

CE CB RoHS



## FL44 series LED High Mast Light

250W~1250W

- Very innovative design style, realize the assembly of 1 to 5 modules, the assembly and maintenance process is simple.
- The radiator is made of 6063 aviation aluminum material with good heat dissipation effect.
- Special spray treatment on the surface of the lamp, strong resistance to salt spray corrosion, suitable for harsh environments.
- Adapt to high-quality SMD3737 or SMD2835 lamp beads, and high-quality constant current drive, stable performance and long life; the overall protection level reaches IP66.
- Adopt high transmittance PC lens, various beam angle, such as 10°/25°/40°/60°/90° or 65°x25° are optional, suitable for different application scenarios.
- The modules can be assembled freely, and the power of each module can be adjusted from 150W to 250W, which is very suitable for customers to do DIY.



FL44-250W

FL44-500W

FL44-750W

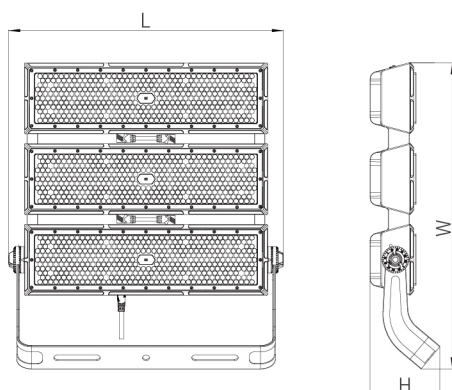
FL44-1000W

FL44-1250W

Product Number	FL44-250W	FL44-500W	FL44-750W	FL44-1000W	FL44-1250W
Rated Power	150W/200W/250W	300W/400W/500W	450W/600W/750W	600W/800W/1000W	750W/1000W/1250W
Input Voltage	100-277VAC				
Driver Brand	SOSEN				
LED Type	OSRAM3737/PHILIPS2835				
LED's(PCS)	126/425	252/850	378/1275	504/1700	630/2125
CRI	Ra>70				
CCT	3000K~6500K				
Beam Angle	10°; 25°/45°/60°/90°/65°x25°				
Efficacy	>160 LM/W;>150 LM/W				
Material	Die-casted AL body + PC lens; PC Cover/AL Cover, optional				
Power Factor	>0.95				
Working Temperature	-40°C~+50°C				
Working Humidity	0%~90%				
Life/Warranty	>50000hrs/ 5 Years				
Control Way	0-10V				
Protection	IP66/4KV				
Dimension(mm)	558x293x141	558x457x141	558x621x141	558x784x146	558x948x146

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## Product Size



Model	L	W	H
FL44-250W	558	293	141
FL44-500W	558	457	141
FL44-750W	558	621	141
FL44-1000W	558	784	146
FL44-1250W	558	948	146

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## Performance Testing



**IK Degree: IK08**  
All-round sealing, anti-drop, anti-collision, Adopt ADC12 material, sturdy and more durable.



**IP Degree: IP66**  
Professional all-round waterproof technology, Rainproof, anti-corrosion, high temperature resistance and more durable.

## Product Display



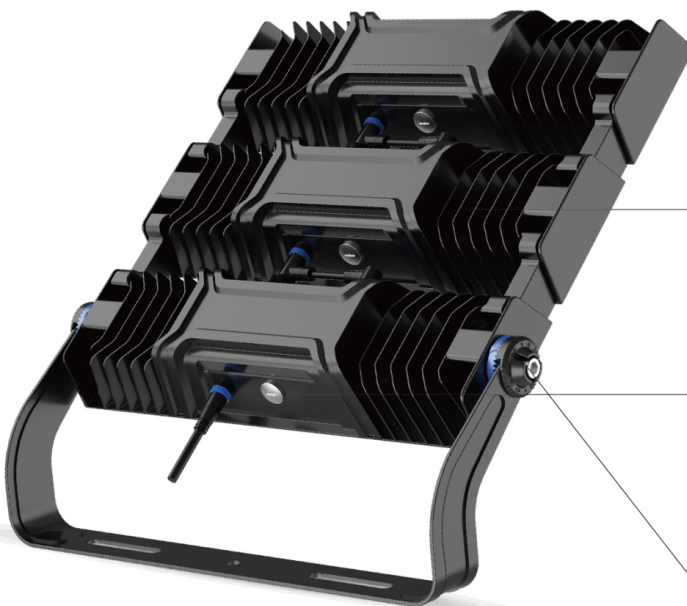
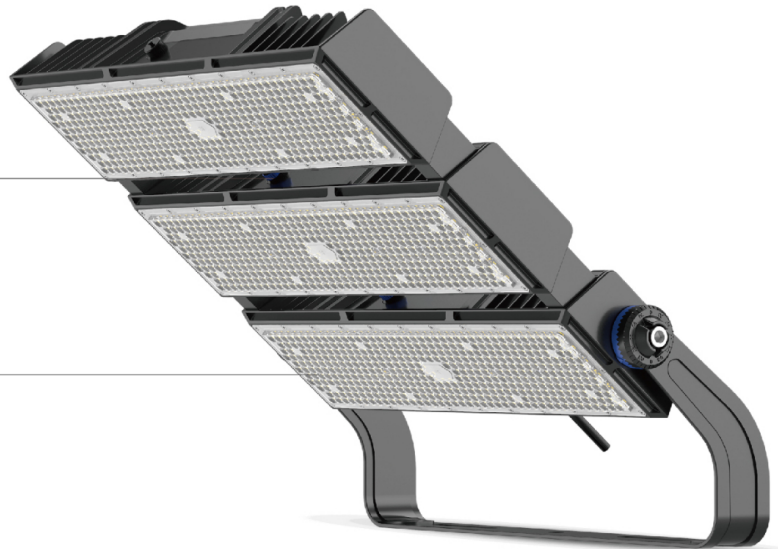
### Module cable

Used for assembling modules, the power of each module can be adjusted from 150W to 250W, which is very suitable for customers to do DIY.



### High transmittance PC lens

Various beam angle, such as 10°/25°/40°/60°/90° or 65°x25° are optional, suitable for different application scenarios.



### Wide temperature resistance range

The lamp body integrates an active heat dissipation system (air cooling/heat pipe heat dissipation), and the glass cover is temperature-resistant from -40°C to 120°C, which can resist cracking or aging caused by extreme temperature differences.



### Power drive

Constant current output control mode, dimmable shutdown, lightning protection, overvoltage protection, short circuit protection and over temperature protection to ensure high product reliability



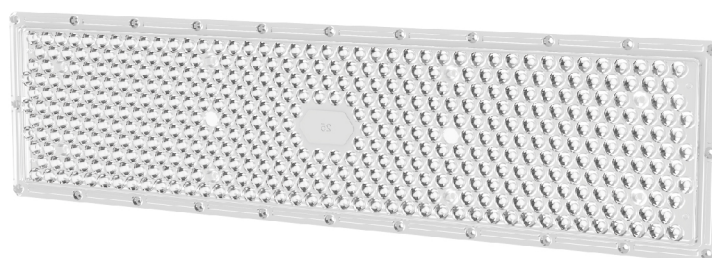
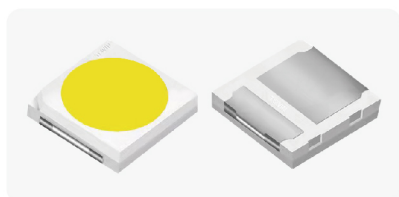
### Angle adjustor

The precise scale design can be adjusted and locked within the range, and the angle is accurately fixed to ensure the accuracy of installation



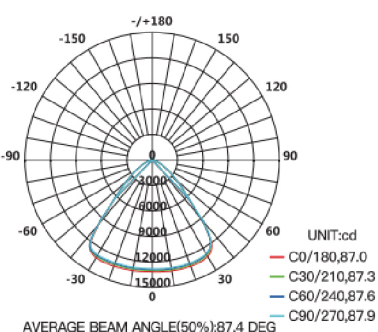
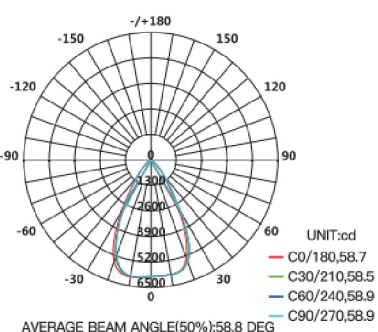
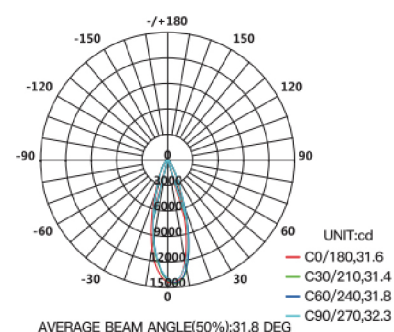
## Light Distribution Lens

Two types of light distribution lenses, combined with chips according to the actual usage environment, achieve uniform distribution of light and efficient lighting.

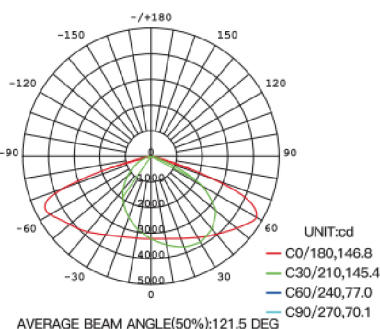
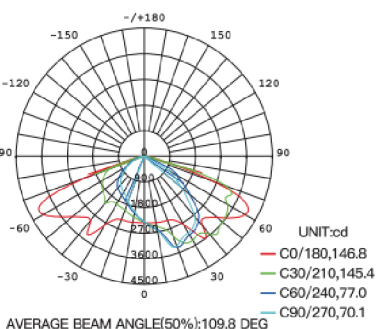
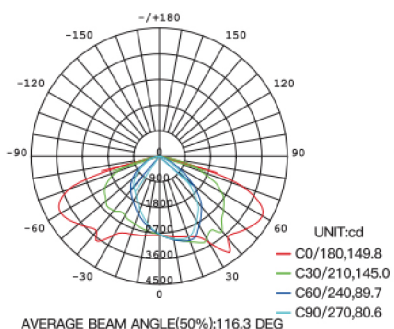


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## Light Distribution Angle

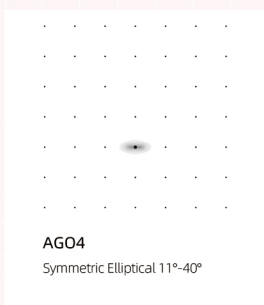
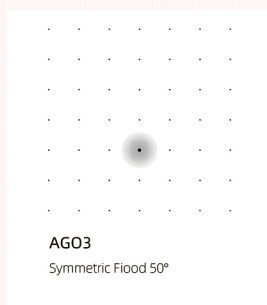
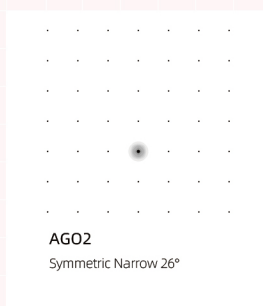
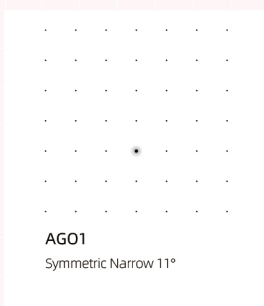
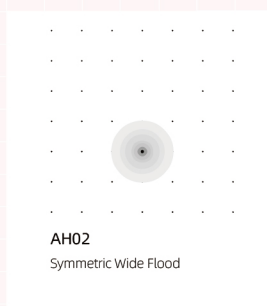
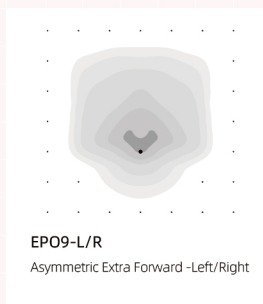
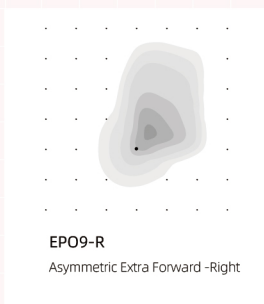
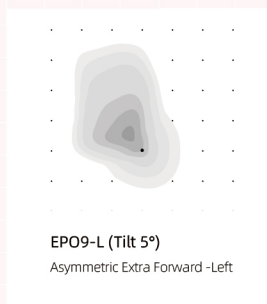


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## LIGHT DISTRIBUTIONS



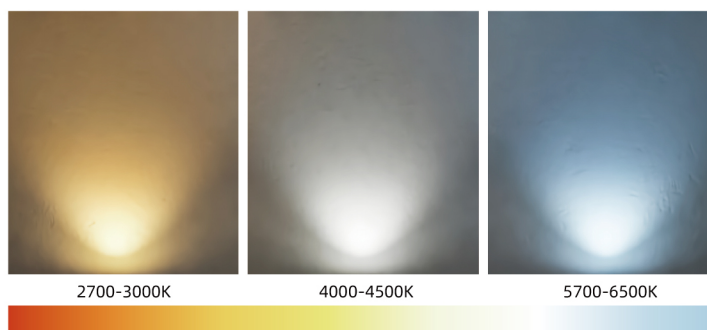
- AIRPORTS
- PORTS港
- TRAFFIC
- LOGISTICS
- SPORT

- SPORT

Color temperature is a physical quantity used to define the color of light source in lighting optics. That is, when a blackbody is heated to a temperature, and the color of the light emitted by it is the same as that of the light emitted by a light source, the temperature heated by the blackbody is called the color temperature of the light source, or color temperature for short.

## Schematic diagram of color temperature

The color temperature can be adjusted according to the lighting needs, and 4000K-6500K cold and warm light can be switched to meet different lighting needs.



## Multi application display

The Holydragoning Series defines angles And highlight the room,Emphasize precise areas Light or specific architectural concepts. Holydragoning series provides you with professional lighting solutions, Equipped with a universal allowable . ceiling. Wall mounting flange and suspension installation, Suitable for airports, stations, sports fields, and other places.

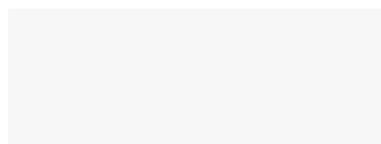
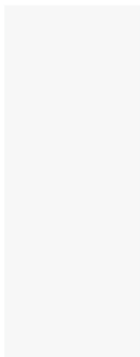


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## Applications:

Widely used in large space lighting places exhibition center, large warehouses, soccer or football field, indoor stadiums and etc.

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