



LED Explosion Proof Linear Lights

ATEX/UL844/IECEX explosion proof



FEATURES

1. ATEX Zone1&Zone21&UL844 C1D1&IECEX listed, highest T6 ignition temperature level.
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 even, comfortable for eyes.
5. Original Seoul Semi 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.
10. Ex mark: II 2G Ex db op is IIC T5...T6 Gb/II 2D Ex tb op is IIIC T94°C...T89°C...T84°C Db

APPLICATIONS

1. Suitable for Warehouse, Petroleum and Chemical Industries, Coal Mine, Military, Airport, Marine etc.
2. Other Zone1/Zone2 gaseous environment and Zone21/Zone22dust environment.



Chemical Factory



Offshore Oil Mining



Military Ship



Army Base



Gas Station



Petrol Process Factory



Traning Camp



Navy Port

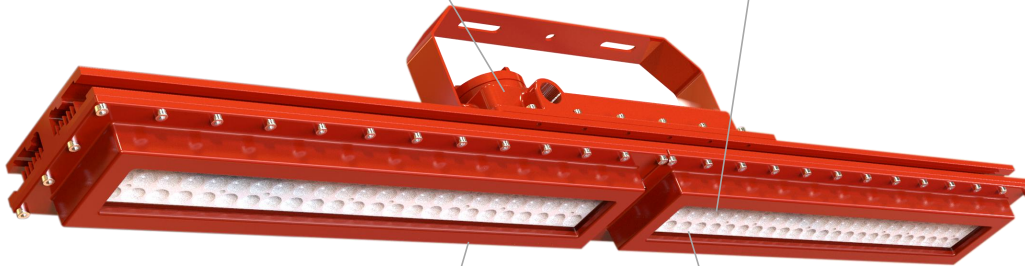
DETAILS



UL TUV CB EMC CE certified MW HLG series power driver, IP65 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 IP66 waterproof protection.



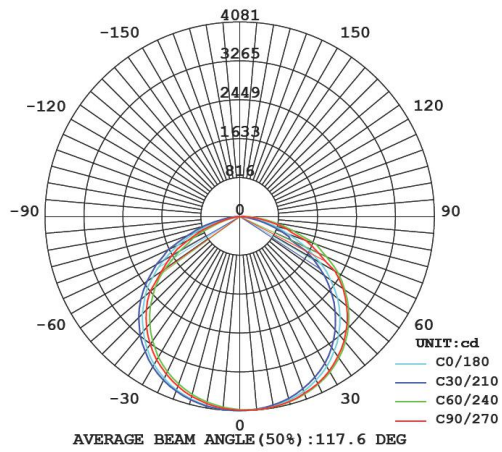
LED chips with 2.0mm thick Aluminum PCB board installed directly onto Aluminum Shell. As a result, the whole lamp is integrated as a heat radiator for the LED chips. Besides, the distance of LEDs are good enough for spreading heat, to ensure long lifespan, and with special circuit design, LED chips won't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

TECHNICAL SPECIFICATION

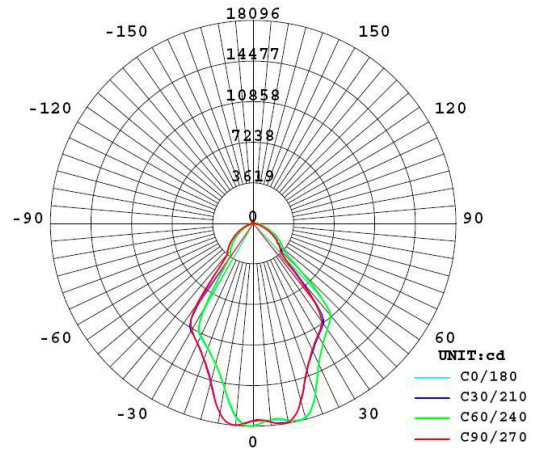
Model	Rated Power	Dimension (mm)	Beam Angle	IP Rating	Ex Mark
X-LNF-240W	240W	1235*155*231mm	120°/60°/35°/15°	IP66	II 2G Ex db op is IIC T5...T6 Gb II 2D Ex tb op is IIIC T94℃...T89℃...T84℃
X-LNF-200W	200W	1235*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-185W	185W	1235*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-150W	150W	1235*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-120W	120W	1235*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-100W	100W	559*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-80W	80W	559*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-60W	60W	559*155*231mm	120°/60°/35°/15°	IP66	
X-LNF-50W	50W	559*155*231mm	120°/60°/35°/15°	IP66	

LED Specification						Driver Specification				
Item No.	LED	LM	Efficacy	CCT	CRI	Input	IP	PF	THD	Type
			Lm/W							
X-LNF-240W	Seoul Semi	28800m	120Lm/W	Cool White:5700-6500K	>70Ra	AC100-277V ~50/60Hz	IP65	>0.98	<10%	MEANWELL HLG driver with IP68 protective Aluminum Housing (Emergency/1-10V dimming/Sensor control available)
X-LNF-200W	Seoul Semi	24000lm	120Lm/W				IP65	>0.98	<10%	
X-LNF-185W	Seoul Semi	22200lm	120Lm/W	Natural White:3700-5000K			IP65	>0.98	<10%	
X-LNF-150W	Seoul Semi	18000lm	120Lm/W				IP65	>0.98	<10%	
X-LNF-120W	Seoul Semi	14400lm	120Lm/W	Warm White:2700-3500K			IP65	>0.98	<10%	
X-LNF-100W	Seoul Semi	12000lm	120Lm/W				IP65	>0.98	<10%	
X-LNF-80W	Seoul Semi	9600lm	120Lm/W				IP65	>0.98	<10%	
X-LNF-60W	Seoul Semi	7200lm	120Lm/W				IP65	>0.98	<10%	
X-LNF-50W	Seoul Semi	6000lm	120Lm/W				IP65	>0.98	<10%	

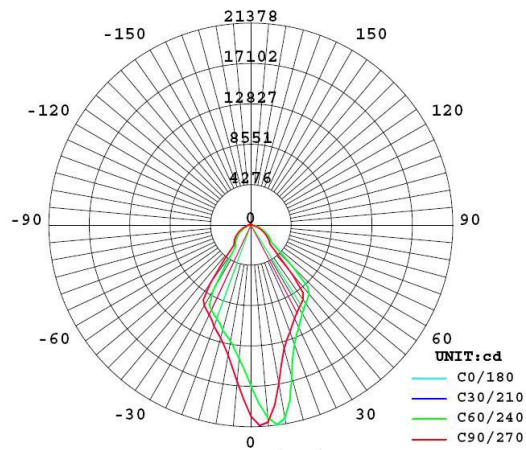
PHOTOMETRIC CURVE



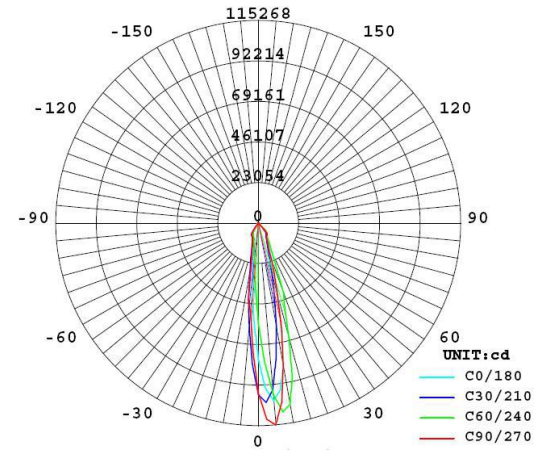
120° beam angle



60° beam angle

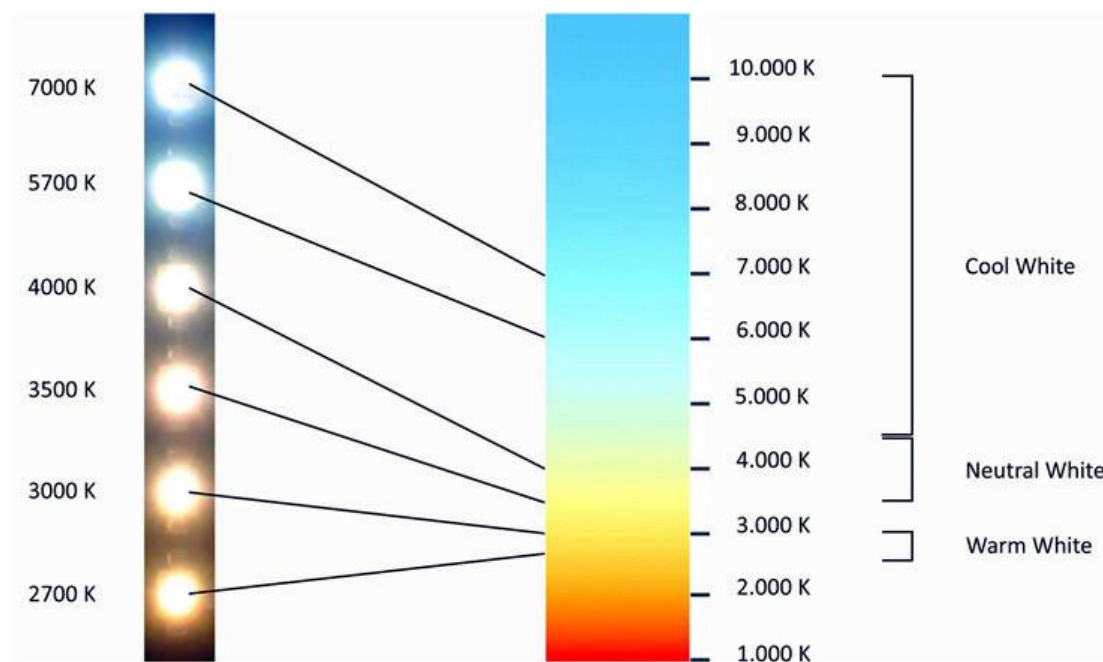


35° beam angle



15° beam angle

COLOR TEMPERATURE



PACKING INFORMATION

Item No.	Carton Size	QTY/CTN	N.W.	G.W.
X-LNF-240W	127x26x22CM	1	13.5kgs	14.5kgs
X-LNF-200W	127x26x22CM	1	13.5kgs	14.5kgs
X-LNF-185W	127x26x22CM	1	13.5kgs	12.5kgs
X-LNF-150W	127x26x22CM	1	13.5kgs	14.5kgs
X-LNF-120W	127x26x22CM	1	13.5kgs	14.5kgs
X-LNF-100W	63x26x22CM	1	6.5kgs	7.5kgs
X-LNF-80W	63x26x22CM	1	6.5kgs	7.5kgs
X-LNF-60W	63x26x22CM	1	6.5kgs	7.5kgs
X-LNF-50W	63x26x22CM	1	6.5kgs	7.5kgs

INSTALLATION METHODS

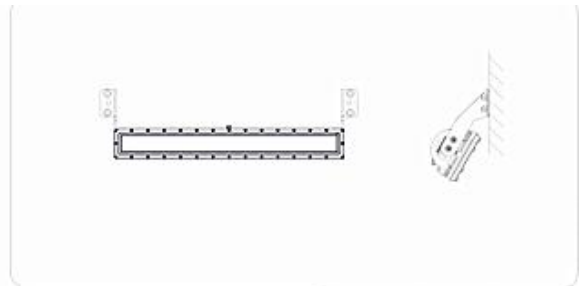
1. U-shaped bracket:



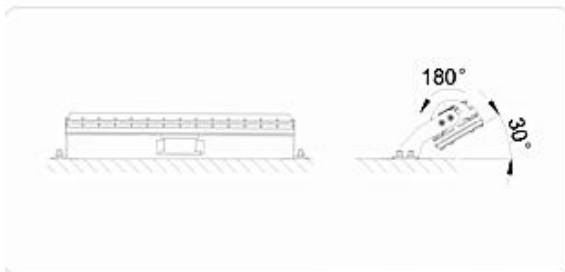
2. Shelf bracket:



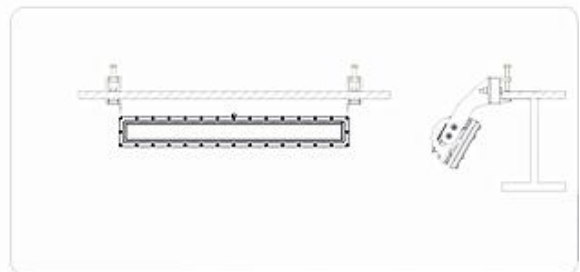
Pipe clamp



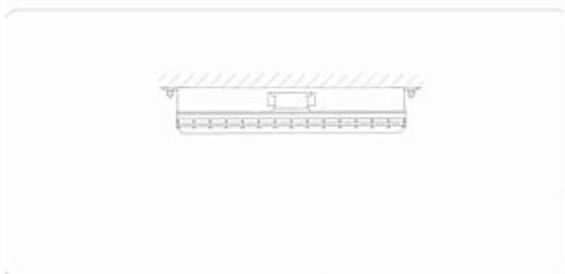
Wall mount



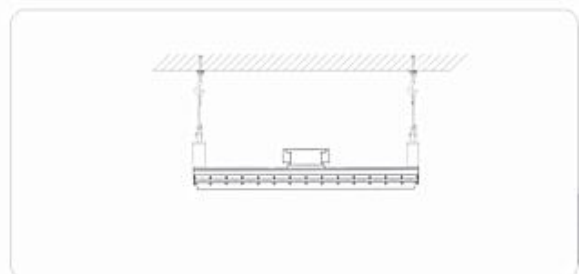
Stanchion mount



Clamp mount



Ceiling Mount

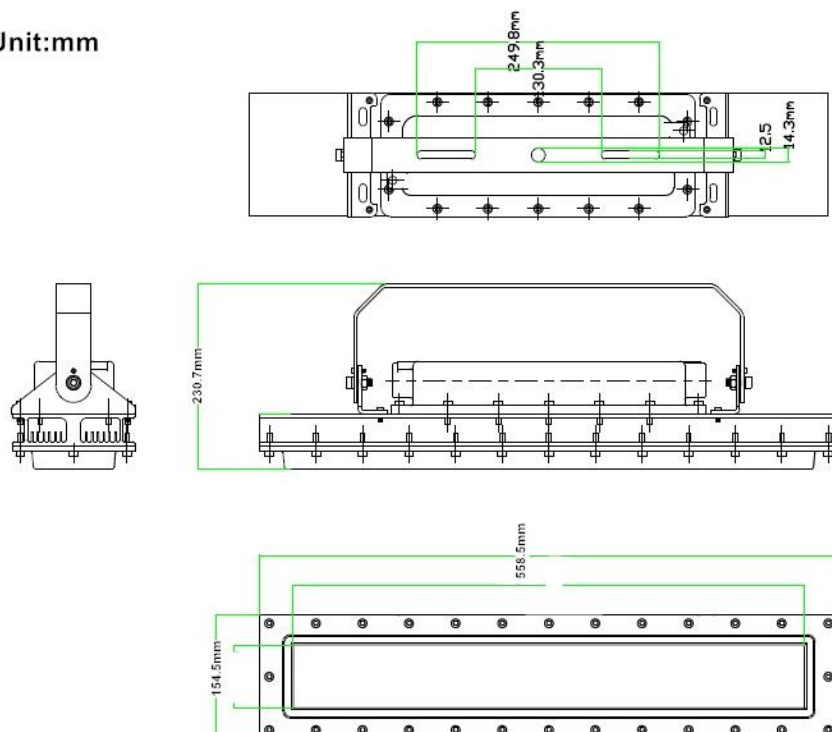


Pendant Mount

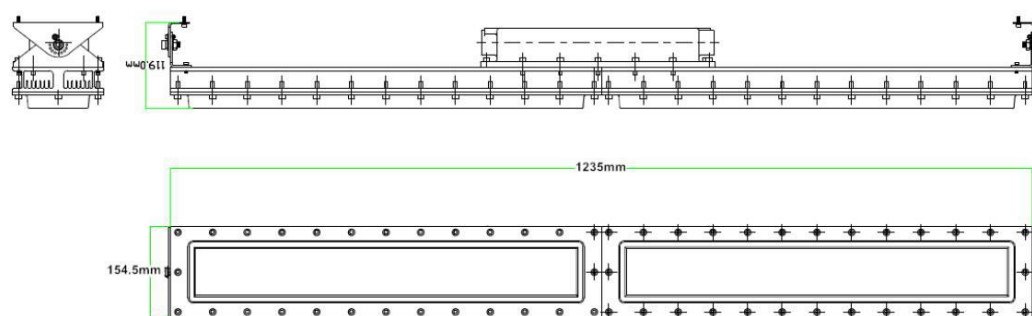
Drawings

50W-60W-80W-100W

Unit:mm



120W-150W-185W-200W-240W



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.