



Quality, Honesty, Service and Innovation



INS

-SERIES

**HIGH PERFORMANCE LED
STADIUM LIGHT
SPORTS LIGHT**

UP TO **1500W MHL REPLACEMENT**
● POWER: 315W, 460W, 580W

**EXPERT WITH
PROFESSIONAL SOLUTION**

WWW.AOKLEDLIGHT.COM

AOK LED EXPERT BRIGHTER YOUR FUTURE

Over 10 years experiences in designing and manufacturing outdoor, commercial and industrial LED light, AOK provides multi-range of products to customers with professional solution. More than 4000 M² manufacturing center produces high-grade LED lights, which meets ISO9001:2008 and ISO14001 standard, issued by UKAS. Quality, honesty, service and innovation, our core values are making best business experience to clients around the world.



▶ FEATURE OF 「IN」 PRODUCT

- PC lens arrangement adopts matrix full light cutting design. By adding a concave light retaining wall, excess light can be removed and the effect of receiving & blocking can be achieved. The design scheme can meet users' requirements for light seeing range to a greater extent.
- PC lens: 30°, 60°, 90° rich light distribution types, its photosynthetic efficiency can be as high as 160 lm/W, higher photosynthetic efficiency, more energy efficient. At the same time it alternatively use a single large glass lens, 45°, 60°, 90°, 70° * 140° above-angles of lens to meet customer and market demand.
- The overall streamline of the lamp body is beautiful, generous and decent. The back adopts fin type heat dissipation structure, with better heat dissipation effect. Edge sinking design and convection vents, optimize air convection quality, strengthen heat dissipation, fully ensure the life of the lamp.
- Multiple methods of installation and power supply placement to meet different requirements. External or internal power supply.
- Induction mounting hole is reserved. Offer customers more functional options and more convenient for upgrading in the future.
- IP66 protection grade, waterproof structure design + high resistance wire silicone waterproof ring design, double protection, safer. Better protection of the lamp IP performance.
- Super bracket design, bracket strength can support more than 10 times the weight of the lamp body, the safety factor is higher than counterparts.

PRODUCT FEATURES

- AOK INS series LED Stadium Light is designed for exterior sports lighting, a superior high output, high efficiency LED flood light, featuring a unique optical design that virtually eliminates glare with minimal impact on performance. It is available in a variety of flood distributions for lighting applications such as large areas, port and rail centers, exterior sports etc.

CONSTRUCTION

- Heavy duty die-cast aluminum housing.
- Driver compartment separated from light fixture, reduced on the gross weight.
- Light engine is thermally isolated from driver compartment.
- UV stabilized polyester powder paint finish.

OPTICAL / ELECTRIC

- Three light distributions to maximize performance: 30°, 60°, 90°
- 40°C-50°C operating temp range
- 1-10V dimming driver device standard
- 100-277Vac operation 50/60HZ standard, 347V/480V 50/60HZ optional

UNIFIED GLARE RATING

- Glare has always been a concern with LED products and it has got increasingly more attention with higher output fixtures. The standard low glare shield block lights outside of the main beam, so from other viewing angles the fixture virtually disappears. The low glare shields were also design to have minimum impact on the total light output

FINISH

- Rugged, weather-tight design and 3G Vibration ratings ensure durability even in harsh environments.

LED

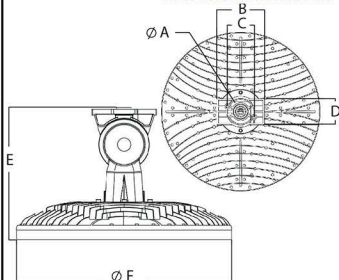
- Modular optical assemblies enable 3 unique performance packages
- 50K lumen, 315Watts
- 78K lumen, 460Watts
- 90K lumen, 580Watts
- 3000K, 4000K, 5000K, 5700K, 6500K CCT
- Minimum CRI of 70, 80 and 90 optional

up to 170lm/w

INS SERIES



FIXTURE DIMENSIONS



	A	B	C
300W INS	7.3cm/2.9"	16.5cm/6.5"	9.3cm/3.6"
	D	E	F
	9.0cm/3.5"	34.3cm/13.4"	46.8cm/18.3"
500W INS	A	B	C
	7.3cm/2.9"	16.5cm/6.5"	9.3cm/3.6"
	D	E	F
	9.0cm/3.5"	33.6cm/13.2"	55.0m/21.6"

ORDERING INFORMATION

AOK	WATTS	CCT&CRI	Driver	VOLTAGE	LED CHIPS	SENSORS	DISTRIBUTION	HOUSING
315WinS	3070= 3000K 70CRI	4070= 4000K 70CRI	Remotely installed	NV=100-277V HV=347V/480V	L5=Lumileds5050	00=Without sensor PH=Photocell DV=Dimmable	30D=30° 60D=60° 90D=90°	BK=Black SL=Silver Gray
460WinS	5070= 5000K 70CRI	5770= 5700K 70CRI						
580WinS	3080= 3000K 80CRI	4080= 4000K 80CRI						
	5080= 5000K 80CRI	5780= 5700K 80CRI						

TECHNICAL SPECIFICATIONS

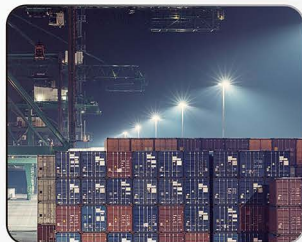
MODEL	WATTS	INITIAL DELIVERED LUMENS	Replace MHL	IP & IK	FIXTURE DIMENSION	NW	PACKING DIMENSION	GW
AOK-315WinS	315W	51975lm	1000W	IP65&IK08	18.3*18.3*13.4" (46.8*46.8*34.3cm)	30.8lbs (14kg)	21.25*21.25*16.33" (54.0*54.0*41.5cm)	37.5lbs (17kg)
AOK-460WinS	460W	78200lm	1200W	IP65&IK08	21.6*21.6*13.2" (55.0*55.0*33.6cm)	39.68lbs (18kg)	24.4*24.4*15.94" (62*62*40.5cm)	47.4lbs (21.5kg)
AOK-580WinS	580W	92800lm	1500W	IP65&IK08	21.6*21.6*13.2" (55.0*55.0*33.6cm)	39.68lbs (18kg)	24.4*24.4*15.94" (62*62*40.5cm)	47.4lbs (21.5kg)

► APPLICATIONS

Special Design for Highway/Dock/High Mast High Power LED Lighting, Up to 1500MHL Replacement



► APPLICATIONS



BEST PARTNER OF LUMILEDS

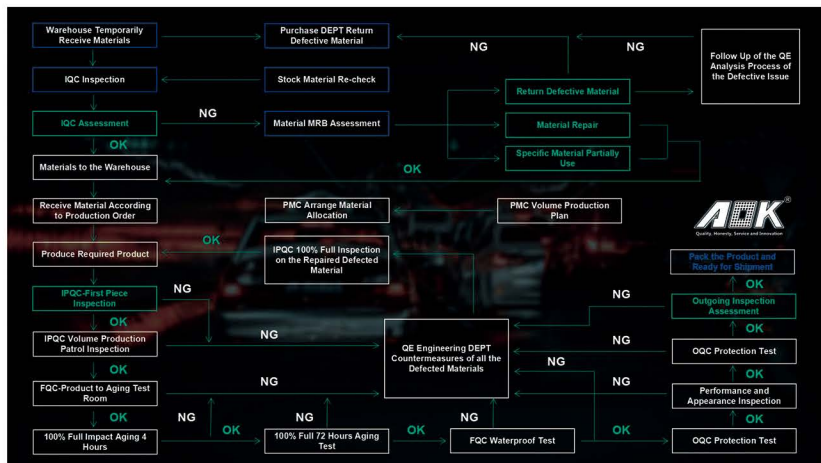
• AOK has the Best Partnership with Lumileds since 2013. AOK and LUMILEDS' engineers and technicians are deeply working together to maximize the performance of AOK's luminaires. Each year the professional technicians from LUMILEDS fly to AOK and providing the latest updates of Lumileds technology and improvements. All AOK LED luminaires fully considered the features of LUMILEDS LUXEON LED chip and maximized the capacity of the LEDs.



• AOK IU Series UFO high bay light displaying in LUMILEDS' booth in LFI 2016, San Diego, as the most successful implement demonstration of LUXEON 3030-2D LEDs.

QUALITY CONTROL

• The quality of AOK product is strictly controlled by its comprehensive quality control process. From the IQC of the raw material to the OQC of the completed product, AOK is checking the product quality in every step. Since this process implemented, the general failure rate of AOK product is controlling in <0.2%.



CERTIFICATIONS



• All of AOK's main products have the top level certificates in Europe, America and Australia areas. Including: TUV-GS for Europe, UL&DLC for US, cUL for Canada, CE, EMC, LVD, RoHS, CB, TM21, IK10, etc. And all of them are with 5 years warranty on the complete luminaire.

AOK luminaires		
European Edition	American Edition	Australian Edition
TUV-GS, CE, EMC, LVD, RoHS, CB, TM-21, IK10	UL/cUL, DLC, CE, EMC, LVD, RoHS, CB, TM-21, IK10	SAA, CE, EMC, LVD, RoHS, CB, TM-21, IK10



Major TUV-GS Standards complied by AOK luminaires		
EN60598-1	Common requirements and tests for luminaire	
EN60598-2-3	Specialized requirements for road and street lighting	
EN-61347-1	Common safety requirement of control device of luminaire	
EN-61347-2-13	AC and DC electrical control on LED module, etc.	
EN61547	Safety of electronic radiation to human body	
EN62471	Safety of photobiology	
EN55015	Compatibility of luminaire and other electronic devices	
EN61000	Electromagnetic compatibility limits	

Major UL Standards complied by AOK luminaires		
Input & Output Test	Leakage Current from Enclosure Measurement	Risk of Electric Shock
Normal & Abnormal Temperature Test	Class P Fault Condition Tests	Dielectric Voltage-Withstand Test
Drop Test	Compact Test	Strain Relief Test
Mold Stress Test	Humidity Test	Water-spray Test

Please check with IL street light's UL and TUV-GS test reports for the details of these standards.



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