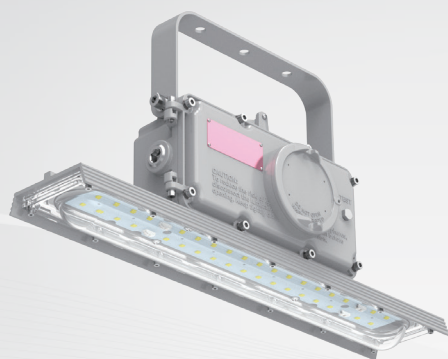
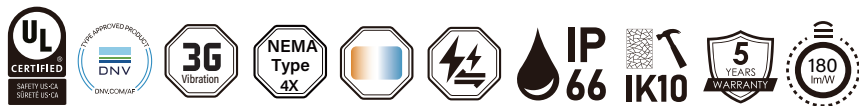
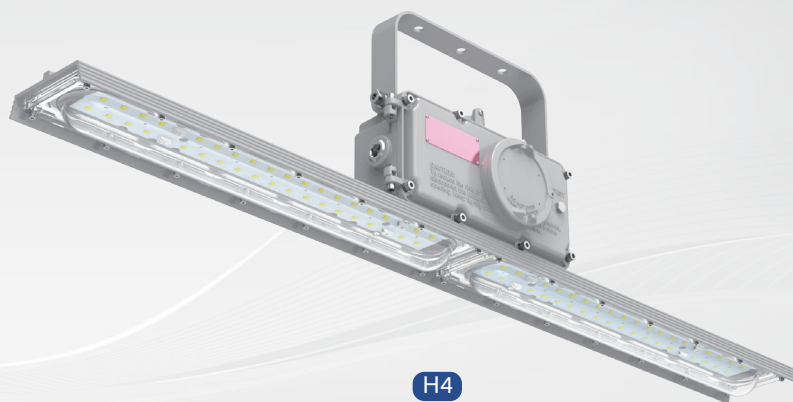


HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet



H2



H4

EX-H Spec Sheet

The H 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

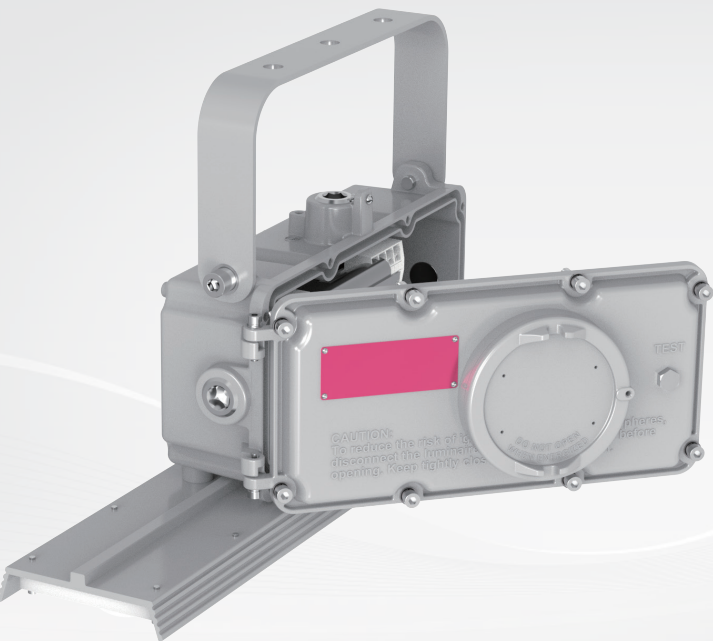
- UL 844 Hazardous Locations Class I Division 2, Group A, B, C and D Class II Division 1, Group E, F and G Class II Division 2, Group F and G Class III
- UL 1598 Wet Locations
- UL 1598A Marine Outside Type
- UL 924 Emergency Lighting
- DNV
- ABS
- Vibration 3G
- NEMA Type 4X
- IP66
- IK10
- IP66
- IK10

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

HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

Benefits & Features

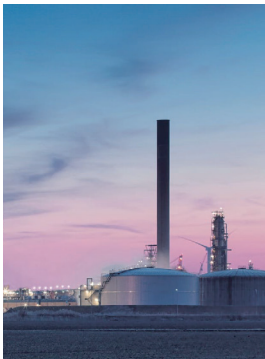


- 1-10V dimming
- Various installation ways for different applications
- Compact and robust structure, excellent reliability
- Copper-free aluminum housing, great corrosion resistance and cooling performance
- With the front cover openable from the side, it is easy to assemble and disassemble, and convenient for maintenance
- Great impact resistance with IK08/IK10 certified
- Separate power chamber and light source chamber for superior thermal management

Key Features and Information

• Electrical

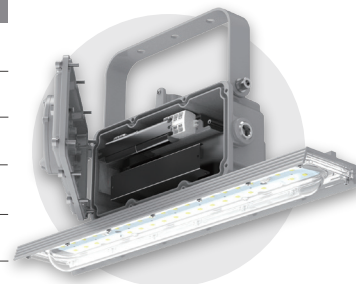
Model	EX-xxxW H2	EX-xxxW H4
Selectable Power	30W/40W/60W	40W/60W/80W
Power Model	H2: SS-75VA-56BHL for 120-277VAC; VA-65V-054B for 277-480VAC; H4: SS-100VA-56BHL for 120-277VAC; VA-100V-054B for 277-480VAC;	
Input Voltage	120-277VAC or 277-480VAC	
Input Frequency	50/60Hz	
Power Factor @120V	> 0.95	
Service 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-H Spec Sheet

• Optical

Model	EX-xxxW H2	EX-xxxW H4
Selectable Power	30W/40W/60W	40W/60W/80W
Lumens Per Watt	160lm/W	180lm/W
Lumen Output	4800-9600lm	7200-14400lm
Selectable CCT	4000K/5000K/6500K	
CRI	> 70	
Beam Angle	120°	
LED	Long-life, high-efficacy, discrete, surface-mount 2835 LEDs 100,000-Hour LED lifespan based on IES LM-80 results and TM-21	



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

• Mechanical

Model	EX-xxxW H2/H4
Housing Material	Copper-free aluminum
Diffuser Material	Clear
Gasket Material	Silicone Rubber
Hardware	Stainless steel 304
Protection Rating	Ingress protection: IP66 Impact protection: IK10
Mounting Options	Ceiling Mount (Included); Wall Mount (Included); Pole Mount (Purchase separately) Pendant Mount (Purchase separately); Stanchion Mount 25°/90° (Purchase separately)
Cable Entries	2*3/4"NPT (on the side); 1*3/4"NPT (on the top)
Warranty	5-year limited warranty for fixture; 3-year limited warranty for battery backup

• Ambient Temperature

Model	Input Voltage	Power Model	Temperature Class
H2	120-277VAC	SS-75VA-56BHL	T5:-40°C to 65°C (CIDII)
	277-480VAC	VA-65V-054B	
H4	120-277VAC	SS-100VA-56BHL	T5:-40°C to 65°C (CIDII)
	277-480VAC	VA-100V-054B	

HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

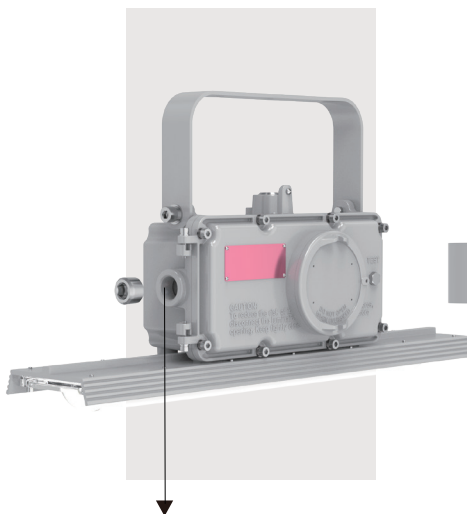
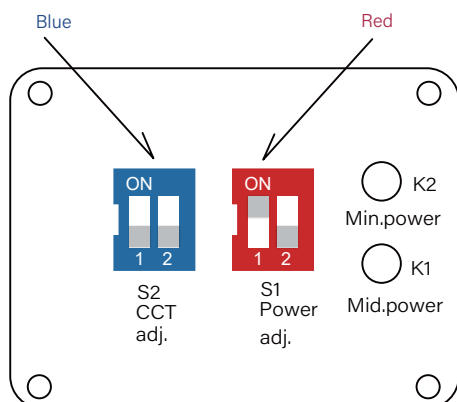
• Electrical specification (actual measurement)

Model	EX-60WH2D50D120CCPV75T								
Test Power	60W			40W			30W		
Test CCT (K)	6500	5000	4000	6500	5000	4000	6500	5000	4000
Lumens Per Watt(lm/W)	167.83	174.26	170.54	168.57	173.29	171.38	167.18	170.69	170.26
Lumen Output (lm)	10022	10170	10159	6994.3	7070	7111	5122.1	5152.3	5213.6
Beam Angle	114.1	114	113.6	114.2	114	113.7	114.2	114	113.7
CCT (K)	6513	5101	4149	6484	5094	4146	6473	5091	4143
CRI	74.6	74.9	74.3	74.6	74.9	74.3	74.7	75	74.4
Power Factor	0.9946	0.9944	0.9947	0.99	0.9895	0.9898	0.9834	0.983	0.9834
Test Voltage	120VAC								
Test Power Model	SS-75VA-56BHL								

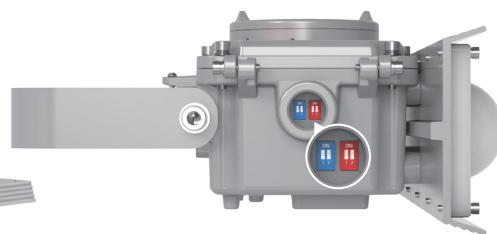
Model	EX-80WH4D50D120CCPV10T								
Test Power	80W			60W			40W		
Test CCT (K)	6500	5000	4000	6500	5000	4000	6500	5000	4000
Lumens Per Watt (lm/W)	179.95	184.41	181.47	181.71	185.27	182.91	181.33	183.04	182.98
Lumen Output (lm)	14481	14543	14549	11044	11097	11150	7425.7	7390.9	7479.1
Beam Angle	115.2	114.9	114.6	115.2	114.8	114.5	115.2	114.8	114.5
CCT (K)	6484	5084	4149	6476	5084	4146	6459	5077	4143
CRI	74.5	75.1	74.6	74.6	75.1	74.8	74.7	75.1	74.7
Power Factor	0.9964	0.9963	0.9964	0.9941	0.9938	0.9941	0.9881	0.9878	0.9882
Test Voltage	120VAC								
Test Power Model	SS-100VA-56BHL								

HAZARDOUS LOCATION LED LUMINAIRE EX-H 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;



H2:60W

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



H2:40W

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



H2:30W

• 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

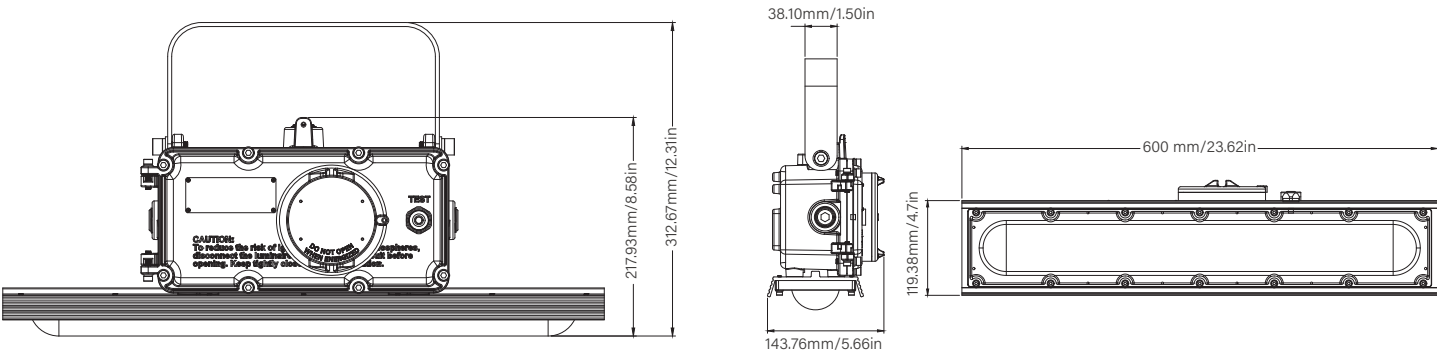


4000K

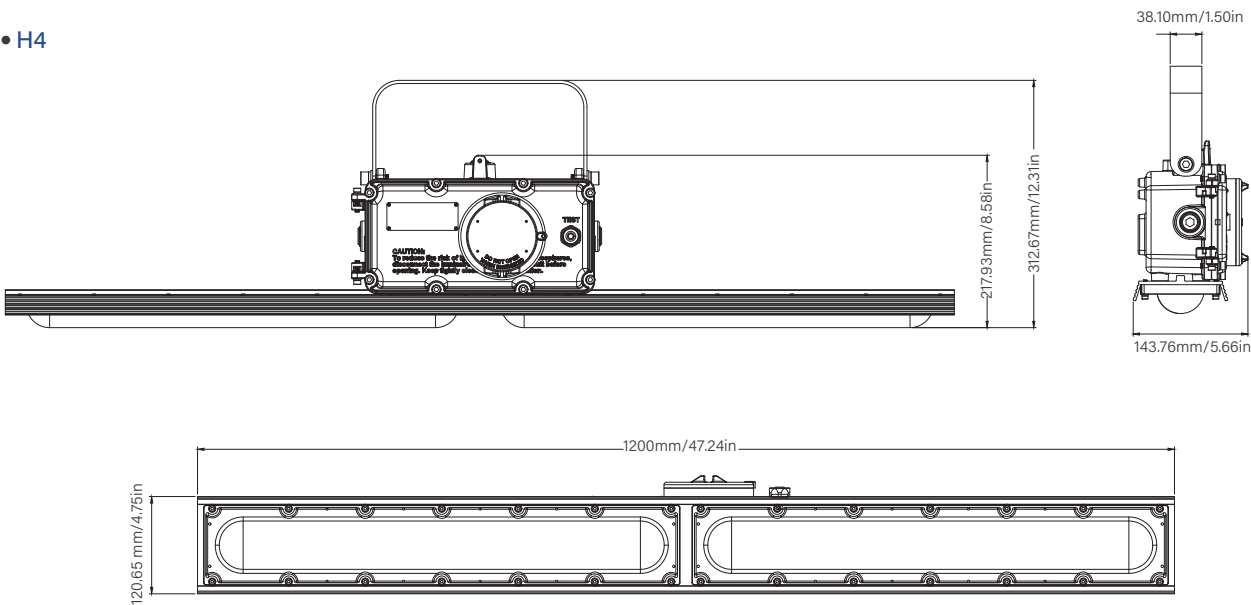
HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

Product Dimensions Unit: mm[inch]

•H2



• H4



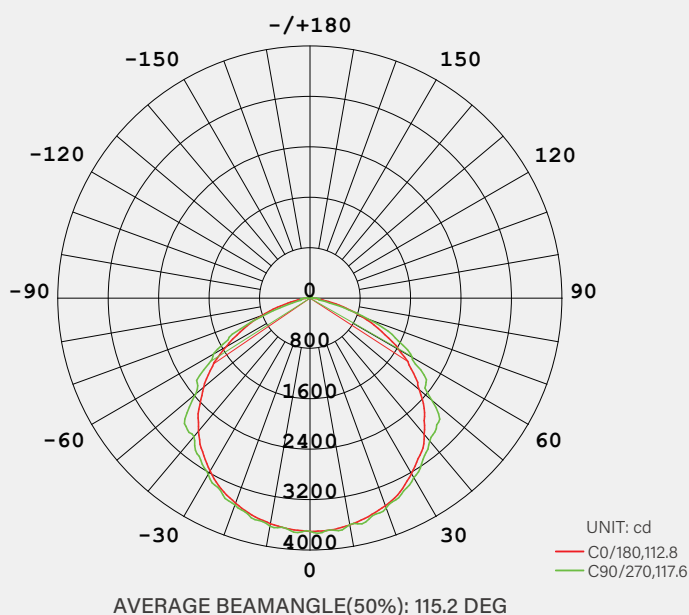
Packing Information

Model	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
H2	710×429×320mm/27.95x16.93x12.60inch	11.4kg/25.13 lb	12.5 kg/27.56 lb	2 pc
H4	1320×419×330mm/51.97x16.54x12.99inch	14.8 kg/32.63 lb	16.4 kg/36.16 lb	2 pc

HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

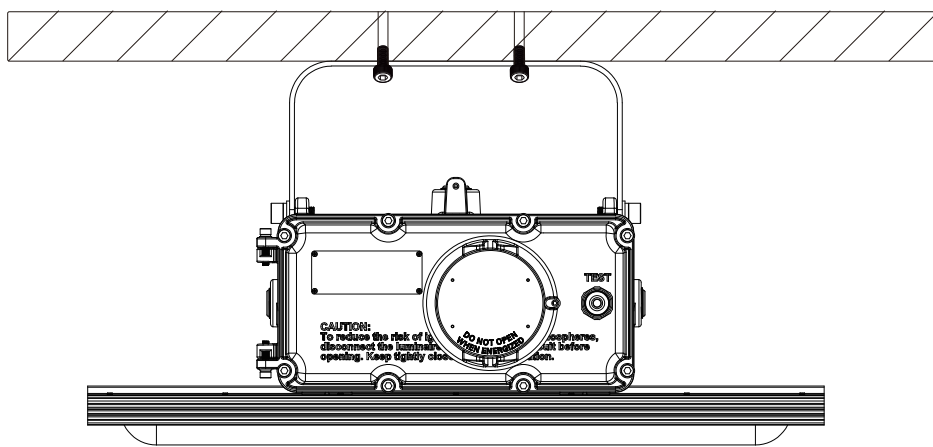
Photometric

- 120 Degree



Mounting Methods

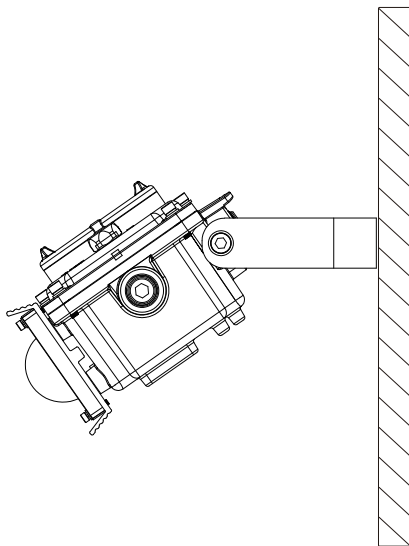
- Option 1: Ceiling Mounting



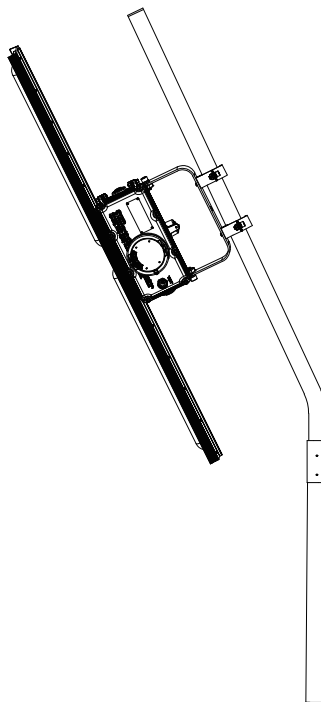
HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

Mounting Methods

- Option 2: Wall Mounting

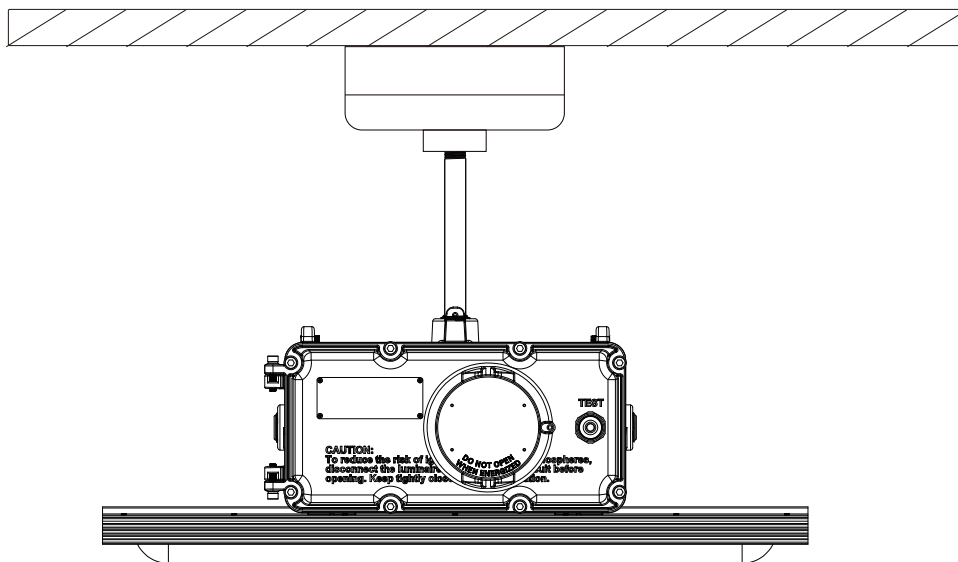


- Option 3: Pole Mounting

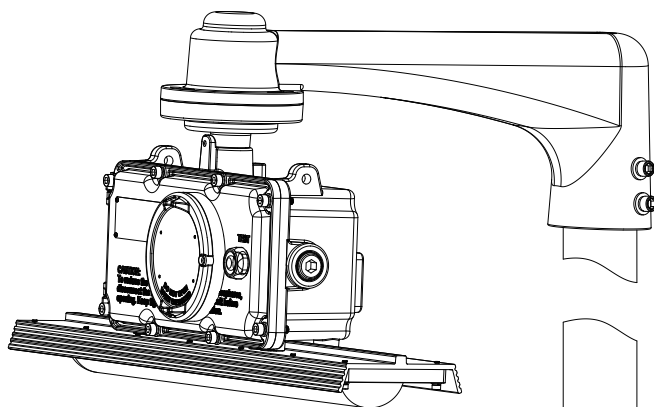


HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

- Option 4: Pendant Mounting

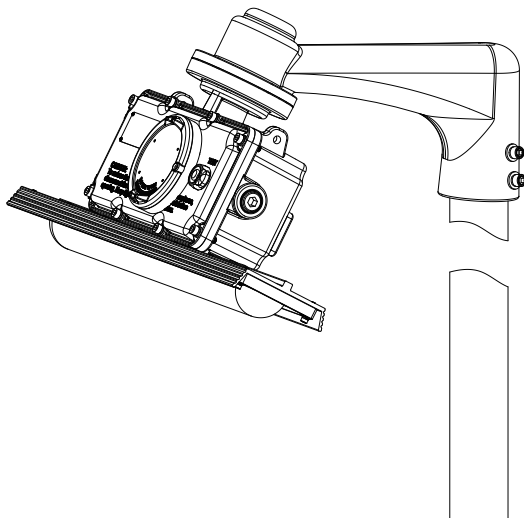


- Option 5: Stanchion Mounting 25°

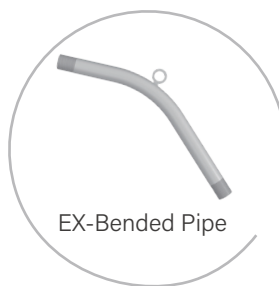


HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

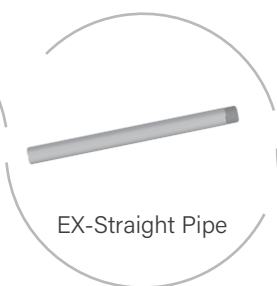
- Option 6: Stanchion Mounting 90°



Accessories



EX-Bended Pipe



EX-Straight Pipe



EX-Hook



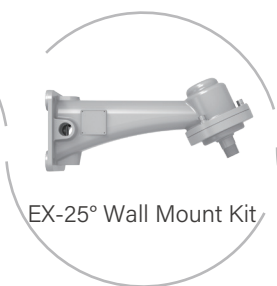
EX-Straight Chain



EX-Slip Fitter Kit



EX-90° Wall Mount Kit



EX-25° Wall Mount Kit



EX-90° Stanchion
Mount Kit



EX-25° Stanchion
Mount Kit



EX-MArm



EX-90° PSupport



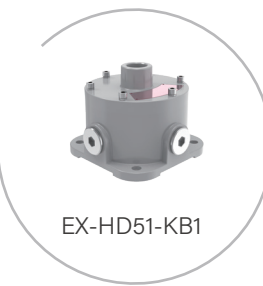
EX-25° PSupport



EX-HD51-KYD 90°



EX-HD51-KYD 25°



EX-HD51-KB1

HAZARDOUS LOCATION LED LUMINAIRE EX-H Spec Sheet

Ordering Guide

