

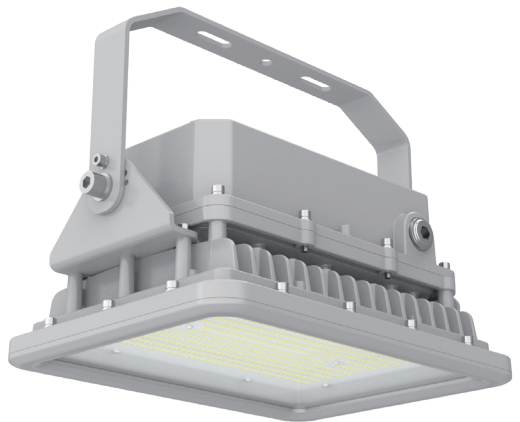


Pan American
Professional Lighting Manufacturer



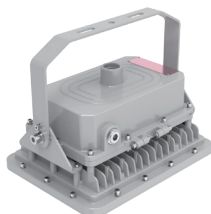
HAZARDOUS LOCATION LED LUMINAIRE (Zone 1)

A SERIES





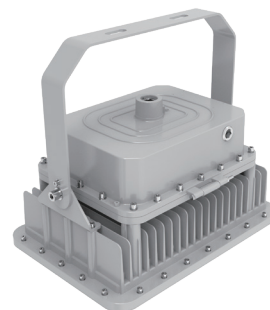
A2



A



A3



A4

Product Description

The EX-A Series LED luminaire is engineered as the ultimate solution for hazardous location applications. Designed to withstand moisture, dirt, dust, corrosion, and vibration, it delivers reliable performance in harsh industrial environments. It also stands up to extreme outdoor conditions, including wind, rain, snow, and high ambient temperatures, ensuring consistent operation in even the most demanding settings.

Feature

- 0-10V dimming optional
- Various installation ways for different applications
- High luminous efficacy
- Great impact resistance with IK10 certified
- Compact and robust structure, excellent reliability
- Die-cast aluminum housing, great corrosion resistance and cooling performance.

Compliance

- IECEx Standard:
 - Ex eb mb IIC T6...T4 Gb
 - Ex tb IIIC T80°C...T100°C Db
- ATEX Standard:
 - Ex eb mb IIC T6...T4 Gb
 - Ex tb IIIC T80°C...T100°C Db
- Vibration 3G
- NEMA Type 4X
- ABS
- IP66
- IK08 (without wire guard)
- IK10 (with wire guard)

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

Technical Parameter

• Electrical

Model	EX-xxxW A2	EX-xxxW A	EX-xxxW A3	EX-xxxW A4
Rated Power	40/60/80/100W	60/80/100/120/150W	100/150/180/200/240W	250/300/350/400/480W
Input Voltage	200-277VAC (Standard), 100-277VAC, 125-270VDC			
Frequency	50/60Hz			
Power Factor	>0.95			
Emergency Function	No emergency function		Max. 150 W	Max. 150 W

• Optical

Model	EX-xxxW A2	EX-xxxW A	EX-xxxW A3	EX-xxxW A4
Lumen Output	5600lm – 14000lm	8400lm – 21000lm	14000lm – 33600lm	35000lm – 67200lm
Lumens Per Watt	140lm/W			
CCT	1800K-6500K			
CRI	> 70			
Beam Angle	40°/60°/90°/120°			
Dimming	Both non-dimmable and 0-10V dimming are available			

• Mechanical

Model	EX-xxxW A2/A/A3/A4
Housing	Copper-free aluminum
Lens	Clear Flat PC
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, M20, M25, 1/2NPT Top: 3/4 NPT, M25
Warranty	5 years

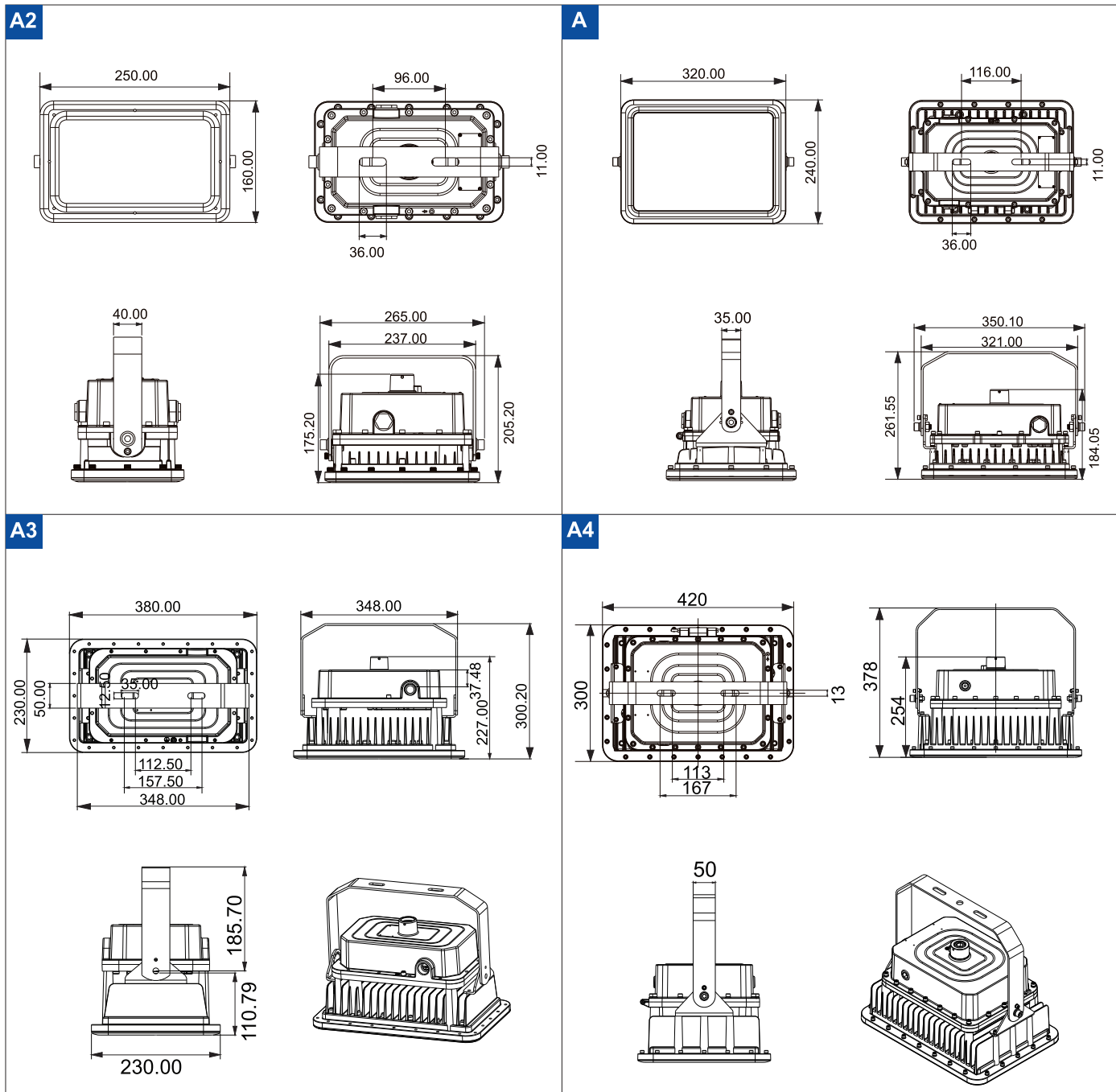
*Cable entries for side and top, 3/4 NPT is standard. If others are required, customer needs to indicate in the inquiry.

• Ambient Temperature

Model	EX-xxxW A2/A/A3/A4
Temperature Class	-40℃ -/+55℃ /+65℃ /+70℃

*Refer the IECEx certificate for exact temperature and T-code information.

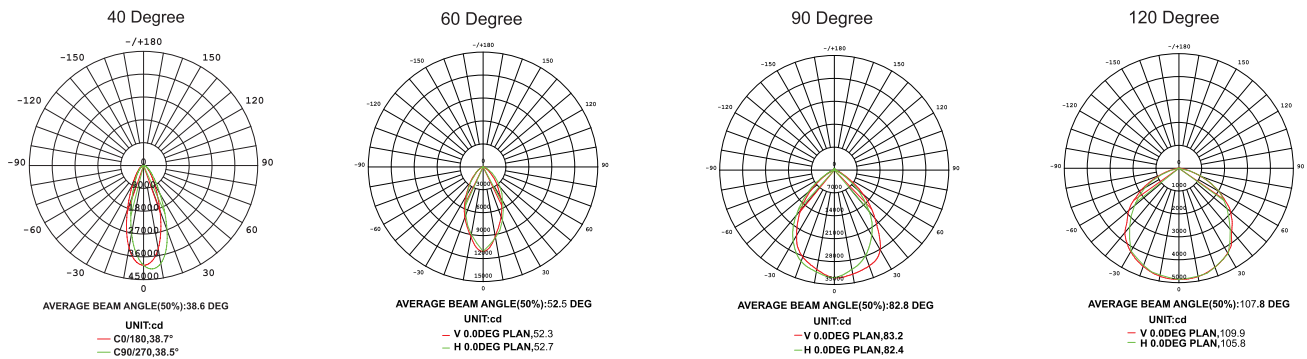
Dimensions: mm [inch]



Packing Information

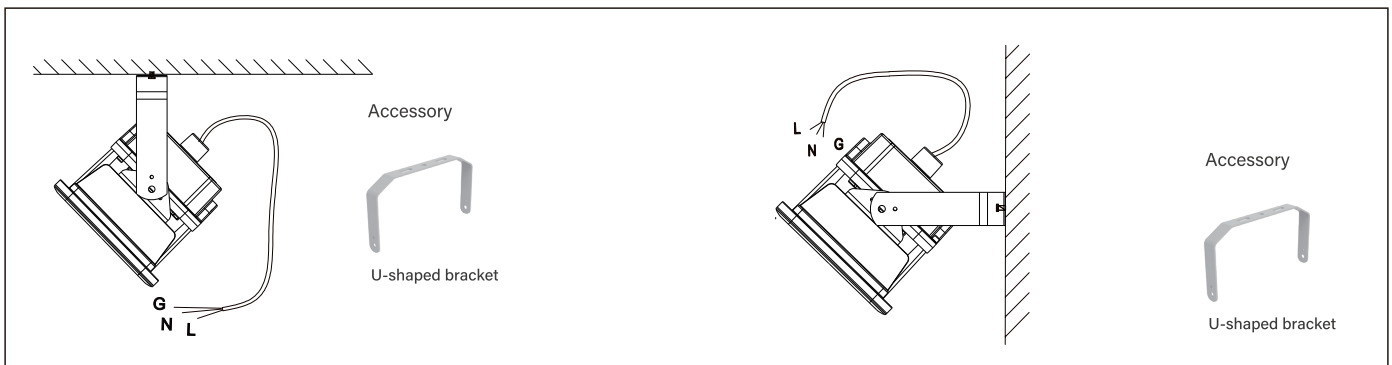
Model No.	Package Dimensions	Net Weight	Gross Weight	Quantity/Carton
A2	365x270x305 mm/14.37x10.63x12.01inch	4.15 kg/9.15 lb	5.30 kg/11.68 lb	1 pc
A	450x340x370mm/17.72x13.39x14.57inch	6.95 kg/15.32 lb	9.50 kg/20.94 lb	1 pc
A3	470x370x300mm/18.50x14.57x11.81inch	8.30 kg/18.30 lb	11.35 kg/25.02 lb	1 pc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

Photometric

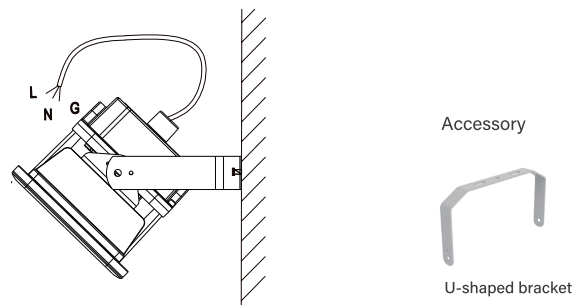


Mounting Methods & Accessories

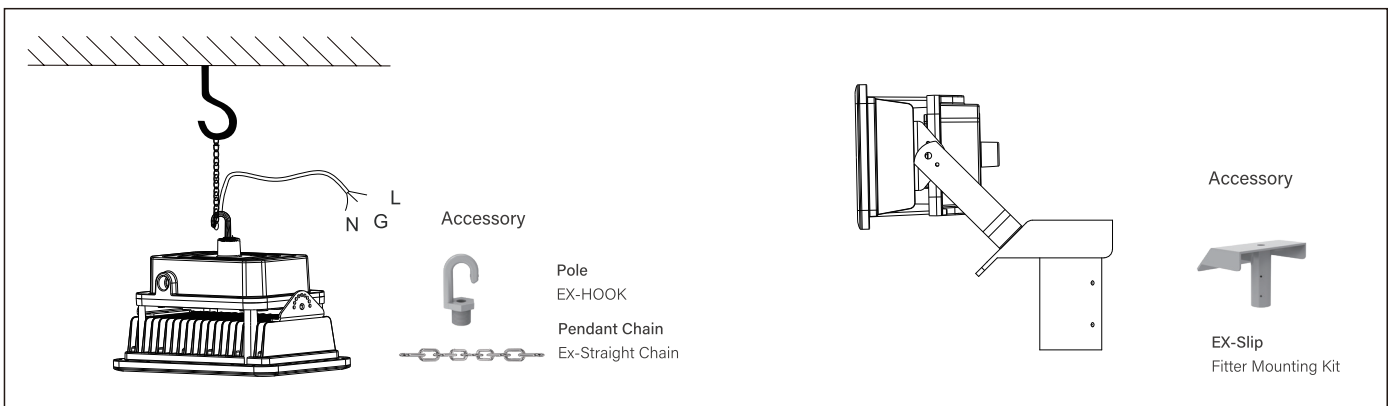
1. Ceiling Mounting



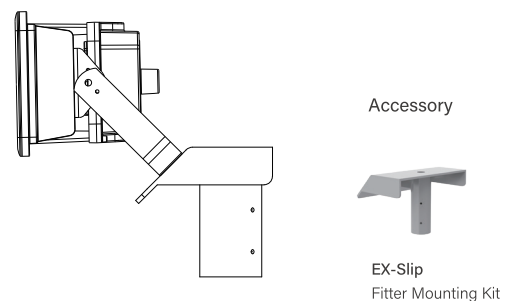
2. Wall Mounting



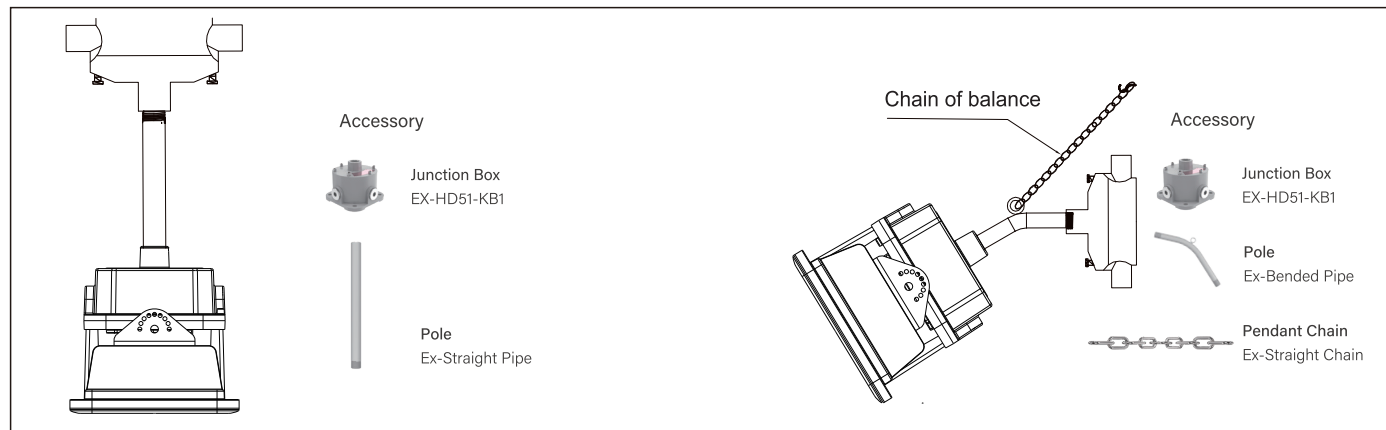
3. Hook Mounting



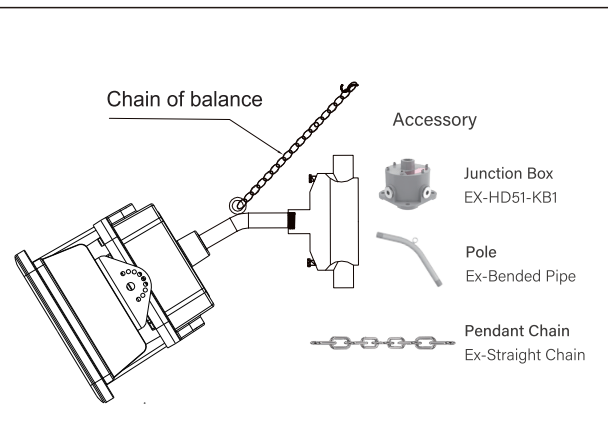
4. Trunnion Mounting (only for A and A2)



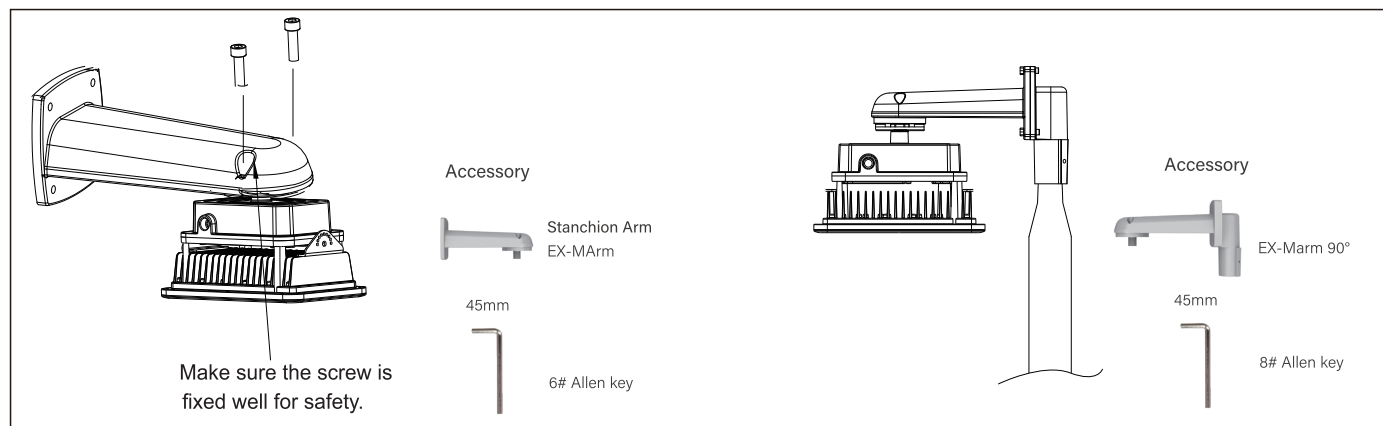
5. Pole Mounting (Vertical)



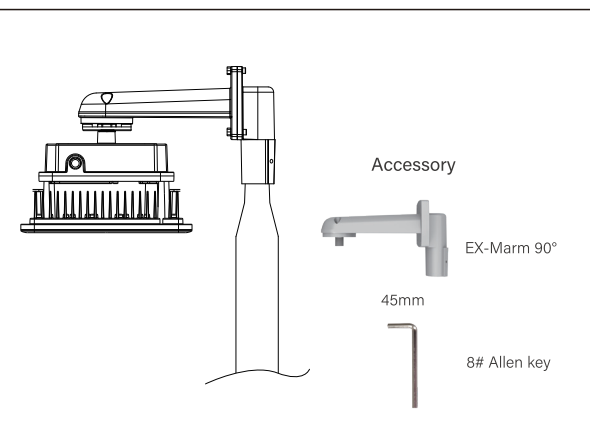
6. Pole Mounting (non - vertical)



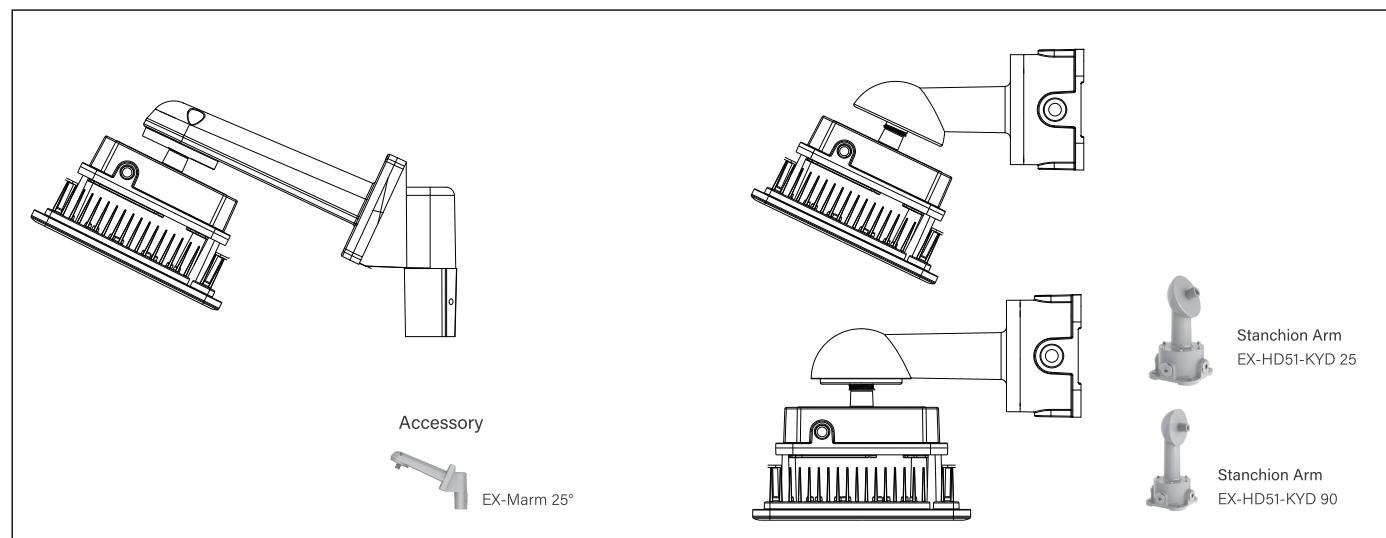
7. Stanchion Mounting on the Wall



8. Stanchion Mounting on the Pole (90 Degree)



9. Stanchion Mounting on the Pole (25 Degree)



10. Wall Mounting with Junction Box (25/90 Degree)

Ordering Guide

EX - xxxW A D 18 D40 CFG A O S 2 M -E

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

1.EX

Explosion-proof

2.xxW

Rated power:

20, 40...480 W 20=20 W, 40=40 W... 480=480 W

3.A

Product code:A2, A, A3, A4

4.D

Dimmable option: D, blank D: Dimmable, blank: Non-dimmable

5.18

Color temperature:

18, 20,27...65

18=1800 K, 2000K, 27=2700 K...65=6500 K

6.D40

Beam angle:

D40 = 40 degrees, D60 = 60 degrees, D90 = 90 degrees, D120 = 120 degrees,
N6×7 =NEMA6×7

7.CFG

Diffuser type: Clear Flat Glass

8.A

Driver Box Cover: A

9.O

Lamp Enclosure Heatsink: O= Lamp Enclosure Heatsink O

10.S

Lens Cover:Blank = Alternate Lamp Enclosure Cover 1 (Normal cover)
S= Lamp Enclosure Cover 1 (Step cover)

11.2

LED type: 1= 5050 2 = 2835

12.M

Input rating:

Blank: 100-277 VAC, M: 200-277 VAC, D: 125-270 VDC

13.-E

Emergency power:

Blank = No emergency power
-E: With emergency power