CES-J Series

LED Explosion proof Flood Light (Anti-corrosion)

SHENZHEN CESP CO., LTD
www.cespledex.com

LED EXPLOSION PROOF FLOOD LIGHT (ANTI-CORROSION)

CES-J Series

QUALIFICATION CERTIFICATES

Hazardous Locations & Marine Locations

- UL844 Hazardous Location

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

Cert NO.: E475887

-UL1598A Marine Outside Type (Saltwater)

Cert NO.: E495071

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SCOPE OF APPLICATION

Wastewater treatment, oil and gas refineries, drilling rigs, offshore platforms, petrochemical facilities, chemical plants, coal mines, aviation bases, food factories, pharmaceutical plants, beverage processing plants, and locations with the presence of flammable vapors, gases, combustible dust, fibers, or fumes.

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.

CES-J marine-grade LED lighting fixtures are coated with a non-metallic paint-like powder on the surface of the lamps , ensuring the flat&smooth appearance of the luminaries and enhancing corrosion resistance.

In addition, the mounting brackets and accessories are made of 304 stainless steel to protect the lamps from being eroded by long-term harsh salt water and atmospheric corrosion in the marine environment.

PRODUCT FEATURES

- The proprietary mold is designed with an arc-shaped fin structure to maximize heat dissipation efficiency.
- Housing: Aluminum alloy (ADC12).
- LED: 3030 LED, LM80 certified.
- Lens: Tempered glass, impact-resistant, vibration-resistant, ultra-high clarity, with a light transmittance of over 90%.
- Mean Well LED driver with >90% efficiency.
- Circuit design: 4KV/6KV surge protection.

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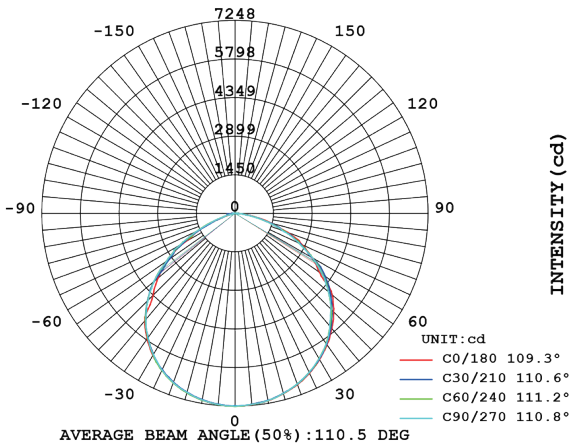
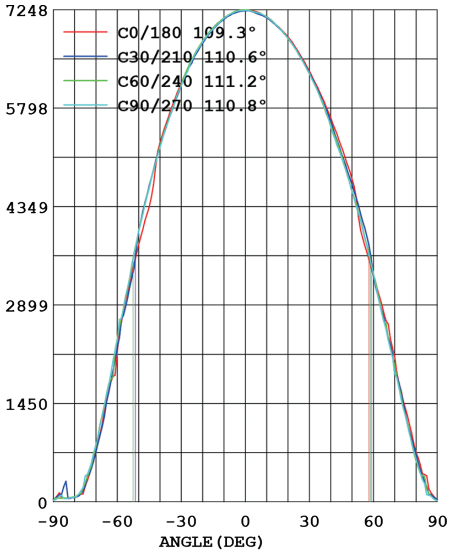
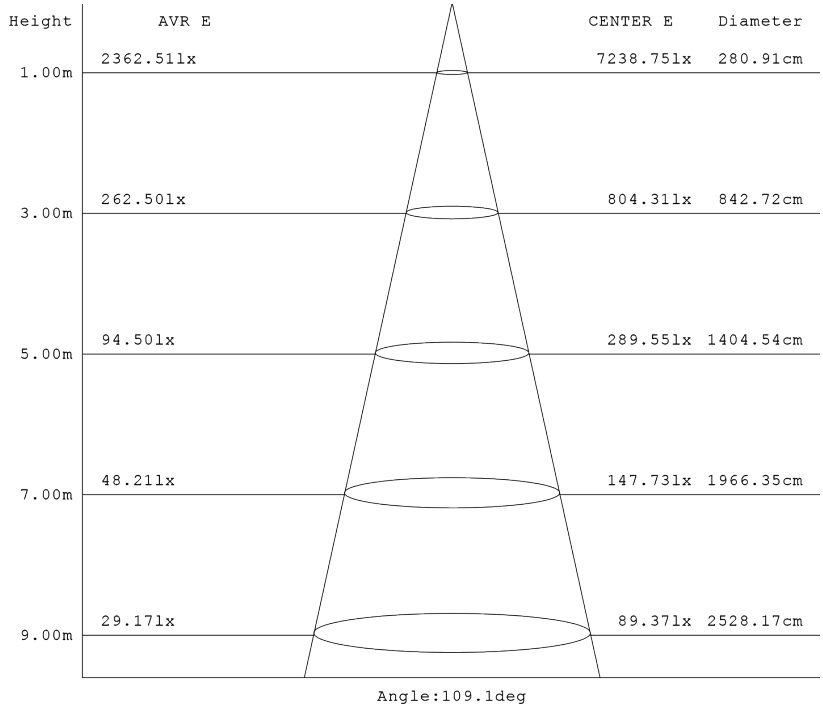
LIGHTING DISTRIBUTION







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CES-J Series

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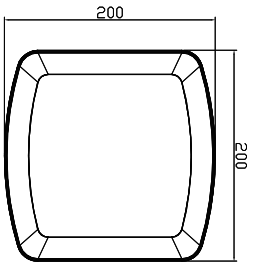
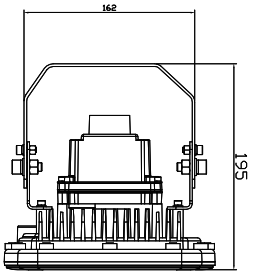
CES-J40S

Unit: mm



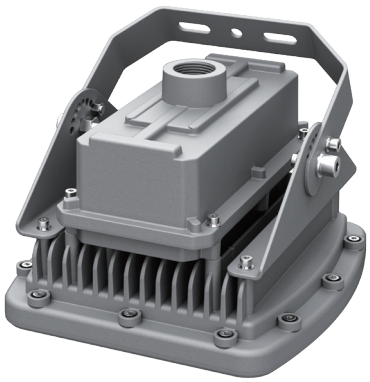


OVERALL DIMENSIONS

Product Size(mm)	200mm×200mm×195mm
Carton Size(mm)	255mm×255mm×215mm
QTY/CTN	1
Net Weight	4.0kg
Gross Weight	5.0kg

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	40W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	Meanwell LED Driver
Beam Angle	90°, 120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +55°C
Entry Size	3/4"-14 NPT
Cable	STOW, UL ceritified, 3x18AWG(Standard with 0.5m Cable)



***Emergency optional:** Emergency power: 12W

Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

Note: This product is sold without mounting bracket. The bracket shown in the drawings is for display purposes only and must be purchased separately.

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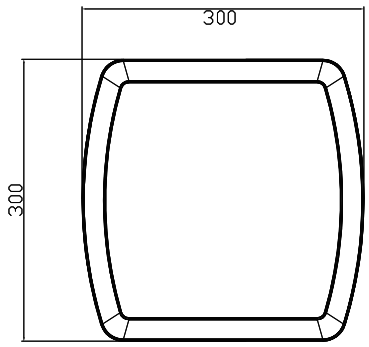
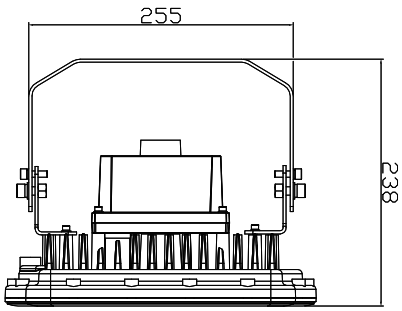
CES-J Series

LED Explosion proof Flood Light (Anti-corrosion)

CES-J100

Unit: mm





OVERALL DIMENSIONS

Product Size(mm)	300mm×300mm×238mm
Carton Size(mm)	375mm×375mm×245mm
QTY/CTN	1
Net Weight	7.0kg
Gross Weight	9.0kg

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	100W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	Meanwell LED Driver
Beam Angle	90°, 120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +55°C
Entry Size	3/4"-14 NPT
Cable	STOW, UL ceritified, 3x18AWG(Standard with 0.5m Cable)

***Emergency optional:** Emergency power: 12W

Emergency time: ≥90min Battery: Li-ion battery- 11.1V/2500mAH

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CES-J Series

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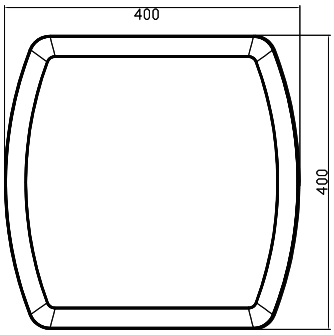
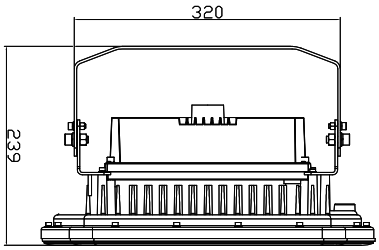
CES-J200

Unit: mm





OVERALL DIMENSIONS

Product Size(mm)	400mm×400mm×239mm
Carton Size(mm)	470mm×470mm×250mm
QTY/CTN	1
Net Weight	10.5kg
Gross Weight	12.0kg

TECHNICAL SPECIFICATIONS

Light efficiency (lm/W)	140 lm/W
Power (W)	200W
Voltage - Frequency	100-277Vac 50-60Hz
Color Temp	5000K (Provides 3000K to 6500K)
CRI (Ra) (typ.)	≥70
Power Supply	Meanwell LED Driver
Beam Angle	90°, 120°
Power Factor	>0.95
Rated Lifetime - L70 (hrs.)	>50,000
THD	<10%
Operating Temperature	-40°C ~ +55°C
Entry Size	3/4"-14 NPT
Cable	STOW, UL ceritified, 3x18AWG(Standard with 0.5m Cable)

***Emergency optional:** Emergency power: 12W

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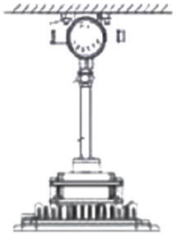
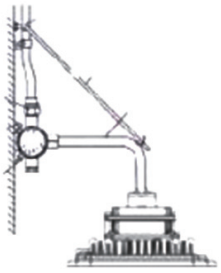
INSTALLATION MODE

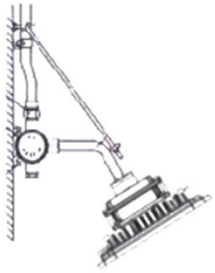
A.Ceiling mount



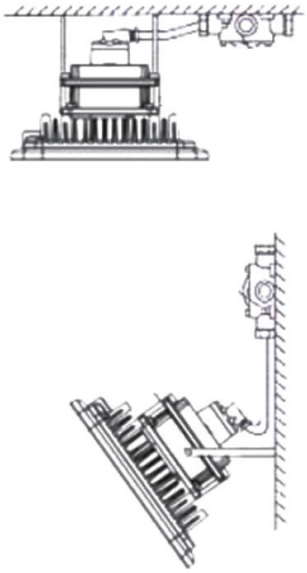
B.Drop mount



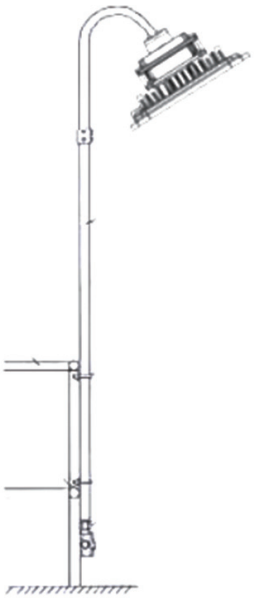
C.Wall Mount



D.Wall Mount



E. U-Bracket Mounting



F. Pole Mount

G. Pole Mount

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