



INS

-SERIES

**HIGH PERFORMANCE LED  
STADIUM LIGHT  
SPORTS LIGHT**

UP TO **2000W MHL REPLACEMENT**

● POWER: 315W, 380W, 460W, 580W, 720W

**EXPERTS WITH  
PROFESSIONAL SOLUTION**

[WWW.AOKLEDLIGHT.COM](http://WWW.AOKLEDLIGHT.COM)  
2019.09-3rd Edition

## 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 20000 M<sup>2</sup> 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



**INS-A**

Top Fixed  
Installation



**INS-B**

Under Mount Yoke  
(with driverbox)



**INS-C**

Under Mount Yoke  
(split mode)



**INS-D**

Yoke Mount



**INS-D**

Add a Slip Fitter

- 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 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: 15°, 30°, 60°.
- -40° C to 50° C (-40°F to 122°F) average 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 5 unique performance packages:

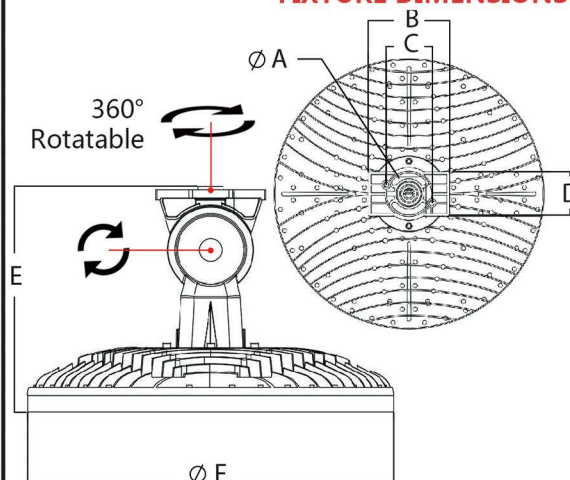
- 51K lumen, 315Watts;
- 60K lumen, 380Watts;
- 75K lumen, 460Watts;
- 95K lumen, 580Watts;
- 112K lumen, 720Watts;
- 3000K, 4000K, 5000K, 5700K, 6500K CCT.
- Minimum CRI of 70, 80 and 90 optional.

up to 170lm/w

INS SERIES



## FIXTURE DIMENSIONS



|                      | A          | B            | C            |
|----------------------|------------|--------------|--------------|
| 315W<br>380W         | 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" |
|                      | A          | B            | C            |
| 460W<br>580W<br>720W | 7.3cm/2.9" | 16.5cm/6.5"  | 9.3cm/3.6"   |
|                      | D          | E            | F            |
|                      | 9.0cm/3.5" | 33.6cm/13.2" | 55.0cm/21.6" |

## ORDERING INFORMATION

| AOK  |                            |                                   |  |  |                               |  |                            |
|--|----------------------------|-----------------------------------|--|--|-------------------------------|--|----------------------------|
| WATTS  | VOLTAGE                    | LED CHIPS                         | TYPE OF SENSOR                                   | CCT&CRI  | DISTRIBUTION                  | MOUNT  | HOUSING                    |
| 315W iNS<br>380W iNS<br>460W iNS<br>580W iNS<br>720W iNS | NV=100-277V<br>HV=347/480V | L5=Lumileds5050<br>V2=Lumileds V2 | 00=Without Sensor<br>DV=Dimmable<br>PH=Photocell | 3070=3000K 70CRI<br>3080=3000K 80CRI<br>4070=4000K 70CRI<br>4080=4000K 80CRI<br>5070=5000K 70CRI<br>5080=5000K 80CRI<br>5770=5700K 70CRI<br>5780=5700K 80CRI | 15D=15°<br>30D=30°<br>60D=60° | A=Top Fixed Installation<br>B=Under Mount Yoke (with driverbox)<br>C=Under Mount Yoke (split mode)<br>D=Yoke Mount | BK=Black<br>SL=Silver Gray |

## CERTIFICATIONS



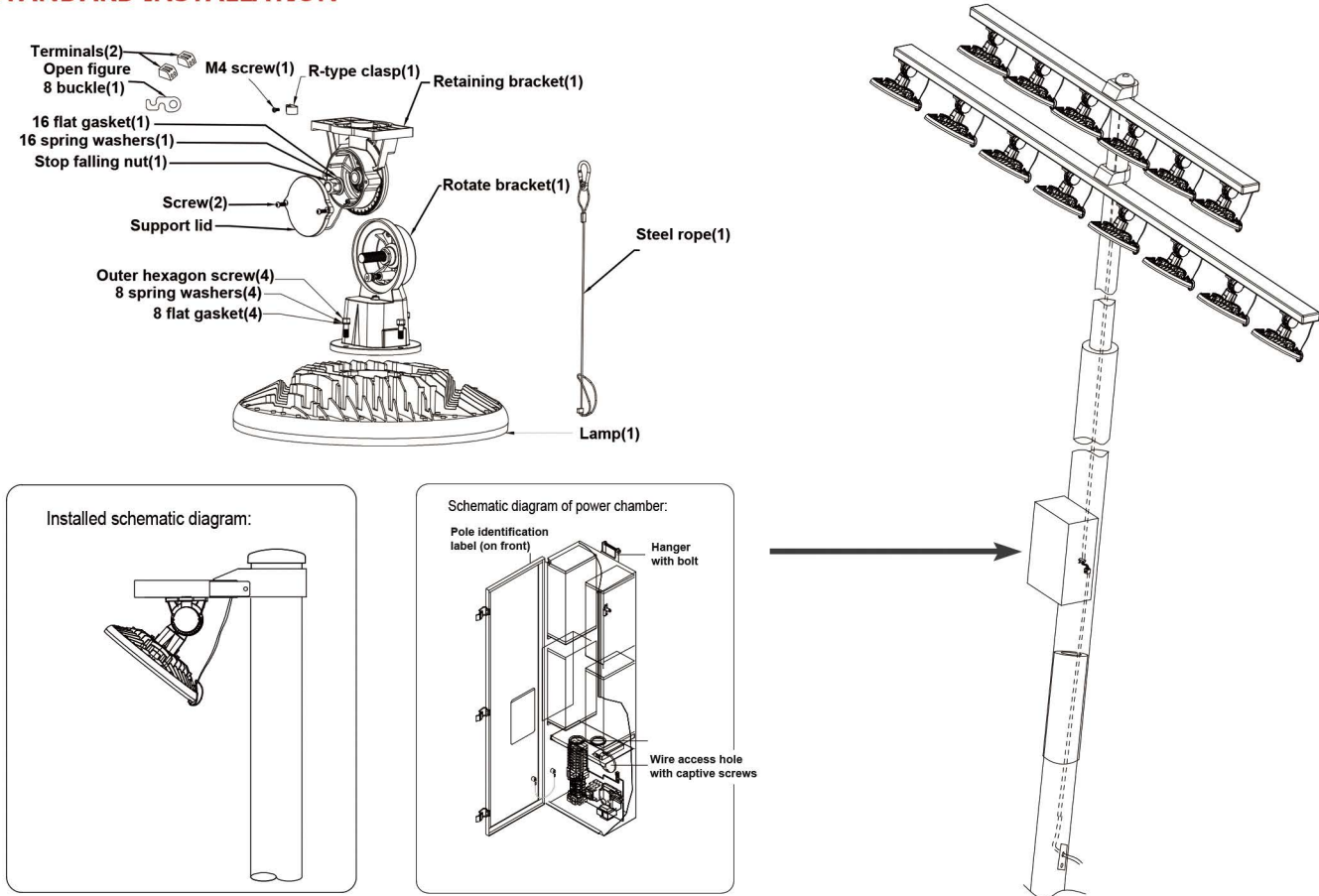
WARRANTY

10-year warranty standard. Please consult with AOK sales for detailed agreement.

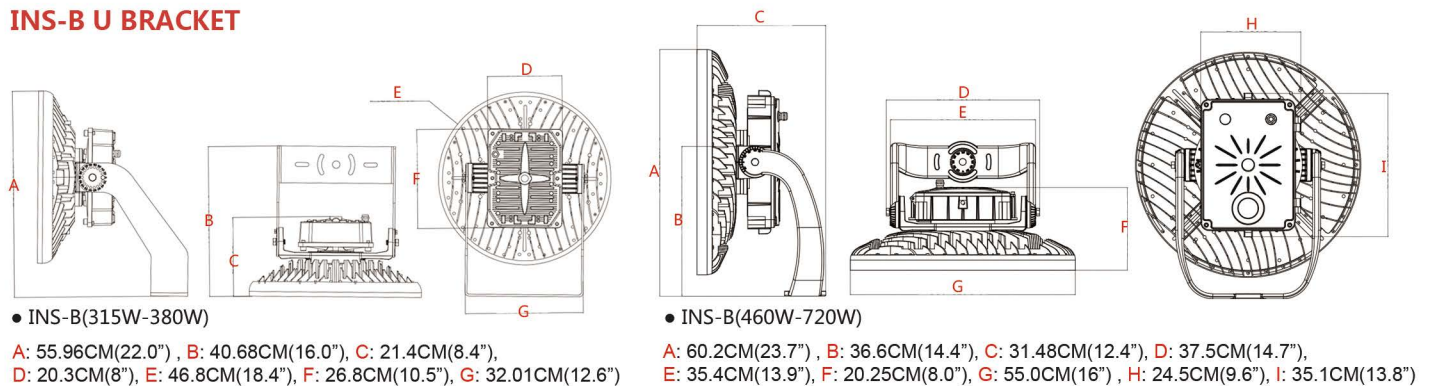
## TECHNICAL SPECIFICATIONS

| MODEL        | WATTS | Luminaire<br>Lumen Output | Replace MHL | IP&IK       | FIXTURE<br>DIMENSION                   | NW              | PACKING<br>DIMENSION                      | GW               |
|--------------|-------|---------------------------|-------------|-------------|--|-----------------|---|------------------|
| AOK-315W iNS | 315W  | 51030lm                   | 1000W       | IP66 & IK10 | 18.3*18.3 *13.4"<br>(46.8*46.8*34.3cm) | 30.8lbs (14kg)  | 21.25*21.25 *16.33"<br>(54.0*54.0*41.5cm) | 37.5lbs (17kg)   |
| AOK-380W iNS | 380W  | 60800lm                   | 1100W       | IP66 & IK10 | 18.3*18.3 *13.4"<br>(46.8*46.8*34.3cm) | 30.8lbs (14kg)  | 21.25*21.25 *16.33"<br>(54.0*54.0*41.5cm) | 37.5lbs (17kg)   |
| AOK-460W iNS | 460W  | 75900lm                   | 1200W       | IP66 & IK10 | 21.6*21.6 *13.2"<br>(55.0*55.0*33.6cm) | 39.68lbs (18kg) | 24.4*24.4 *15.94"<br>(62*62*40.5cm)       | 47.4lbs (21.5kg) |
| AOK-580W iNS | 580W  | 95700lm                   | 1500W       | IP66 & IK10 | 21.6*21.6 *13.2"<br>(55.0*55.0*33.6cm) | 39.68lbs (18kg) | 24.4*24.4 *15.94"<br>(62*62*40.5cm)       | 47.4lbs (21.5kg) |
| AOK-720W iNS | 720W  | 112320lm                  | 2000W       | IP66 & IK10 | 21.6*21.6 *13.2"<br>(55.0*55.0*33.6cm) | 39.68lbs (18kg) | 24.4*24.4 *15.94"<br>(62*62*40.5cm)       | 47.4lbs (21.5kg) |

## STANDARD INSTALLATION



## INS-B U BRACKET





## Special Design for High Performance LED StadiumLight/Sports Light, Up to 2000MHL Replacement

