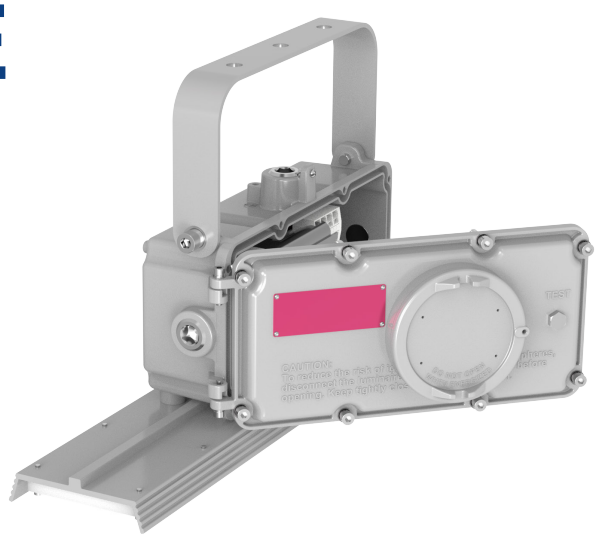
Pan American
Professional Lighting Manufacturer



HAZADOUS LOCATIONS LED LUMINAIRE

H SERIES



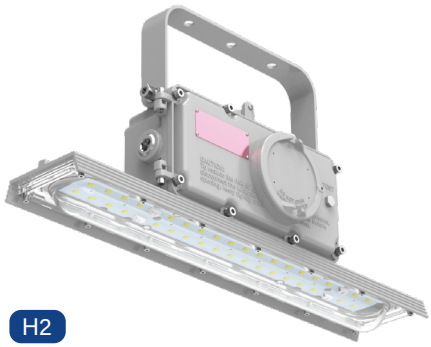
Building 6, Zhongtang Tian'an Digital City, No. 88 Jinyuan Road,
Zhongtang Town, Dongguan, Guangdong. Zip code 523220

UL CERTIFIED · DNV · 3G Vibration · NEMA Type 4X · IP 66 · IK10 · 5 YEARS WARRANTY · 140 lm/W

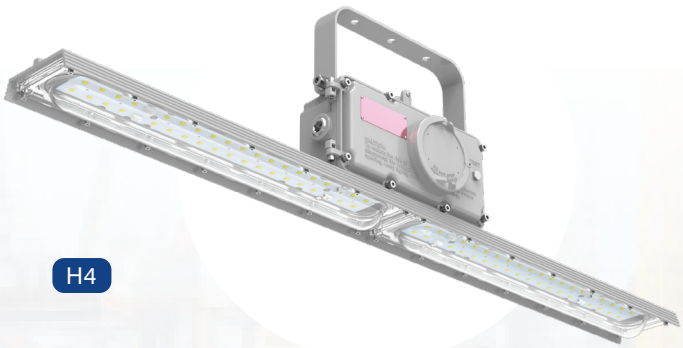
◎ PRODUCT INTRODUCTION >>>

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.



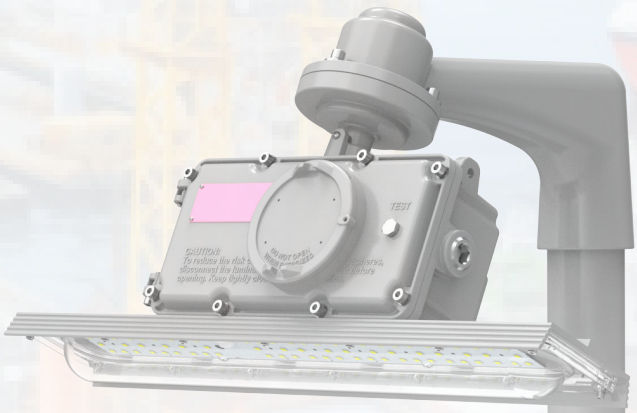
H2



H4

◎ COMPLIANCE >>>

- UL 844 Hazardous Locations Class
  Class I Division 2, Groups A, B, C and D
  Class II Division 1, Groups E, F and G
  Class II Division 2, Groups 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



◎ PRODUCT FEATURES >>>

- ☑ 0-10V dimming
- ☑ With the front cover openable from the side, it is easy to assemble and disassemble, and convenient for maintenance
- ☑ Various installation ways for different applications
- ☑ Compact and robust structure, excellent reliability
- ☑ Separate power chamber and light source chamber for superior thermal management
- ☑ Copper-free aluminum housing, great corrosion resistance and cooling performance
- ☑ Great impact resistance with IK08/IK10 certified

◎ APPLICATION & WARRANTY >>>

-Application

- Power Plants
- Paper mills
- Coal Mine
- Heavy Industrials Storage Facility
- Wastewater Treatment Plants
- Loading Docks Platforms
- Petrochemical Processing Facility
- Chemical Processing Facility
- Offshore Environments
- Metallurgical industry
- Food and Alcohol industry

-Warranty

- 5-year limited warranty for fixture; 3-year limited warranty for battery backup
- LED lumen Maintenance: L70> 150,000 Operation Hours@55°C

◎ TECHNICAL PARAMETER >>>

① -Electrical

Model	Ex-xxxW H2	Ex-xxxW H4
Rated Power	20/30/40/50/60/70/80/100W	40/60/80/100/120/150/180/200W
Input Voltage	120-277VAC/120-347VAC/277-480VAC	
Input Frequency	50/60Hz	
Power Factor	> 0.95	
Emergency Time*	1.5 hours/3 hours(Optional)	

**Emergency function optional.*

② -Optical

Model	Ex-xxxW H2	Ex-xxxW H4
Lumen Output	2800-14000lm	5600-28000lm
Lumens Per Watt	140ml/W	
CCT	2000K-7500K	
CRI	＞70	
Beam Angle	30°/45°/60°/90°/120°/T2/T3/T4/T5	
Dimming	0-10V dimming	

③ -Environmental

Luminaire Model	LED Driver	Temperature Class
Ex-40W H2	SS-50VA-56BHL	T6: 0˚C to 50˚C/T5: 0˚C to 55˚C
	SS-55EP-M54BH	T6: 0˚C to 40˚C/T6: 0˚C to 50˚C
Ex-80W H4	SS-100VA-56BHL	T6: -40˚C to 40˚C/T5: -40˚C to 55˚C
	SS-100EP-M54BH	T6: -40˚C to 40˚C/T6: -40˚C to 55˚C

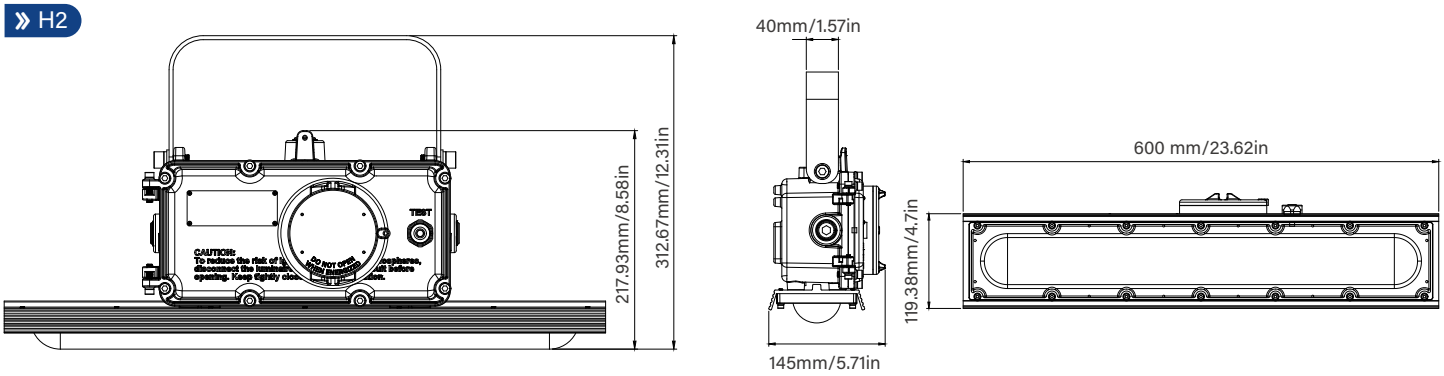
NOTE: Refer the UL certificate for exact temperature and T-code information.

④ -Mechanical

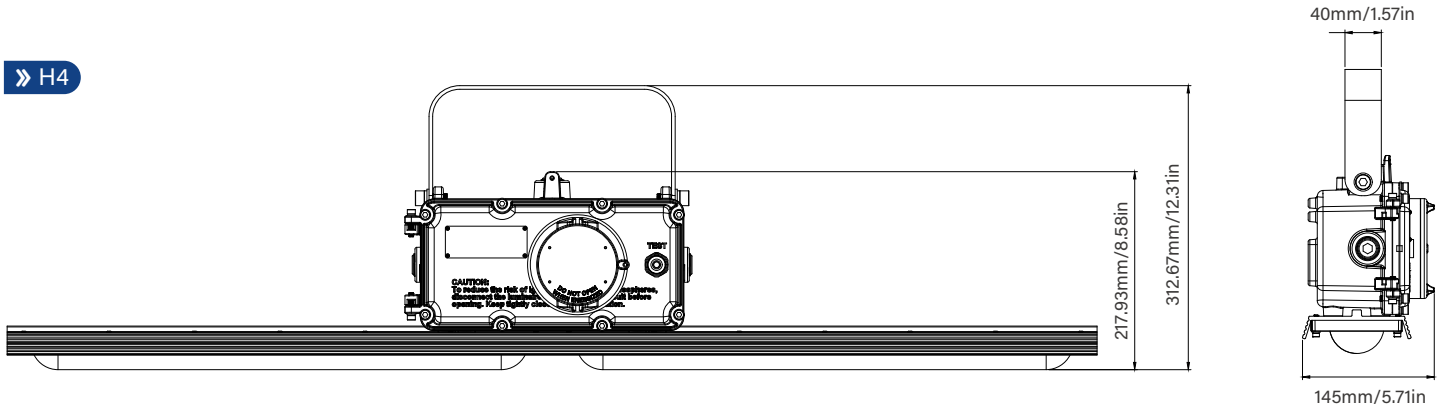
Model	Ex-xxxW H2	Ex-xxxW H4
Housing Material	Copper-free aluminum	
Diffuser Material	Clear Convex PC/Frost Convex PC	
Gasket Material	Silicone Rubber	
Hardware	Stainless steel 304	
Protection Rating	IP66 (Ingress protection)/IK10 (Impact protection)	
Mounting Options	Ceiling; Wall; Pole/Pendant (Purchase separately); Stanchion Mount 25°/90°(Purchase separately)	
Cable Entries	2×3/4"NPT (on the side); 1×3/4"NPT (on the top)	

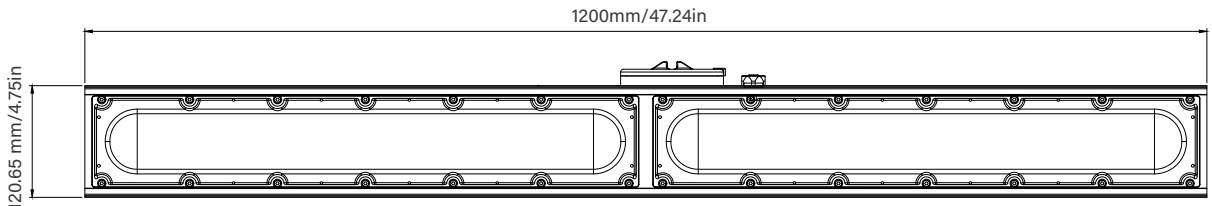
◎ PRODUCT DIMENSIONS [UNIT: MM/INCH] >>>

» H2



» H4

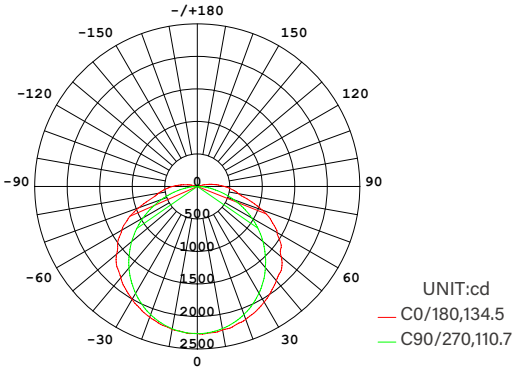




◎ PACKING INFORMATION >>>

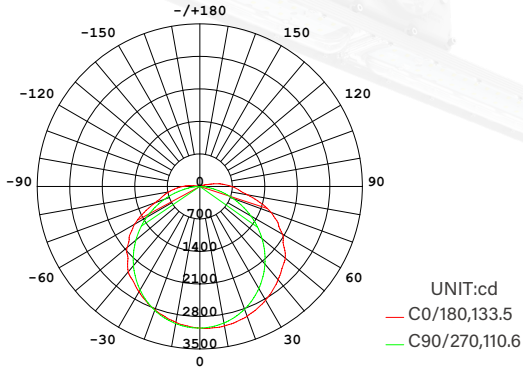
Model	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
H2	716×286×311mm/28.19×11.26×12.24inch	5.4kg/11.90lb	7kg/15.43lb	1 pcs
H4	1316×286×311mm/51.81×11.26×12.24inch	7.4 kg/16.31lb	9.4kg/20.72lb	1 pcs

◎ PHOTOMETRIC >>>



AVERAGE BEAM ANGLE(50%):122.6 DEG

H2

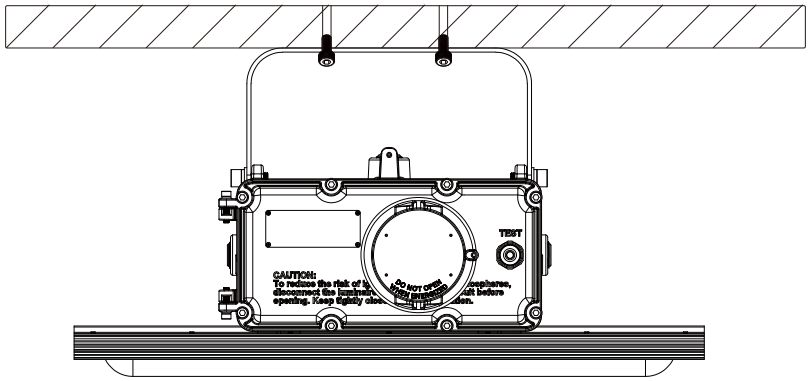


AVERAGE BEAM ANGLE(50%):122.0 DEG

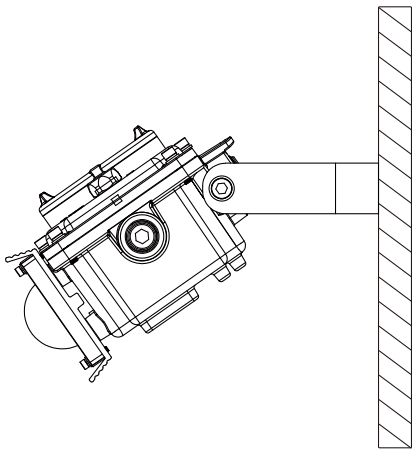
H4

◎ MOUNTING METHODS AND ACCESSORIES >>>

» Option 1 - Surface/Ceiling Mounting

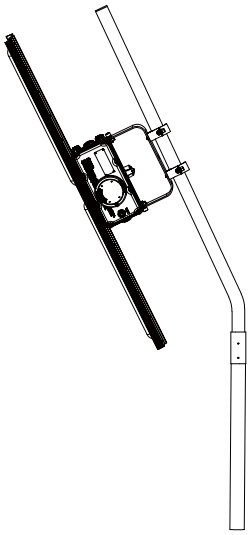


» Option 2 - Wall Mounting

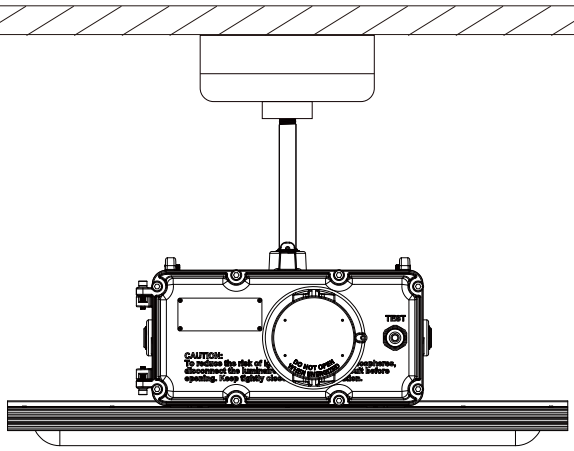


◎ MOUNTING METHODS AND ACCESSORIES >>>

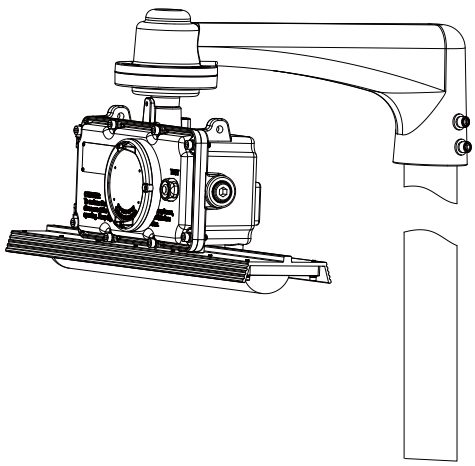
» Option 3 - Pole Mounting



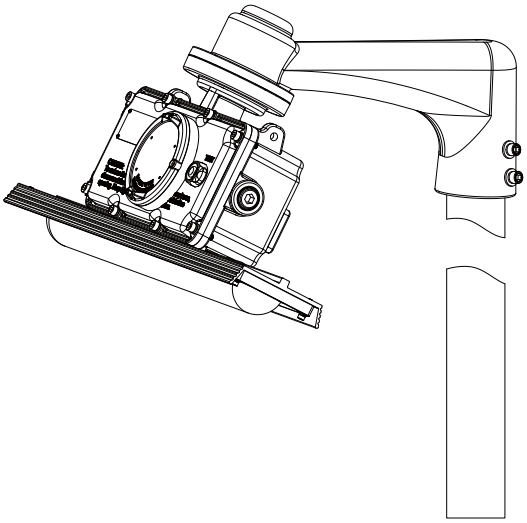
» Option 4 - Pendant Mounting



» Option 5 - Stanchion Mounting 25°



» 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



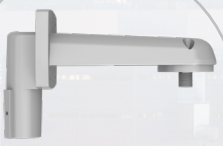
EX-90° Stanchion
Mount Kit



EX-25° Stanchion
Mount Kit



EX-MArm



EX-90° PSupport



EX-25° PSupport



EX-HD51-KYD 90°



EX-HD51-KYD 25°



EX-HD51-KB1

◎ ORDERING GUIDE >>>

EX - XXW H2 D 20 D60 CFG A 1 H V10 T -E

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬

1 Basic model series
Ex – Explosion-proof Light

2 Input wattage
H2 Series:
20/30/40/50/60/70/80/100W
H4 Series:
40/60/80/100/120/150/180/200W

3 Lamp body type
H2 = Lamp Enclosure Heatsink (H2)
H4 = Lamp Enclosure Heatsink (H4)

4 Dimming
Blank = No Dimmable / D = Dimmable

5 CCT
20 = 2000K / 30 = 3000K
40 = 4000K / 50 = 5000K
57 =5700K / 65 = 6500K / 75 = 7500K

6 Beam angle
D30 = 30 degrees / D40 = 40 degrees
D60 = 60 degrees / D90 = 90 degrees
D120 = 120 degrees / T2 = T2 degrees
T3 = T3 degrees / T4 = T4 degrees
T5 = T5 degrees

7 Diffuser type
CCP = Clear Convex PC
Blank = Frost Convex PC

8 Driver box cover type
Blank = Driver Box Cover B
(For Driver Box Housing A only)
Refer the UL certificate for exact information

9 LED chip packaging
Blank = 2835 Tunable LED Board
1 = SMD5050 / 2 = SMD2835

10 Input voltage
Blank = 120-277V
H = 277-480V / M = 120-347V

11 LED driver
H2 series: P40, P60
H4 series: P60, P10
Refer the UL certificate for exact information

12 Dual tunable or not
T = With Tunable
Blank = Without Tunable

13 Backup power source
N = Without Backup Power Source
-E = With Backup Power Source