

LED Explosion Proof Lights

ATEX/UL844/IECEx 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:

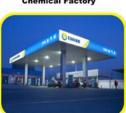
ATEX, UL, CUL, DLC, UL844, CUL844, PSE, SAA&C-TICK, CQC, CE, ROHS, IECEX

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



Gas Station



Offshore Oil Mining



Petrol Process Factor



Military Ship



Traning Camp



Army Base



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.

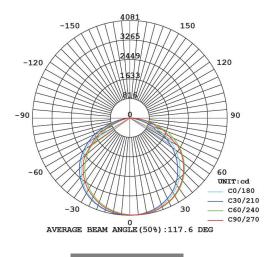


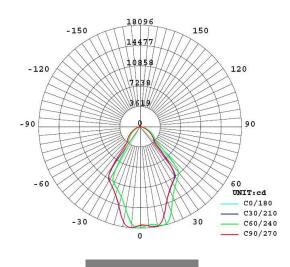
TECHNICAL SPECIFICATION

		Specificati									
Item No	Rated Power	Dimension (mm)		Beam Angle		IP Rating	Certificates				
CES-J200	185W	400*40	0*185mm	120°/90°/60	°/45°/15°	IP67					
CES-J150	150W	400*40	0*185mm	120°/90°/60	°/45°/15°	IP67					
CES-J120	120W	400*400*185mm		120°/90°/60°/45°/15°		IP67					
CES-J100	100W	300*300*175m		120°/90°/60°/45°/15°		IP67	ATEX/CE/ROHS				
CES-J80	80W	300*30	0*175mm	120°/90°/60	°/45°/15°	IP67	UL1598/UL844/CUL844/DLC premium		/DLC premium		
CES-J60	60W	300*30	0*175mm	120°/90°/60	°/45°/15°	IP67	IECEx/SAA/C-TICK/PSE				
CES-J40S	40W	200*20	0*125mm	120°/90°/60°/45°/15°		IP67					
CES-J30	30W	200*20	200*200*125mm 120°/90°/60°		°/45°/15°	IP67					
	LED Specification						Driver Specification				
Item No.	LED	LM	Efficacy Lm/W	ССТ	CRI	Input V	Current	PF	THD	Туре	
CES-J200	Bridgelux	24000m	120Lm/W		>70Ra	AC100-277V ~50/60Hz	350mA	>0.98	<10%	MEANWELL driver with IP68 protective Aluminum Housing	
CES-J150	Bridgelux	18000lm	120Lm/W	White:5700 -6500K			350mA	>0.98	<10%		
CES-J120	Bridgelux	14400lm	120Lm/W	Natural White:3700 -5000K			350mA	>0.98	<10%		
CES-J100	Bridgelux	12000lm	120Lm/W				350mA	>0.98	<10%		
CES-J80	Bridgelux	9600lm	120Lm/W	Warm White:2700 -3500K			350mA	>0.98	<10%		
CES-J60	Bridgelux	7200lm	120Lm/W				350mA	>0.98	<10%		
CES-J40S	Bridgelux	4800lm	120Lm/W				350mA	>0.98	<10%		
CES-J30	Bridgelux	3600lm	120Lm/W				350mA	>0.98	<10%		

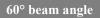


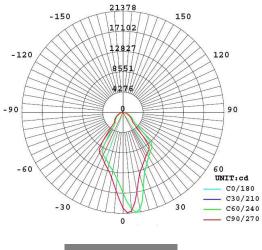
PHOTOMETRIC CURVE

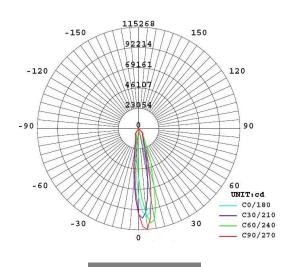




120° beam angle





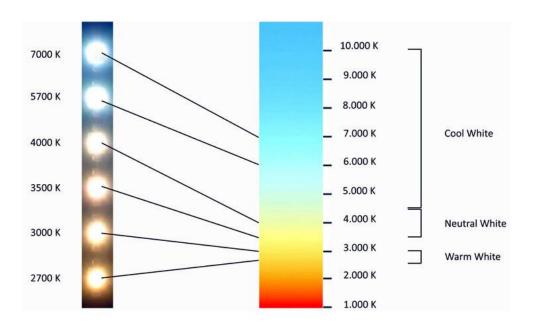


45° beam angle

15° beam angle



COLOR TEMPERATURE



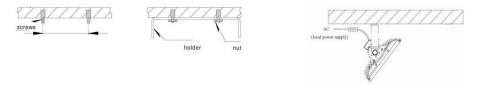


INSTALLATION METHODS

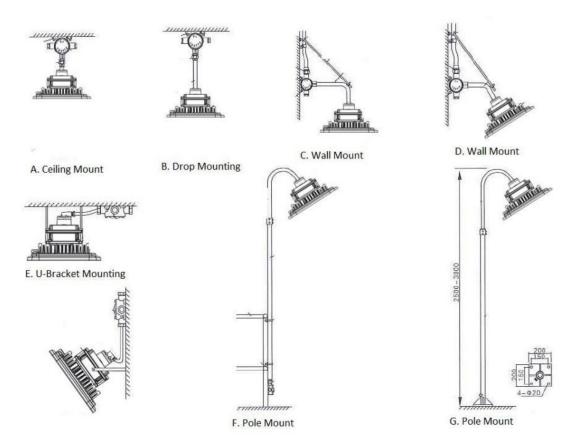
1. Installation with U shaped bracket (Common standard)

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).

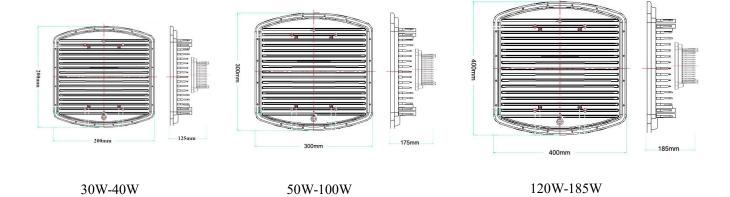


2. Installation with 3/4' NPT (US standard)





Drawings



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						

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CAUTION

- 1.Read the Manuel 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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