

## P5 150~1250W LED High Mast

### Features :



#### ① Modular design

Modular design of driver box and light source, support large power-span (150W-1250W), easy for installation and maintenance, light weight but ensure effective heat dissipation;



#### ② Independent driver cavity

Independent driver cavity design, improved the heat dissipation and reliability, overall protection and ensure longer lifespan;



#### ③ Efficient heat dissipation

Adopt smooth fin design. The isolated suspended driver cavity and light source modules can avoid heat accumulation and improve heat dissipation efficiency.



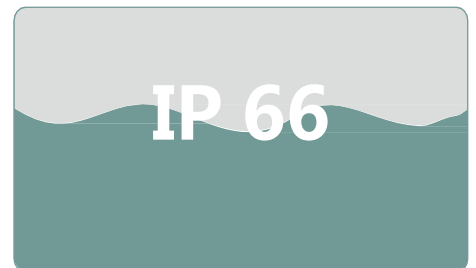
#### ④ Professional secondary photometric design

Focus on high pole lighting with secondary photometric design, high uniformity and utilization, multi-angle light distribution options. Anti-overflow light hood design for reducing light pollution.



#### ⑤ New Generation LED design

A new generation high brightness outdoor led, lower current drive. The whole lighting efficiency increased by about 10%, and lower light attenuation.



#### ⑥ Higher waterproof level design

Integrated structure waterproof design without utilizing glue,  $\geq$ IP66, explosion-proof grade IK09, able to support 4 times of its own weight.

## MAIN PARAMETERS

Power	150W	200W	240W	300W	400W
Luminous flux	21000±5% lm	29000±5% lm	33600±5% lm	42000±5% lm	56000±5% lm
LED quantity	176PCS	352PCS	352PCS	352PCS	528PCS
Light efficiency	140lm/W	145lm/W	140lm/W	140lm/W	140lm/W
Power	480W	720W	960W	1200W	
Luminous flux	67200±5% lm	100800±5% lm	134400±5% lm	168000±5% lm	
LED quantity	704PCS	1056PCS	1408PCS	1760PCS	
Light efficiency	140lm/W	140lm/W	140lm/W	140lm/W	

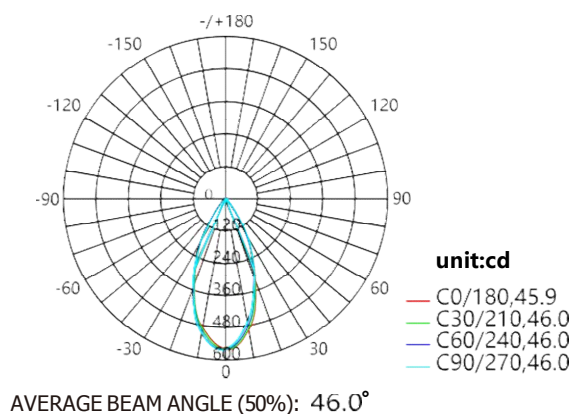
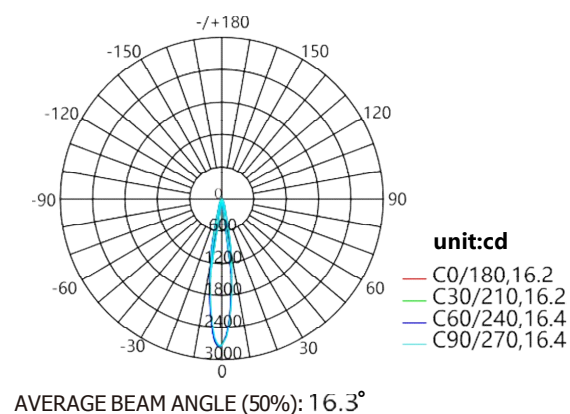
Color	WW	NW	CW	CW
CCT	3000±300K	4000±300K	5000±300K	5700±300K
CRI	≥70			
Beam angle	20°/15°、45°			
Main materials	PC, Aluminum Alloy			
Storage Temperature	-30°C~+60°C			
Operating Temperature	-30°C~+50°C			
Frequency	47~63HZ			
Input Voltage	100~240V AC			

## LED PARAMETERS

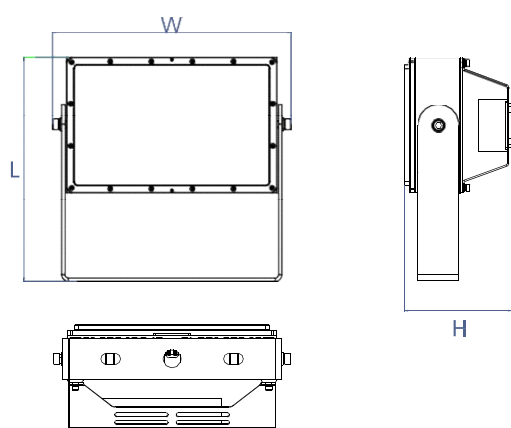
Brand	Lumileds
Chips size	3.0X3.0X0.52 mm
LED beam angle	120°

Driving power	0.7~1W(120~140mA)
CRI	≥70
LED light efficiency	160-170lm/W

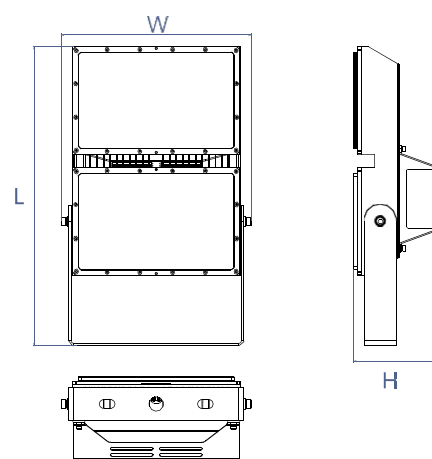
## LIGHT DISTRIBUTION CURVE/ISOCANDELA DIAGRAM



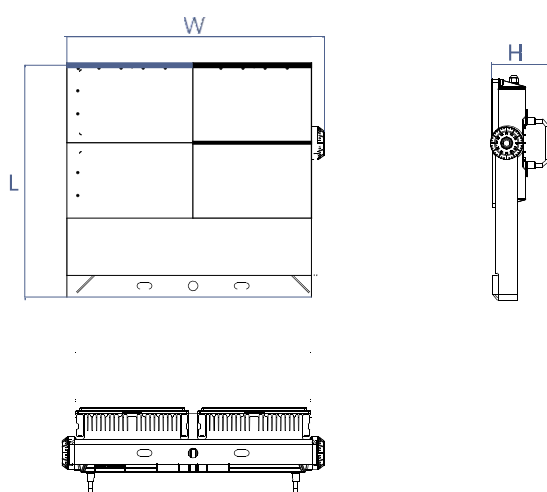
1 Module:



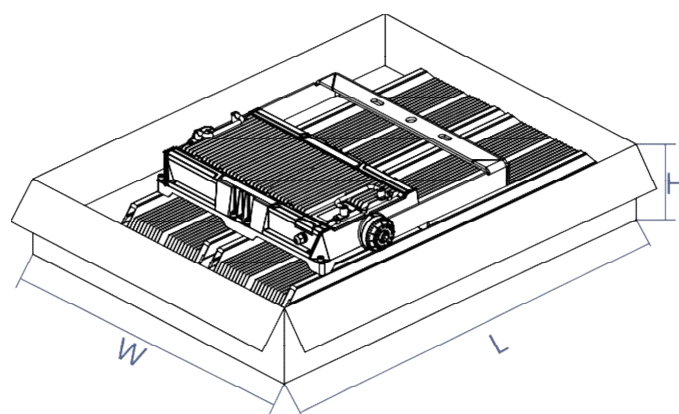
2 Module:



4 Module:



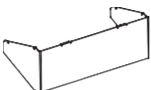


Packing:



Power	Module Qty.	Product Dimension LxWxH (mm)	EPA	Net Weithg	Packing Dimension LxWxH (mm)
150W	1	282.5x 293x126	0.0395 m <sup>2</sup>	3.6KG	300x60x110
200W~300W	2	475.5x 293x126	0.0841m <sup>2</sup>	6.5KG	350x60x110
400W	3	671.5x 293x126	0.1288 m <sup>2</sup>	10.5KG	525x165x110
480W	4	520x600x183	0.1785m <sup>2</sup>	18KG	615x335x220
720W	6	600.5x 600x183	0.2732m <sup>2</sup>	23KG	625x615x220
960W	8	782.5x 600x183	0.3679m <sup>2</sup>	27.5KG	695x615x220
1200W	10	975.5x 600x183	0.4631m <sup>2</sup>	32KG	875x615x220

# INSTALLATION STEPS

M12 Spanner: 18mm 	M12 Spanner: 10mm 	Option Hoop 
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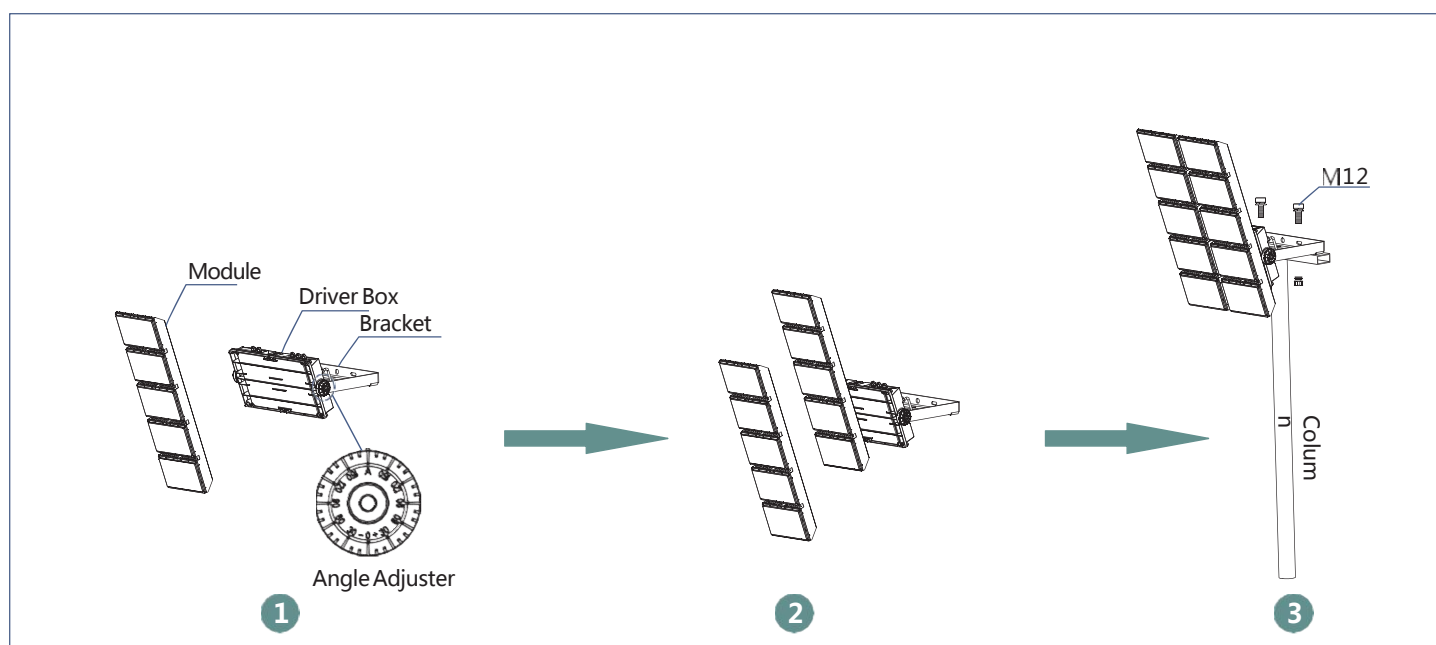
Before the installation work of the luminaire, the grid power supply must be cut off, and work with electricity is strictly prohibited.  
Ensure the luminaire is intact before installation and use.

**Notes:** Installation requires guidance from qualified personnel. It must be grounded when used outdoors, and make sure the foundation can support the luminaire.

The light source in this luminaire must be replaced by the staff of supplier, the designated agent, or the similarly qualified electrician only.

The external flexible cables cannot be replaced. If the cable is damaged, luminaire would be destroyed.

This luminaire is not suitable for direct installation on the surface of ordinary combustible materials.



## Wiring

