

CE CB RoHS



FL21A series LED flood light

100~900W

- Special integrated structure, avant-garde design and stable and reliable quality;
- Precision aluminum die-casting process, stable structure, good heat dissipation effect of the lamp body;
- Exquisite structure waterproof design, protection level up to IP66;
- The surface of the lamp body is specially sprayed with plastic treatment, which has strong resistance to salt spray and corrosion, and is suitable for harsh and complex environments;
- Using high-efficiency SMD3030 lamp beads, and high-quality constant current drive, reliable performance and long life;
- This series has 4 different sizes, power from 100W-900W, wide coverage, cost-effective, and can widely replace other high-power lamps;
- Using PC lens with high light transmittance, there are various light distribution angles such as 30°/60°/90°/TYPE II/TYPE III, etc., suitable for different application scenarios.



FL21A-100W

FL21A-200W

FL21A-300W

FL21A-400W/480W

FL21A-600W

FL21A-800W

FL21A-900W

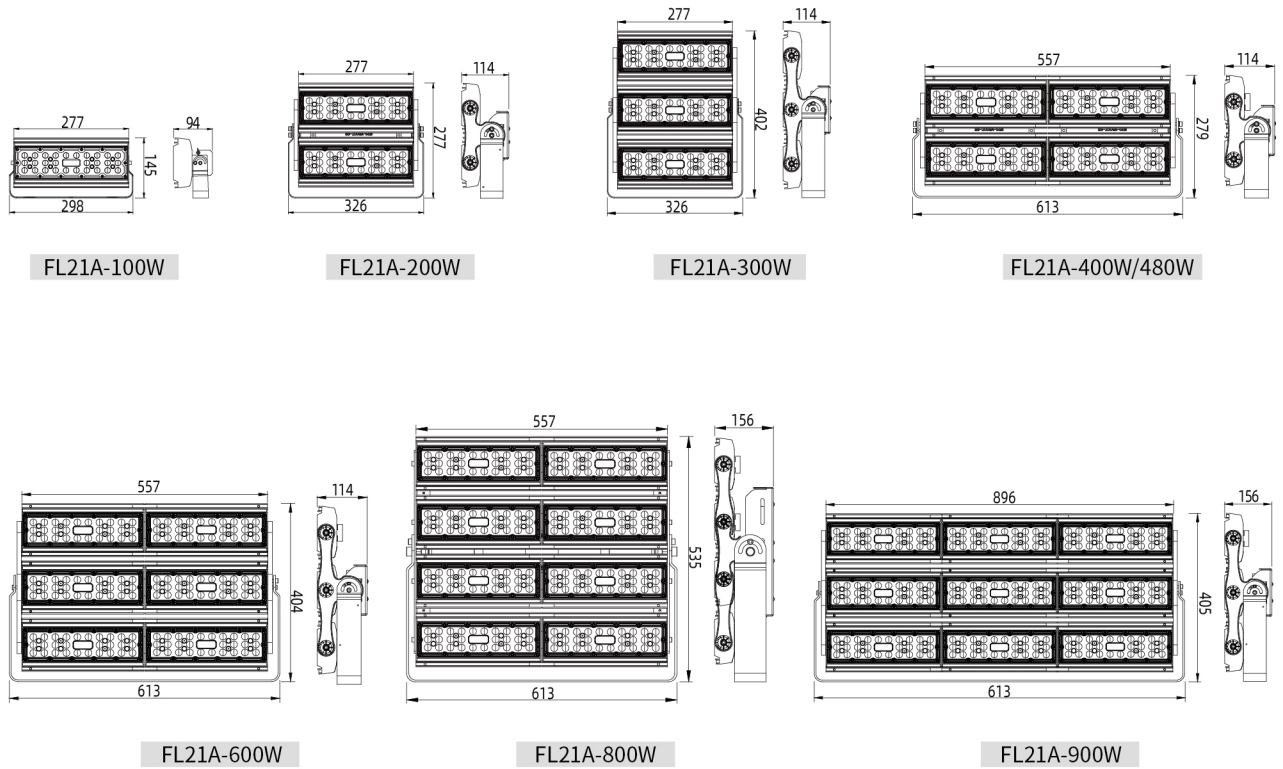
Product Number	FL21A-100W	FL21A-200W	FL21A-300W	FL21A-400W
Rated Power	100W	200W	300W	400W
Input Voltage	100~277V			
LED Brand	LUMILEDS, CREE or SOUL			
Chip Type	SMD3030, SMD5050 or SMD3737			
Led Light Luminous	>120LM/W@SMD3030, >150LM/W@SMD5050, >160LM/W@SMD3737			
Driver brand	PHILIPS, MW, INV or SOSEN (PF>0.95, THD<20%)			
Beam Angle	TYPE II, TYPE III or TYPE V, optional			
Control method	Regulor, 0-10V/DALI dimming, optional			
Beam angle	30°/60°/90°/60x90°/Type II/Type III/Type IV/Type V@SMD3030, 60°/90°/60x90°/Type II/Type III/Type IV/Type V@SMD5050, Asymmetric 60°@SMD3737			
Color rendering index	>70(default) or >80			
Frequency Range	50/60Hz			
Color Temp	4000K/5000K/5700K/6500K, optional			
Lamp body material	AL Body and Steel bracket (Black paint), PC lens			
Protection Class	CLASS I			
Working Temperature	-40~55°C			
Life/Warranty	>50,000hrs			
Surge protection	10KV(default) or 20KV, optional			
Protection level	IP66 / IK09			
Net weight	2.8KG	4.5KG	6.7KG	9.0KG
Lamp size(mm)	298x145x94mm	326x277x118mm	326x402x118mm	613x279x118mm
Authentication	CE, CB, ROHS			

01

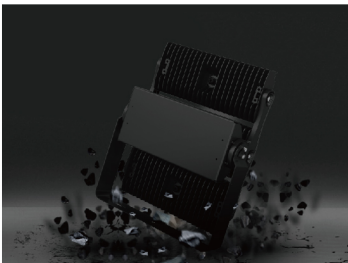
Product Number	FL21A-480W	FL21A-600W	FL21A-800W	FL21A-900W
Rated Power	480W	600W	800W	900W
Input Voltage	100~277V			
LED Brand	LUMILEDS, CREE or SOUL			
Chip Type	SMD3030, SMD5050 or SMD3737			
Led Light Luminous	>120LM/W@SMD3030, >150LM/W@SMD5050, >160LM/W@SMD3737			
Driver brand	PHILIPS, MW, INV or SOSEN (PF>0.95, THD<20%)			
Beam Angle	TYPE II, TYPE III or TYPE V, optional			
Control method	Regulor, 0-10V/DALI dimming, optional			
Beam angle	30°/60°/90°/60x90°/Type II/Type III/Type IV/Type V@SMD3030, 60°/90°/60x90°/Type II/Type III/Type IV/Type V@SMD5050, Asymmetric 60°@SMD3737			
Color rendering index	>70(default) or >80			
Frequency Range	50/60Hz			
Color Temp	4000K/5000K/5700K/6500K, optional			
Lamp body material	AL Body and Steel bracket (Black paint), PC lens			
Protection Class	CLASS I			
Working Temperature	-40~55°C			
Life/Warranty	>50,000hrs			
Surge protection	10KV(default) or 20KV, optional			
Protection level	IP66 / IK09			
Net weight	9.5KG	13.5KG	20.1KG	20.2KG
Lamp size(mm)	613x279x118mm	613x404x118mm	613x535x156mm	896x405x156mm
Authentication	CE, CB, ROHS			

02

Product Size



Performance Testing



IK Degree: IK09
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.



Footpaths



Cycleways



Residential



Car parks



Road



Rail



Motorway

Product Display

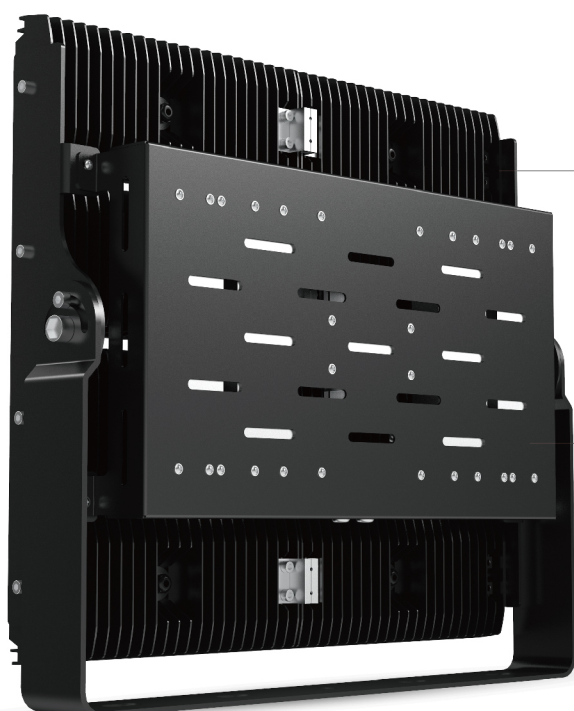


Combined high-efficiency LED

The combination of high-brightness LED chips and four-in-one chip combination applied to circular lenses can enhance the light efficiency, greatly improve the lighting effect, realize the uniform distribution of light, and ensure that the light output, luminous efficiency and service life meet international standards.

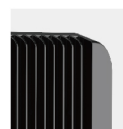


03



Heat dissipation performance

Optimize the air duct, realize three-dimensional efficient heat dissipation, reduce light attenuation, and extend the life of the light source



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



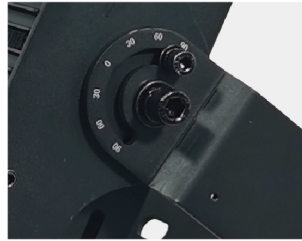
Product Display

FL21A series is a simple ,fashionable and compact flood light , widely used in outdoor any lighting places



Electrostatic spraying process

Compact,high standard ADC12 Aluminum,integrated die-casting technology;500 hours anti-salt spray corrosion spraying treatment.



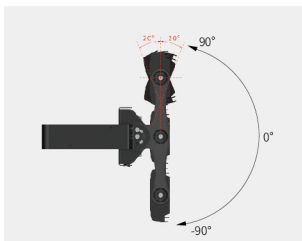
Tick mark

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



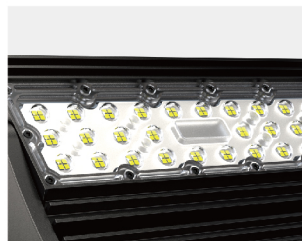
Light source angle adjustment

The bracket is equipped with a scale rotation button design, which can support angle adjustment of a single light source to meet different lighting needs.



Multi-angle adjustable bracket

The angle can be adjusted according to customer needs to adapt to different installation environments.



Combined high-efficiency LED

Using a combination of high brightness LED chips and a four in one chip combination for circular lenses can enhance light efficiency and improve lighting effects



Stainless steel exit coil

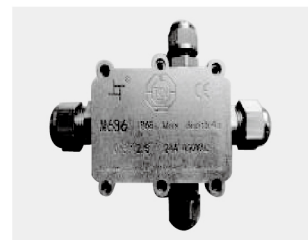
Stainless steel coil, good sealing, ensure the lamp waterproof grade



Die-casting junction box



10KV Surge protector



Plastic junction box

OPTICS



Broad light



Medium



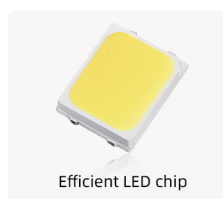
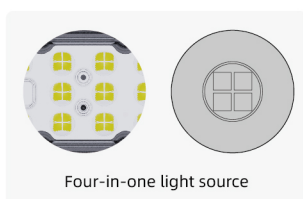
Narrow light



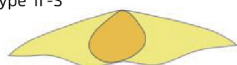
Light Distribution Display

Two light distribution methods are used:

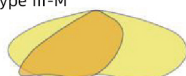
The light source adopts high brightness LED chips, and the light output, luminous efficiency, and service life all meet international standards; Batwing lens, combined with chips according to actual usage environment, achieves uniform distribution of light and efficient lighting.



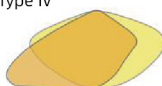
Type II-S



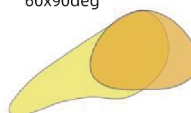
Type III-M



Type IV



60x90deg



Type V



30 deg



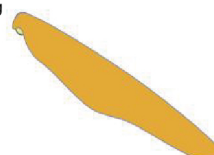
60 deg



100 deg



110x20deg,
polarized 60deg

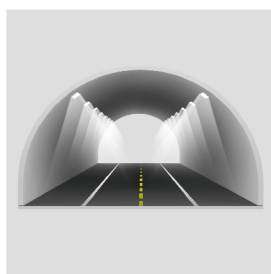


05

06

Wide range of applications

Equipped with a variety of angle lenses, it can be used for advertising lights, spotlights, high bay lights, tunnel lights and other purposes to meet different lighting needs.



A: Tunnel light

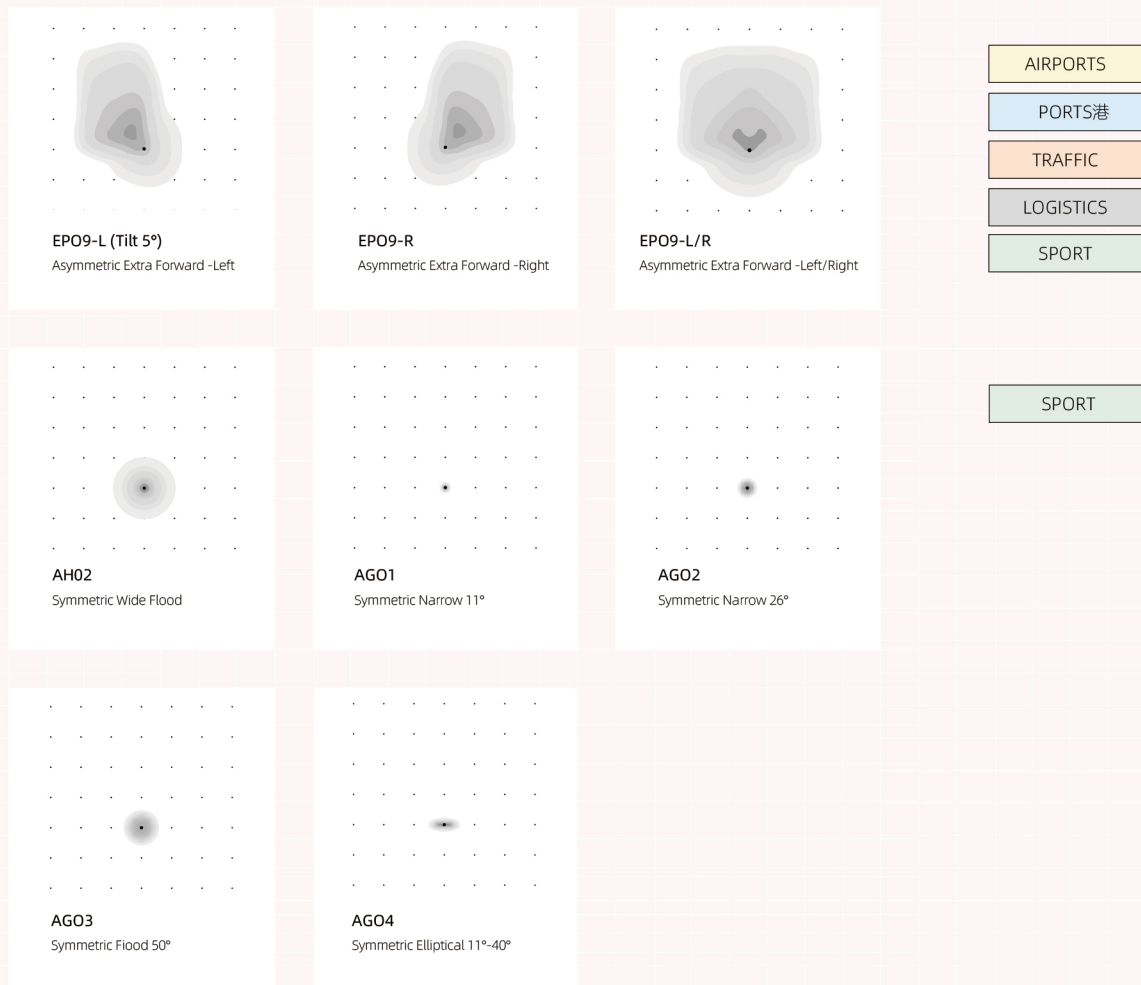


B: High bay light



C: Flood light

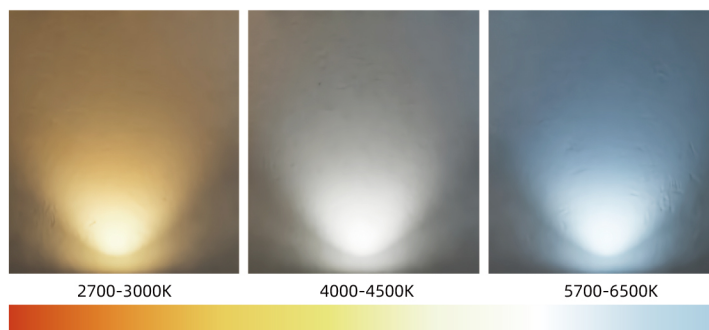
LIGHT DISTRIBUTIONS

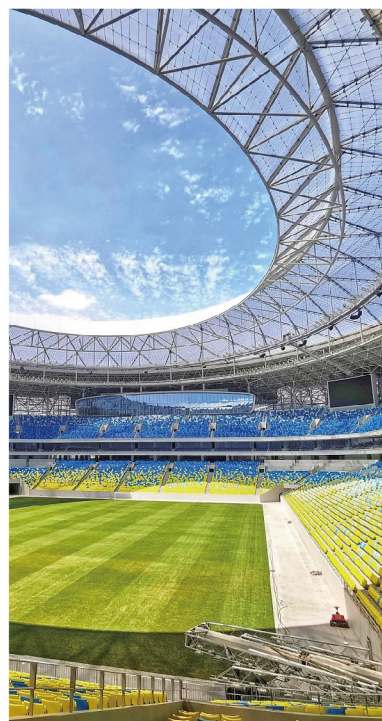
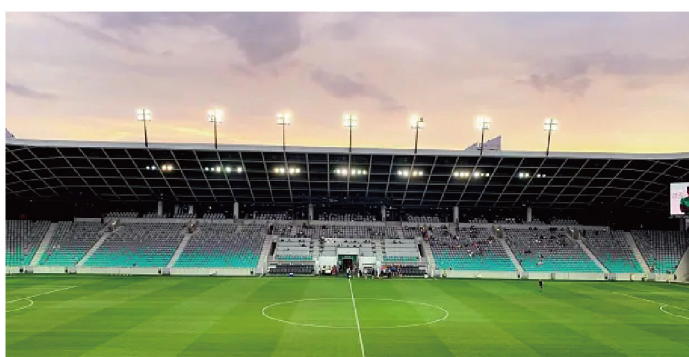
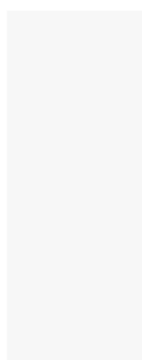


Color temperature is a physical quantity used to define the color of light source in lighting optics. That is, when a blackbody is heated to a temperature, and the color of the light emitted by it is the same as that of the light emitted by a light source, the temperature heated by the blackbody is called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





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Applications:

Widely used in factories, mines, squares, transportation hubs, stadiums, golf courses and docks, etc.

SHANGHAI CHZ LIGHTING CO.,LTD

21 6989-8169

86 133 9137 5176 | 86 159 2122 3752

www.chz-lighting.com

Sales@chz-lighting.com

No.518 Xiangjiang Road, Jiading, Shanghai, China.