



## HIGH PERFORMANCE LED STADIUM LIGHT/SPORTS LIGHT

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





OVER YEARS 10 10 EXPERIENCE WWW.aokledlight.com



- · 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.
- The overall streamline of the fixture 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 fixture.
- · 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 fixture body, the safety factor is higher than counterparts.

UP TO 165









**IP66** 























# Better Performance Starts with Better Lighting





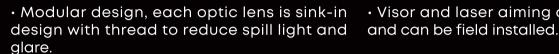


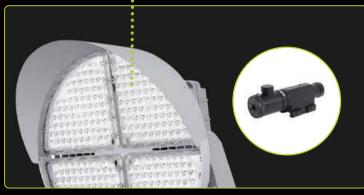
### > Photometric Design

- · 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 INS 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.

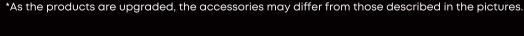




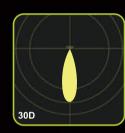




· Modular design, each optic lens is sink-in · Visor and laser aiming accessories available











· Accurate light distribution for different project needs.



- Glare & light pollution
- Light spills out

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



(INS-B) with passive cooling technology. Driver housing is easily accessible and swings open to allow for access to components including driver dimming

leads.

## > Application Reference





#### **Parameter Table**

Electrical Data						
Model		AOK-315WiNS	AOK-380WiNS	AOK-460WiNS	AOK-580WiNS	AOK-720WiNS
Power(W)		315W	380W	460W	580W	720W
nput voltage		100-277VAC, 50/60Hz, 347/480VAC optional				
THD		< 20%				
PF				> 0.90		
Control Option			DALI, 1-10V/PWM/Timer	dimming, Nema, Zhaga/Pre	sence detection sensor.	
UGR				<19		
Operating temperature				40°C to 50°C (-40 °F to 122 °F)		
Oriver brand				Meanwell/Inventronics		
Surge Protection		10kV/20kV optional				
Photometric Data						
	15D	138.4 lm/W	139.1 lm/W	139.7 lm/W	135.3 lm/W	135.3 lm/W
efficacy(Im/W)	30D	166.6 lm/W	157.1 lm/W	162.0 lm/W	160.0 lm/W	152.9 lm/W
CRI 70Ra, 5000K) Std Dev ±3%)	60D	167.9 lm/W	156.8 lm/W	167.6 lm/W	163.1 lm/W	156.3 lm/W
3ta Dev 13/0)	120D	_	_	169.8 lm/W	165.5 lm/W	168.4 lm/W
	15D	43261 lm	52098 lm	63821 lm	78187 lm	96089 lm
uminous flux (Im)	30D	52566 lm	58621 lm	73677 lm	92329 lm	109447 lm
Std Dev ±3%)	60D	52929 lm	58622 lm	77315 lm	93205 lm	112023 lm
,	120D	_	_	78108 lm	95990 lm	120878 lm
JLOR			= 0'	%, @ Luminaire inclination		
ССТ				00K, 4000K, 5000K, 5700K, 650		
CRI		Ra 70, Ra 80, Ra 90 optional				
Beam angle		15D/30D/60D/120D				
ED Manufacturer				LUMILEDS		
.ED model				Lumileds 5050		
LED MOUCE	15D	75mA	90mA	66mA	85mA	105mA
Norking current of single	30D	47mA	56mA	39mA	50mA	63mA
ED	60D	47mA	56mA	39mA	50mA	63mA
Standard product)	120D	47mA	56mA	39mA	50mA	63mA
	1200	4/IIIA				бзіпа
Lens				lycarbonate, modular desig		
ifespan Mechanical Data			L	90B10 > 100000hrs, @Ta 25°0	<u> </u>	
			IDCC HIMO	l:	1 5N 62262	
P/IK				ording to standard EN 60529		
/ibration resistance			,	conform to standard IEC 68-		
SCx(EPA, Fixture body)		Front: 0.204386m² (2.2ft²) Front: 0.285212m² (3.07ft²) Side: 0.115943m² (1.248ft²) Side: 0.132665m² (1.428ft²)				
Housing/Materials			Heavy-du	ty die-cast aluminum (EN A	C-46100)	
Surface treatment		Anti-UV thermosetting p	polyester/80 micron epoxy pr	imer, Anti-UV thermosettin	g polyester (for extremely co	orrosive environment
Painting		Black, Silver gray, Custom request				
Cable		Pre-wired with a 30 cm cable (Other lengths on request)				
Mounting		TYPE A/TYPE B/TYPE C/TYPE D				
Others						
Warranty			5 years (Warra	nty extension up to 10 year	s on request)	
Certification		UL/cUL/SAA/CE/FCC/ENEC/TUV,For other certificates please request				
	TYPE-A	ф468*3	343mm		ф550*336mm	
Product size	TYPE-B	· · · · · · · · · · · · · · · · · · ·	9*407mm		ф550*602*315mm	
Net weight	TYPE-A	10.3kg	10.3kg	16.08kg	16.08kg	16.08kg
	TYPE-B	16.5kg	16.5kg	23.2kg	23.2kg	23.2kg
	111 -0					
·VDF_A		540*540*415mm 640*640*435mm				
		CCV*CC			640*640*435mm	
ГҮРЕ-В		550*555		40.60		40.601
TYPE-A TYPE-B TYPE-A TYPE-B		550*555 13.27kg 19.5kg	13.27kg 19.5kg	19.68kg 26.8kg	19.68kg 26.8kg	19.68kg 26.8kg

#### Construction

- · Heavy duty die cast aluminum housing.
- Light engine is thermally isolated from the driver compartment.
- UV Stabilized polyester powder paint finish rated for 1000 hour salt spray.
- · Easy maintenance access to electrical components.
- Rugged, weather-tight design and 3G Vibration ratings ensure durability even in harsh environments.

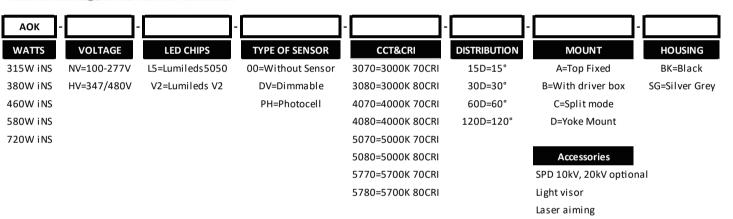
#### **Optics**

- Four available light distributions: 15°, 30°, 60°, 120°.
- High impact UV stabilized polycarbonate outer lens protects LEDs and allows for cleaning and debris removal.

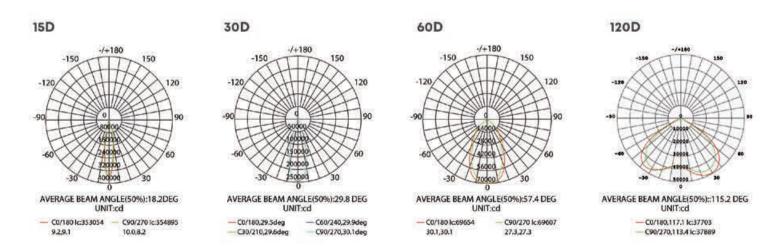
#### Electrical

- 0-10 Volt Dimming Driver
- Dimming Drivers available for use with control devices (provided by others). Dimming leads contained in driver housing (integrated model).
- Vottage option: 100-277VAC, 50/60HZ standard;
   347V-480V, 50/60Hz optional.
- Ambient Operating Temperature: -40° C to 50° C (-40° F to 122°F); INS-B: -40°C to 40°C(-40°F to 104°F).
- Drivers have 90% power factor and less than 20% THD, SPD optional.

#### Ordering Information



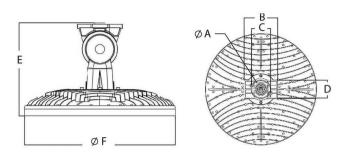
#### **Photometrics**





#### **Dimensions**

#### INS-A



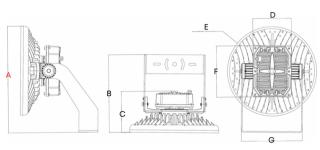
#### 315W-380W

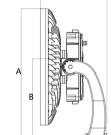
Α	В	С
7.3cm(2.9")	16 .5cm(6.5")	9.3cm(3.6")
D	E	F

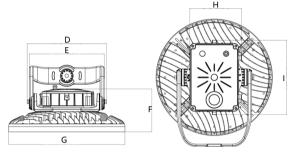
#### 460W-720W

Α	В	С
7.3cm(2.9")	7.3cm(2.9")	9.3cm(3.6")
D	E	F
9.0cm(3.5")	33.6cm(13.2")	55.0cm(21.6")

#### INS-B







315W-380W

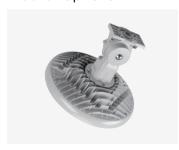
A	В	С	D
55.96 cm(22.0")	40.68 cm(16.0")	21 .4cm(8.4")	20.3cm(8")
E	F	G	
46.8cm(18.4")	26.8cm(10.5")	32.01 cm(12.6")	

460W-720W

Α	В	С	D	E
60.2cm(23.7")	36.6cm(14 .4")	31 .48 cm(12 .4")	37.5cm(14.7")	35.4cm(13.9")
F	G	Н	I	
20, 25 cm(8.0")	55 Ocm(16 ")	24 5cm(9 6")	35 1 cm(13 8")	

#### Accessories

#### **Bracket Options**



INS-A

Top Fixed Installation









Under Mount Yoke (split mode)

INS-D Yoke Mount



Photocell





Laser aiming

Under Mount Yoke (with driver box)

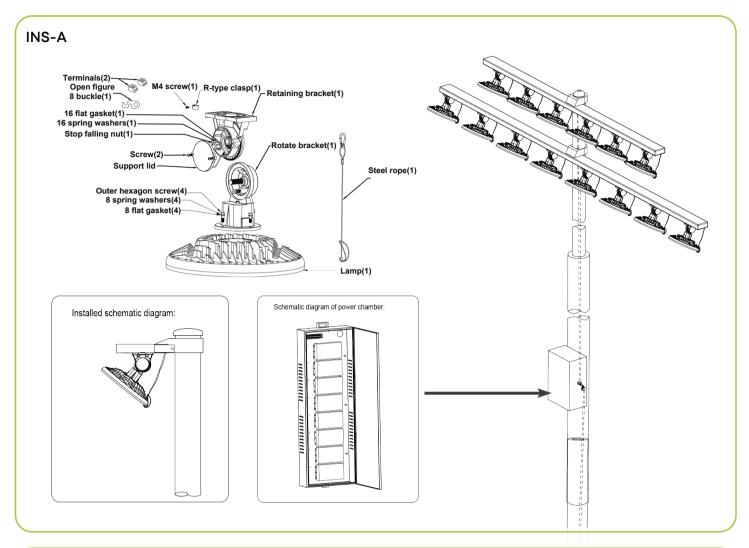


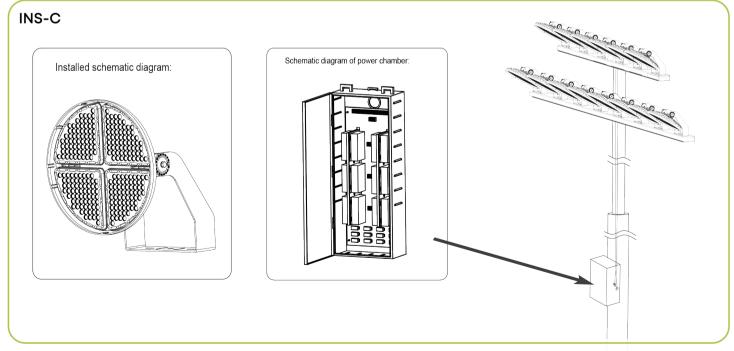


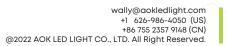


Timing control

#### **Recommended Installation**









<sup>\*</sup>As the products are upgraded, the accessories may differ from those described in the pictures. Please consult with our sales team for updated details and order separately.



## Illuminate Your Future



wally@aokledlight.com www.aokledlight.com +1 626-986-4050 (US) +86 755 2357 9148 (CN)

Manufacturing: Building 1 & 4, St. George's Science and Technology Industrial Park, Shajing Street, Shenzhen, China, 518124.

Fuzhou HQ: Room 301, Yujing Business Center Zone 1, No. 12 Baihuazhou road, Cangshan district, Fuzhou, China, 350007

NorthAmerica HQ: 18541 E Gale Ave, City of Industry, CA91748 USA

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