Durable Lighting Made for Industrial Safety
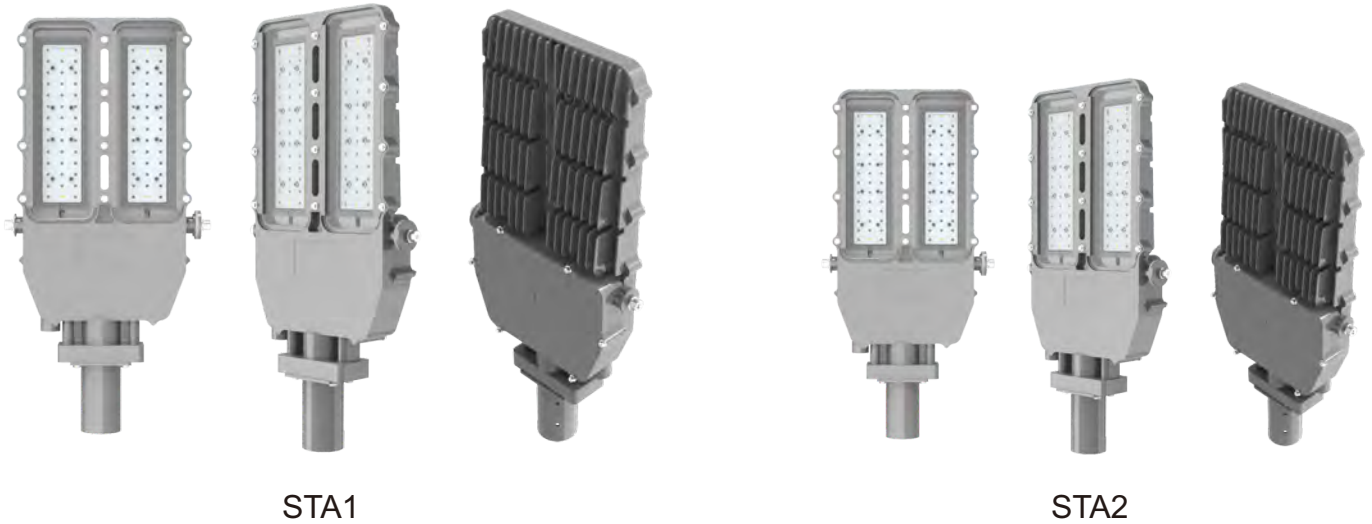
Hazardous Location LED Luminaire
STA1/STA2 Series

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STA1

STA2

ABS

Product Description

The STA1/STA2 Series LED fixture 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

- Suitable for Zone 1&2 (Gas), Zone 21&22 (Dust)
- High luminous efficacy - Up to 120-140 lumens per watt
- 0-10V dimming
- Waterproof and dust-proof, without internal cleaning and maintenance
- Simple structure for easy and quick installation
- Stainless steel fasteners, ADC12 aluminum housing, good corrosion resistance
- Tempered glass, high light transmittance and impact resistance

Warehouse-Lighting.com
2750 South 163rd St
New Berlin, WI 53151

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info@warehouse-lighting.com

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Compliance

ATEX Standard (Zone 1):
Ex II 2 G Ex eb mb IIC T6...T4 Gb
Ex II 2 D Ex tb IIIC T95°C...T125°C Db IP66

ATEX Standard (Zone 2):
Ex II 3G Ex ec mb IIC T6...T4 Gc
Ex II 2D Ex tb IIIC T80°C...T125°C Db

IECEx Standard (Zone 1):
Ex eb mb IIC T6...T4 Gb
Ex tb IIIC T95°C...T125°C Db IP66

IECEx Standard (Zone 2):
Ex ec mb IIC T6...T4 Gc
Ex tb IIIC T80°C...T125°C Db
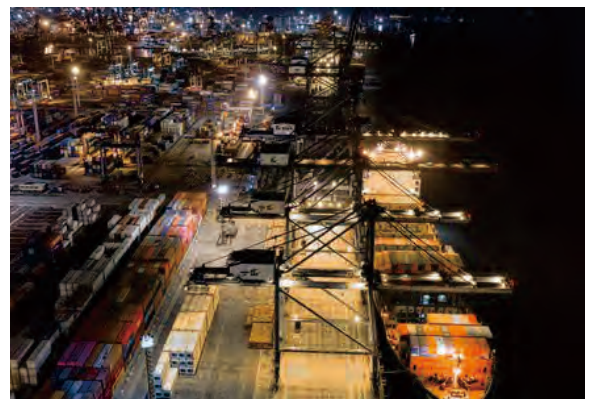
Class I Zone 2 Group IIC
Class II Zone 21 Group IIIC
IP66/IP67
IK06/07 (without wire guard)
IK09 (with wire guard)
1000 hours salt spray

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

Warranty

5-Year Standard Warranty
LED lumen Maintenance: L70> 150,000 Operation Hours@55°C

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Technical Parameter

● Electrical

Specification	EX-xxxW STA1YZD	EX-xxxW STA2YZD
Rated Power	Max 200W	Max 150W
Input Voltage	AC120-277V	AC120-277V
Input Frequency	50/60Hz	50/60Hz

● Optical

Specification	EX-xxxW STA1YZD	EX-xxxW STA2YZD
Lumen Output	Max 28,000lm	Max 21,000lm
Lumens Per Watt	120-140lm/W	120-140lm/W
CCT	2700K-7000K	2700K-7000K
CRI	> 70	>70
Beam Angle	40°/60°/90°/120°/T3/T5	40°/60°/90°/120°/T3/T5
Dimming	0-10V dimming	0-10V dimming

● Environmental

Specification	EX-xxxW STA1YZD	EX-xxxW STA2YZD
Ambient Operating Temperature	-40℃ to +55℃ (-40℉ to +131℉)	-40℃ to +55℃ (-40℉ to +131℉)

● Mechanical

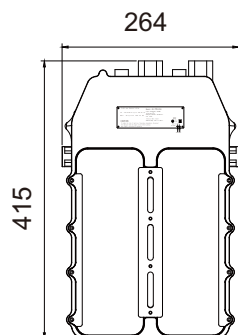| Specification	EX-xxxW STA1YZD	EX-xxxW STA2YZD
Housing Material	ADC12 aluminum	ADC12 aluminum
Glass	Tempered glass	Tempered glass
Surface	Explosion-proof joint surface	Explosion-proof joint surface
Fasteners	Stainless steel	Stainless steel
Protection	IP66/IP67 IK06/07 (without wire guard)/IK09 (with wire guard)	IP66/IP67 IK06/07 (without wire guard)/IK09 (with wire guard)
Mounting	Pole, Trunnion, Arm, Slip Fitter, Bracket, Stanchion	Pole, Trunnion, Arm, Slip Fitter, Bracket, Stanchion

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Product Dimensions
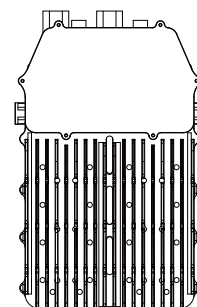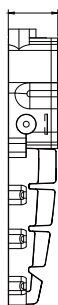
EX-xxxW STA1YZD

329

72
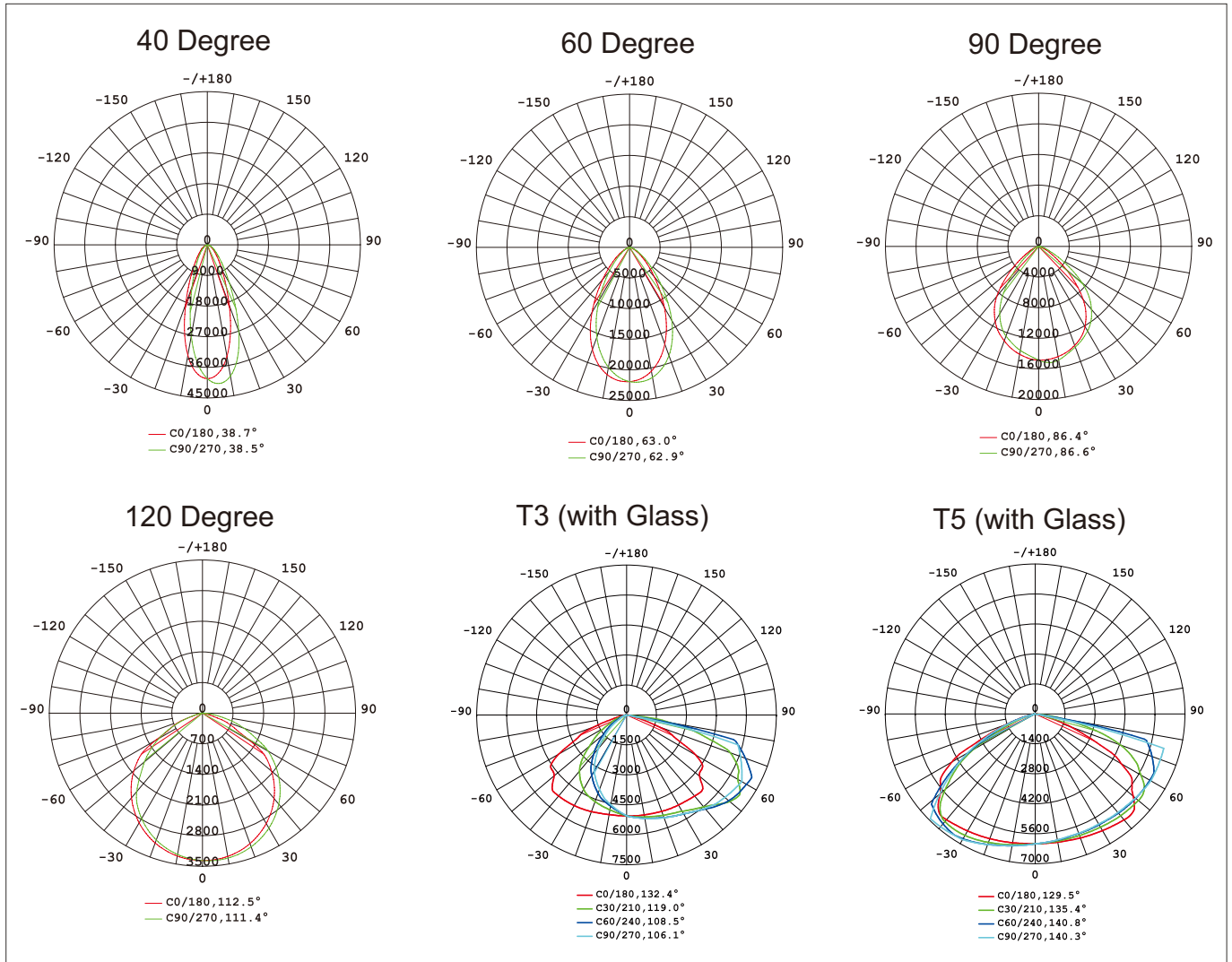
550

EX-xxxW STA2YZD

264

75
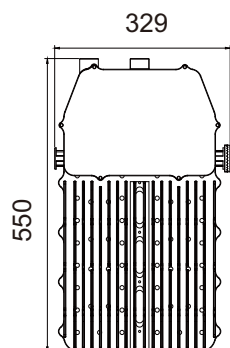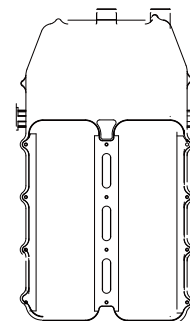
415

● Packing Information

Model	Net Weight (Product)	Product Dimensions (LxWxH)	Quantity/ Carton	Gross Weight	Package Dimensions (LxWxH)
EX-xxxW STA1YZD	9.5kg/20.94lb	550x329x72mm/ 21.65x12.95x2.83inch	1 pc	10.5kg/23.15lb	855x375x226mm/ 33.66x14.76x8.89inch
EX-xxxW STA1YZD	6.5kg/14.33lb	415x264x75mm/ 16.34x10.39x2.95inch	1 pc	7.5kg/16.53lb	560x320x127mm/ 22.05x12.60x5.00inch

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Photometric

40 Degree

— C0/180,38.7°
— C90/270,38.5°

60 Degree

— C0/180,63.0°
— C90/270,62.9°

90 Degree

— C0/180,86.4°
— C90/270,86.6°

120 Degree

— C0/180,112.5°
— C90/270,111.4°

T3 (with Glass)

— C0/180,132.4°
— C30/210,119.0°
— C60/240,108.5°
— C90/270,106.1°

T5 (with Glass)

— C0/180,129.5°
— C30/210,135.4°
— C60/240,140.8°
— C90/270,140.3°

Ordering Guide

EX - xxxW STAx Y Z D

EX: Explosion proof light

xxxW: Wattage. STA1: Max 200W, STA2: Max 150W

STAx: Product code. Can be STA1, STA2

Y: Dimming option. D=dimmable, N=non-dimmable

Z: CCT. Can be 27 to 70, denotes 2700K to 7000K

D: Beam angle. D40=40°, D60=60°, D90=90°, D120=120°, T3=T3, T5=T5

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Mounting Methods and Accessories

● Option1: Pole Mounting
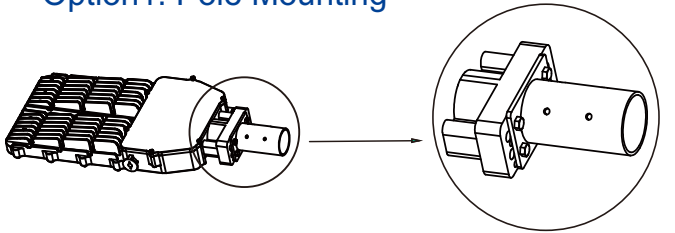
Adapter bracket &
Light pole mounting bracket
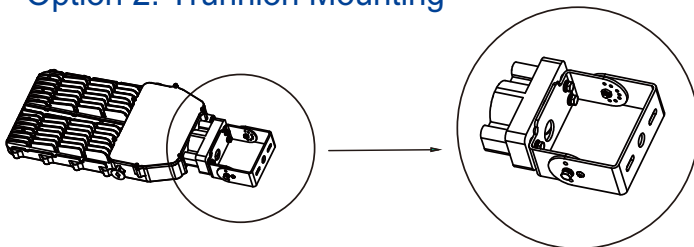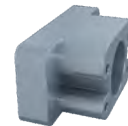
● Accessories

Adapter bracket

Light pole
mounting bracket

● Option 2: Trunnion Mounting
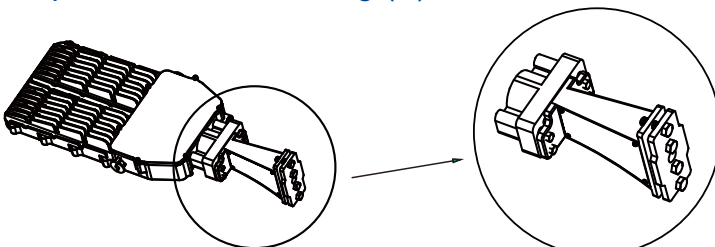
Adapter bracket &
Trunnion mountion kit
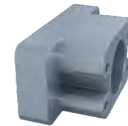
● Accessories

Adapter bracket

Trunnion mounting kit

● Option 3: Arm Mounting (A)
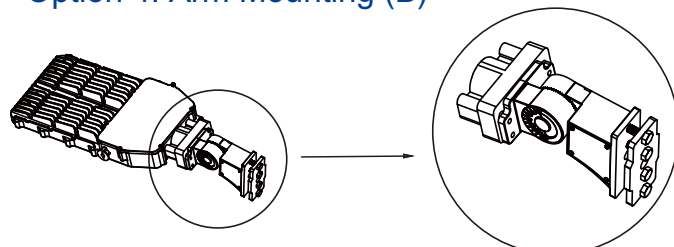
Adapter bracket &
Arm mounting kit A
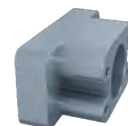
● Accessories

Adapter bracket

Arm mounting kit A

● Option 4: Arm Mounting (B)

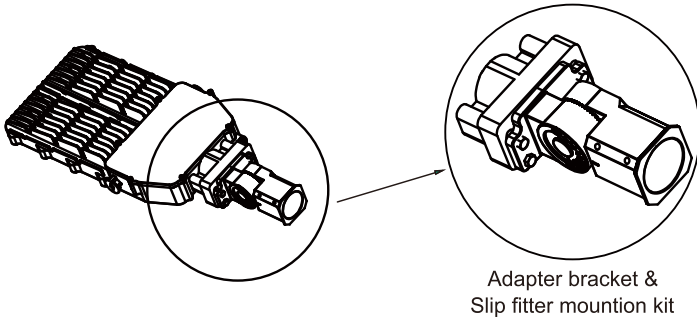Adapter bracket &
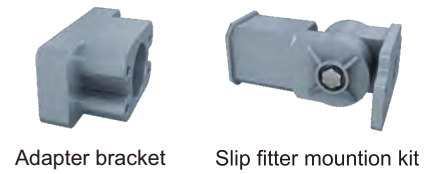Adjustable arm mountion kit B

● Accessories
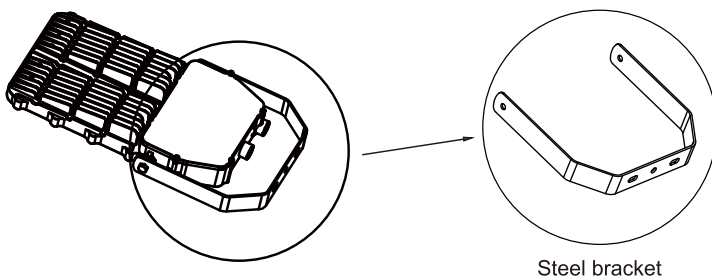
Adapter bracket

Adjustable arm
mounting kit B

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Mounting Methods and Accessories

● Option 5: Slip Fitter Mounting

Adapter bracket &
Slip fitter mountion kit

● Accessories

Adapter bracket   Slip fitter mountion kit

● Option 6: Bracket Mounting

Steel bracket

● Accessory

Steel bracket
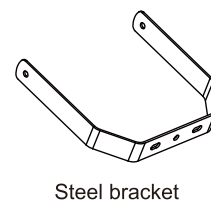
● Option 7: Stanchion Mounting

● Accessory

EX-Slip Fitter Mounting Kit

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