

# LED Explosion Proof Lights

ATEX/UL844/IECEEx explosion proof certified



## FEATURES

1. ATEX Zone1&Zone21, UL844 class I division 2 and IECEx explosion proof.
2. High heat transmit rate die cast housing ADC12 aluminum, patent design.
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 coating, salt resistant and chemical resistant, also prevent dust from accumulating on the surface.
8. 2.0mm aluminum PCB with heat index 2.5, keep LED working under cool temperature.
9. Working temperature: -40° C to 50° C.

Certification:

ATEX, UL, CUL, DLC, UL844, CUL844, PSE, SAA&C-TICK, CQC, CE, ROHS, IECEx

## APPLICATIONS

1. Suitable for gas station, petroleum and chemical industries, coal mine, military, airport, warehouse, marine etc.
2. Zone1 , Class I division 2 gaseous environment, and Zone21 dust environment.



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, 7 years warranty.



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

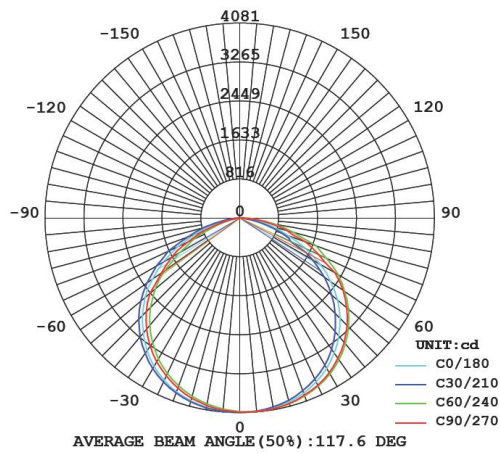


High pressure die casting alloy aluminum housing, create through high pressure(1600 ton) in one piece, high explosion proof level and IP67 waterproof protection.

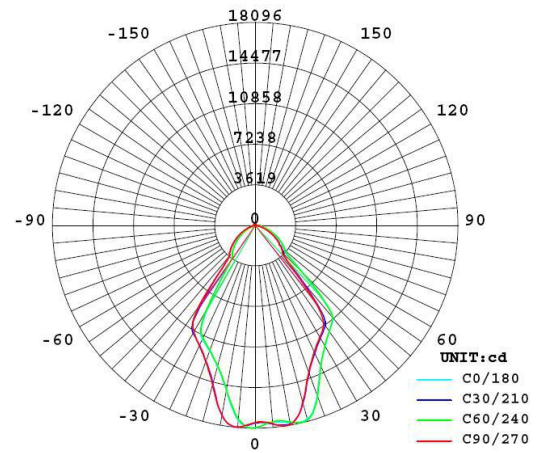
LED chip with 2.0mm thick Aluminum PCB board installed directly onto Aluminum Shell. As a result, the whole lamp is integrated as a radiator for the LED chips. Besides, the distance of LEDs are good enough for spreading heat, to ensure long lifespan, and with special circuit design, each LED chip won't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

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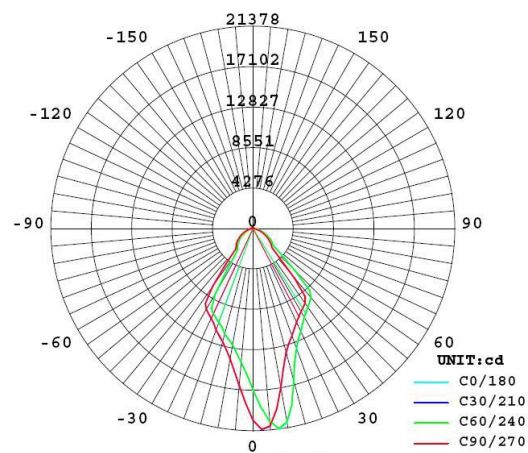
## PHOTOMETRIC CURVE



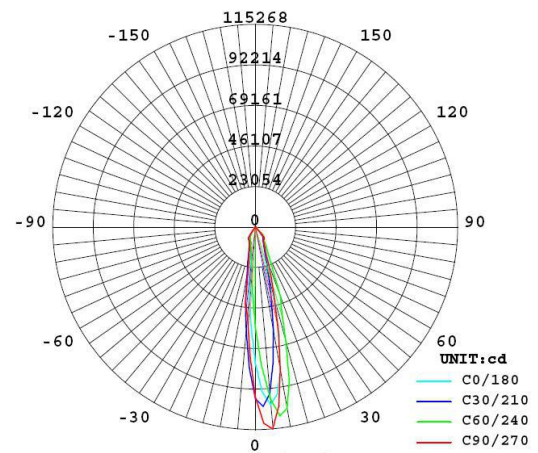
120° beam angle



60° beam angle



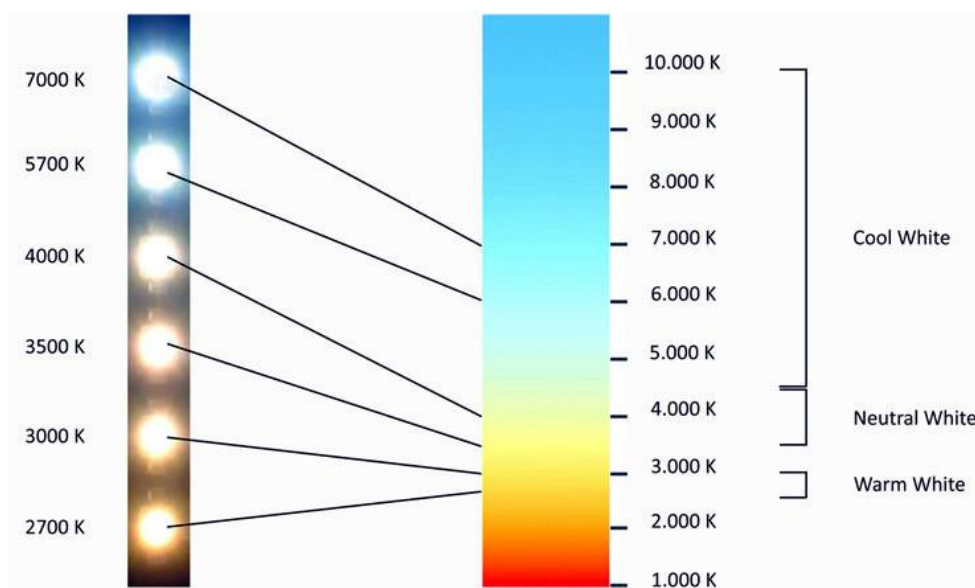
45° beam angle



15° beam angle



## COLOR TEMPERATURE

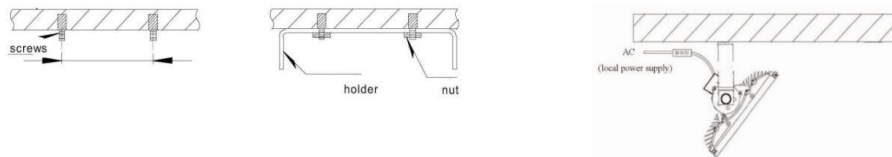


## INSTALLATION METHODS

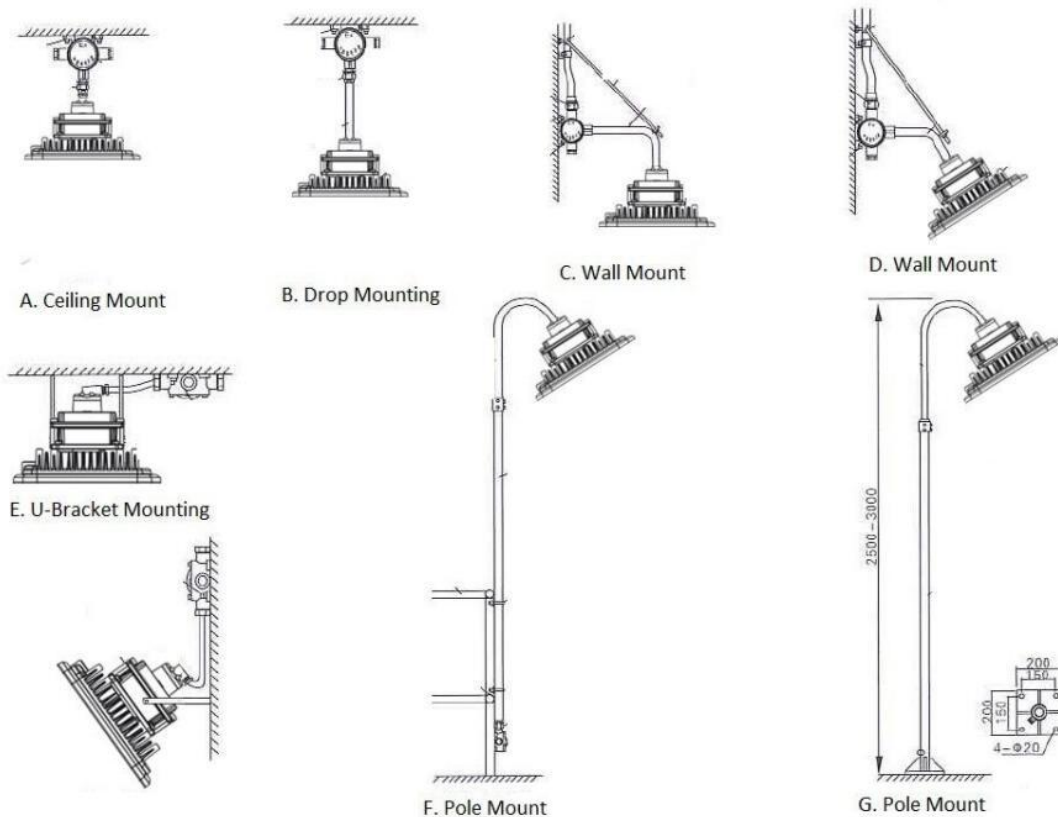
### 1. Installation with U shaped bracket (Common standard)

#### CES-J series: Standard Bracket

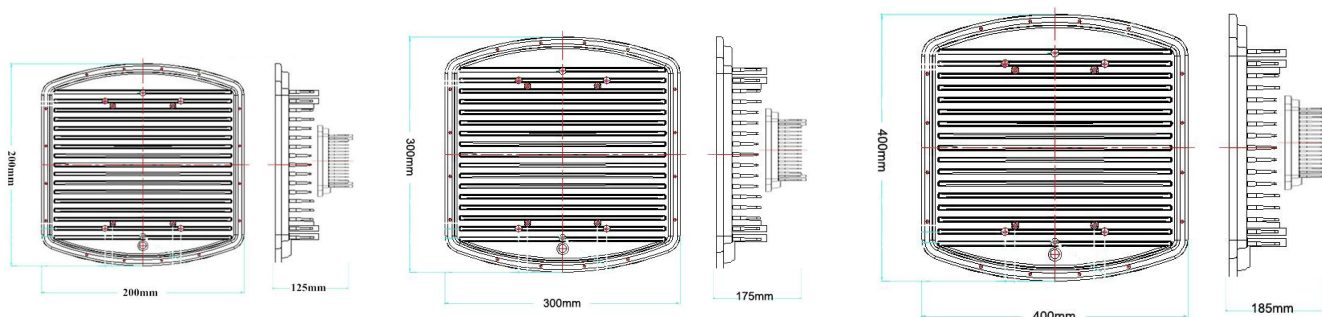
- Fix 2 M10 screws on the wall according to the distance between the holes of the bracket.
- Install the bracket on the screws and then fasten it with the nut.
- Fix the position of the lamp
- Place the lamp cord into the pole; connect the wire to local power supply (AC100-277V).



### 2. Installation with 3/4" NPT (US standard)



## Drawings



30W-40W

50W-100W

120W-185W

## Packing Information

Item No.	Outside Carton	QTY/CTN	N.W.	G.W.
CES-J200	460x460x240mm	1	11.5kgs	12.5kgs
CES-J150	460x460x240mm	1	11.5kgs	12.5kgs
CES-J120	460x460x240mm	1	11.5kgs	12.5kgs
CES-J100	370x370x240mm	1	7.5kgs	8.5kgs
CES-J80	370x370x240mm	1	7.5kgs	8.5kgs
CES-J60	370x370x240mm	1	7.5kgs	8.5kgs
CES-J40S	250*250x230mm	1	3.5kgs	4.1kgs
CES-J30	250*250x230mm	1	3.5kgs	4.1kgs



## CAUTION

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1. Read the Manual carefully before installing
2. To avoid risk of explosion and electric shock, the product must be installed, inspected and maintained by a professional electrician.
3. Be sure the electricity is off before installing or maintaining the light
4. The input voltage must not exceed the limit of the range AC100-277V
5. Working temperature must not exceed the limit of the range -40° C to 50° C.

If you have any question, please contact:

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