



Pan American

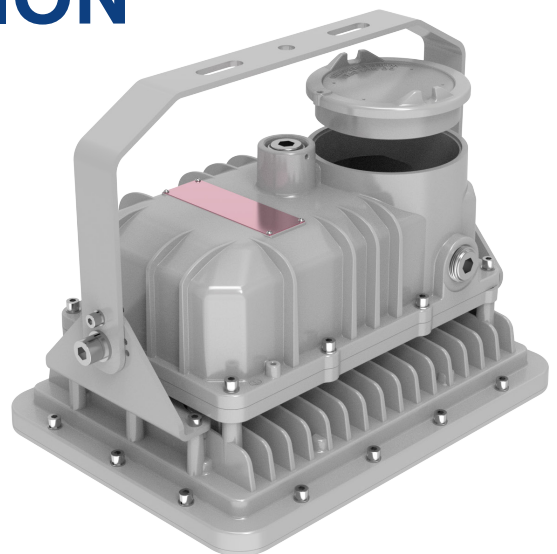
Professional Lighting Manufacturer

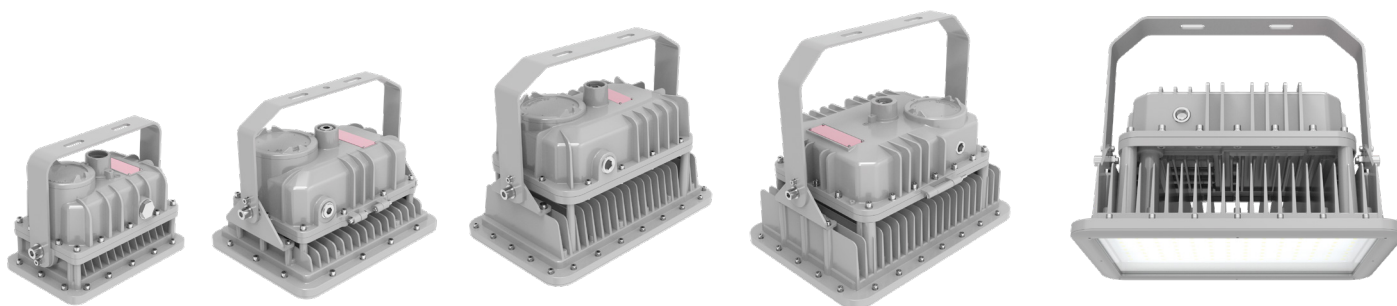


HAZARDOUS LOCATION LED LUMINAIRE

A SERIES

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





A2

A

A3

A4

Product Description

The A Series LED luminaire is the ideal choice for marine and hazardous applications. 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.

Features

- 0-10V dimming optional
- High luminous efficacy - Up to 140 lumens per watt
- Compact and robust structure, excellent reliability
- Various installation ways for different applications
- Great impact resistance with IK08 certified
- Die-cast aluminum housing, great corrosion resistance and cooling performance

Application

- Oil and gas industry
- Metal treatment industry
- Chemical processing facility
- Power Plants
- Ocean, marine location
- Heavy industrial storage facility
- Wastewater Treatment Plants
- Food and Alcohol Industry

Compliance

- **UL 844 Hazardous Locations Class**
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**

- DNV
- Vibration 3G
- NEMA Type 4X
- ABS
- IP66
- IK08 (glass cover)
- IK10 (with wire guard)

Technical Parameter

• Electrical

Model	EX-xxxW A2	EX-xxxW A	EX-xxxW A3	EX-xxxW A4
Rated Power	20/25/30/35/40/50/60/70/80/100W	20/40/60/80/100/120/150W	60/80/100/120/150/180/200/240W	150/180/200/250/300/350/400/500/550/600W
Input Voltage	120-277VAC/120-347VAC/277-480VAC; 12-30VDC/120-400VDC			
Frequency	50/60Hz			
Power Factor	> 0.95			

• Optical

Model	EX-xxxW A2	EX-xxxW A	EX-xxxW A3	EX-xxxW A4
Lumen Output	2800lm-14000lm	2800lm-21000lm	8400lm-33600lm	21000lm-84000lm
Lumens Per Watt	140lm/W			
CCT	2000K - 7500K			
CRI	> 70			
Beam Angle	30°/40°/60°/90°/120°/T2/T3/T5			
Dimming	0-10V/1-10V dimming optional			

• Mechanical

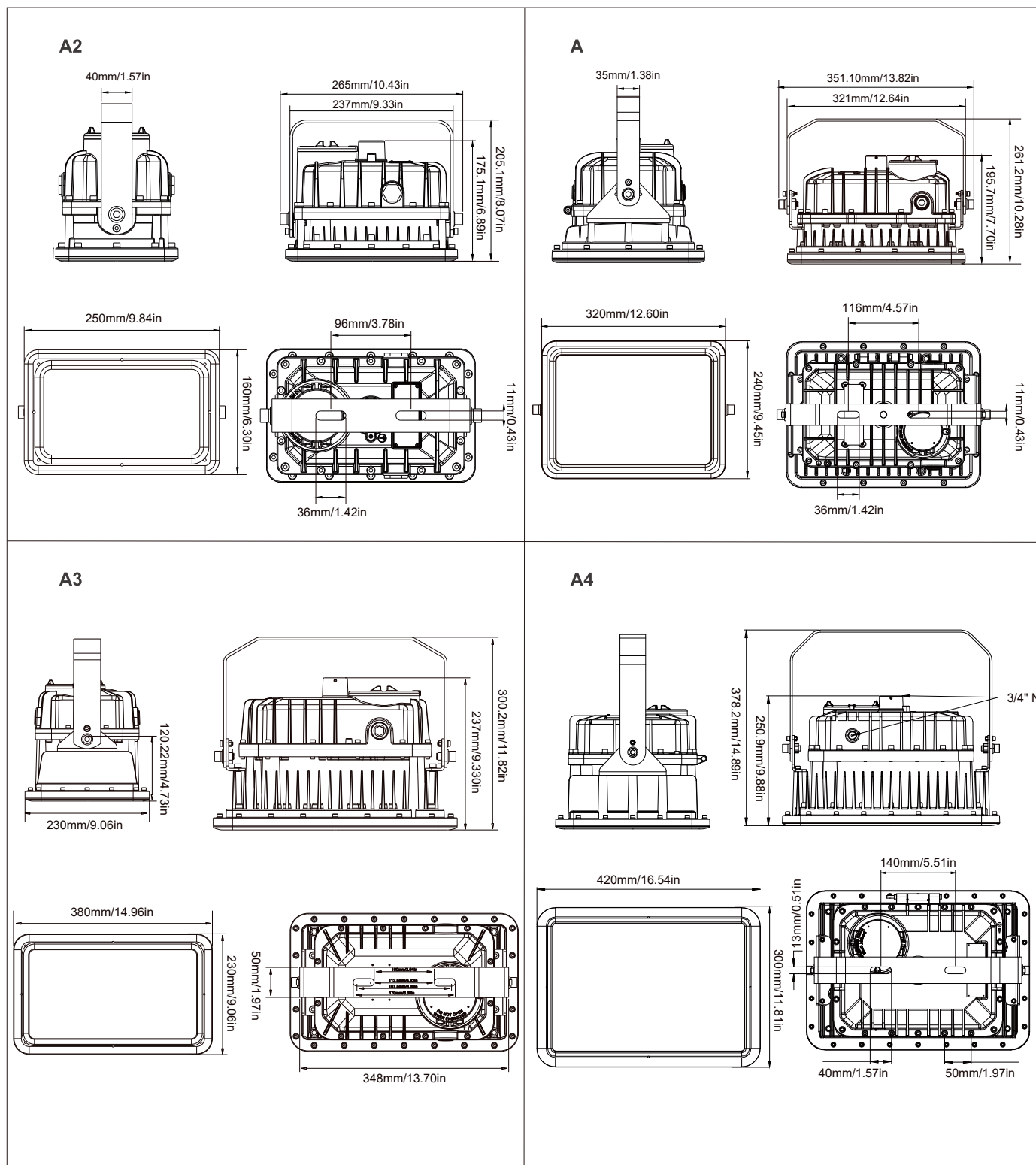
Model	EX-xxxW A2	EX-xxxW A	EX-xxxW A3	EX-xxxW A4
Housing	Die-cast aluminum			
Lens	Clear Flat Glass			
Hardware	Stainless Steel			
Protection	IP66/IK08 (glass cover)/IK10 (with wire guard)			
Mounting	Ceiling, Wall, Hook, Trunnion, Pole, Stanchion			
Cable Entries	Side: 3/4" NPT (standard); M20, M25, 1/2" NPT (optional) Top: 3/4" NPT (standard)			
Warranty	5 years			

• Environmental

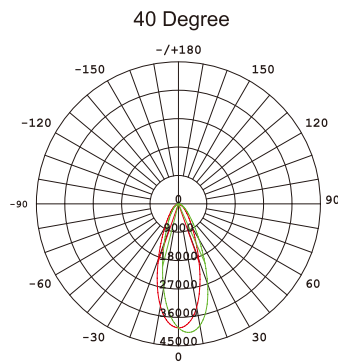
Model	Temperature Class
Ex-40W A2	T6:-40°Cto +40°C T5:-40°C to +55°C
Ex-60W A	T6:-40°Cto +55°C T5:-40°C to +65°C
Ex-120W A3	T4A:-40°Cto +50°C
Ex-300W A4	T6:-40°Cto +40°C T5:-40°C to +55°C

**Please refer to the report for detailed data*

Product Dimensions Unit:mm[inch]



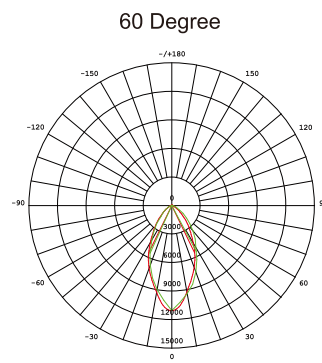
Photometric



AVERAGE BEAM ANGLE(50%):38.6 DEG

UNIT:cd

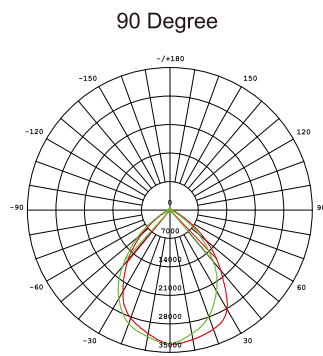
— C0/180,38.7°
— C90/270,38.5°



AVERAGE BEAM ANGLE(50%):52.5 DEG

UNIT:cd

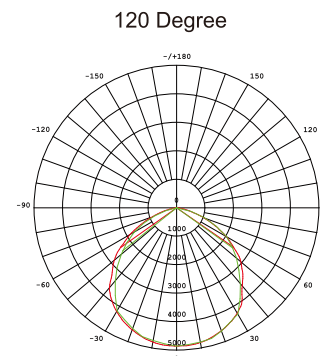
— V 0.0DEG PLAN,52.3
— H 0.0DEG PLAN,52.7



AVERAGE BEAM ANGLE(50%):82.8 DEG

UNIT:cd

— V 0.0DEG PLAN,83.2
— H 0.0DEG PLAN,82.4



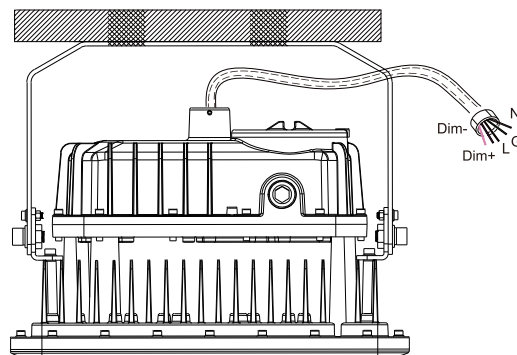
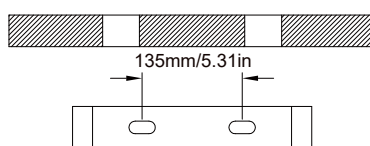
AVERAGE BEAM ANGLE(50%):107.8 DEG

UNIT:cd

— V 0.0DEG PLAN,109.9
— H 0.0DEG PLAN,105.8

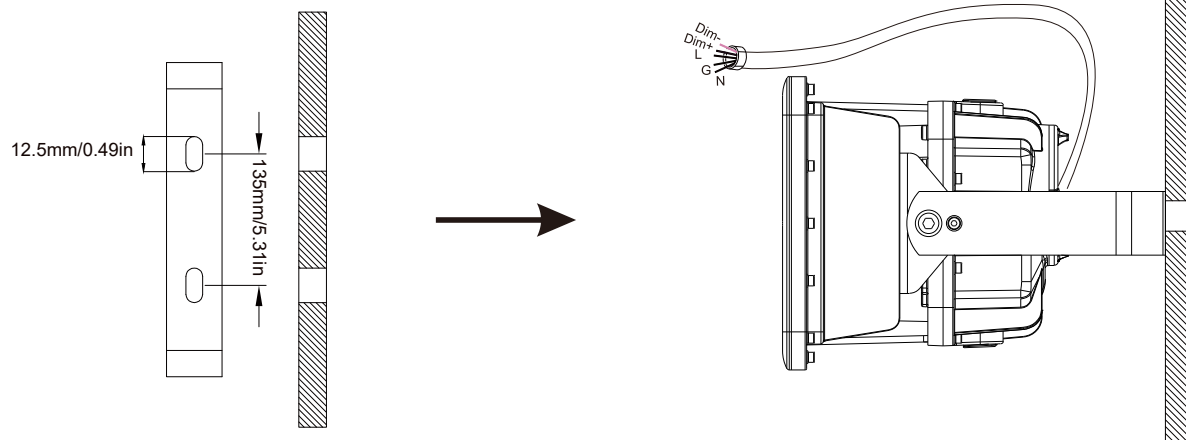
Mounting Methods

1. Ceiling Mounting (Included)

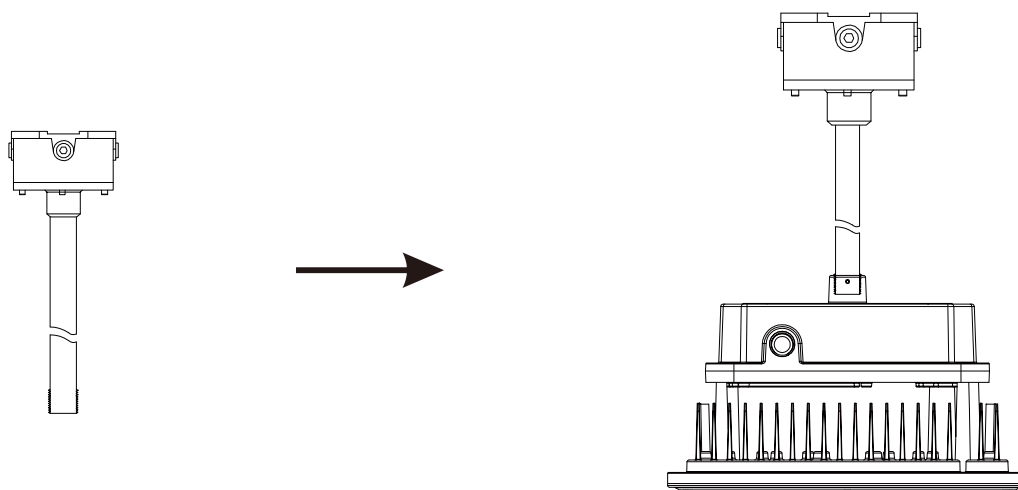


Connect the L, N, G of Luminaire to Branch Circuit

2. Wall Mounting (Included)



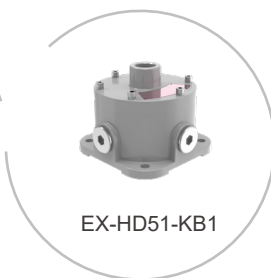
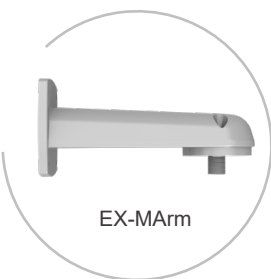
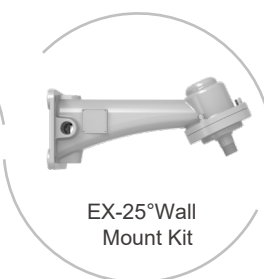
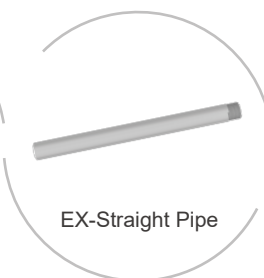
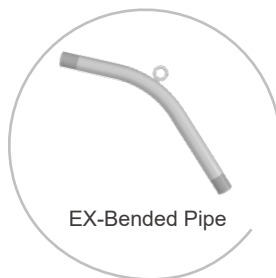
3. Pendant Mounting (Purchase separately)



• Packing Information

Model No.	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
A2	365x270x305 mm/14.37x10.63x12.01inch	4.15 kg/9.15 lb	5.30 kg/11.68 lb	1 pc
A	450x340x370mm/17.72x13.39x14.57inch	6.95 kg/15.32 lb	9.50 kg/20.94 lb	1 pc
A3	470x370x300mm/18.50x14.57x11.81inch	8.30 kg/18.30 lb	11.35 kg/25.02 lb	1 pc
A4	497x465x350mm/19.57x18.31x13.78inch	15.1 kg/33.29 lb	18.55 kg/40.90 lb	1 pc

Accessories



EX - xxxW A2/A4 D 30 D40 * * * * 1 H H65 * *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮

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|---|-------------------------------|---|
| ① | EX | Explosion Proof Product |
| ② | Input Wattage | A2:20/25/30/35/40/50/60/70W
A4:150/180/200/250/300/350/400/500/550/600W |
| ③ | Lamp Enclosure Types | A2 = Lamp Enclosure A2
A4 = Lamp Enclosure A4 |
| ④ | Dimming | Dimming function:D - Dimmable |
| ⑤ | CCT | 20=2000K 30=3000K 40=4000K
50=5000K 57=5700K 60=6000K
65=6500K 75=7500K |
| ⑥ | Beam Angle | D30=30 degrees D40=40 degrees D60=60 degrees
D90=90 degrees D120=120 degrees
T2=60 degrees T3=90 degrees T5=120 degrees |
| ⑦ | Diffuser types | Blank=Clear Flat Glass |
| ⑧ | Driver Housing | Blank – Driver Housing C (For Model A2 and A4 series) |
| ⑨ | Heat Sink types | Blank=Heat Sink O |
| ⑩ | Diffuser Cover Types | Blank=Normal Cover
S=Step Cover |
| ⑪ | LED Types | 1 = 5050 LED 2 = 2835 LED
“Blank” = 2835 Tunable LED board |
| ⑫ | Input Voltage | H = 277-480VAC Blank = 120-277VAC
M =120-347VAC DC = 12-30VDC
DCH – 120-400VDC |
| ⑬ | Driver series | <i>Please refer to the report for detailed data</i> |
| ⑭ | Tunable or non-tunable | T= With CCT/Wattage Tunable
TW = With Wattage Tunable
Blank = Non-tunable |
| ⑮ | Backup Power Source | Blank=No Backup Power -E=With Backup Power |

EX - xxxW A/A3 D 30 D40 * * * * 1 * X10 * *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮

- | | | |
|---|-------------------------------|---|
| ① | EX | Explosion Proof Product |
| ② | Input Wattage | A:20/40/60/80/100/120/150W
A3:60/80/100/120/150/180/200/240W |
| ③ | Enclosure Types | A = Lamp Enclosure A
A3 = Lamp Enclosure A3 |
| ④ | Dimming | Dimming function:D - Dimmable |
| ⑤ | CCT | 20=2000K 30=3000K 40=4000K
50=5000K 57=5700K 60=6000K
65=6500K 75=7500K |
| ⑥ | Beam Angle | D30=30 degrees D40=40 degrees D60=60 degrees
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