

200+ Patent Certificates
\$1,000,000+ Annual Energy Saving
20,000+ Projects Successfully Installed



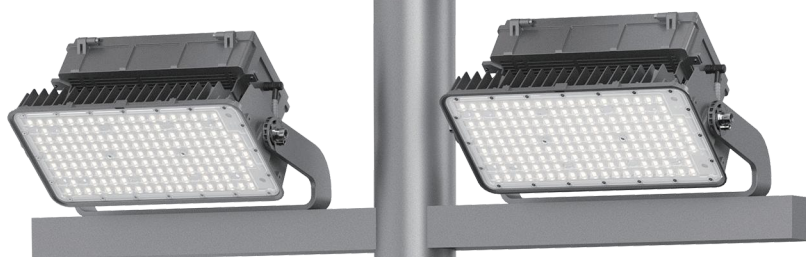
FSE Series LED Sports Light/Flood Light

Power: 500W/1000W



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

Features of **FSE** Series



Highbay

Lighting Solution Optional



500W ▶



Without Driver

Lighting Solution Optional



1000W ▶



WARRANTY

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

The **benefits** of opting FSE series

Body Design & Materials

Integral die-cast high-strength aluminum alloy with vertical channel-type heat sinks for natural convection. UV-resistant thermosetting polyester coating, salt-spray resistant >1,000 h, suited for coastal/industrial corrosive environments.

Flexible Light Distribution

Supported by a range of lens options, accurately addresses the lighting demands of different settings, from sports fields to public parks and cultural venues.

Thermal & Driver Module

Separate, detachable design between heatsink body and driver enclosure. Driver can be removed independently for repair/replacement without disassembling the LED module, greatly simplifying overhead maintenance.

Mounting & Adaptability

Lightweight aluminum brackets reduce fixture weight, lower pole load requirements, and facilitate transport and installation.



Modular Design
Easy To Maintain



Professional Optic
Design For Sports



Integrated
Design



Cost Savings
In Operations



Laser Aiming
Optional



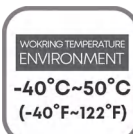
ULOR=0%
Low Glare



Eco-Friendly
Design



Light Weight
Design



With Driver (1000W)

15kg ±0.5kg

Without Driver (1000W)

10kg ±0.5kg

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Structural Description

FSE is **connected-ready** and can operate with various sensors and control systems.



Photocell
Optional



Zhaga
Supported



Nema
Socket

Laser Aiming Optional

Integrated laser target for quick, precise setup without tools.



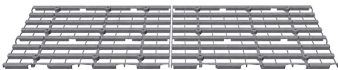
Bracket
Adjustable
($\pm 90^\circ$)



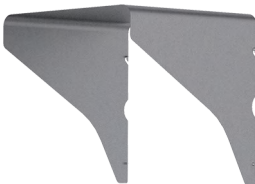
Tool-less Disassembly Design

Featuring an innovative separable construction with a plug-in waterproof cable interface, allowing quick and easy separation of the driver box from the thermal module.

Lighting Louver & Visor Optional:
Further reduce light pollution.



Lighting Louver



Visor



Safety rope as standard
instantaneous bearing
capacity >150kg

A New Form of **Green Light**



Environmental Protection Matters

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 ISF product, as well as using plastic-free packaging. This is how we define eco-friendly products.



Back Light Control ▶

Eliminate ineffective light output and improve light environment quality

ULOR=0%

100% precise-0% light pollution (@0°)

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

Application Reference

- Stadium
- Sports field
- Port
- Railway station
- Factory





Parameter Table

Electrical Data					
Model		AOK-FSE500W		AOK-FSE1000W	
Power(w)		500W		1000W	
Input Voltage		200-480Vac 50/60Hz			
THD		<10%			
PF		0.95			
Driver Efficiency		97%			
Maximum Current		AC2.5A		AC5A	
Control Option		Driver includes wiring for 0-10V dimming systems. Dim as low as 10%.			
Operating Temperature		-40°C to 50°C (-40 °F to 122 °F)			
Surge Protection		10kV / 20kV optional			
Photometric Data					
Efficacy & Luminous Flux @5050 (Std Dev ±5%) @CRI 70Ra, 5000K	15D	155lm/W	77500lm	155lm/W	155000lm
	20*30D	155lm/W	77500lm	155lm/W	155000lm
	30D	180lm/W	90000lm	180lm/W	180000lm
	60D	180lm/W	90000lm	180lm/W	180000lm
	PG60D	180lm/W	90000lm	180lm/W	180000lm
	T312	170lm/W	85000lm	170lm/W	170000lm
	T322	170lm/W	85000lm	170lm/W	170000lm
	T332	170lm/W	85000lm	170lm/W	170000lm
	30D Pro	200lm/W	100000lm	200lm/W	200000lm
	60D Pro	200lm/W	100000lm	200lm/W	200000lm
	PG60D Pro	200lm/W	100000lm	200lm/W	200000lm
	T312 Pro	190lm/W	95000lm	190lm/W	190000lm
	T322 Pro	190lm/W	95000lm	190lm/W	190000lm
	T332 Pro	190lm/W	95000lm	190lm/W	190000lm
CCT		2700K, 3000K, 4000K, 5000K, 5700K, 6500K			
CRI		70Ra, 80Ra			
LED Manufacturer		Other brands, customization acceptable, please request			
LED Model		A5050			
Lens		Polycarbonate			
Beam Angle		15°/20*30°/30°/60°/PG60°/T312(25*125°)/T322(30*120°)/T332(35*110°)			
Mechanical Data					
IP/IK Rating		IP66/IK08, according to standard EN 60529 and EN 62262			
Vibration Resistance		3G, conform to standard IEC 68-2-6			
EPA(SCx), Fixture Body		Side: 0.4713ft²(0.0438m²); Front: 1.4867ft²(0.1381m²)		Side: 0.7502ft²(0.0697m²); Front: 2.7749ft²(0.2578m²)	
Housing		Heavy-duty die-cast aluminum (ADC12)			
Heat Radiator		Aluminum alloy			
Surface Treatment		Anti-UV thermosetting polyester / Anti-UV thermosetting polyester (for extremely corrosive environments).			
Painting		Gray,Black, Custom request			
Cable		Pre-wired with a 30 cm cable (Other lengths on request)			
Mounting		Trunnion Mount, Yoke Mount			
Other Data					
Lifespan		L70B10 - 100 000 h, @Tq 25°C			
Warranty		5 years limited warranty (Warranty extension up to 10 years on request)			
Certification		CE, ROHS, ENEC			
Product Size (Without Driver)		514.1*180.1*321.4mm / 20.24*7.09*12.65inches		524.1*195.4*552.8mm / 20.63*7.69*21.76inches	
Net Weight (Without Driver)		5.5KG±0.5 /12.12LBS±1.1		10.0KG±0.5 /22.04LBS±1.1	
Product Size		514.1*302.1*321.4mm / 20.24*11.89*12.65inches		524.1*317.4*552.8mm / 20.63*12.49*21.76inches	
Net Weight		9.2KG±0.5 /20.28LBS±1.1		15.8KG±0.5 /34.83LBS±1.1	
Carton Size		540*300*300mm / 21.25*11.81*11.81inches		655*560*275mm / 25.78*22.04*10.82inches	
Gross Weight		10.2KG±0.5 / 22.48LBS±1.1		17.2KG±0.5 /37.91LBS±1.1	

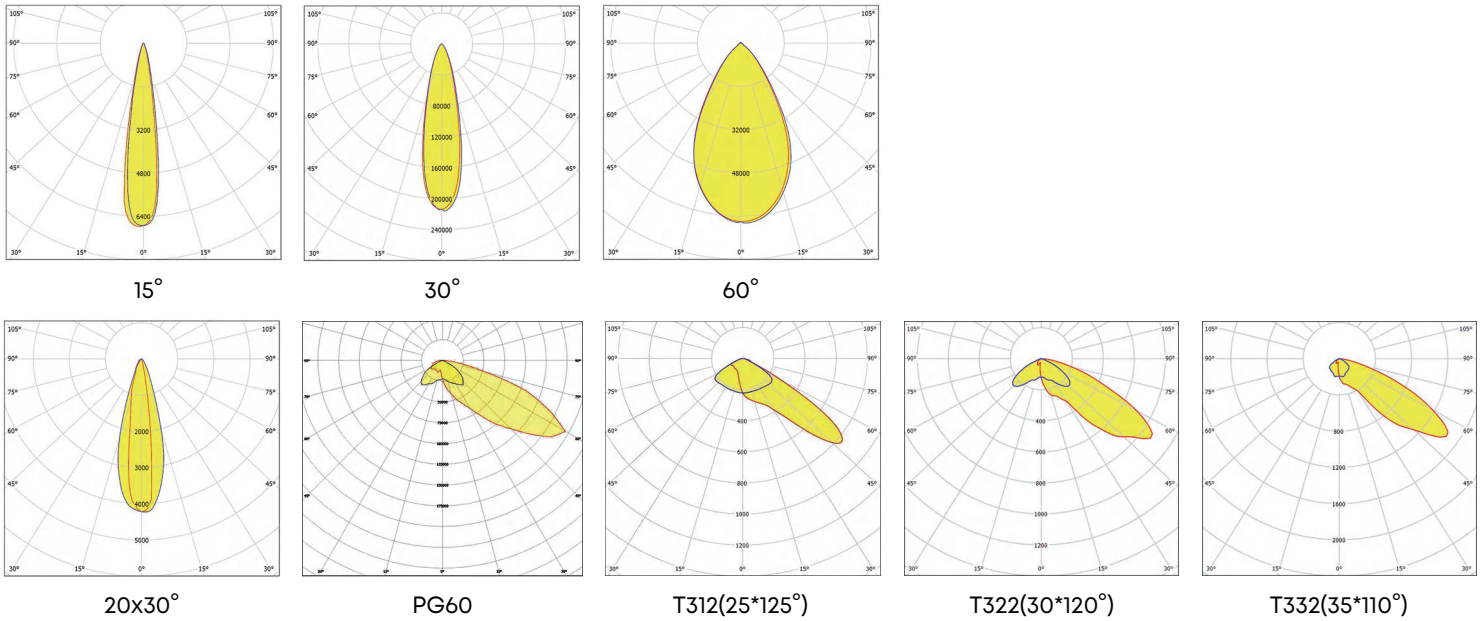
Important Note! The provided information is solely for reference; the official measurement report holds higher authority.

*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.

Ordering Information

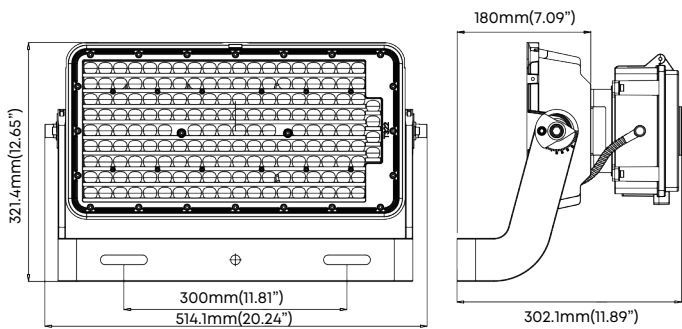
AOK							
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	PAINTING	MOUNT
500WFSE	HV=200-480V	A5=A5050	00=Without Sensor	XX70=2700K-6500K 70CRI	15D=15°	GR=Gray	Trunnion
1000WFSE			PH=Photocell	XX80=2700K-6500K 80CRI	30D=30°	BK=Black	Yoke
					60D=60°	Custom request	
					20*30D=20*30°		
					PG60D=PG60°		
					T312(25*125°)		
					T322(30*120°)		
					T332(35*110°)		
						Accessories	
						SPD 10kV, 20kV optional	

Photometry

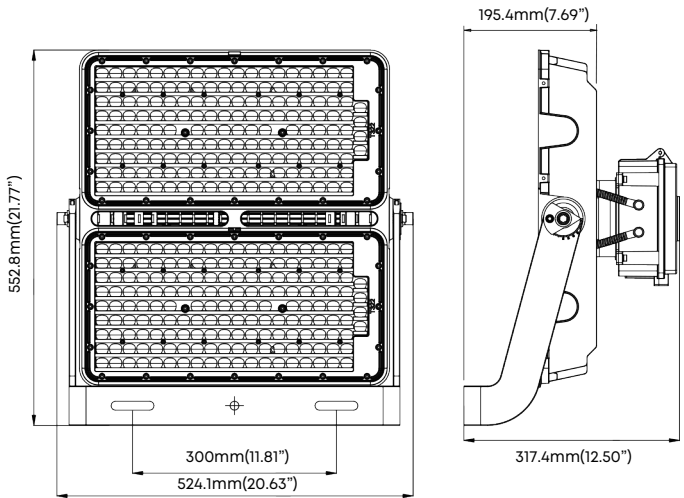


Dimensions

500W



1000W





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