



# Explosion Proof Light STA Series



**Industrial Field & Hazardous Locations**

# Applications

## Oil and Gas industry

- All petroleum production and refining
- Petroleum loading and transportation
- Petroleum storage and retail
- LNG industry
- All mining operations and service

## Chemical industry

- All types of paint facilities
- Chemical production and storage

## Ocean, marine and aerospace field

- Ocean platform operation facilities and structure
- Aerospace clean room and production
- Ocean vessel operations

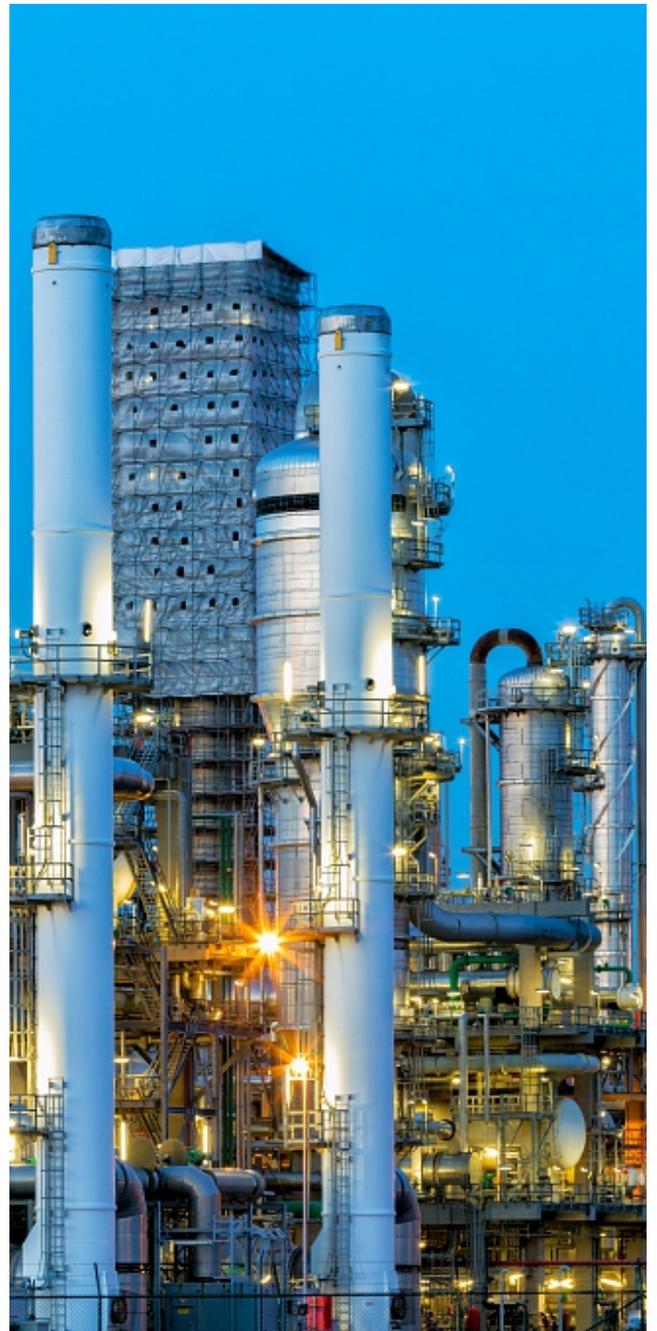
## Metal treatment

- Steel and aluminum factories
- Pumping stations in any environment
- Metal smelting, foundry and fabrication

## Food and alcohol industry

- Flour and fine particle production and storage
- Food and distilling production
- Alcohol industry

Other high humidity, high dust, high temperature, vapor locations

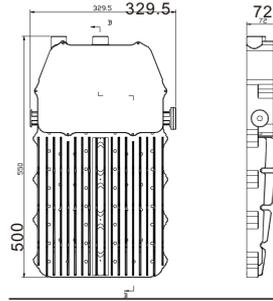


# Ordering Guide:

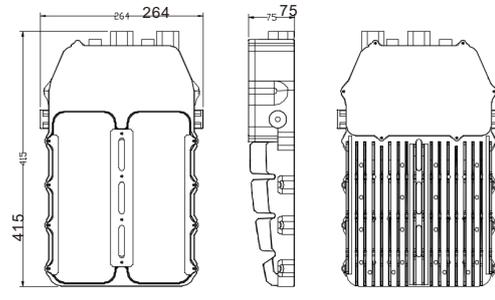
<b>EX</b>	<b>xxxW</b>	<b>STAx</b>	<b>Y</b>	<b>Z</b>	<b>D</b>	<b>A</b>
Explosion Proof	Wattage	Product Series	Sensor Options	Color	Beam Angle	Glass Type

## Dimension(mm):

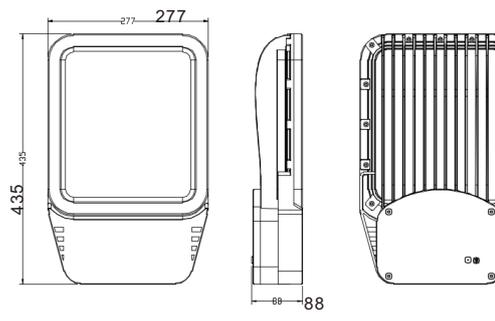
### EX-xxxW-STA1



### EX-xxxW-STA2



### EX-xxxW-STA3



## Description:

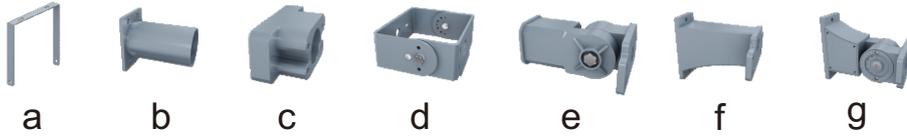
STA Series is an explosion proof street light, mainly used as factory or road lighting. It's suitable for explosive hazardous environments such as petroleum extraction, storage, chemical industry, medicine, military industry and military facilities. It is waterproof and dust-proof, without internal cleaning and maintenance. The lamp is made of explosion-proof joint surface, beautiful appearance, simple structure and easy installation, it will never corrode and rust in damp, high temperature and other harsh environments.

## Technical Specification:

Model NO.	EX-xxxW-STA1	EX-xxxW-STA2	EX-xxxW-STA3
Wattage	200W/250W	100W/150W	100W/150W/200W
UL844 Standard	Class I, Division 2 Groups A, B, C, D Class II, Division 1 Groups E, F, G Class II, Division 2 Groups F, G Class III UL1598 UL1598A		
Housing Material	ADC12 Aluminum + Tempered Glass		
Input Voltage	AC100-305V/ AC180-528V/ AC90-305V/ AC277-480V		
Lumen Efficiency	120-140 lm/W		
CCT	2700-7000K		
CRI	> 70		
Beam Angle	Type III '40°/60°/90°/120°		
Operation Temperature	-40°C/-40°F ~ 60 °C/140°F (10W-100W) ; -40°C/-40°F ~ 60 °C/140°F (100W-250W)		
IP Rating	IP66/IP67		
IK	09		
Dimming	0-10V		
Packing Size	500x329x72 mm 19.7x13x2.8 inch	415x264x75mm 16.3x10.4x3 inch	435x277x88mm 17.1x11x3.5 inch
Net Weight	9.5 kg/ 20.94 lbs	6.5 kg/ 14.33 lbs	7.3 kg/ 16.09 lbs
Gross Weight	10.5 kg/ 23.15 lbs	7.5 kg/ 16.53 lbs	8.3 kg/ 18.3 lbs

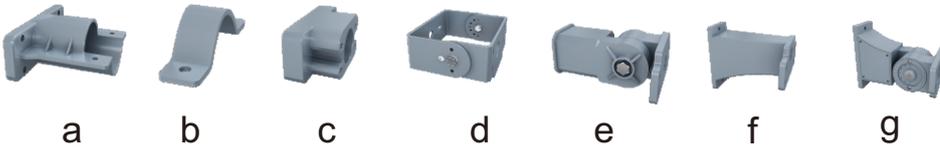
# Accessories & Mounting Kit:

EX-xxxW-STA1/2



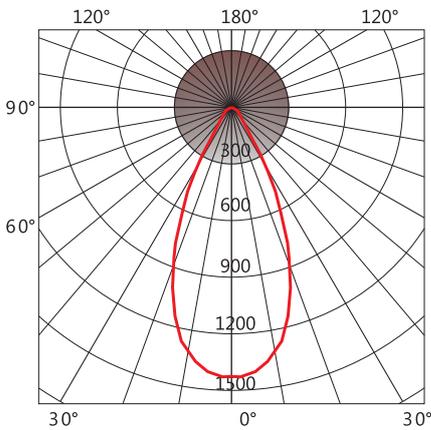
- a. Hardware mounting bracket
- b. Light pole mounting bracket
- c. Adapter bracket
- d. Trunnion mounting kit(TM)
- e. Slip fitter mounting kit(SF)
- f. Arm mounting kit A (AM-A)
- g. Adjustable arm mounting kit B(AM-B)

EX-xxxW-STA3

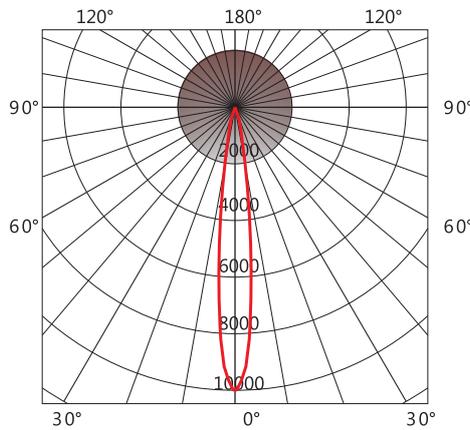


- a. Light pole Mounting bracket
- b. Hoop
- c. Adapter bracket
- d. Trunnion mounting kit(TM)
- e. Slip fitter mounting kit(SF)
- f. Arm mounting kit A (AM-A)
- g. Adjustable arm mounting kit B(AM-B)

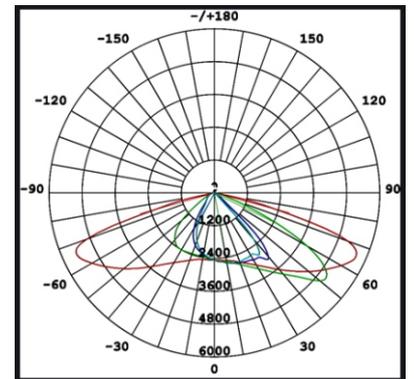
# Photometric Data:



Ratio of distance to height: 0.7



Ratio of distance to height: 0.23



Type III