SNOWBALL
LIGHTING INCORPORATED

SIGMALUX
COMMERCIAL LIGHTING

LED Explosion Proof Flood Light (EPLR01)

EPLR01 Series

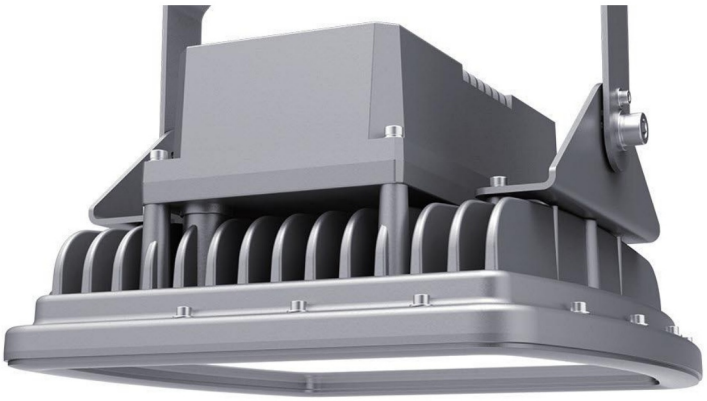
LED Explosion proof Flood Light



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LED Explosion Proof Flood Light (EPLR01)









EPLR01 SERIES
LED EXPLOSION PROOF FLOOD LIGHT

Product description

The housing is made of high-strength aluminum alloy + Tempered glass, with stronger vibration, impact resistance and excellent heat dissipation structure design. The efficiency and service life of the lamps can withstand high mechanical strength and temperature variations.The explosion-proof lamp has a variety of installation methods, emergency optional, and is very suitable for hazardous location lighting.

This series hazardous location LED floodlight adopts a sealed structure, which has high waterproof and anti-corrosion performance, and meets the UL1598A Marine Grade certification. It can be used in Class I, Division 2, Groups A, B, C and D hazardous location.

Features

- Patent designed to be Curved Fin Shape,maximize the best heat transmit.
- Aluminum alloy (ADC12).
- Lens -tempered glass shock & vibration resistant, Super clear, >90% light transmit.
- LED: LM80 certified,130 lm/W ±5， up to 24050lm.
- Meanwell LED Driver,>90% driver efficacy.
- Circuit design: 4KV/6KV Surge Protection power supply.
- Protection: IP67， high protection grade for waterproof and dust-proof.

Certification

NEC/CEC:

- Class I, Division 2, Groups A, B, C and D;
- T-Class: T6 for Models CES-J100 and CES-J40S, T5 for Model CES-J200;
- Damp and wet locations;
- Certification body：UL
- Certification Mark：CUL
- Certificate No：E475887

Standard :
US: UL 844; UL 1598;
Canada: CSA C22.2 No. 137;
CSA C22.2 No. 250.0;

Application

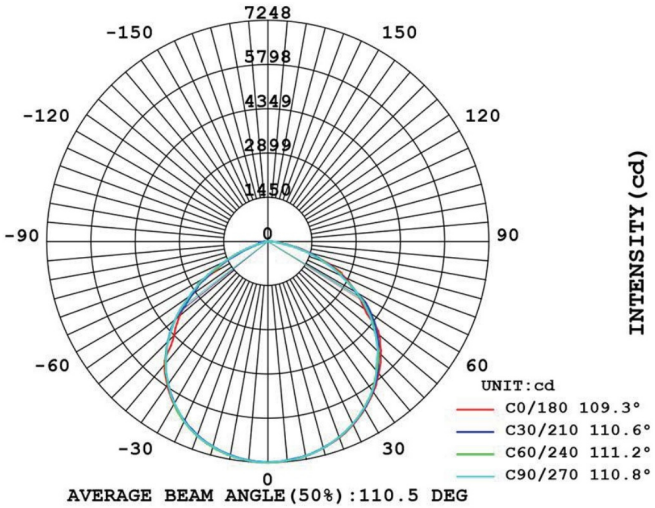
Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

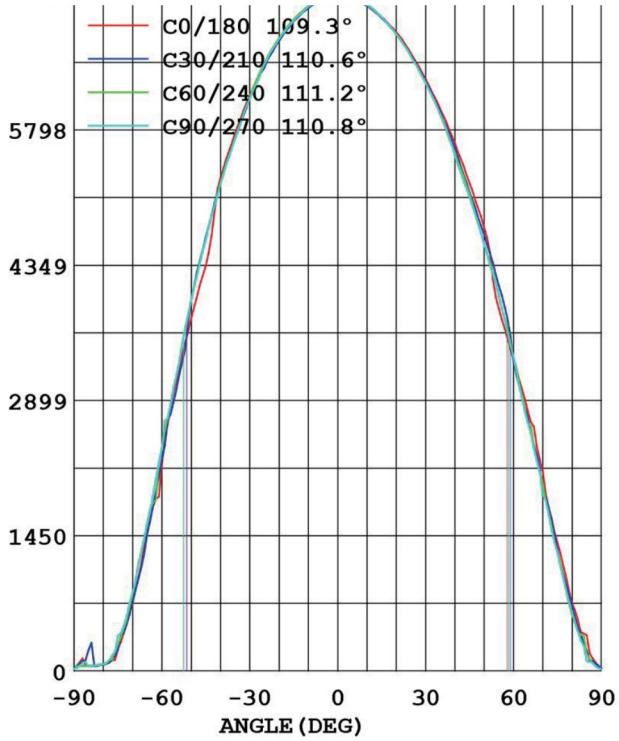
Warranty

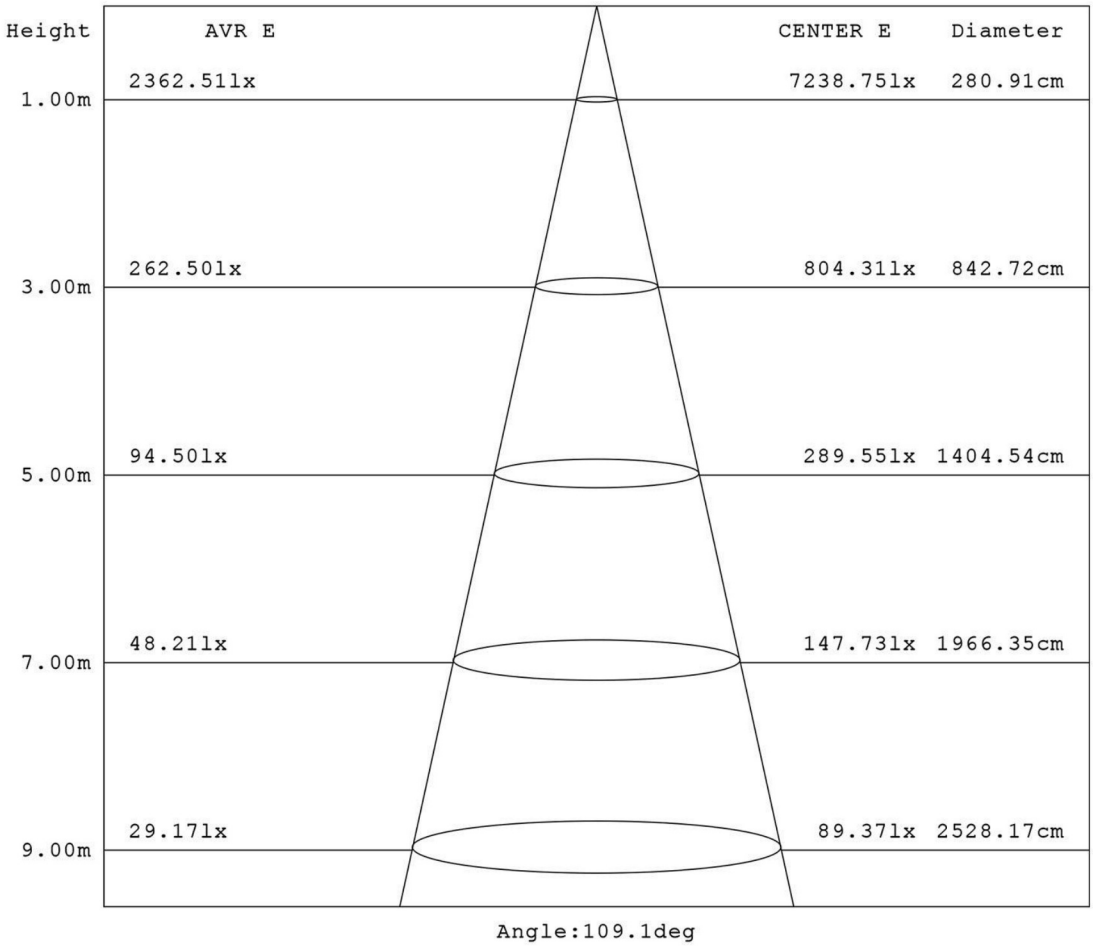
5-Year Standard Warranty

IP67

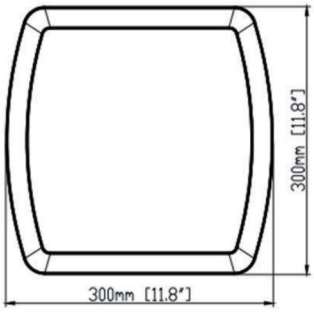
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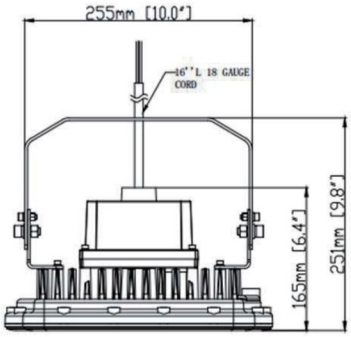




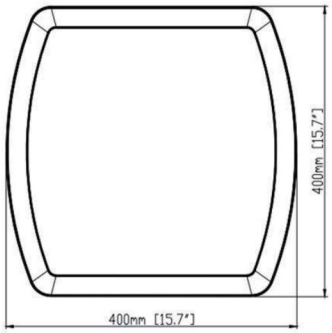


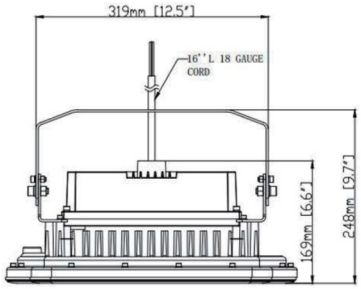
LED Explosion Proof Flood Light (EPLR01)





Product Model	Product Size	Carton Size	QTY/CTN	Net Weight	Gross Weight
EPLR01-100W	300×300×165mm(11.8×11.8×6.4)"	375×375×245mm(14.8×14.8×9.6)"	1	7 kg/16.5 lbs	9.0 kg/19.8 lbs





Product Model	Product Size	Carton Size	QTY/CTN	Net Weight	Gross Weight
EPLR01-185W	400×400×169mm(15.7×15.7×6.6)"	470×470×250mm(18.5×18.5×9.8)"	1	10.5 kg/23.1 lbs	12 kg/26.4 lbs

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LED Explosion Proof Flood Light (EPLR01)

Product Model	SB-EPLR01-40W-XX-XXK	SB-EPLR01-100W-XX-XXK	SB-EPLR01-185W-XX-XXK
Type	LED Explosion proof Flood Light		
Light efficiency (Lm/W)	130 lm/W		
Power(W)		100W	185W
Voltage-Frequency	100-277Vac 50-60Hz		
Color Temp	5000K		
CRI(Ra)(typ.)	≥70		
Luminous Flux (lm)		13000	24050
Beam Angle	120°		
Power Factor	>0.97		
Rated Lifetime-L70 (hrs.)	50,000		
THD	<10%		
Operating temperature	-40° C to + 40° C		
Entry Size	M25X1.5 (Standard), M26X1.5 or NPT 3/4"-14 (Optional)		
Cable	STOW, UL certification, 3x18AWG with 0.5m cable(standard)		

***Emergency optional:** Emergency power: 12W Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

Product display



Front



Side

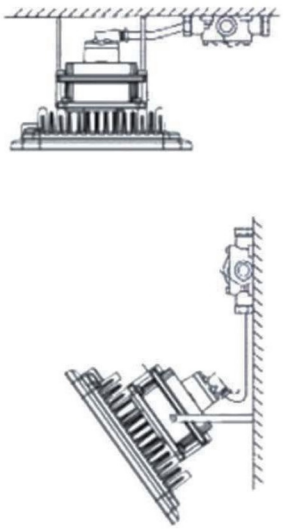


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LED Explosion Proof Flood Light (EPLR01)



E. U-Bracket Mounting