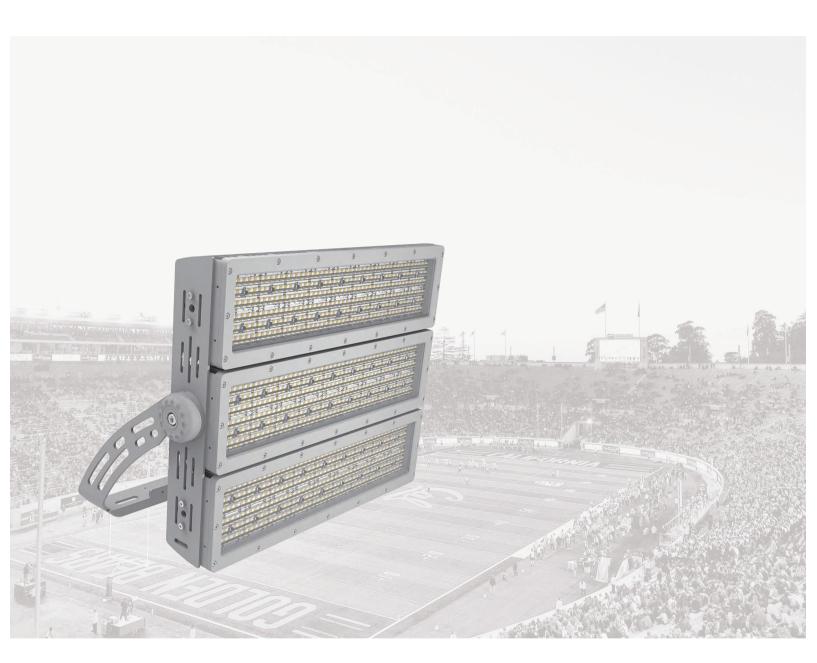
200+ Patent Certificates\$1,000,000+ Annual Energy Saving20,000+ Projects Successfully Installed





ISF Series LED Stadium Light Power: 400W / 600W / 800W / 1200W / 1500W / 1800W



Innovative & Tailored Lighting Solutions for **Success** www.aokledlight.com

Features of **ISF** Series



For others & details please request



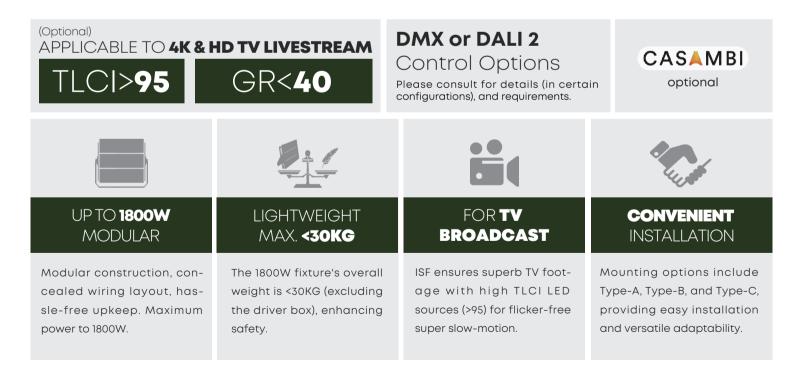


The ISF Series Stadium Floodlight represents a new generation of outstanding lighting solutions, boasting easy maintenance, easy installation, versatile light distribution options, and professional-grade features. Its exceptional optical design ensures outstanding performance, making it the ideal choice for illuminating outdoor large venues and events, saving maintenance budget and operating costs.

- Up to 150lm/W, power range: 400W-1800W.
- · Modular design, a maximum of 3 modules available.
- UV stabilized polyester powder paint finish for durability and corrosion resistance.
- 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.

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

The **benefits** of opting ISF series





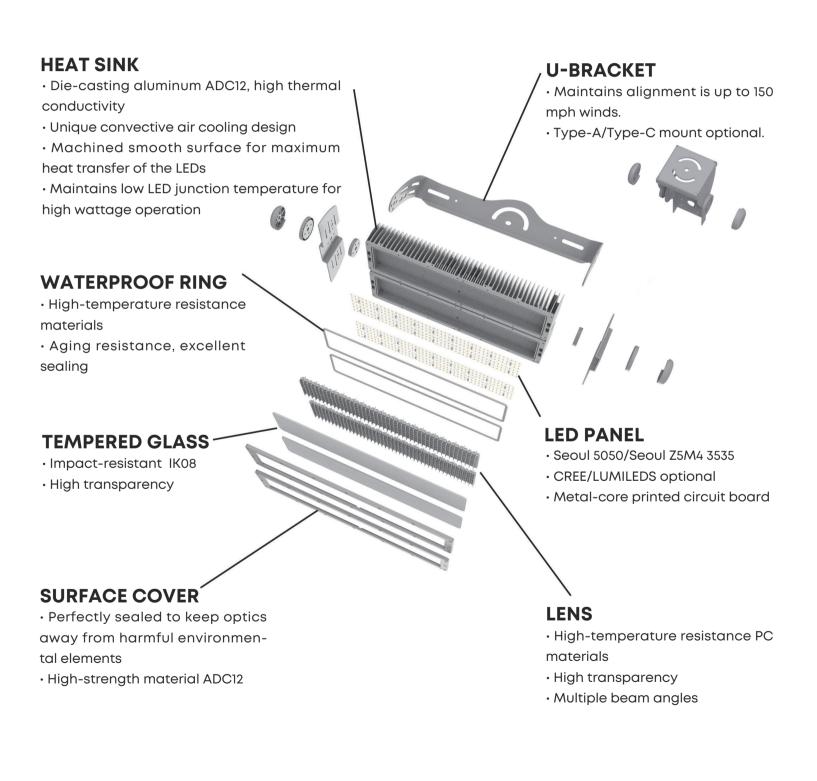


Perfect Design for Gaming

Multiple mounting options turn installation & maintenance job into a easy way.

Installation options include integrated and split setups, with driver box maintenance requiring no tools. You can easily adjust the position, either on the bracket or using a remote power box, ensuring straightforward and convenient maintenance.







Type-A (Optical Lens)



Type-A (With Reflector)



Type-B (Optical Lens)



Type-B (With Reflector)



Type-B Power Supply Split Installation

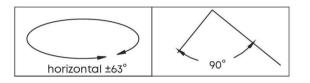


Type-Bx Driverbox Integrated with Bracket

Flexible & Convenient Installation

Type-A Top-fixed I

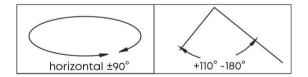
The top-fixed bracket for ISF is perfect for limited spaces like under grandstand roof covers. It simplifies aiming and offers multiple adjustments, including a $\pm 63^{\circ}$ tilt in the horizontal plane and a 90° rotation on the vertical axis.





Type-B Yoke Mount

The ISF Type-B Bracket, crafted from durable 304 stainless steel (optional), boasts excellent corrosion resistance. It offers adjustable horizontal tilting options of ±90° and vertical rotation from +110° to -180°, making it versatile for various mounting orientations.





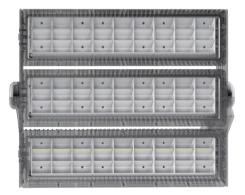
Concealed Rear Wiring Design

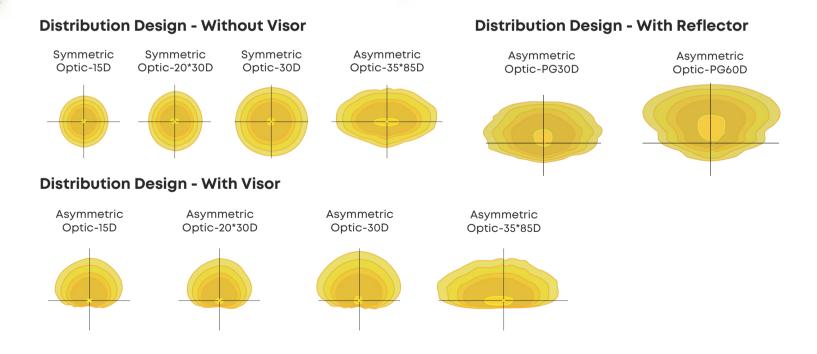
5° each scale

Photometric **Design**

With a concealed reflector design, the fixture remains invisible at night except for its light, reducing glare.







The ISF series features a customizable high-performance optical system designed for professional sports fields. It includes floodlighting optics for precise pitch illumination, offering flexibility and excellent light distribution. Specialized LEDs ensure high TLCI for television broadcasts.

Control of Light

• <u>• Glare & light pollution</u> • <u>Light spills out</u>



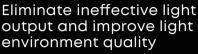
ULOR=0%

100% precise-0% light pollution (@0°)

Thanks to its new asymmetric light distribution system, without any spill light or obtrusive light, the night sky remains dark. And nature and residents are undisturbed.

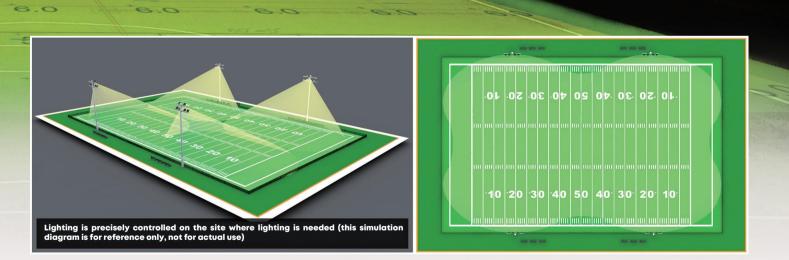


Back Light Control 🕨





<u>Comfortable uniform lighting effect •</u> <u>No upper light pollution •</u> <u>Better visual experience •</u>



• Our product design focuses on addressing the issues of glare, which can affect both athletes and nearby residents, and light pollution in the night sky. While enhancing lighting for the site, we also aim to minimize disturbances to the environment.

• The ISF series incorporates a low glare design to effectively control light direction, improving athlete comfort, spectator experience, and reducing light pollution.

• The ISF series, with precise lighting system design and visor, reduces on-site glare by 40%, spillover by over 50%, and saves up to 40% more energy compared to traditional MHL or other lamps.

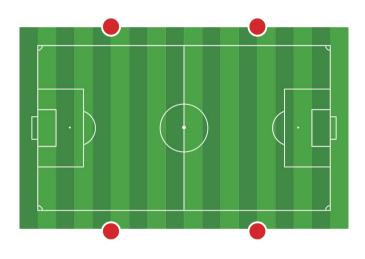
Referential Simulation Result

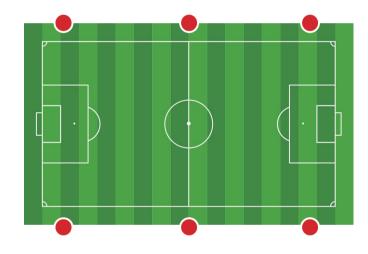
Putting the floodlight ISF 1800W to the test

Sport field: 105x68m

4-mast system

4-mast system	ISF 1800W			
4 masts	Lighting class II	Lighting class l		
Number of luminaires per mast	3PCS	6PCS		
Horizontal illuminance Eav	204 lx	567 lx		
Uniformity U0 g1	0.61	0.71		
Total number of luminaires per field	12PCS	24PCS		





6-mast system

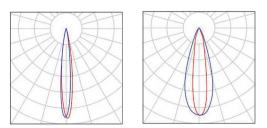
4 corner masts and 2 center masts	Lighting class II	Lighting class I	
Number of luminaires per corner mast Number of luminaires per center mast	2PCS 2PCS	4PCS 4PCS	
Horizontal illuminance Eav	206 lx	578 lx	
Uniformity U0 g1	0.70	0.73	
Total number of luminaires per field	12PCS	24PCS	

Please be aware that the data provided above is for reference only, and it is based on the standards and requirements specified by a customer. It does not serve as a final report. We recommend communicating with our technical team to address your specific situation and needs.

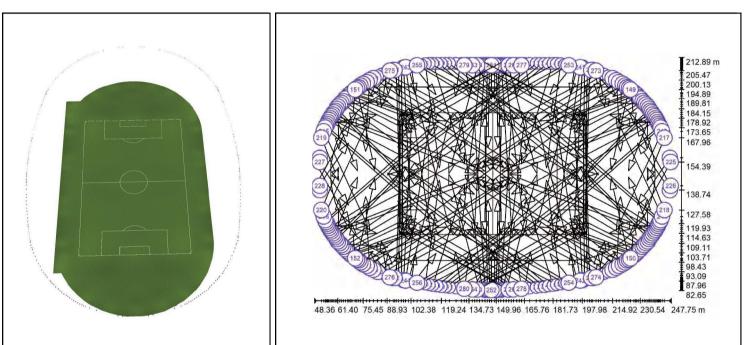
Referential Simulation Result

FIFA Standard A 1800W Stadium Lighting System

Inner foodball field: 105x68m Mounting height: 26m



Distribution: 15D/20*30D



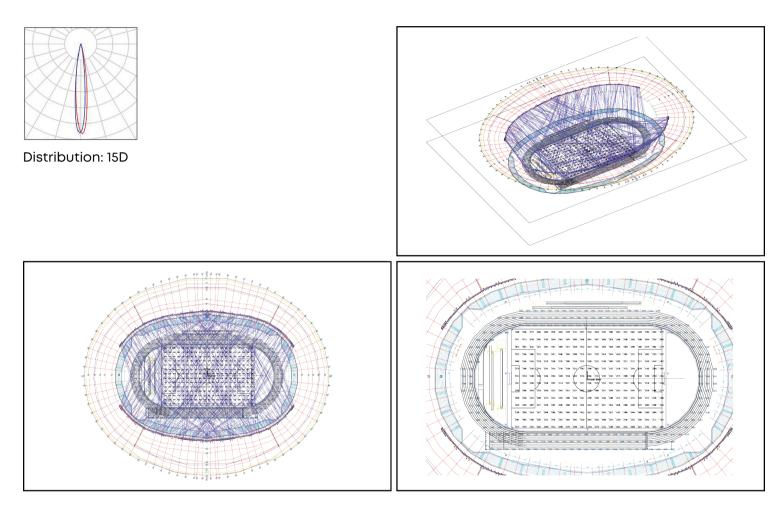
Reference Data

Number of floodlights setting		1800WiSF-HV-O37-00-5080-15D-P*248 pcs 1800WiSF-HV-S35-00-5080-2030D-P*32 pcs		
	Eav	2547 lux		
Horizontal illumiance	Emin	2299 lux		
honzontarniorniance	Uniformity U1 Emin/Emax	0.75		
	Uniformity U2 Emin/Eav	0.90		
	Eav	> 1500 lux		
Vertical illuminance on 4 directions	Emin	> 1000 lux		
reference plane	Uniformity U1 Emin/Emax	> 0.50		
	Uniformity U2 Emin/Eav	> 0.60		
Colour temperature (fc)		5000K		
Colour rendering (Ra)		≥ Ra80		
Glare rating		< 50		
Maintenance factor		0.90		
Total number of floodlights/field		280 pcs		

Referential Simulation Result

FIFA Standard A 1800W Stadium Lighting System

Inner foodball field: 105x68m Mounting height: 36.5m



Reference Data

Number of floodlights setting		1800WiSF-NV-S35-00-5790-15D*340 pcs			
Items		Football field Athletic f			
	Eav	2472 lux	2267 lux		
Horizontal illumiance	Emin	2298 lux 1588			
Honzontarmonnance	Uniformity U1 Emin/Emax	0.70	0.52		
	Uniformity U2 Emin/Eav	0.93	0.70		
	Eav	> 1500 lux			
/ertical illuminance on 4 directions	Emin	> 1000 lux			
reference plane	Uniformity U1 Emin/Emax	> 0.50			
	Uniformity U2 Emin/Eav	> 0.60			
Colour temperature (fc)		570	оок		
Colour rendering (Ra)		≥ R	a90		
Glare rating		< 50			
Maintenance factor		0.9			
Total number of floodlights/field		340 pcs			

Application Reference

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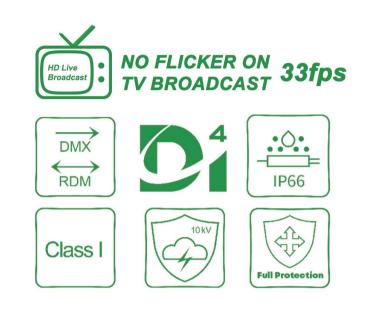
- Stadium
- Sports field
- Port

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Railway station

A New Power of **Professional Light**





The 1800W D4i/DMX-RDM power supply breaks free from traditional dimming limitations. It's perfect for various uses, lets you easily switch between two dimming modes, and simplifies SKU management.

It can handle strobe functions at speeds up to 33 fps, alternating between full brightness and complete darkness, no afterglow after shutdown.



A New Form of Green Light

Artificial light can be truly annoying. It can throw both us and nature off balance - The ISF floodlighting offers particularly animals and insects friendly light with 2700K~3000K options to reduce impact on the environment and the entire downstream food chain.

Environmental Protection Matters

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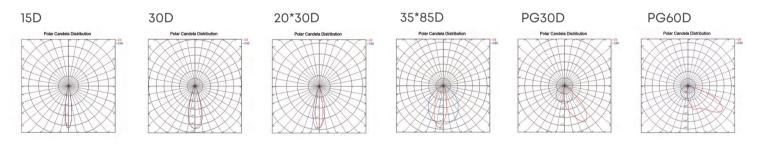
The process of manufacturing and disposing of the product must be taken into consideration. That's why we optimize energy usage and employ a clever modular concept in manufacturing our FSC product, as well as using plastic-free packaging. This is how we define eco-friendly products.

Parameter Table

Electrical Data									
Model		AOK-400WISF	AOK-600WISF	AOK-800WISF	AOK-1200WiSF	AOK-1500WISF	AOK-1800WiSF		
Power(W)		400W	600W	800W	1200W	1500W	1800W		
Modules		1	1	2	2	3	3		
Input Voltage			100-277V/277-		221	220-400	V, 50/60Hz		
THD					0%				
PF		0.10)//	DM/Ad Timere aligning (Obar		.90	DALL DAVE	20 (0550		
Control Option			PWM Timer diming (Star -40°C to 45°C	-40°C to 50°C	-40°C to 45°C		12 (Standard) -40°C to 45°C		
Ambient Temperature		-40°C to 50°C	-40 C to 45 C			-40°C to 50°C	-40 C to 45 C		
Driver Brand Surge Protection		Based on the actual project demand 20kV available							
Photometric Data				2067 0	Valiable				
Photometric Data	15D	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W		
	35*85D	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W		
Efficacy (Im/W, Std. Dev.		140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W		
±5%)@CCT=4000K,	30D	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W	150lm/W		
CRI>70Ra	PG30D	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W		
	PG60D	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W	140lm/W		
	15D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm		
	35*85D	60000lm	90000lm	120000lm	180000lm	225000lm	270000lm		
Luminous Flux (Im, Std.	20*30D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm		
Dev. ±5%)@CCT=4000K, CRI>70Ra	30D	60000lm	90000lm	120000lm	180000lm	225000lm	270000lm		
CRIZIORO	PG30D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm		
	PG60D	56000lm	84000lm	112000lm	168000lm	210000lm	252000lm		
	15D	1251m/W	1251m/W	125lm/W	1251m/W	1251m/W	1251m/W		
	35*85D	1351m/W	1351m/W	1351m/W	1351m/W	1351m/W	1351m/W		
Efficacy (Im/W, Std. Dev.	20*30D	125lm/W	1251m/W	125lm/W	1251m/W	125lm/W	125lm/W		
±5%)@CCT=4000K, CRI>70Ra, with visor	30D	1351m/W	1351m/W	135lm/W	1351m/W	1351m/W	135lm/W		
	PG30D	/	/	/	/	/	/		
	PG60D	/	/	/	/	/	/		
	15D	50000lm	75000lm	100000lm	150000lm	187500lm	225000lm		
	35*85D	54000lm	81000lm	108000lm	162000lm	202500lm	243000lm		
Luminous Flux (Im, Std.	20*30D	50000lm	75000lm	100000lm	150000lm	187500lm	225000lm		
Dev. ±5%)@CCT=4000K, CRI>70Ra, with visor	30D	54000lm	81000lm	108000lm	162000lm	202500lm	243000lm		
	PG30D	/	/	/	/	/	/		
	PG60D	/	/	/	/	/	/		
ULOR				= 0%, @ Lumina	ire inclination 0°				
ССТ		2700K, 3000K, 4000K, 5000K, 5700K							
CRI		Ra70, Ra80, Ra90							
Beam Angle				15D/20*30D/30D/35	*85D/PG30D/PG60D				
Mechanical Data									
IP/IK			IP66/	IK08, according to star	ndard EN 60529 and EN 6	62262			
Vibration Resistance				3G, conform to st	andard IEC 68-2-6.				
	Туре-А).11m² (1.20ft²)		.21m² (2.31ft²)		.32m² (3.39ft²)		
		Front view: 0.06m² (0.63ft²) Top view: 0.07m² (0.75ft²)		Front view: 0.06m² (0.63ft²) Top view: 0.07m² (0.75ft²)		Front view: 0.06m² (0.63ft²)			
	Туре-С		0.1m² (1.08ft²)	Front view: 0.2m² (2.19ft²)		to be updated			
SCx (EPA)	Туре-В		0.1m² (1.11ft²)	Top view: 0.11m² (1.20ft²)		Top view: 0.12m² (1.26ft²)			
	21.		0.13m² (1.39ft²)	Front view: 0.23m ² (2.45ft ²)		Front view: 0.32m ² (3.44ft ²)			
	Type-Bx (Driver fixed)).18m² (1.98ft²) 0.14m² (1.50ft²)	Top view: 0.2m² (2.14ft²) Front view: 0.23m² (2.45ft²)		Top view: 0.24m² (2.55ft²) Front view: 0.32m² (3.44ft²)			
Housing/Materials				Heavy-duty die-cast c	aluminum (EN AC-46100)				
Surface Treatment		Anti-UV thermoset	ting polyester/80 micro	n epoxy primer + Anti-U	V thermosetting polyes	ter (for extremely corro	osive environments).		
Painting				Black, Silver Grey,	Customized Color				
Cable			Pre-	wired with a 30 cm cabl	e (Other lengths on req	uest)			
Mounting		Υ	(PE-A (Top-fixed)), T	YPE-B (Yoke Mount),	TYPE-Bx (Driver fixed)	, TYPE-C (Top-fixed	II)		
LED									
LED Manufacturer				Seoul (CREE/LUA	AILEDS Optional)				
LED Model				Seoul 5050/Se	eoul Z5M4 3535				
	15D(3535Z5M4)	755mA	765mA	755mA	742mA	780mA	775mA		
	35*85D(5050)	375mA	383mA	375mA	370mA	385mA	385mA		
Working Current of	20*30D(3535Z5M4)	755mA	765mA	755mA	742mA	780mA	775mA		
Working Current of		775 . 4	383mA	375mA	370mA	385mA	385mA		
Working Current of Single LED	30D(5050)	375mA	30311IA	0701114	0701171	OODITIA	30011IA		
Working Current of Single LED	30D(5050) PG30D(5050)	375mA 352mA	350mA	352mA	350mA	360mA	358mA		
-									

Other Data									
Model		AOK-400WiSF	AOK-600WiSF	AOK-800WISF	AOK-1200WISF	AOK-1500WiSF	AOK-1800WiSF		
Lifespan			L90B10 > 100000hrs, @Ta 25°C						
Warranty			5 years in standard, 10 years optional						
Certification			ROHS/CE/CB/ENEC For other certificates please request						
	Туре-А	L599.2*W391.5*H15	L599.2*W391.5*H155mm/23.6*15.4*6.1 "		L607.2*W561.4*H155mm/23.9*22.1*6.1 "		L607.2*W731.4*H155mm/23.9*28.8*6.1 *		
Product Size	Туре-С	L599.2*W365.2*H16	L599.2*W365.2*H165mm/23.6*14.4*6.5 "		L607.2*W397.9*H335.0mm/23.9*15.7*13.2 "		-		
FIGUOELSIZE	Туре-В	L704.3*W281.0*H24	2.5mm/27.7*11.1*9.5 "	L704.7*W355.5*H368	L704.7*W355.5*H368.7mm/27.7*13.2*14.5 "		3mm/26.6*16.5*20.6 "		
	Type-Bx (Driver fixed)	L666.7*W491.2*H242	L666.7*W491.2*H242.5mm/26.2*19.3*9.5 "		L704.7*W561.8*H368.7mm/27.7*22.1*14.5 "		8mm/26.6*25.0*20.6 "		
	Туре-А	-	13.2kg (29.1 lbs) / 16.3kg (35.9 lbs)-Driver included		22.3kg (49.2 lbs) / 26.4kg (58.2 lbs) -Driver included		30.9kg (68.1 lbs) / 36.9kg (81.4 lbs) -Driver included		
NI	Туре-С	-	11.1kg (24.5 lbs) / 14kg (30.9 lbs) -Driver included		20.7kg (45.6 lbs) / 24.6kg (54.2 lbs)-Driver included		-		
Net Weight	Туре-В	-	12.8kg (28.2 lbs) / 15.9kg (35.1 lbs)-Driver included		23.5kg (51.8 lbs) / 26.9kg (59.3 lbs)-Driver included		31.1kg (68.6 lbs) / 37.2kg (82.0 lbs) -Driver included		
	Type-Bx (Driver fixed)	21.1kg (46.5 lbs) -D	21.1kg (46.5 lbs) -Driverbox included		32.5kg (71.7 lbs) -Driverbox included		41.4kg (91.3 lbs)		
	Туре-А	-	15.2kg (33.5 lbs) / 18.3kg (40.3 lbs) -Driver included		24.3kg (53.6 lbs) / 28.4kg (62.6 lbs) -Driver included		32.9kg (72.5 lbs) / 38.9kg (85.8 lbs) -Driver included		
Gross Weight	Туре-С	13.1kg (28.9 lbs) / 16kg (3	13.1kg (28.9 lbs) / 16kg (35.3 lbs)-Driver included		22.7kg (50.0 lbs) /26.6kg (58.6 lbs) -Driver included		-		
Gross Weight	Туре-В	-	14.8kg (32.6 lbs) / 17.9kg (39.4 lbs) -Driver included		26kg (57.3 lbs) / 29.4kg (64.8 lbs)-Driver included		33.1kg (73.0 lbs) / 39.2kg (86.4 lbs) -Driver included		
	Type-Bx (Driver fixed)	23.1kg (50.9 lbs) -E	23.1kg (50.9 lbs) -Driverbox included		35kg (77.2 lbs)-Driverbox included		43.4kg (95.7 lbs)		
	Туре-А	L660*W525*H190m	L660*W525*H190mm/25.98*20.67*7.48 "		L690*W690*H190mm/27.17*27.17*7.48 *		L960*W690*H200mm/37.80*27.17*7.87 "		
Carton Size	Туре-С	L660*W460*H215m	L660*W460*H215mm/25.98*18.11*8.46 "		L685*W430*H420/26.97*16.93*16.54 "		-		
	Type-B Type-Bx (Driver fixed)	L720*W610*H195mr	L720*W610*H195mm/28.35*24.02*7.68 "		L775*W775*H195mm/30.51*30.51*7.68 "		L920*W740*H200mm/36.22*29.13*7.87 "		
Application Field			Suite	able for stadium, sport:	s field, port, railway sto	ation			
Important Note!	rtant Note! The provided information is solely for reference; the official measurement report holds higher authority.						ority.		

Photometrics



Ordering Information

AOK		-	-			-	-
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	COLOR
400WiSF	NV1=100-277V	S5=Seoul 5050	00=Without Sensor	2770=2700K 70CRI	15=15D	TYPE-A=Top-fixed I	SG=Silver gray
600WiSF	HV1=277-480V	S35=Seoul 3535	PH=Photocell	3070=3000K 70CRI	3585=35*85D	TYPE-B=Yoke mount	BK=Black
800WiSF	HV2=220-400V		DV=Dimmable	4070=4000K 70CRI	2030=20*30D	TYPE-Bx=Driver fixed	Custom request
1200WiSF				5070=5000K 70CRI	30=30D	TYPE-C=Top-fixed II	
1500WiSF				5770=5700K 70CRI	PG30=PG30D		
1800WiSF				2780=2700K 80CRI	PG60=PG60D	Accessories & Control	
				3080=3000K 80CRI		SPD 10kV, 20kV optional	
				4080=4000K 80CRI		DALI, DMX512, Nema, Zh	aga
				5080=5000K 80CRI		Light visor optional	
				5780=5700K 80CRI			

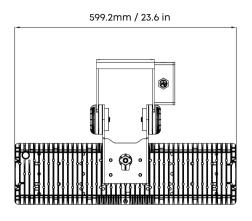
*HV2 is for 1500W-1800W. The above voltage input is the standard default parameter for certificate. Due to different standards in different countries, please confirm the actual local demand first. The power supply of the product can be customized flexibly.

Type A Bracket No.: Module*1: 1000-00398; Module*2: 1000-00399; Module*3: Pls inquire;

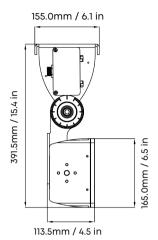
Type B Bracket No.: Module*1: 1000-00397; Module*2: 1000-00400; Module*3: 1000-00401;

Dimension TYPE-A: Top Fixed Installation

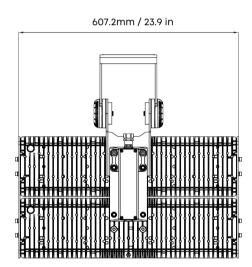
SCx (EPA)@25°:Top view: 0.11m² (1.20ft²) Front view: 0.06m² (0.63ft²)

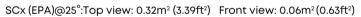


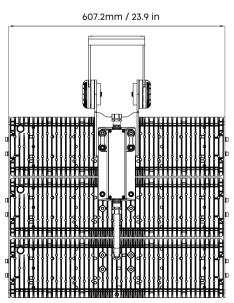
116° 116° 010.2mm / 0.4 in 0.4 in 0.4 in 0.4 in

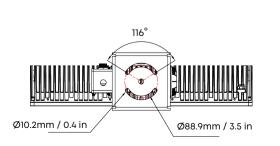


SCx (EPA)@25°:Top view: 0.21m² (2.31ft²) Front view: 0.06m² (0.63ft²)









122.1 in

145.5mm / 5.7 in

155.0mm / 6.1 in

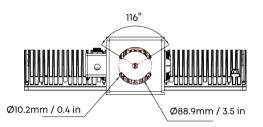
731.4mm / 28.8 in



504.8mm / 19.9 in

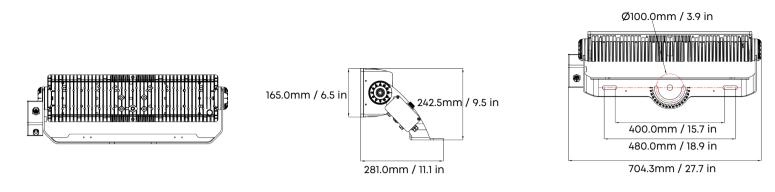
145.5mm / 5.7 in

0

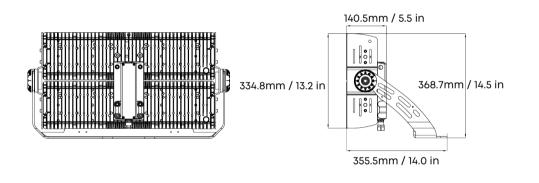


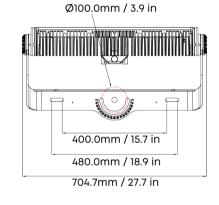
TYPE-B: Yoke Mount

EPA(@25°):Top view: 0.1m² (1.11ft²) Front view: 0.13m² (1.39ft²)

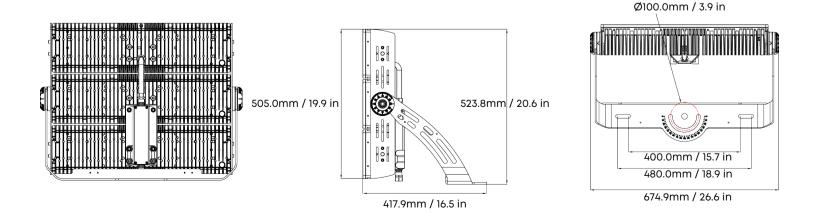


EPA(@25°):Top view: 0.11m² (1.23ft²) Front view: 0.23m² (2.45ft²)



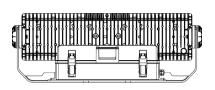


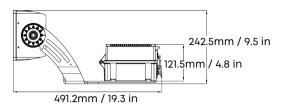
EPA(@25°):Top view: 0.12m² (1.26ft²) Front view: 0.32m² (3.44ft²)

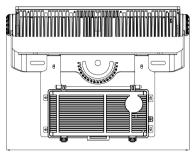


TYPE-B: Yoke Mount (With Driver)

EPA(@25°):Top view: 0.18m² (1.98ft²) Front view: 0.14m² (1.50ft²)

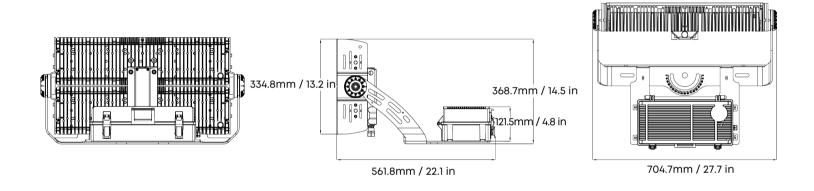




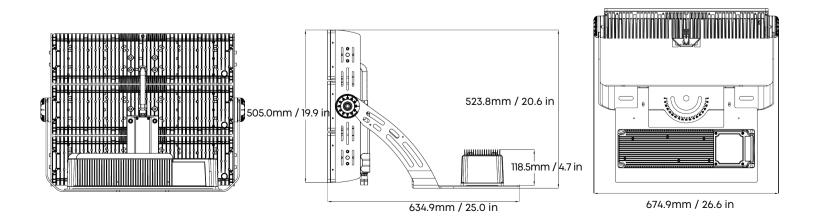


666.7mm / 26.2 in

EPA(@25°):Top view: 0.2m² (2.14ft²) Front view: 0.23m² (2.45ft²)

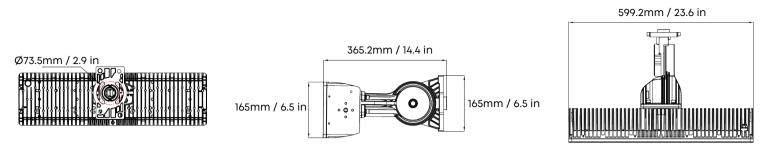


EPA(@25°):Top view: 0.24m² (2.55ft²) Front view: 0.32m² (3.44ft²)

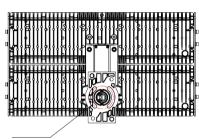


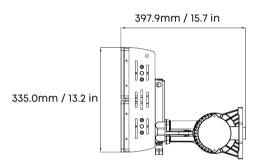
TYPE-C: Top-fixed II

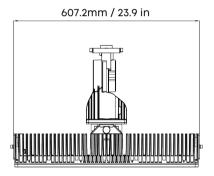
EPA(@25°):Top view: 0.07m² (0.75ft²) Front view: 0.1m² (1.08ft²)



EPA(@25°):Top view: 0.07m² (0.75ft²) Front view: 0.2m² (2.19ft²)







Ø73.5mm / 2.9 in



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