



Explosion Proof LED Floodlights

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.

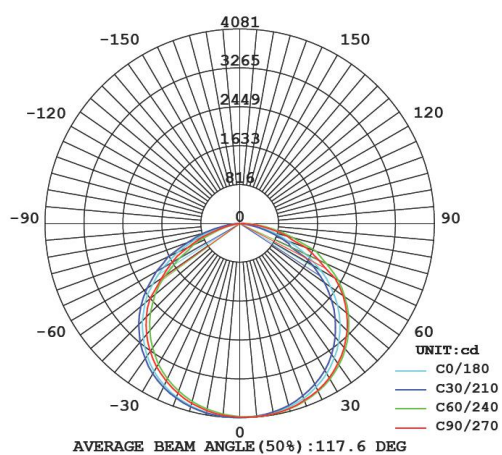


LED chip with 2.0mm thick Aluminum PCB board installed directly onto Aluminum Shell. As a result, the whole lamp is integrated as a radiator for the LED chips. Besides, the distance of LEDs are good enough for spreading heat, to ensure long lifespan, and with special circuit design, each LED chip won't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

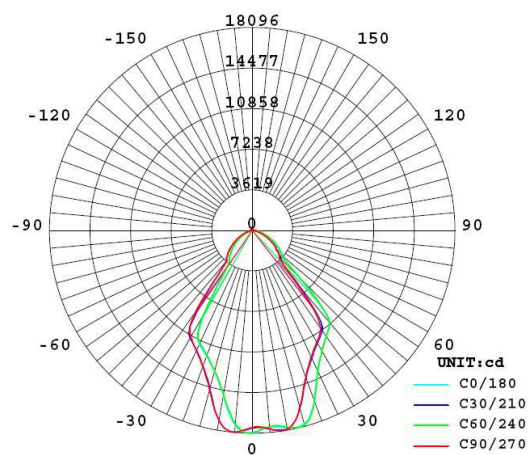
TECHNICAL SPECIFICATION

Item No	Product Specification				Certificates					
	Rated Power	Dimension (mm)	Beam Angle	IP Rating						
X-FL-200W	185W	400*400*185mm	120°/90°/60°/45°/15°	IP67	ATEX/CE/ROHS UL1598/UL844/CUL844/DLC premium IECEX/SAA/C-TICK/PSE					
X-FL-150W	150W	400*400*185mm	120°/90°/60°/45°/15°	IP67						
X-FL-120W	120W	400*400*185mm	120°/90°/60°/45°/15°	IP67						
X-FL-100W	100W	300*300*175m	120°/90°/60°/45°/15°	IP67						
X-FL-80W	80W	300*300*175mm	120°/90°/60°/45°/15°	IP67						
X-FL-60W	60W	300*300*175mm	120°/90°/60°/45°/15°	IP67						
X-FL-40W	40W	200*200*125mm	120°/90°/60°/45°/15°	IP67						
X-FL-30W/20W	30W/20W	200*200*125mm	120°/90°/60°/45°/15°	IP67						
LED Specification						Driver Specification				
Item No.	LED	LM	Efficacy	CCT	CRI	Input V	Current	PF	THD	Type
			Lm/W							
X-FL-200W	Bridgelux	24000m	120Lm/W	Cool White:5700 -6500K	>70Ra	AC100-277V ~50/60Hz	350mA	>0.98	<10%	MEANWELL driver with IP68 protective Aluminum Housing
X-FL-150W	Bridgelux	18000lm	120Lm/W				350mA	>0.98	<10%	
X-FL-120W	Bridgelux	14400lm	120Lm/W	Natural White:3700			350mA	>0.98	<10%	
X-FL-100W	Bridgelux	12000lm	120Lm/W				-5000K	350mA	>0.98	
X-FL-80W	Bridgelux	9600lm	120Lm/W	Warm White:2700 -3500K			350mA	>0.98	<10%	
X-FL-60W	Bridgelux	7200lm	120Lm/W				350mA	>0.98	<10%	
X-FL-40W	Bridgelux	4800lm	120Lm/W				350mA	>0.98	<10%	
X-FL-30W	Bridgelux	3600lm	120Lm/W				350mA	>0.98	<10%	
X-FL-20W	Bridgelux	2400lm	120Lm/W				350mA	>0.98	<10%	

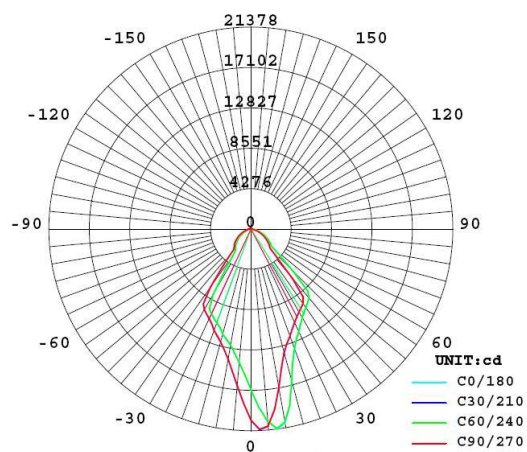
PHOTOMETRIC CURVE



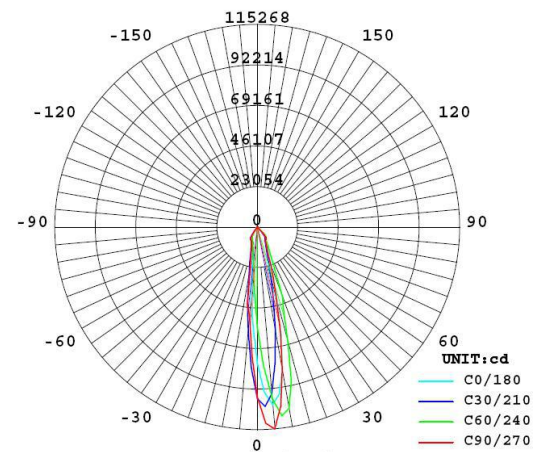
120° beam angle



60° beam angle

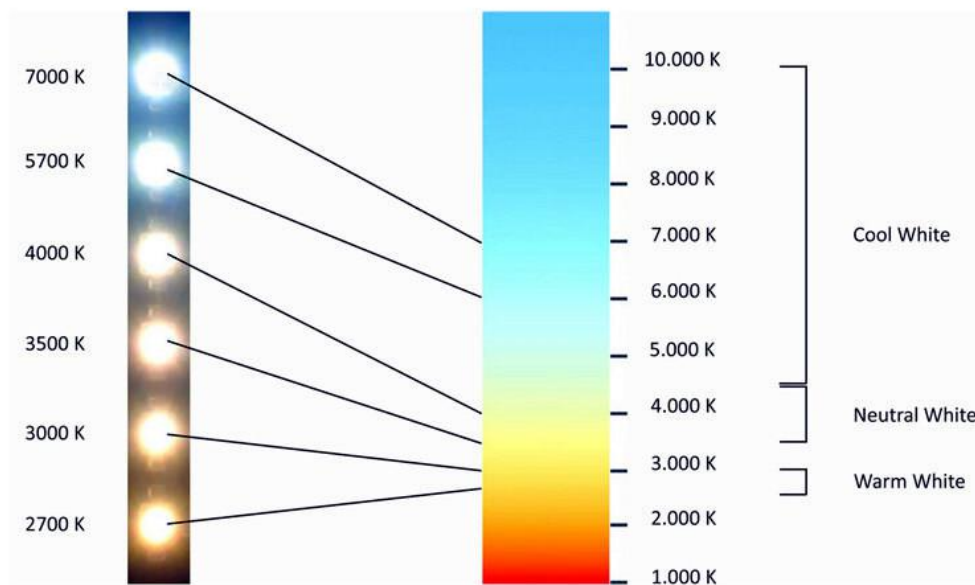


45° beam angle



15° beam angle

COLOUR TEMPERATURE

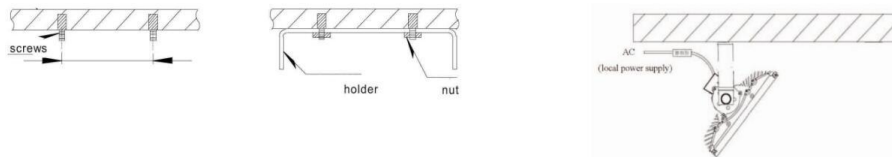


INSTALLATION METHODS

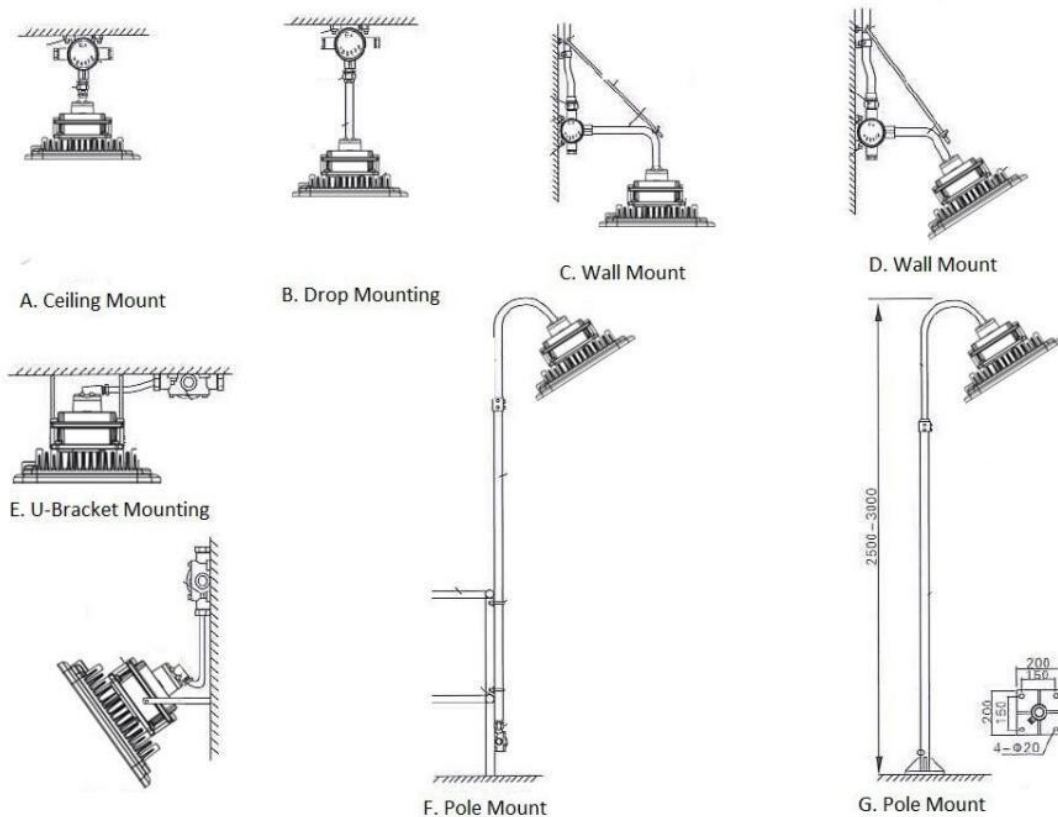
1. Installation with U shaped bracket (Common standard)

CES-J series: Standard Bracket

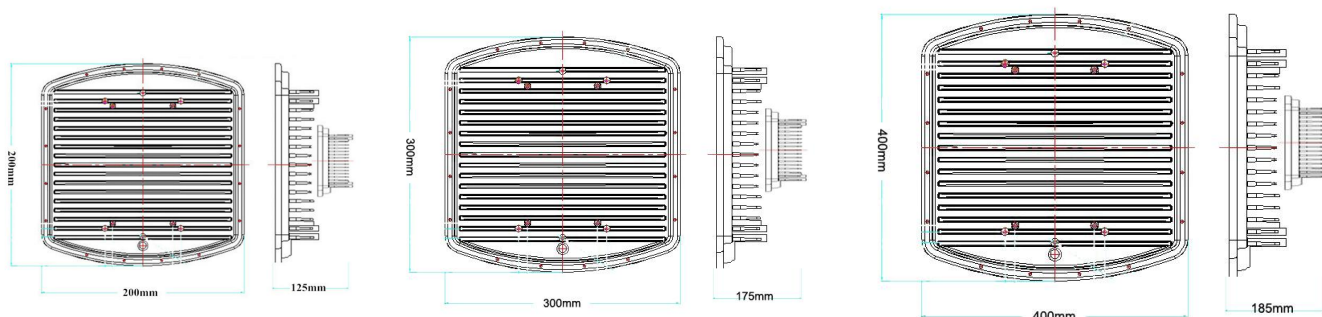
- Fix 2 M10 screws on the wall according to the distance between the holes of the bracket.
- Install the bracket on the screws and then fasten it with the nut.
- Fix the position of the lamp
- Place the lamp cord into the pole; connect the wire to local power supply (AC100-277V).



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



Drawings



10W-20W-30W-40W

60W-80W-100W

120W-150W-200W

Packing Information				
Item No.	Outside Carton	Qty/Ctn	N.W.	G.W.
X-FL-200W	460x460x240mm	1	11.5kgs	12.5kgs
X-FL-150W	460x460x240mm	1	11.5kgs	12.5kgs
X-FL-120W	460x460x240mm	1	11.5kgs	12.5kgs
X-FL-100W	370x370x240mm	1	7.5kgs	8.5kgs
X-FL-80W	370x370x240mm	1	7.5kgs	8.5kgs
X-FL-60W	370x370x240mm	1	7.5kgs	8.5kgs
X-FL-40W	250*250x230mm	1	3.5kgs	4.1kgs
X-FL-30W	250*250x230mm	1	3.5kgs	4.1kgs
X-FL-10W/20W	250*250x230mm	1	3.5kgs	4.1kgs

CAUTION

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.