



# ILSS

Industrial LED Saving System

## Green 09 Modular 1000 W



## Green09 Modular High Bay / Food Light

*Various Lighting distribution Curve for Option.*

*Low luminous decay, Zero for 3000 hrs, <30% for 50,000 hrs.*

*1000W Size Only: 639\*466\*326mm.*



# characteristic

1. High luminous efficiency, it can reach 120lm/W.
2. Professional optical design, precise light distribution, low light glare, support different lighting application.
3. Most optimized heat sink design, mostly reduce the junction temperature of led, pure aluminum cold-forging technology, and ensure the best heat sink.
4. long life span, high power, wattage>1000W, but ensure L70>50000 hrs ( TA25℃ ) .
5. Widely used as flood light, high mast light, high bay, low bay, stadium light, airport light, indoor and out door parking lot light, court yard light etc.
6. Cover all power of outdoor lighting, replace traditional 150W-2000W light fixture.
7. Easy replacement and maintenance, replace the led module and driver directly.
8. Multiple choices, multiple light distributions, all power available, multiple installation method, multiple control method.
9. More intelligent, multiple control method available: microwave sensor, PIR, radar sensor, light sensor; dali dimming, PLC intelligent dimming system, Zigbee dimming system etc.
10. Very light, 80W module only 1KG, safe and stable.
11. Very small, 80W module only 150mm\*150mm, 1000W fixture which can replace traditional 2000W lamp only 640\*460mm. Wind drag is very low, used as stadium light, airport light, high mast light.
12. Equalized temperature, temperature in the module is very equalized, the temperature difference is within 1℃.
13. Easy installation, multiple installation method for different application, easy and convenient.
14. Easy maintenance, convenient for end users, one module can be used at different fixture.
15. High environment adaptability, it can be used as indoor lighting and high mast lighting, high waterproof, high anti-corrosion, strong vibration resistance.
16. It can be used as different light fixture, covers all out door lighting fixture, and area lighting, the cored parts of all the fixtures can be replaced, the best choice of low cost maintenance for the end users.
17. Durable heat sink, high pure aluminum cold-forging technology, anodic oxidation, ensure long lasting heat sink.
18. Low luminous decay, high efficiency led, high performance heat sink, low luminous decay, it is almost zero for 3000 hrs, and less than 30% for 50000 hrs.

## extensible



## All power available



Replace traditional  
150W-2000W

## Color temperature



2700-6500K

## Beam angle



15° 30° 60°  
90° 120°

## Good heat sink



High pure aluminum

## Intelligent control



ZigBee®

## Wide voltage range



MIN-MAX  
100-240Vac

## High brightness



## Low luminous decay



## Professional optical decay



## Light & small



1.1-21.4kg

## replacement



Easy maintenance

# Application

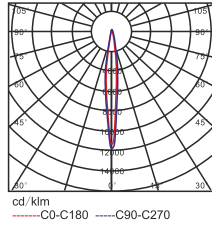


10°



Light Distribution Curve

1. bridge, high construction lighting, special searchlight etc.

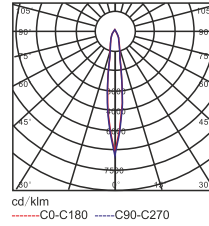


15°



Light Distribution Curve

2. high mast, construction, plaza, tennis court, football court etc.

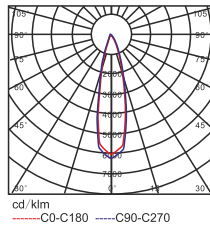


30°



Light Distribution Curve

3. Plaza, airport, port, highway crossroad etc

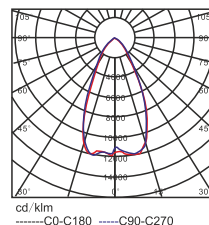


60°



Light Distribution Curve

4. Stadium, theater etc.

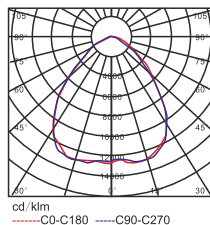


90°



Light Distribution Curve

5. airport terminal, Gymnasium, railway station etc.

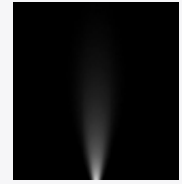
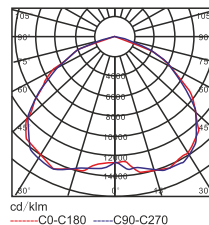


120°



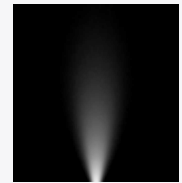
Light Distribution Curve

6. warehouse, parking lot, tennis court, football court, courtyard etc.



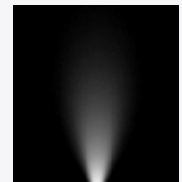
10°

beam angle



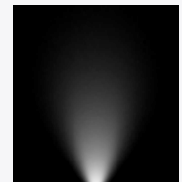
15°

beam angle



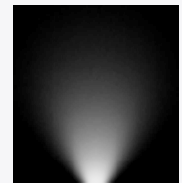
30°

beam angle



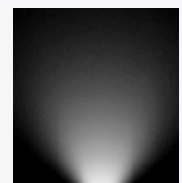
60°

beam angle



90°

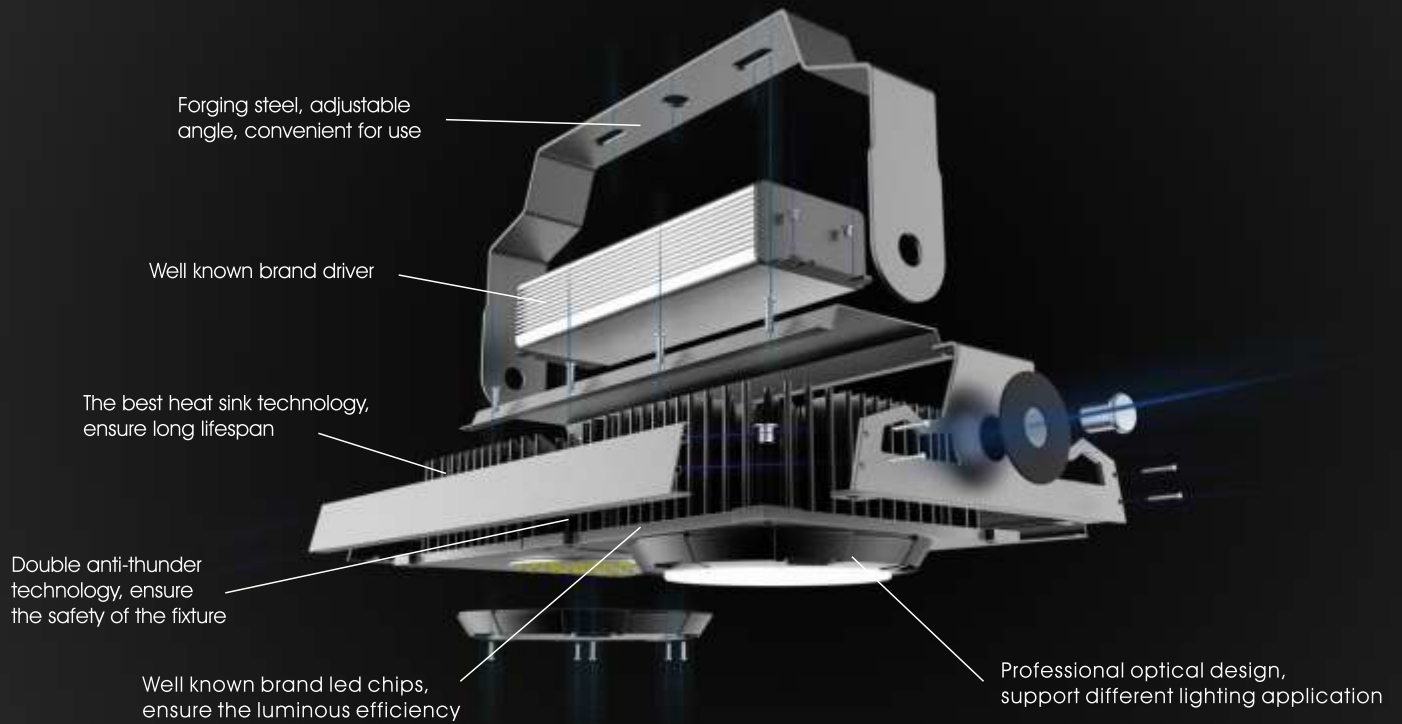
beam angle



120°

beam angle

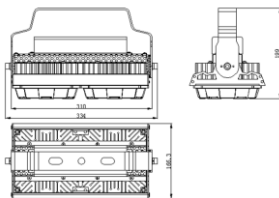




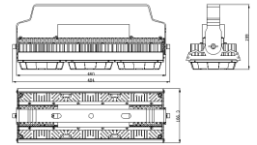
## Lamp type



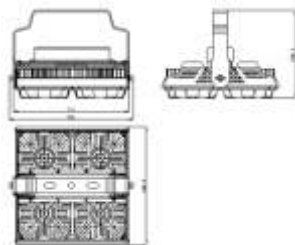
160W 334\*166\*199mm



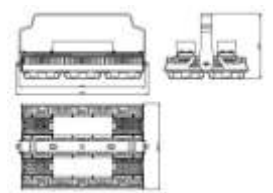
240W 484\*166\*199mm



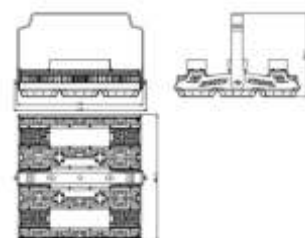
320W 334\*316.5\*237mm



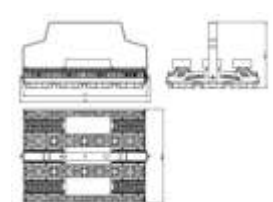
480W 490\*316.5\*239mm

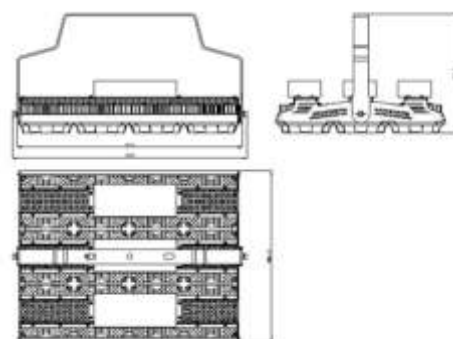


640W 488\*466\*309mm



800W 639\*466\*326mm





960W 639\*466\*326mm

## Technical parameter

Model No.	G09M_80	G09M_160	G09M_240	G09M_320	G09M_480	G09M_640	G09M_720	G09M_800	G09M_880	G09M_960
Input voltage	100-240Vac(120V-277V/AC)									
Hz	47-63Hz									
Power factor	>0.95									
Efficiency	>90%									
LED type	CREE XTE/CREE XPG2/CREE XML2/Osram 3030/LUMILEDS 3030									
System Power	80W	160W	240W	320W	480W	640W	720W	800W	880W	960W
Luminous efficiency	90-120lm/W									
CCT	2700-6500K									
CRI	>70									
Beam Angle	10°, 15°, 30°, 60°, 90°, 120°									
environment temperature	-40℃~+50℃									
working humidity	20-95%RH									
IP	IP65									
material	high pure aluminum + glass + stainless steel									
Heat sink	pure aluminum cold forging heat sink									
Certification	CE, UL									
Lifespan	>50000H									
Anti-electric shock Rate	Class I									
Product size	150*150*78	334*166*199	484*166*199	484*166*199	334*316.5*237	490*316.5*239	488*466*309	488*466*309	639*466*326	639*466*326
Weight	1.1	4.1	5.1	6.5	10.6	14.5	15.6	19.2	20.3	21.4

# Mounting instruction



Model Numbel	Rated Voltage	Frequency	
MS-FL046160-PW	please refer to the produt label		
MS-FL047240-PW			
MS-FL048320-PW			
MS-FL049480-PW			
MS-FL050640-PW			
MS-FL051720-PW			
MS-FL052800-PW			
MS-FL053880-PW			
MS-FL054960-PW			

1 Mounting 1

2

3

1 Mounting 2

2

3

Suggest connection mode as below:

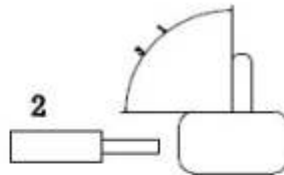
First step OPEN the box



second step put the AC line in the box

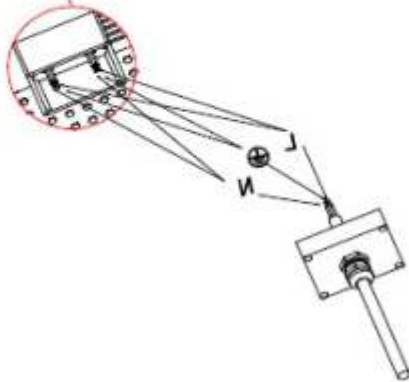
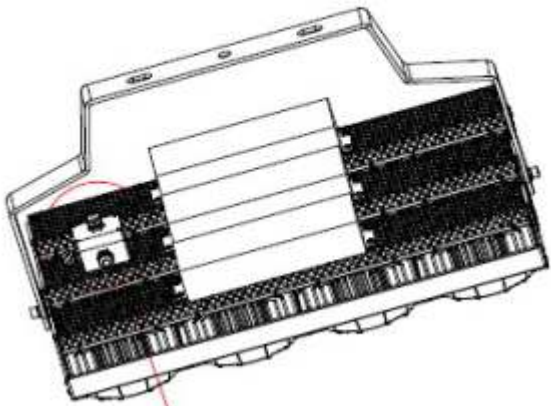


third step connect each line with WAGO 222



L (N		
GND)		
L (N		
GND)		
L (N		
GND)		

forth step closed the box



**Announcements:**

1. Please check the wire is broken before connecting the wire
2. Please check if you shut the power before connecting
3. Please connect the wire with right color show in the sketch map
4. After connected to the power cable, make sure the cable joint position and wire of lamp must be waterproof processing, IP $\geq$ 65
5. It's normal phenomenon, there is temperature rise on the products surface when use.
6. Please kindly read the introduction carefully to avoid the accident and damage. Just can be repaired and cleared after cutting off power.
7. Must be installed by qualified electrician. The connection way must be suitable for IEE electrical standard or national standard.
8. Please kindly use soft cloth to clear it regularly (annually) to maintain the brightness.
9. It should be stocked in the shady, dry and clear environment and the stocked temperature is -20°C to 40°C.