

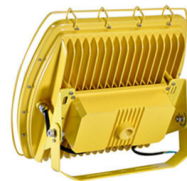
## LED Anti-explosive Lights

**UL844:** Class I Division 2 Group A B C D

**ATEX:** Group II Zone 1 & Zone 2, Zone21 & Zone22

**IECEX:** Group II Zone 1 & Zone 2, Zone21 & Zone22

**CNEX:** Group II Zone 1 & Zone 2, Zone21 & Zone22



## FEATURES

- 1.High Efficacy low decay 700MA LED chip
- 2.High heat transmit die cast housing ADC12 aluminum, patent design, IP68
- 3.Shock and vibration resistant tempered glass, super clear 95% light transmit rate
- 4.Anti-glare.Scientific optical reflector design, making the light more focus,even, comfortable for eyes
- 5.Original Bridgelux LED source,high luminous efficacy and long lifespan
- 6.MEANWELL HLG series driver, the highest level of MEANWELL driver
- 7.Surface treatment-Powder painted, salt resistant and chemical resistant, also hard for dust to accumulate on the surface
- 8.2.0mm aluminum PCB with heat index 2.5, keep LED working under cool temperature
- 9.Working temperature: -30°C to 50°C.

Certification: ATEX, UL, CUL, DLC, PSE, SAA&C-TICK, CQC, CE, ROHS, IP68

## APPLICATIONS

1. Suitable for gas station, petroleum and chemical industries, coal mine, military, airport, warehouse, marine etc.
2. Zone1 & Zone2 gaseous environment, and Zone21 & Zone22 dust environment.
3. Class I Division 2 Group A, B, C, D



**Chemical Factory**



**Offshore Oil Mining**



**Military Ship**



**Army Base**



**Gas Station**



**Petrol Process Factory**



**Traning Camp**

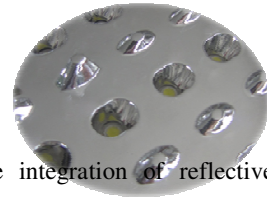


**Navy Port**

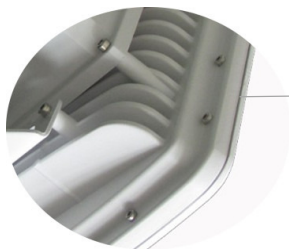
## DETAILS



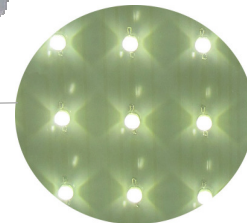
UL TUV CB EMC CE certified MW HLG series power driver, IP67 protective level.



The integration of reflective optical design, install directly in the light body, make the light more focus and comfortable for eyes.



High pressure die casting alloy aluminum housing, create through high pressure (1600 ton) in one piece, high explosion proof level and IP68 waterproof protection.



LED chip with 2.0mm thick Aluminum PCB board installed directly onto Aluminum Shell. As a result, the whole lamp is integrated as a radiator for the LED chips. Besides, the distance of LEDs are good enough for spreading heat, to ensure long lifespan, and with special circuit design, each LED chip won't affect the others when fail to work, so the lamp will keep working even if some LED chips stopped.

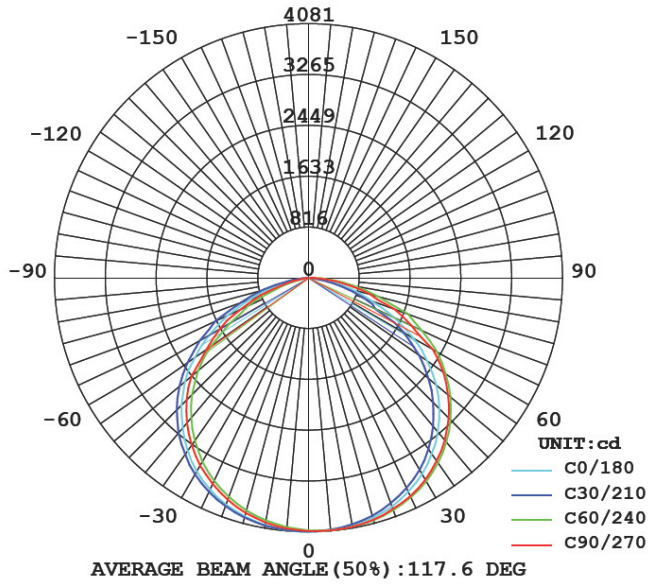


## TECHNICAL SPECIFICATION

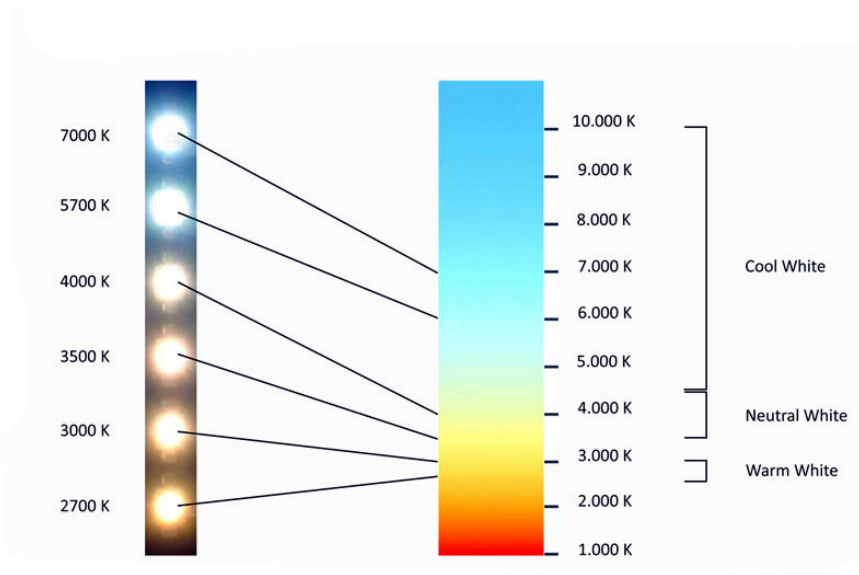
Item No	Product Specification			Certificate for Europe	Certificate for US & Canada	Certificate for Pacific
	Rated Power	Size(mm)	Beam			
			Angle			
CES-J200	200W	400*400*185mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL844	IECEX /CNEX
CES-J150	150W	400*400*185mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL845	IECEX /CNEX
CES-J120	120W	400*400*185mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL845	IECEX /CNEX
CES-J100	100W	300*300*175mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL844	IECEX /CNEX
CES-J80	80W	300*300*175mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL844	IECEX /CNEX
CES-J60	60W	300*300*175mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL845	IECEX /CNEX
CES-J40S	40W	200*200*270mm	120°x120°	ATEX/CE /ROHS	UL/CUL/DLC/UL844	IECEX /CNEX

LED Specification						Driver Specification				
Item No.	LED QTY	Lumens	Lumen	CCT	CRI	Input V	Input Current	PF	THD	Type
			Lm/W							
CES-J200	156 pcs	21645	117Lm/W	2700-6500K	>70	AC100-277V	350mA	>0.98	<10%	HLG MEANWELL Driver with IP68 protective Aluminum Housing
CES-J150	144 pcs	17550								
CES-J120	96 pcs	14040								
CES-J100	84 pcs	11700								
CES-J80	60pcs	9360								
CES-J60	48pcs	7020								
CES-J40S	24pcs	4680								

## PHOTOMETRIC CURVE



## COLOR TEMPERATURE



120°x120° (40W/100W/185W)

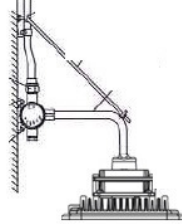
## INSTALLATION



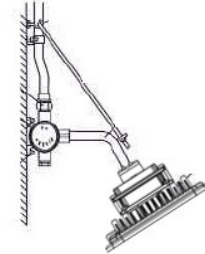
A. Ceiling Mount



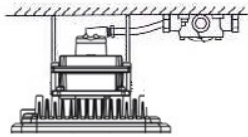
B. Drop Mounting



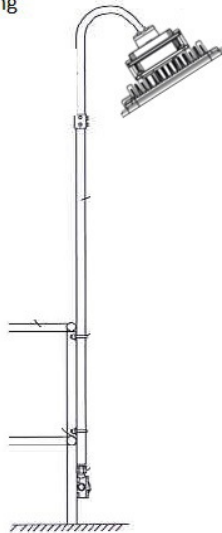
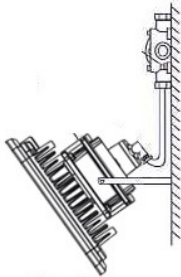
C. Wall Mount



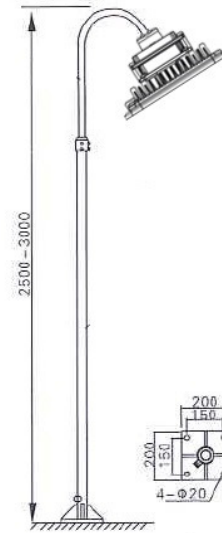
D. Wall Mount



E. U-Bracket Mounting



F. Pole Mount

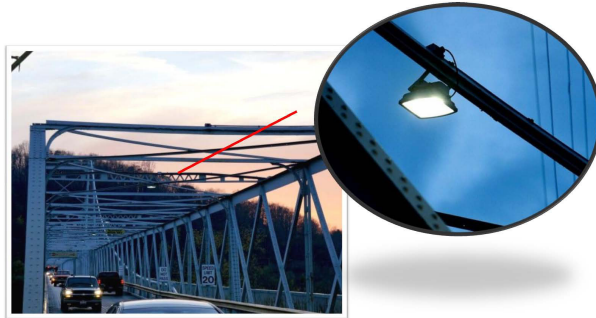


G. Pole Mount

- Fixture is equipped with Bracket
- Connection outlet conduit: 3/4" NPT
- Conduit and pole are not included in products.
- All installation must conduct by qualify electrician.
- Seal must be placed in each conduit

## MOUNTING KITS OPTIONS

### 1. U shaped bracket



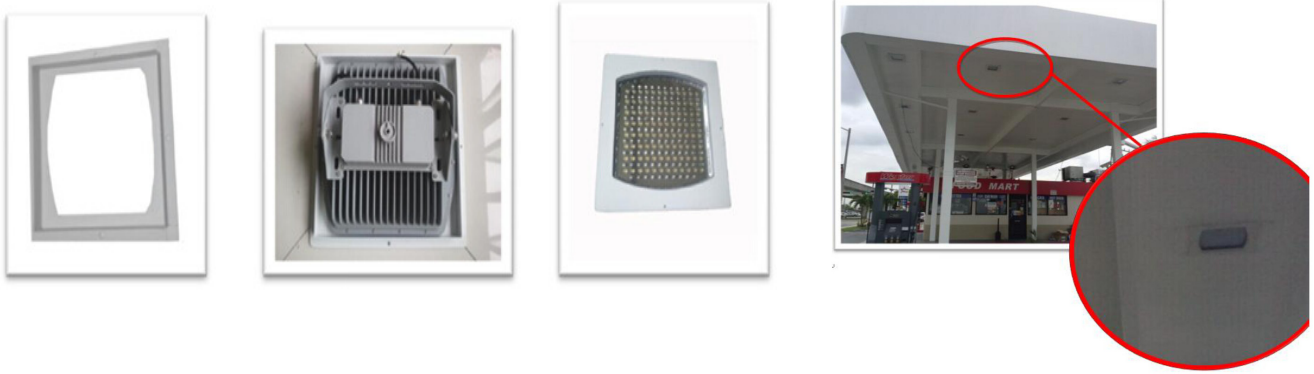
### 2. Adjustable Wall/Ceiling Mount Plate



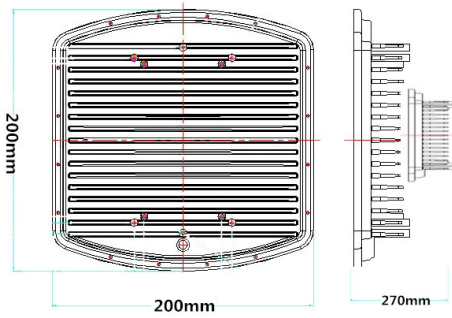
### 3. High bay mount hook



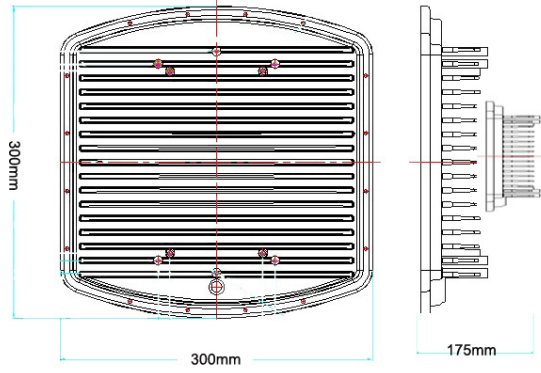
4. Recessed mount holder



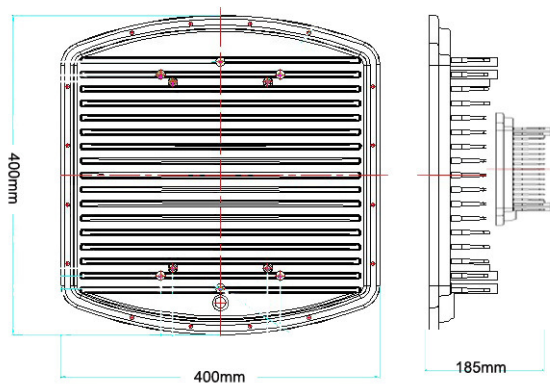
**Dimensions**



CES-J40S



CES-J60 - J100



CES-J120 - J200