

Better Performance Starts with Better Lighting





LED STADIUM LIGHT / LED FLOOD LIGHT 400W/600W/800W/1200W

100+ Patent Certificates\$1,000,000+ Annual Energy Saving10,000+ Projects Successfully Installed



> Features of ISF Series

ISF series is an energy-saving and economical LED flood light which is suitable for stadium lighting. It is also suitable for large outdoor lighting such as ports and docks.

- Up to 150LM/W, power range: **400W-1200W.**
- Modular design, easy to maintain and repair.

• UV stabilized polyester powder paint finish for durability and corrosion resistance. Saving maintenance budget and operating costs.

• Die-casting aluminum, excellent heat dissipation design, more conducive to prolong the lifespan.

• Excellent lighting system design, better performance.

• Eco-friendly, the lighting around the site is not plagued by light pollution.

• The illumination of the site is significantly improved, with better uniformity, and the overflow light is reduced to a minimum.

• The bracket of ISF series is made of 304 stainless steel, with super corrosion resistance.



Lens

Type-A (Top Fixed)

APPLICABLE TO (Optional) **4K & HD TV LIVESTREAM** TLCI>95 GR<30

UP TO 1200W MODULAR

Modular design makes the fixture easy to repair and replace. Maximum power to 1200W. flexible to adapt to project lighting needs.



the safer the fixture it is.

O WARRANTY 5 Year Limited Warranty, 10 Year Preferred Warranty. Please consult with our sales for detailed agreement.



Type-A (Top Fixed) Reflector





NO FLICKER ON **TV BROADCAST**



FOR TV BROADCAST

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ISF guarantees excellent TV footage thanks to LED sources with a high TLCI index (Max >95) and allows the creation of super slow motion flicker-free.



CONVENIENT INSTALLATION

Type-A (Top-fixed) or Type-U (Yoke mount) installation. The installation procedure is simple and saves time and manpower.

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> Perfect Design for Gaming

• Our lighting system, electrical, structural all links of the precise configuration and full consideration, precise control of light, to ensure the best light efficiency. We make the whole lighting system faultless, more durable.

• We provide easy-to-maintain design, integrated grounding, and surge protection to ensure the long life of the sensitive electrical components required by LEDs.

specifications are subject to change without notice



HEAT SINK

- Die-casting aluminum ADC12, high thermal conductivity
- Unique convective air cooling design
- Machined smooth surface for maximum heat transfer of the LEDs

 Maintains low LED junction temperature for high wattage operation

LENS

- High-temperature resistance PC
- materials
- High transparency
- Multiple beam angles

TEMPERED GLASS

- Impact-resistant IK08
- High transparency

Separated power supply installation, easy maintenance. Highly integrated wire harness, the remote control system is optional, easy to operate.

output

BRACKET

- Knuckle assembly
- Maintains alignment is up to 150 mph winds
- Bracket adjustment Angle range:
- Elevation angle 0 $^{\circ}$ ~ 90 $^{\circ}$
- Depression angle $\pm 63^{\circ}$
- · Yoke mount available.

LED PANEL

- Seoul 5050/Seoul Z5M4 3535/CREE
- CREE/LUMILEDS optional
- Metal-core printed circuit board

WATERPROOF RING

• High-temperature resistance materials Aging resistance, excellent sealing

SURFACE COVER

• Perfectly sealed to keep optics away from harmful environmental elements • High-strength material ADC12

LIGHT CONTROL VISOR

 Visor with a reflective surface and adjustable angle Dramatically reduces glare and spill, and maintain high

> Flexible & Convenient Installation

Type-A Top-fixed Bracket

The innovative top-fixed bracket is ideal for the suspended installation of ISF in limited spaces(for example under the roof cover of grandstands). Furthermore, top-fixed simplifies pointing operations. This fixing system allows adjustment on several planes and axes: the main adjustment with tilt range in the horizontal plane $\pm 63^{\circ}$, rotation range on vertical axis 90° .



Type-U Yoke Mount

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The Type-U Bracket of ISF is made of 304 stainless steel, with super corrosion resistance. It is adjustable and tiltable on the horizontal plane $\pm 4^{\circ}/\pm 6.5^{\circ}/\pm 10^{\circ}$, rotation range on vertical: $+110^{\circ}/-180^{\circ}$. It is also available for inverted mounting, guaranteeing great installation versatility.



Options: Power supply split installation Driverbox integrated with bracket

*As the products are upgraded, the accessories may differ from those described in the pictur

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as

specifications are subject to change without notic







Laser aiming Safety rope



> Photometric Design

 Glare & light pollution • Light spills out

Comfortable uniform lighting effect • No upper light pollution • Better visual experience •



Accurate light distribution design to ensure accurate lighting, Using Seoul (Lumileds or CREE optional) LED chip to ensure the best lighting performance.



 Glare can cause problems for athletes and nearby residents. Spillover light causes light pollution in the night sky. Solving the problem of reducing light pollution is the primary mission of our product design. While providing a brighter lighting system for the site, we were also concerned about how to reduce the disturbance to the surrounding environment.

• Effective control of light can better reflect the energy conservation and environmental protection of LED lighting equipment. The low glare design of the ISF series allows for effective control of light and direction, providing greater comfort for athletes on the field, a better spectator experience, and minimizing light pollution.

• Precise lighting system design of ISF series, combined with visor, reduces in-site glare by 40%, spills by more than 50%, and saves energy by up to 40% compared to conventional MHL or other lamps.



> Referential Simulation Result

>Smart Lighting Control

Project Simulation Service for Clients



Reference Data

Field proportion: 105*68m; Installation height: 30m; Pole number: 4 PCS; Number of fixtures: 5 PCS *4: The total lumens: 144000lm; Power of each fixture: 1200W;



Illumination Parameters









Through remote control, the lighting can achieve the best effect of professional competition, so as to meet the lighting demand of the field competition. Easy to operate, quick adjustment, intelligent system can be more conveniently deployed.



The Lora Light wireless system or Zigbee control with strong anti-interference ability is adopted in the wireless transmission unit of light controller to realize the communication between nodes and gateways. The data of various sensors on the node light controller is sent back to the gateway, and the control command of the gateway is also sent to the node light controller.

Through the controller, the staff can conveniently remote control the status of lamps and lanterns and adjust them, so that the lighting management of the site is more intelligent.

Training or Recreation

Lighting on the spot only needs to meet the effect of training or daily recreational activities, and the illumination of fixtures can be reasonably adjusted through remote control. It can not only save energy consumption but also save operating expenses.





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ISF sports lighting support ultra-slow motion. It delivers a flicker-free, HDTV broadcasting for the enjoyment of the audience.

> Application Reference

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date conter

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- HARVING MARK

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Parameter Table

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		Type-U					

Photometrics

3H*3V(15D)



Polar Candela Distribution 7H*4V(35*85D)

Polar Candela Distribution





Ordering Information

AOK		-	-
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR
400WiSF	NV=100-277V	S5=Seoul 5050	00=Without Sensor
600WiSF	HV=277-480V	S35=Seoul 3535	SN=Motion Sensor
800WiSF			PH=Photocell
1200WiSF			DV=Dimmable

Bracket Options



Type-A Top Fixed Installation

Type-A Top Fixed Installation (Without visor)

ISF Series Specification Sheet

*Due to the constant improvements in product development, individual parameters might change. Please refer to our sales or R&D team for most up-to-date content as specifications are subject to change without notice.

Polar Candela Distribution



7H*5V(PG30D-without visor)

CCT&CRI

3070=3000K 70CRI

4070=4000K 70CRI

5070=5000K 70CRI

5770=5700K 70CRI 3080=3000K 80CRI

4080=4000K 80CRI 5080=5000K 80CRI

5780=5700K 80CRI

Polar Candela Distribution

4H*3V(20*30D)

Polar Candela Distributio



7H*5V(PG60D-without visor)

Polar Candela Distribution

DISTRIBUTION

15=3H*3V(15D) 3585=7H*4V(35*85D) 2030=4H*3V(20*30D) 30=4H*4V(30D) PG30=7H*5V(PG30D) PG60=7H*5V(PG60D)

MOUNT

A=Top fixed U=Yoke mount

COLOR

SG=Silver gray BK=Black Custom request

Accessories & Control

SPD 10kV, 20kV optional DALI, DMX512, Nema, Zhaga



Type-U Yoke Mount (Without visor)

Type-U Yoke Mount



Dimension

TYPE-A: Top Fixed Installation















786.0mm





TYPE-U: Yoke Mount





ISF Series Specification Sheet

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Illuminate Your Future



5 Year Limited Warranty, 10 Year Preferred Warranty. Please consult with our sales for detailed agreement.

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