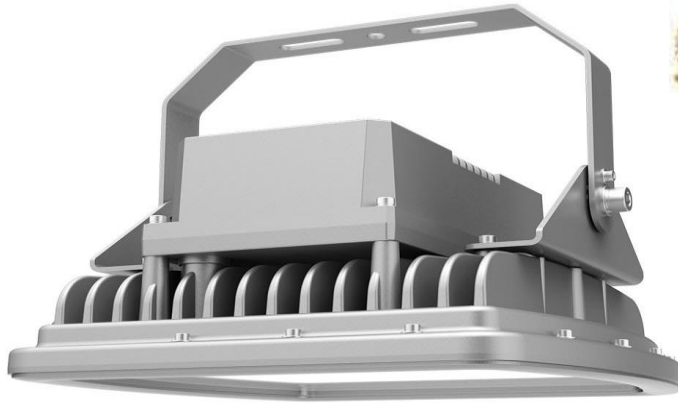




## PRODUCT DESCRIPTION

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 (8mm) shock & vibration resistant, Super clear, >90% light transmit.
- LED: LM80 certified, 130 lm/W  $\pm 5$ , 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 :

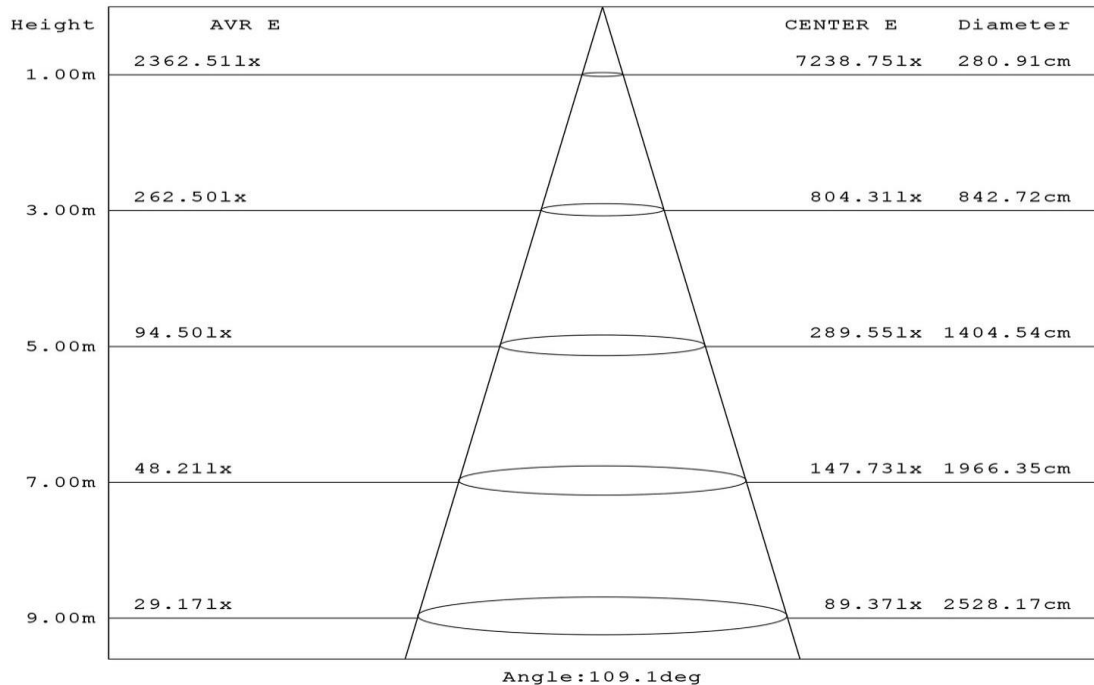
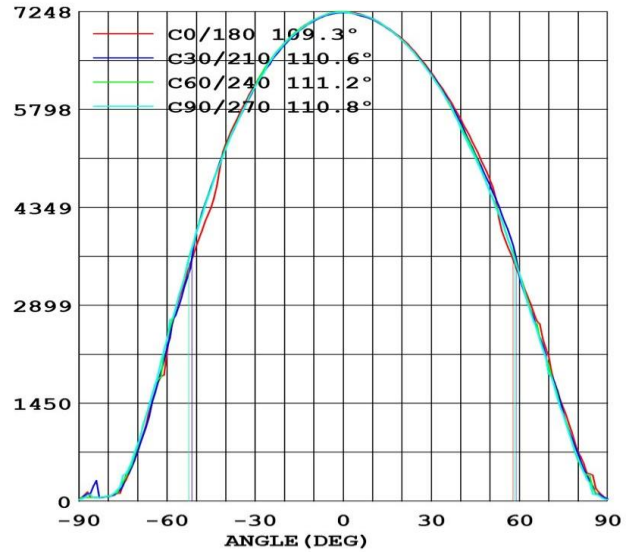
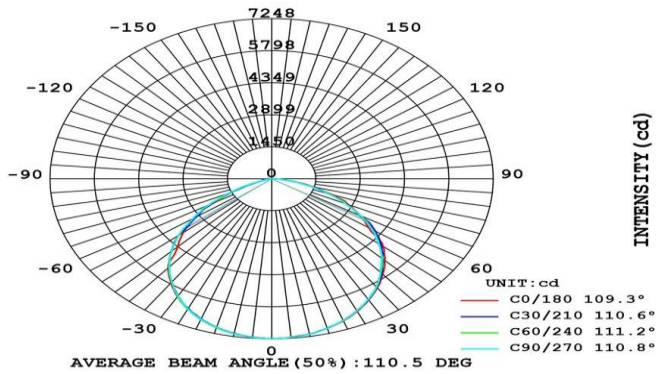
- US: UL 844; UL 1598;
- Canada: CSA C22.2 No. 137;
- CSA C22.2 No. 250.0;

## APPLICATION

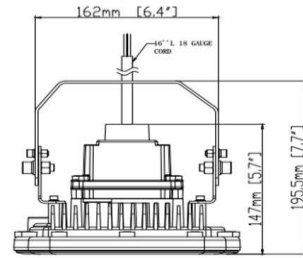
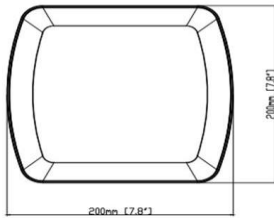
Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food plant, Pharmaceutical plant, beverage facilities, and where flammable vapors, gases, ignitable dusts, fibers or flyings are present.

5-Year Standard Warranty

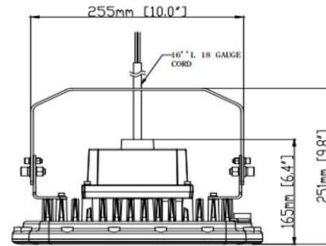
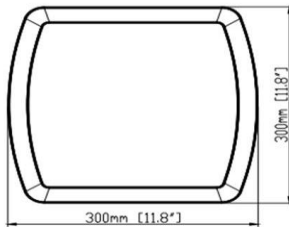
## LIGHTING DISTRIUTIO



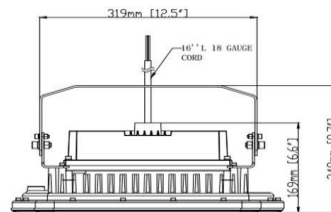
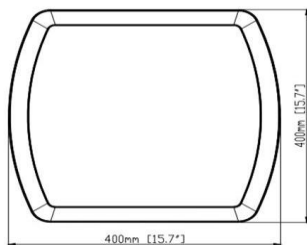
### SIZE AND PACKAGING



| Product Model | Product Size                    | Carton Size                   | QTY/CTN | Net Weight   | Gross Weight    |
|---------------|---------------------------------|-------------------------------|---------|--------------|-----------------|
| CES-J40S      | 200 × 200 × 147mm(7.8×7.8×5.7)" | 255 × 255 × 215mm(10×10×8.5)" | 1       | 4 kg/8.8 lbs | 5.0 kg/11.0 lbs |



| Product Model | Product Size                  | Carton Size                   | QTY/CTN | Net Weight    | Gross Weight    |
|---------------|-------------------------------|-------------------------------|---------|---------------|-----------------|
| CES-J100      | 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   |
|---------------|-------------------------------|-------------------------------|---------|------------------|----------------|
| CES-J200      | 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 |

## TECHNICAL PARAMETER

| Product Model             | CES-J40S                                                   | CES-J100         | CES-J200          |
|---------------------------|------------------------------------------------------------|------------------|-------------------|
| Type                      | LED Explosion proof Flood Light                            |                  |                   |
| Light efficiency (lm/W)   | 130 lm/W                                                   |                  |                   |
| Power(W)                  | 20W/30W/40W                                                | 60W/80W/100W     | 120W/150W/180W    |
| Voltage-Frequency         | 100-277Vac 50-60Hz                                         |                  |                   |
| Color Temp                | 5000K (Provides 3000K to 6500K)                            |                  |                   |
| CRI(Ra)(typ.)             | ≥90                                                        |                  |                   |
| Luminous Flux (lm)        | 2600/3900/5200                                             | 7800/10400/13000 | 15600/19500/24000 |
| Power Supply              | Meanwell HLG Series (Meanwell XLG Series for 200W)         |                  |                   |
| Beam Angle                | 15°, 60°, 90°, 108°, 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 1/2"-14 (Optional)      |                  |                   |
| Cable                     | STOW, UL certification, 3x18AWG with 0.5m cable (standard) |                  |                   |

\*Emergency optional: Emergency power: 12W Emergency time: ≥90min Battery: Li-Ion battery- 11.1V2500mAh

## PRODUCT DISPLAY



Front



Side

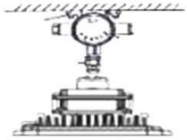


Back

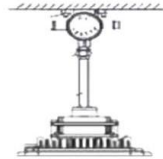


Top

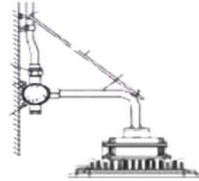
## INSTALLATIO METHOD



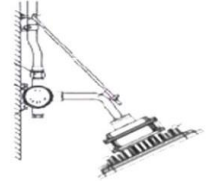
A. Ceiling Mount



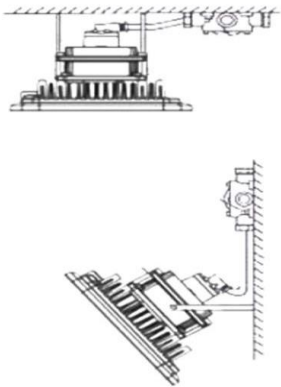
B. Drop Mounting



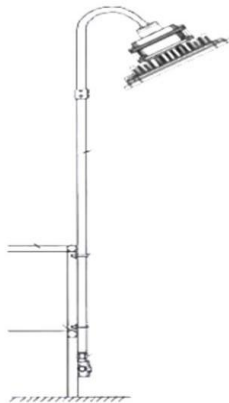
C. Wall Mount



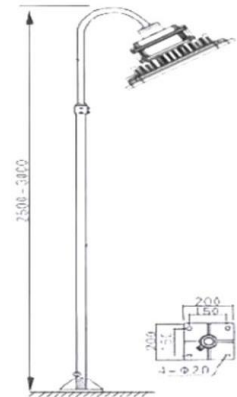
D. Wall Mount



E. U-Bracket Mounting



F. Pole Mount



G. Pole Mount