Pan American
Professional Lighting Manufacturer



HAZARDOUS LOCATIONS LED LUMINAIRE

S 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 · IP66 · IK10 · DIMMABLE · 5 YEARS WARRANTY · 130 lm/W



S1



S2

Product Description

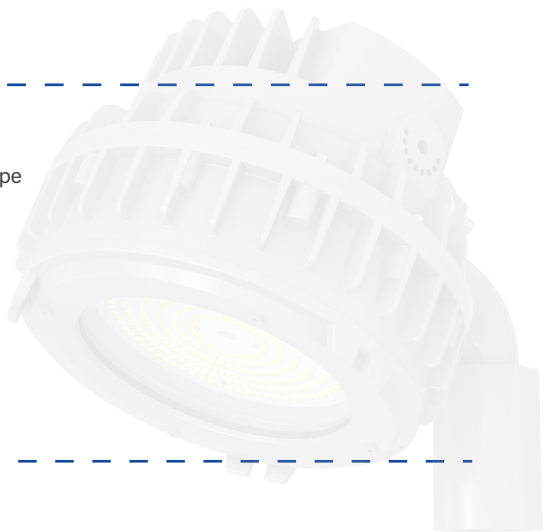
The S Series LED luminaire is designed for installations in hazardous areas where moisture, dirt, dust, corrosion and vibration may be present, or areas where wind, water, snow or high ambient temperature can be expected. Flame-proof and increased safe functions enhance safety and reliability, which makes this product an ideal lighting solution for hazardous locations.

Features

1. Flat glass and convex glass diffusers are optional
2. Combined flame-proof and increased-safety function
3. Compact and rugged structure, easy installation
4. Various installation ways for different applications
5. Great impact resistance with IK08/IK10 certification
6. Copper-free aluminum housing, great corrosion resistance and cooling performance
7. Tempered glass for high heat resistance

Compliance

- UL 844 Hazardous Locations Class
  - Class I, Division 1, Groups B, C and D
  - 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
  - DNV
  - ABS
  - Vibration 3G
  - NEMA Type 4X
  - IP66
  - IK10



Application & Warranty

- 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
- 5-Year Standard Warranty

Technical Parameter

• Electrical

Model	EX-xxxW S1	EX-xxxW S2
Rated Power	20/30/40/50/60/80/100/150W	20/30/40/50/60/80/100/120/150/180/200/240W
Input Voltage	120-277VAC/ 120-347VAC /200–480VAC	
Frequency	50/60Hz	
Power Factor	0.95	
Emergency	Optional	
Emergency Time	1.5 hours	

• Optical

Model	EX-xxxW S1	EX-xxxW S2
Lumens Per Watt	130 lm/W	130 lm/W
Lumen Output	2600 lm-19500 lm	2600 lm-31200 lm
CCT	3000K/4000K/5000K/5700K/6500K	
CRI	>70	
Beam Angle	40°/60°/90°/120°/T2/T3/T5	
Dimming	1-10V dimming optional	

• Mechanical

Model	EX-xxxW S1/S2
Housing Material	Aluminum alloy ADC12
Diffuse Material	Standard: Clear flat glass; Optional: Clear convex glass /Frosted convex glass/Frosted flat glass
Gasket Material	Silicone Rubber
Latches/Clips Material	Stainless steel hardware
Protection Rating	Ingress protection: IP66 Impact protection: IK10
Mounting Options	Ceiling/U-bracket MountCeiling (Included), Pole Mount (25°)(Purchase separately), Pendant /Jib Mount (Purchase separately), Pole +junction box mount(Purchase separately)
Cable Entries	NPT 3/4"
Warranty	5-year limited warranty for fixture

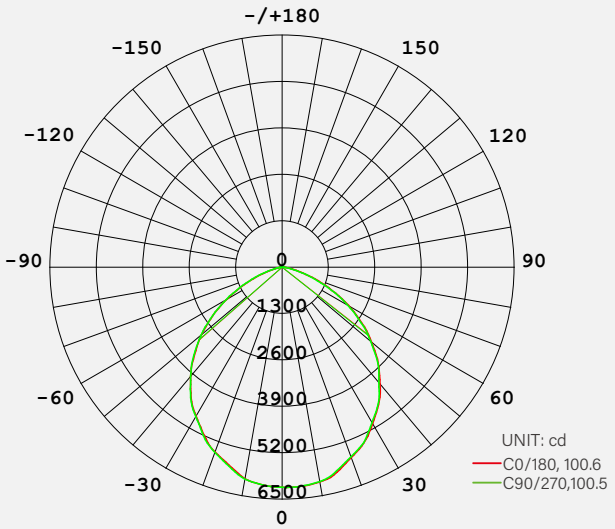
• Ambient Temperature

Model	Power Model	Temperature Class
EX-30W S1	EX-60W-48BH, VA-65V-054B, XLG-50-AB ELG-75-48AB, HVG-65-48AB, SS-30VA-56BH	T5: -40°C to 40°C (CIDII) T6: -40°C to 40°C (CIDI) T4A:-40°C to 55°C (CIDII) T6: -40°C to 55°C (CIDI)
EX-100W S2	EX-100W-48B, HVA-100V-054B, XLG-100-H-AB, HVG-100-48AB	T5:-40°C to 50°C (CIDII/CIDI)
	ELG-100-48AB, SS-100VA-56BHL	T5:-40°C to 50°C (CIDII/CIDI)

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

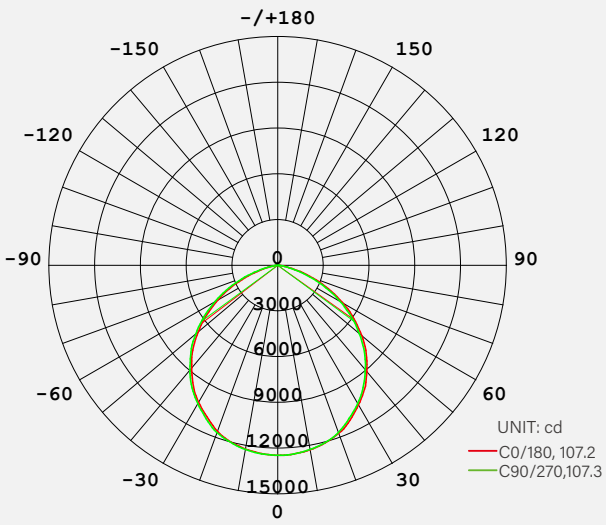
Photometric

- S1: 120 Degree



AVERAGE BEAMANGLE(50%): 100.5 DEG

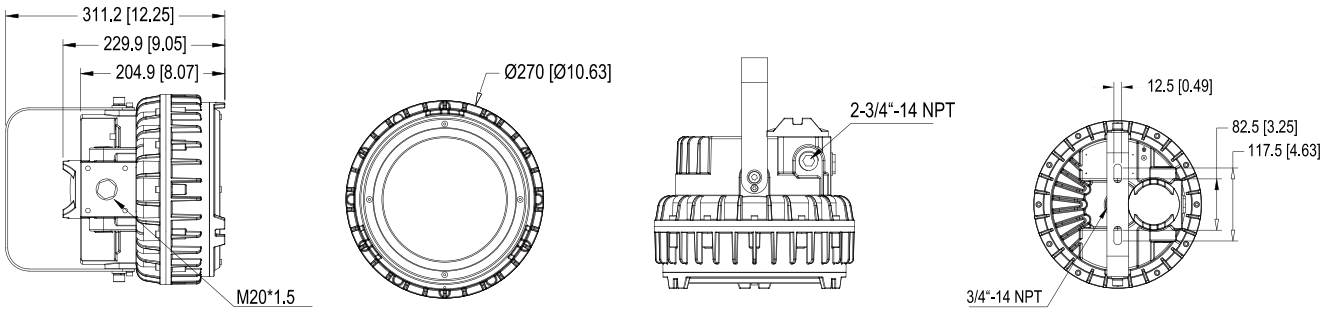
- S2: 120 Degree



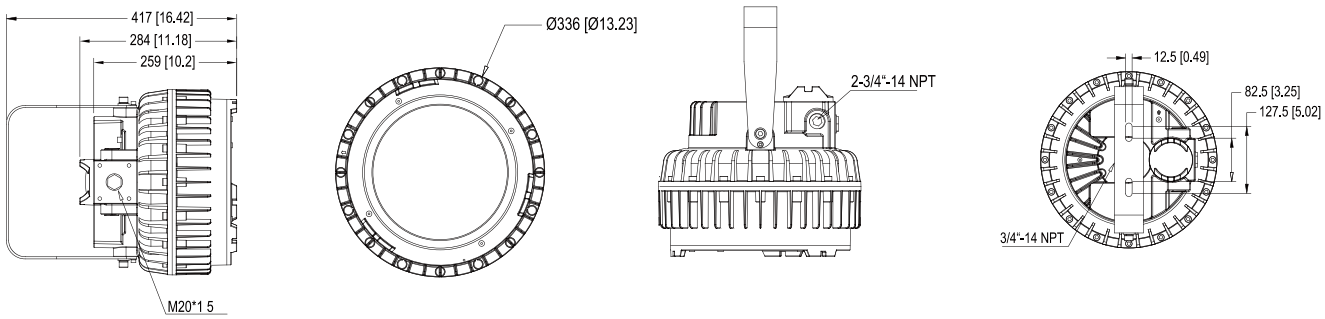
AVERAGE BEAMANGLE(50%): 107.2 DEG

Product Dimensions Unit: mm[inch]

- S1



- S2

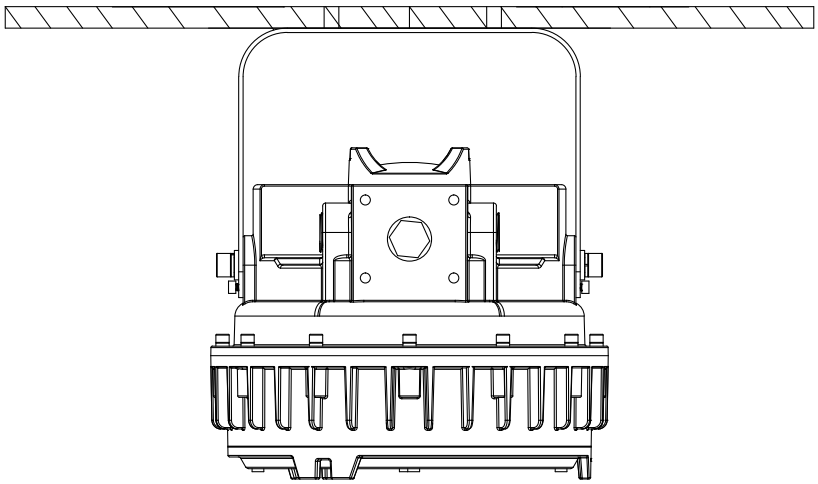


Photometric

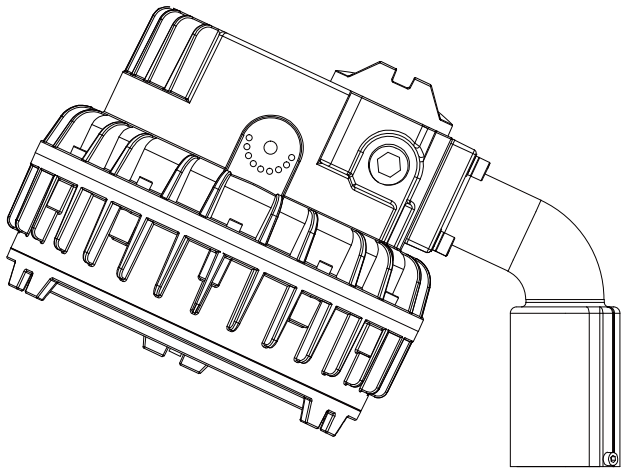
Model	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
S1	470x420x320mm/18.50x16.54x12.60 in	11.1 kg/24.47 lb	12.8 kg/28.22 lb	1 pc
S2	540x460x370mm/21.26x18.11x14.57 in	19.6 kg/43.21 lb	21.9 kg/48.28 lb	1 pc

Mounting Methods

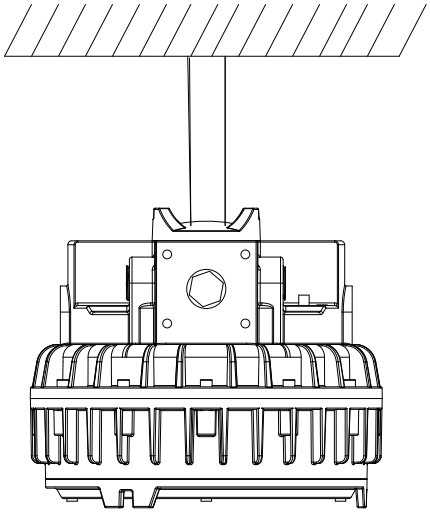
- Option 1: Ceiling/U-bracket Mounting



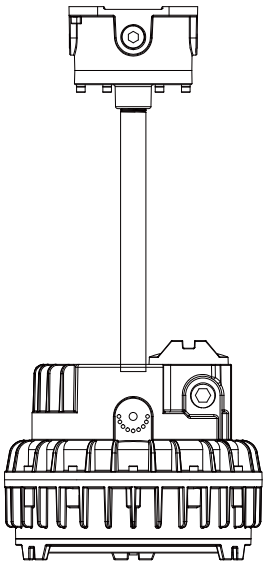
- Option 2: Pole Mounting (25°)



- Option 3: Pendant /Jib Mounting



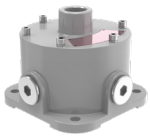
- Option 4: Pole + junction box Mounting



Accessories



EX-Straight Pipe



EX-HD51-KB1



S-25° Pole Mount Bracket



S-Bracket (Type S)

Ordering Guide

EX - xxxW S1/S2 Y Z D * F G H I J K L M

(1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15)

1.EX — Model Series Name: EX

2.xxxW — Input Wattage:
S1: 20W/30W/40W/50W/60W/80W/100W/150W
S2: 20W/30W/40W/50W/60W/80W/100W/120W/150W/180W/200W/240W

3.S1/S2 — Lamp Enclosure Heatsink: S1 = Lamp Enclosure Heatsink (S1)
S2 = Lamp Enclosure Heatsink (S2)

4.Y — Dimming: Blank = No Dimming function D = Dimmable

5. Z — CCT: 30=3000K 40=4000K 50= 5000K 57= 5700K 65= 6500K

6. D — Beam Angle:
D30 = 40 degrees D60 or T2 = 60 degrees
D90 or T3 = 90 degrees D120 or T = 120 degrees

7. * — Diffuser Type: Blank = Clear flat glass

8. F — Driver Enclosure Cover: A = Driver Enclosure Cover A

9. G — Type Of Installation:
P25 = Pole Mounting (25°) J = Jib Mounting Blank = U-bracket Mounting

10. H — LED Type:
Blank = 2835 Tunable Board 1 = 5050 2 = 2835

11. I — Input Voltage:
H = 200–480V Blank= 120-277V M = 120-347V

12. J — LED Driver: *Please refer to the UL report for detailed data*

13. K — Accessories Use Only:
Blank = Driver Enclosure Body without lead sealing
1 = Driver Enclosure Body with lead sealing

14. L — Dual Tunable Or Not:
Blank = Without Tunable
T= With Tunable

15. M — Accessories use only:
-E = Backup Driver is provided
(For S2 series and rated for 20W, 30W, 40W, 50W, 60W, 80W, 100W only)
Blank = Backup Driver is not provided