

CE CB RoHS



FL39A series LED flood light

50~400W

- Patented private mold, integrated die-cast aluminum shell, fashion and simple appearance.
- High luminous efficiency up to 180lm/w.
- Professional anti-glare full cut-off light distribution: luminous Angle 15°/30°/60°/90°/120°
T2M/T3M/50*120 polarized light /30*90 polarized light is optional.
- 0/1-10V dimming, time control, light induction, Internet of Things control and other functions are optional.
- Large heat dissipation area, good heat dissipation effect, long service life of lamps.
- High temperature resistant tempered glass, surface paint process, excellent corrosion resistance.
- The protection level reaches IP66



FL39A-50W

FL39A-75W

FL39A-100W

FL39A-150W

FL39A-200W

FL39A-300W

FL39A-400W

Technical Parameter

Product Number	FL39A-50W	FL39A-75W	FL39A-100W	FL39A-150W
Rated Power	50W	75W	100W	150W
Input Voltage	AC100~277V			
Type Of Light Source	Cree/seoul/lumileds			
Chip Type	SMD3030/SMD2835			
Led Light Luminous	>160LM/W			
Beam Angle	30°/60°/90° /120°/T2M/T3M			
Frequency Range	50/60Hz			
Color Temp	3000-6500K			
Dimming Options	SOSEN(non-isolation driver), regulor no dimming or 1-10V dimming, optional			
Material	Die-cast Aluminium Housing + High transmittance PC lens+ Termpered glass			
Power Factor	> 0.9			
Working Temperature	-30~50°C			
Working Humidity	10~90%			
Life/Warranty	>50,000hrs			
IP Grade	IP66			
IK Grade	IK08			
Lamp Size	312x207x53mm	312x258x53mm	312x309x53mm	362x309x53mm

01

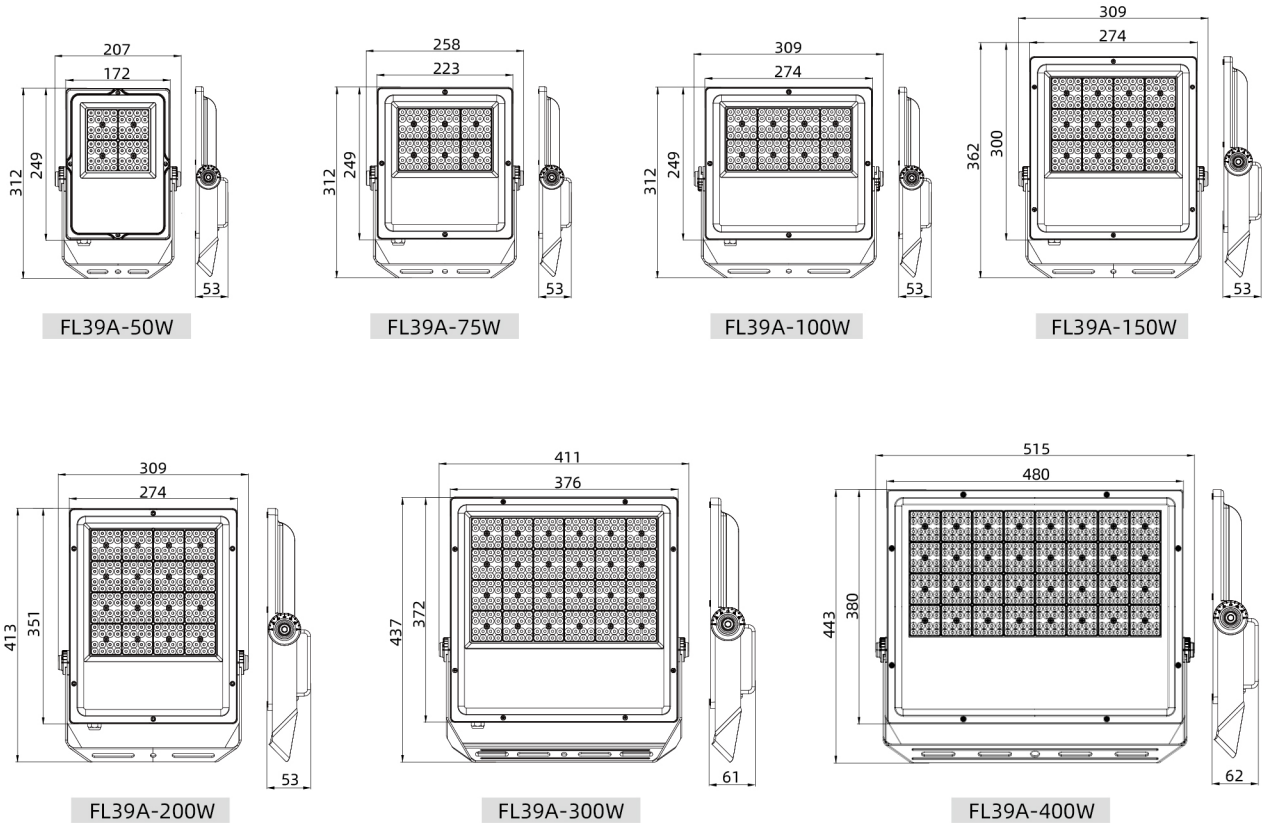
Product Number	FL39A-200W	FL39A-300W	FL39A-400W
Rated Power	200W	300W	400W
Input Voltage	AC100~277V		
Type Of Light Source	Cree/seoul/lumileds		
Chip Type	SMD3030/SMD2835		
Led Light Luminous	>160LM/W		
Beam Angle	30°/60°/90° /120°/T2M/T3M		
Frequency Range	50/60Hz		
Color Temp	3000-6500K		
Dimming Options	SOSEN(non-isolation driver), regulor no dimming or 1-10V dimming, optional		
Material	Die-cast Aluminium Housing + High transmittance PC lens+ Termpered glass		
Power Factor	> 0.9		
Working Temperature	-30~50°C		
Working Humidity	10~90%		
Life/Warranty	>50,000hrs		
IP Grade	IP66		
IK Grade	IK08		
Lamp Size	413x309x53mm	437x411x61mm	515x443x62mm

02

OPTICS



Product Size

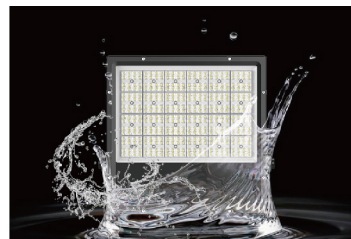


Performance Testing



IK Degree: IK08

Passed the impact resistance test (free fall from a height of 1m without cracking), and the explosion-proof performance meets the EN 62471 photobiological safety standard.



IP Degree: IP66

The glass cover and the lamp body adopt an embedded sealing structure, with a protection level of IP66 (dustproof and waterproof) or higher, which can adapt to harsh environments such as outdoor wind and rain, salt spray, chemical dust, etc.



Footpaths



Cycleways



Residential



Car parks



Road

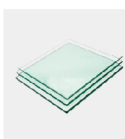


Rail



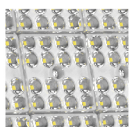
Motorway

Product Display



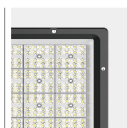
Ultra-white glass material

Tempered glass (thickness $\geq 3\text{mm}$) is used, with a light transmittance of $>98\%$, and a UV filtration rate of $\geq 99\%$, to avoid plant fading or skin damage, while retaining the warm yellow/cold white natural light color of the light.



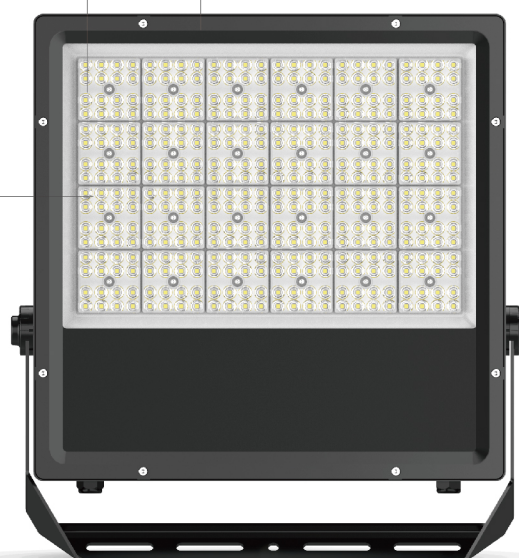
Batwing light distribution lens

With lenses of different angles, different beam angles of 30° / 60° / 90° / 120° / T2M / T3M are achieved, and the edge of the light spot is soft and not dazzling, meeting the needs of artistic lighting (such as building outline projection, waterscape lighting).



Modular structure design

The glass cover and the lamp body are fixed by snaps + screws, which can be quickly disassembled and replaced without professional tools, and the maintenance efficiency is improved by 80%.



03



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.



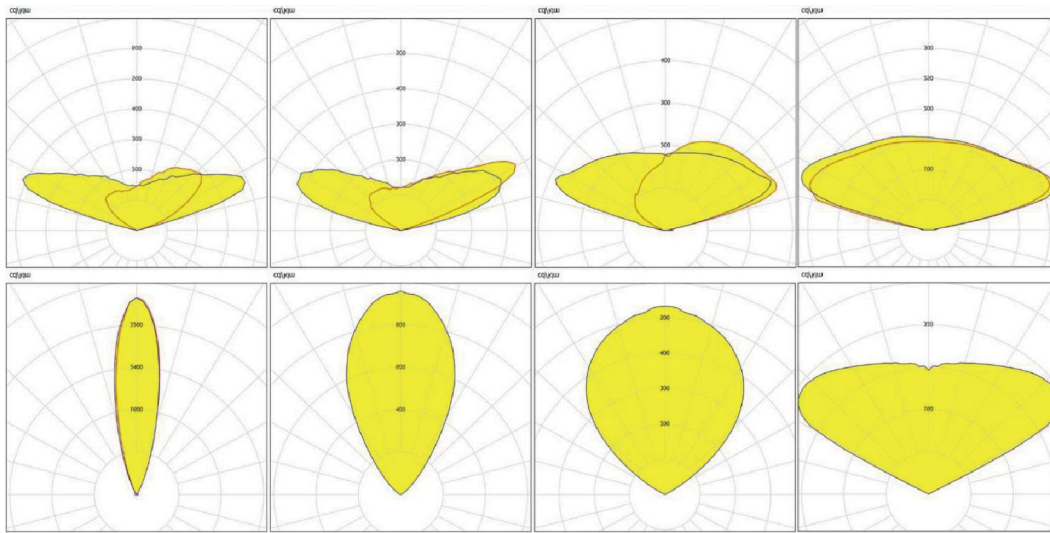
04

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

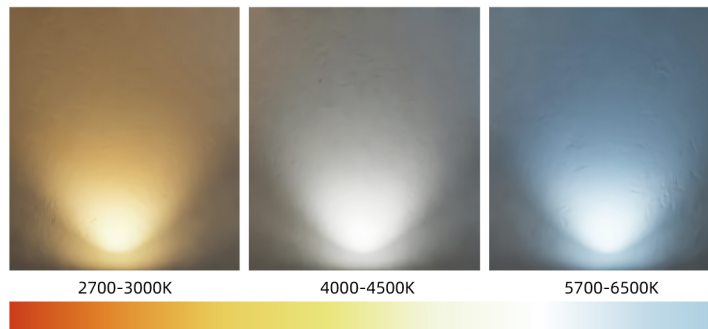


Light Distribution Display



Schematic diagram of color temperature

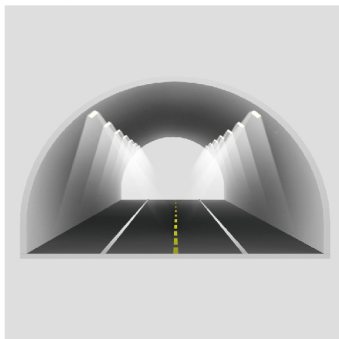
The color temperature can be adjusted according to the lighting needs, and 2700K-6500K cold and warm light can be switched to meet different lighting needs.



Wide range of applications

Compared with traditional floodlights, the latest generation of LED floodlights has significantly improved light transmittance, weather resistance and aesthetic performance through material innovation and optical optimization, and is suitable for high-precision scenes such as building facades, landscape lighting, and stage lighting.

A: Tunnel light

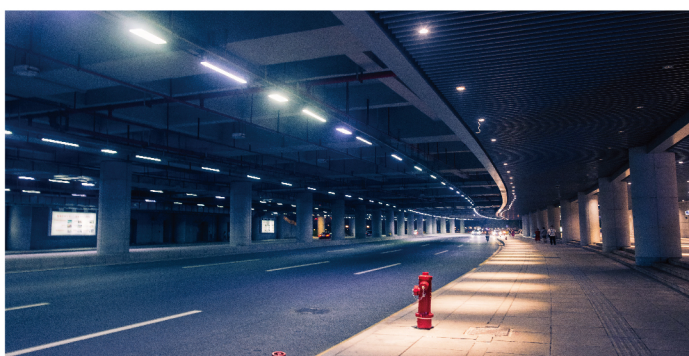
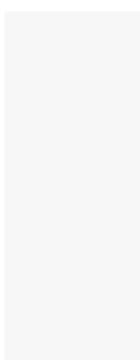


B: High bay light



C: Flood light





07



08

Applications:

- Urban landscape: building facade wall washers, bridge guardrail lighting, highlighting the texture of the building.
- Commercial space: window accent lighting, shop sign lighting, creating an atmosphere of light effect.
- Stage entertainment: concert follow-up lights, theater surface lights, strong beam penetration and high color saturation.
- Agricultural greenhouse: plant fill light, full spectrum to promote photosynthesis, evenly cover the planting area.

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