fixture ; 3-year limited warranty for battery backup

• Ambient Temperature

Model	Input Voltage	Power Model	Temperature Class
I2	120-277VAC	SS-75VA-56BHL	T5:-40°C to +60°C (CIDII)
	277-480VAC	VA-65V-054B	
I4	120-277VAC	SS-100VA-56BHL	T5:-40°C to +60°C (CIDII)
	277-480VAC	VA-100V-054B	T6:-40°C to +55°C (CIDII)

HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

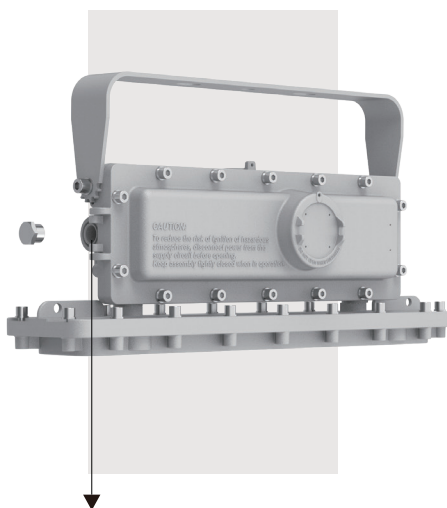
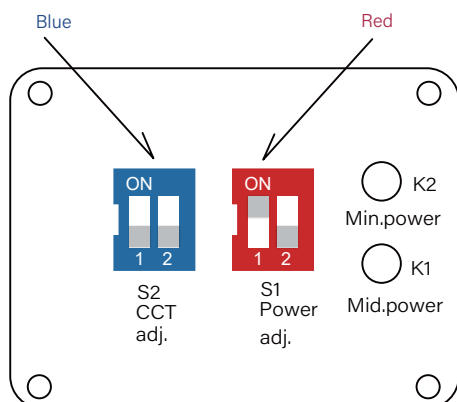
• **Electrical specification (actual measurement)**

Model	EX-60WI2D50D120V75T								
Test Power	60W			50W			30W		
Test CCT (K)	6500	5000	4000	6500	5000	4000	6500	5000	4000
Lumens Per Watt (lm/W)	140.29	145.59	142.23	140.9	145.52	142.95	140.16	143.04	142.24
Lumen Output (lm)	8492.7	8615	8586.2	7099.5	7197.3	7211	4425.9	4449.2	4491.1
Beam Angle	101.3	101.4	101.4	101.3	101.4	101.5	101.3	101.5	101.5
CCT (K)	6246	4969	4085	6236	4969	4085	6216	4962	4082
CRI	72.9	73.5	72.9	72.9	73.5	72.9	73	73.6	73
Power Factor	0.9947	0.9945	0.9927	0.9927	0.9925	0.9927	0.9843	0.984	0.9842
Test Voltage	120VAC								
Test Power Model	SS-75VA-56BHL								

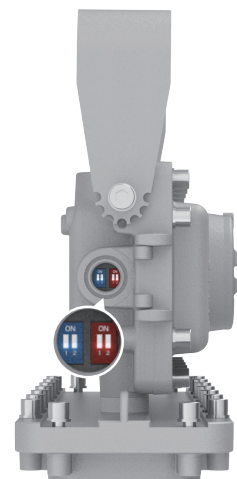
Model	EX-100WI4D50D120V10T								
Test Power	100W			80W			60W		
Test CCT (K)	6500	5000	4000	6500	5000	4000	6500	5000	4000
Lumens Per Watt (lm/W)	147.64	151.81	150.47	149.3	145.82	151.97	150.79	154.21	153.49
Lumen Output (lm)	14867	15097	15060	12014	11522	12221	9067.1	9127.1	9219.7
Beam Angle	103.5	103.3	103	103.4	101.4	103	103.3	103.1	102.9
CCT (K)	6432	5067	4186	6422	5062	4183	6403	5057	4181
CRI	73.1	73.6	73.2	73.1	73.6	73.2	73.2	73.6	73.3
Power Factor	0.9977	0.9976	0.9978	0.9965	0.9964	0.9965	0.9941	0.9939	0.9941
Test Voltage	120VAC								
Test Power Model	SS-100VA-56BHL								

HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

Power and CCT Selectable



Power and CCT Selectable



DIP switch

Operating Instructions

• S1 DIP switch - Red (S1 Power adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three selectable output ratings. Factory default settings and power levels can be customized based on project requirements.

1. Maximum Output (100% nominal power)
Switch configuration: Dial 1 = OFF, Dial 2 = OFF;



I2: 60W

2. Medium Output (70%-90% of nominal power, depending on specification) Switch configuration: Dial 1 = ON, Dial 2 = OFF



I2: 50W

3. Minimum Output (50%-70% of nominal power, depending on specification) Switch configuration: Dial 1 = OFF, Dial 2 = ON



I2: 30W

• S2 DIP switch - Blue (S2 CCT adj.)

The luminaire incorporates a dual-dial power configuration switch enabling three preset color temperature options. The factory default setting can be customized according to order requirements.

1. Cool white, e.g. 6500K
Switch configuration: Dial 1 = OFF, Dial 2 = OFF



6500K

2. Neutral white, e.g. 5000K
Switch configuration: Dial 1 = ON, Dial 2 = OFF



5000K

3. Warm white, e.g. 4000K
Switch configuration: Dial 1 = ON, Dial 2 = ON

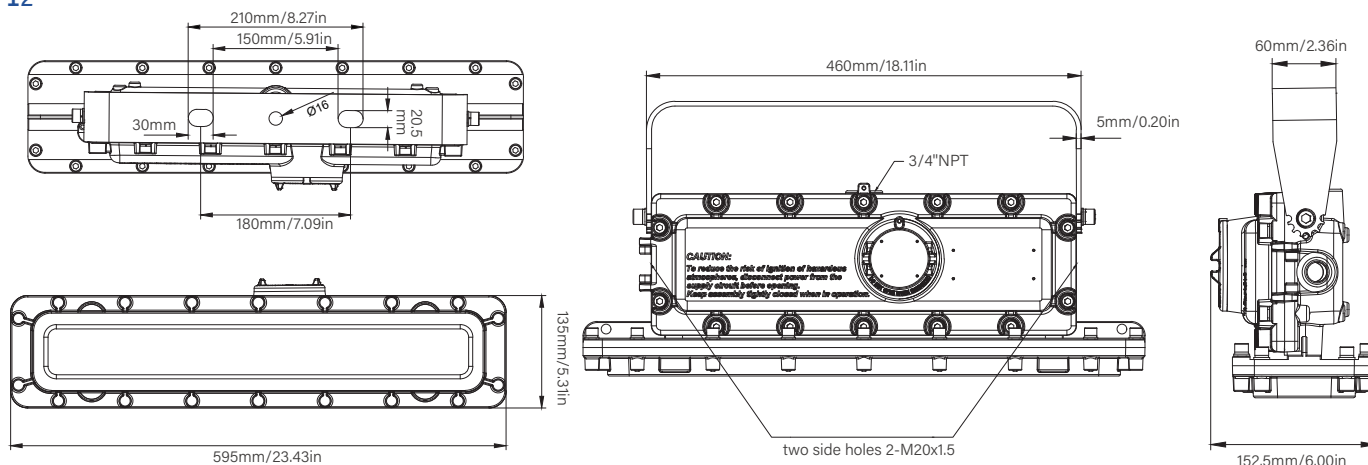


4000K

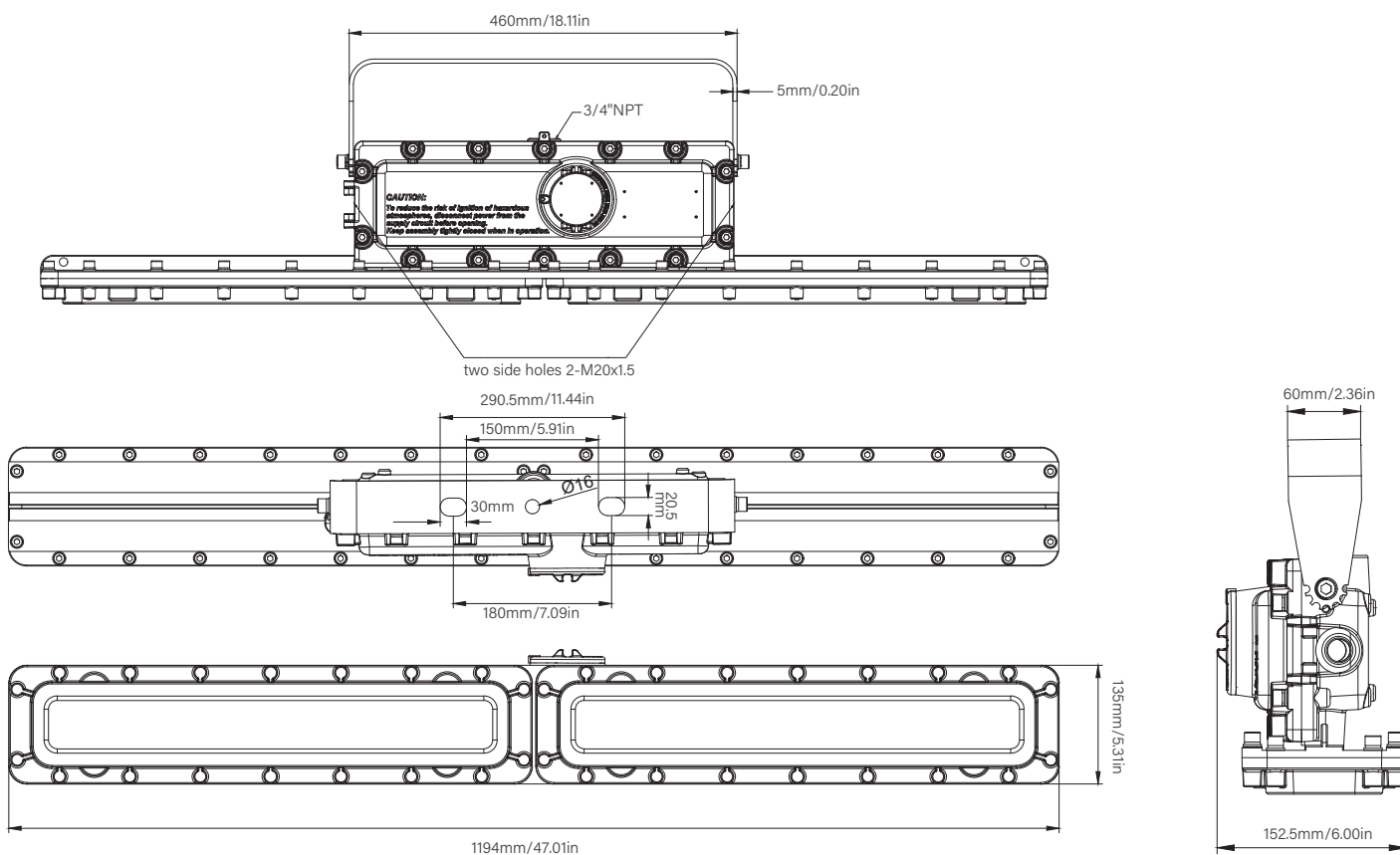
HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

Product Dimensions Unit: mm[inch]

• I2



• I4



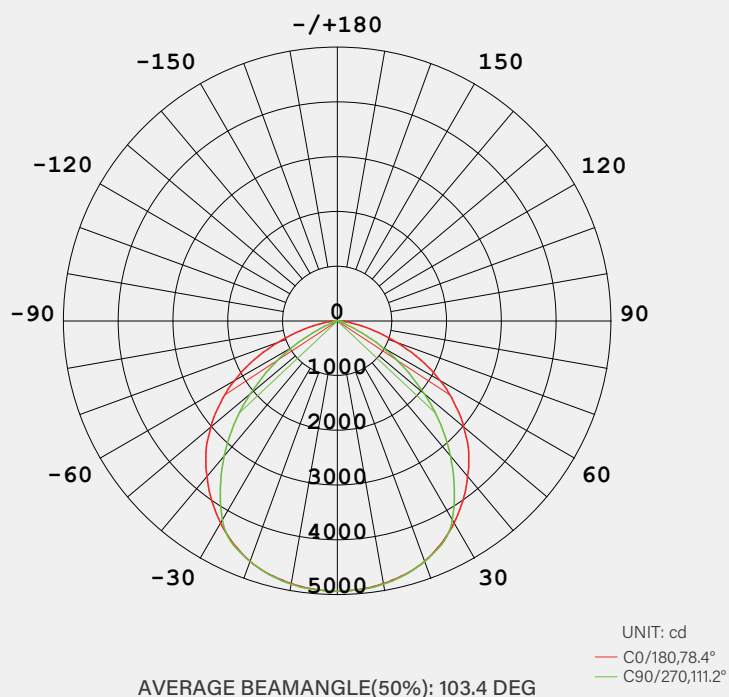
HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

Packing Information

Model	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
I2	675x255x382mm/26.57×10.04×15.04inch	12.5kg/27.56 lb	13.7 kg/ 30.20 lb	1 pc
I4	1269x255x382mm/49.96×10.04×15.04inch	18.2kg/40.12 lb	19.6 kg/43.21 lb	1 pc

Photometric

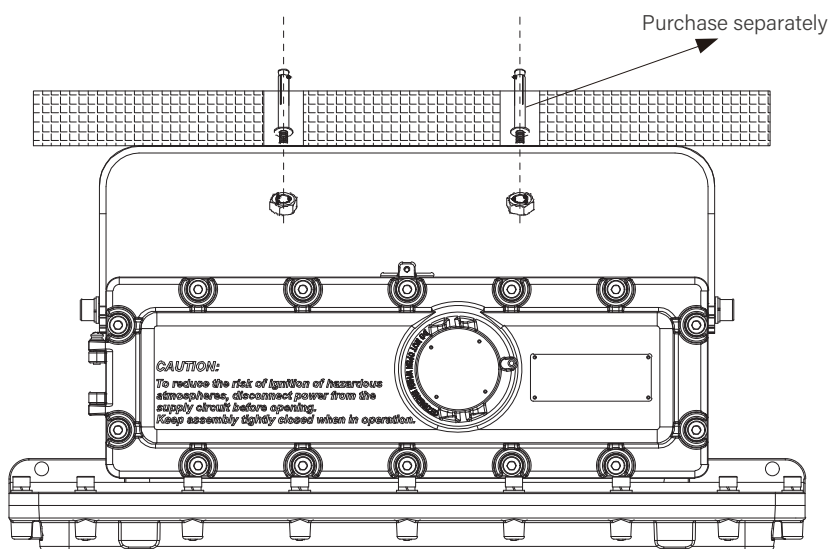
- 120 Degree



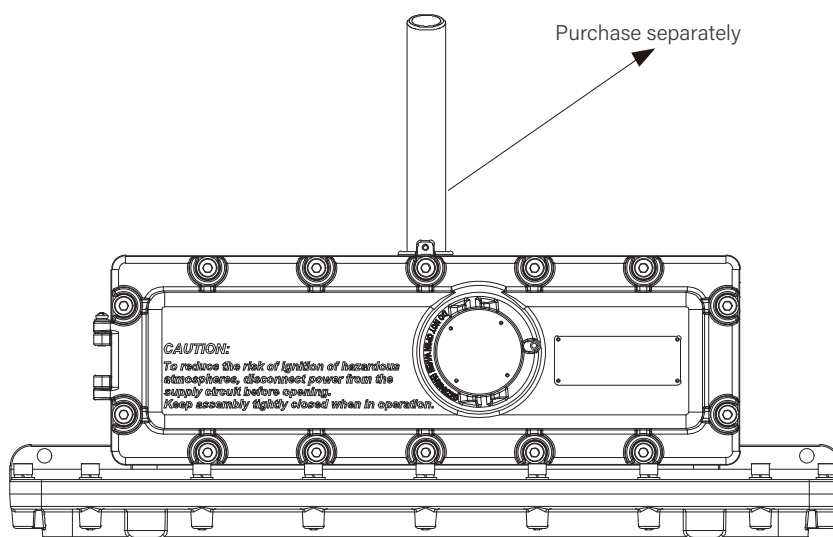
HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

Mounting Methods

- Option 1: Ceiling Mounting

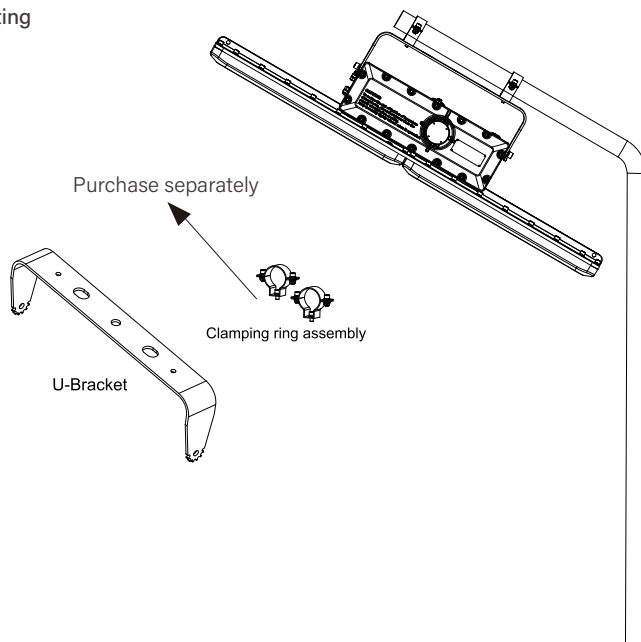


- Option 2: Pendant Mounting

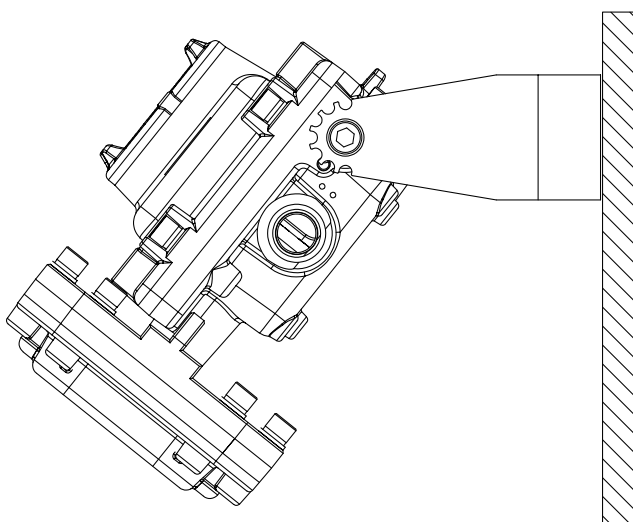


HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

- Option 3: Pole Mounting

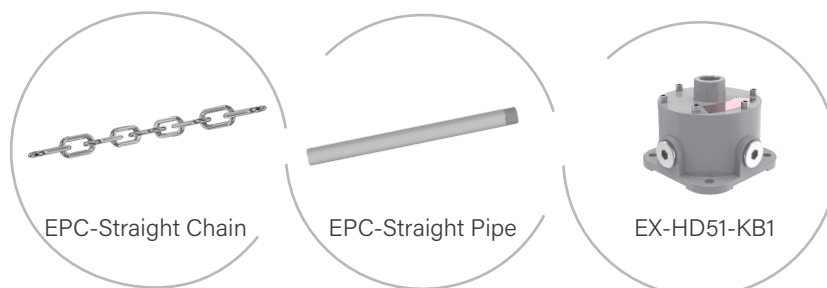


- Option 4: Wall Mounting



HAZARDOUS LOCATION LED LUMINAIRE EX-I Spec Sheet

Accessories



Ordering Guide

