



IINS HIGH PERFORMANCE
LED STADIUM LIGHT/SPORTS LIGHT



100+ Patent Certificates
\$1,000,000+ Annual Energy Saving
10,000+ Projects Successfully Installed

OVER YEARS 
10 EXPERIENCE
www.aokledlight.com



> Features of INS Series

- 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 lm/W	L90B10 >100000hrs @ 25 °C	Working Temperature Environment -40°C~50°C (-40°F~+122°F)	CRI 70/80/90	• 3000K • 4000K • 5000K • 5700K • 6500K
IP66 IK10	5G VIBRATION TESTING	100-277V or 277-480V 50/60HZ	ANTI-GLARE DESIGN	DIM

Note: Normal Voltage=100-277VAC, High Voltage=277-480VAC, please evaluate before choosing. For the power supply in the United States and Canada, in case the input voltage fluctuation $\geq 240V$ the High Voltage solution is highly recommended for performance stability. Improper selection will cause damage to the driver or the light.

Better Performance Starts with Better Lighting

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

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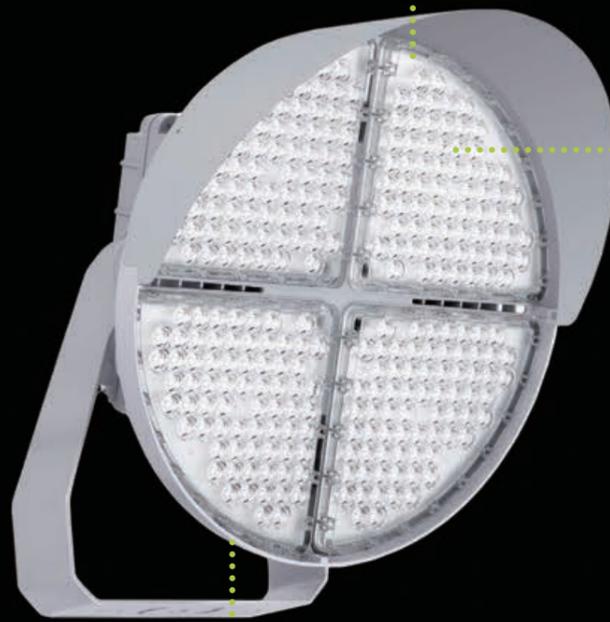


> Photometric Design

- 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 design with thread to reduce spill light and glare.



- Visor and laser aiming accessories available and can be field installed.

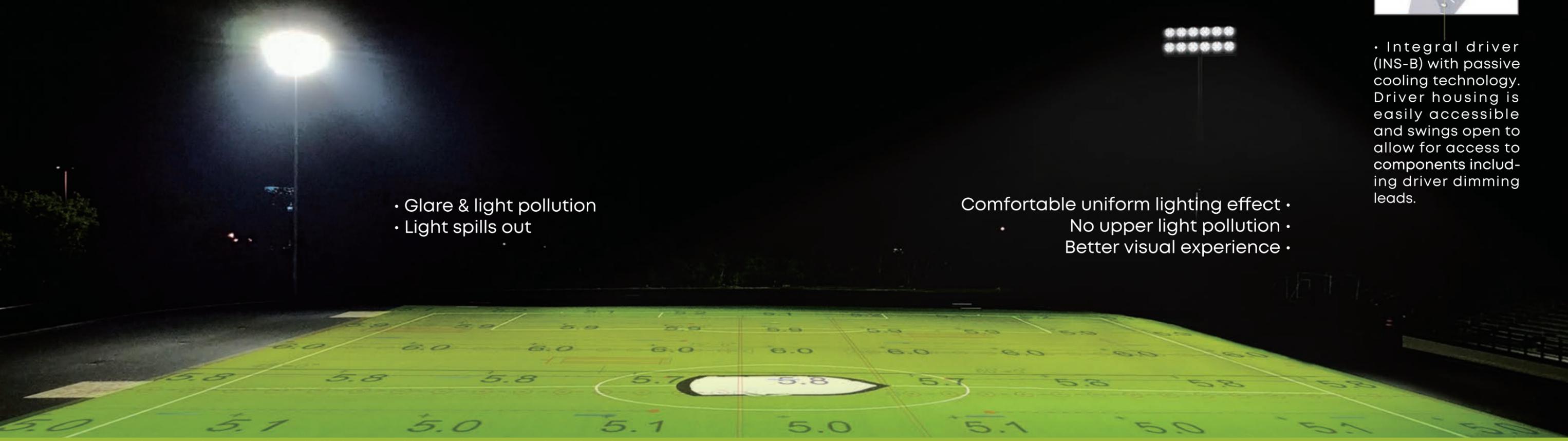
*As the products are upgraded, the accessories may differ from those described in the pictures.



- Accurate light distribution for different project needs.



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



- Glare & light pollution
- Light spills out

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

*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.

> Application Reference



TYPICAL LAYOUT BASEBALL FIELD WITH 6 POLE DESIGN



Fixture: 1500W HID
 Fixture Count: 46
 Average Light Level: 50fc (infield) 30fc (outfield)
 Total Wattage: 74,150W

Fixture: 720W INS
 Fixture Count: 44
 Average Light Level: 50fc (infield) 30fc (outfield)
 Total Wattage: 31,680W

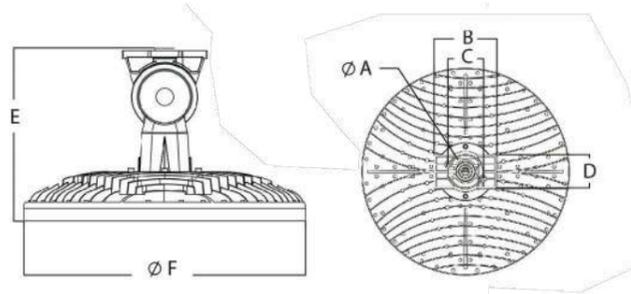


> Application Reference



Dimensions

INS-A



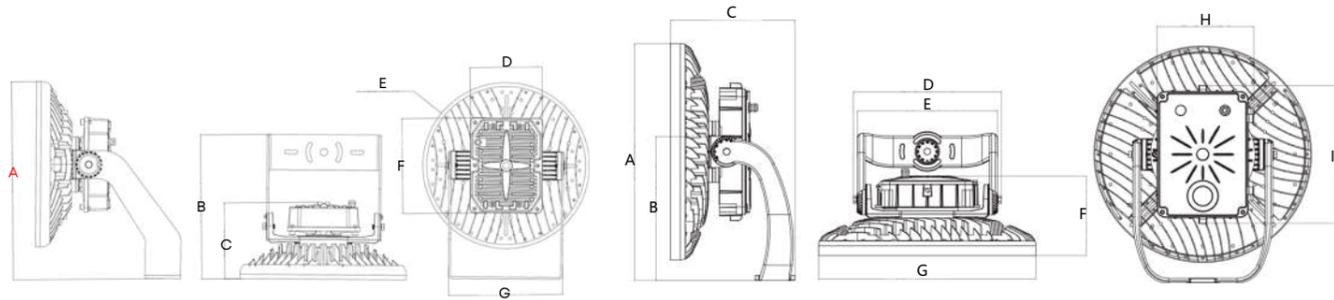
315W-380W

A	B	C
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")

460W-720W

A	B	C
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	B	C	D
55.96cm(22.0")	40.68cm(16.0")	21.4cm(8.4")	20.3cm(8")
E	F	G	
46.8cm(18.4")	26.8cm(10.5")	32.01cm(12.6")	

460W-720W

A	B	C	D	E
60.2cm(23.7")	36.6cm(14.4")	31.48cm(12.4")	37.5cm(14.7")	35.4cm(13.9")
F	G	H	I	
20.25cm(8.0")	55.0cm(16")	24.5cm(9.6")	35.1cm(13.8")	

Accessories

Bracket Options



INS-A
Top Fixed Installation

INS-B
Under Mount Yoke (with driver box)

INS-C
Under Mount Yoke (split mode)

INS-D
Yoke Mount



Photocell



Steel rope



Laser aiming



Visor



Timing control

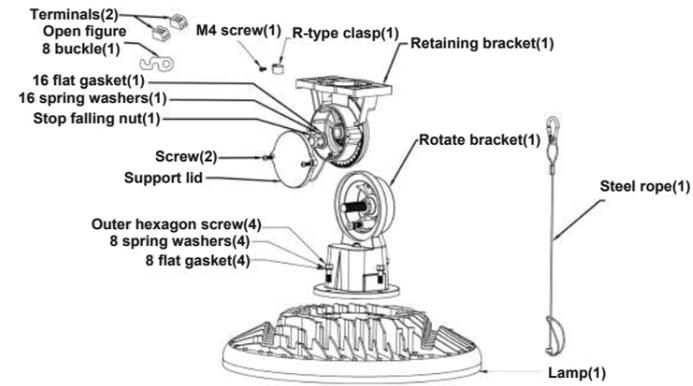


DALI CONTROL 10KV SPD 20KV SPD

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Recommended Installation

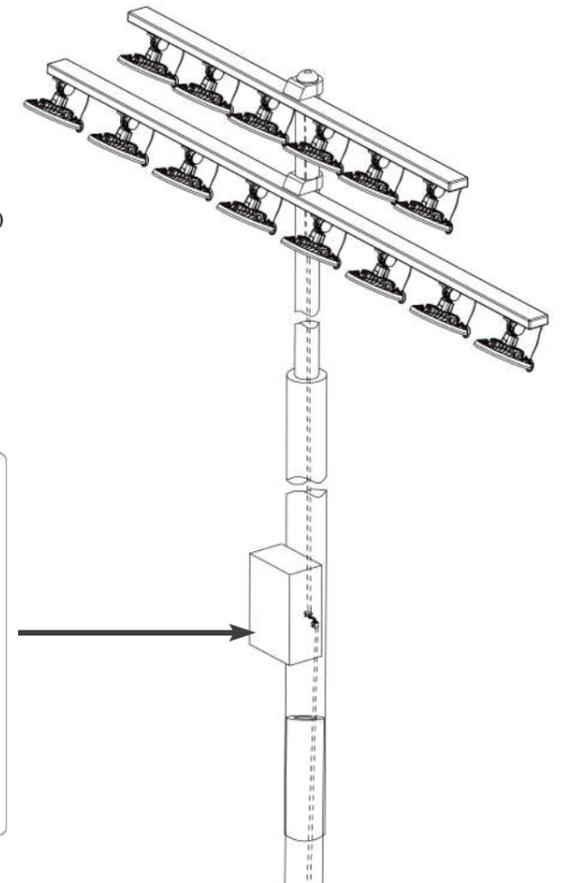
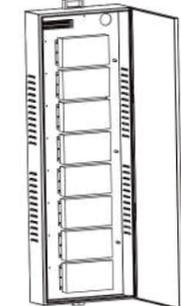
INS-A



Installed schematic diagram:

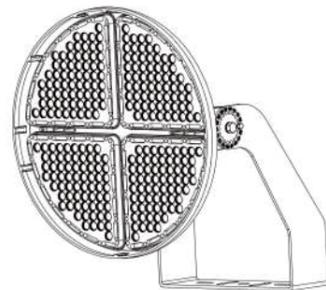


Schematic diagram of power chamber:

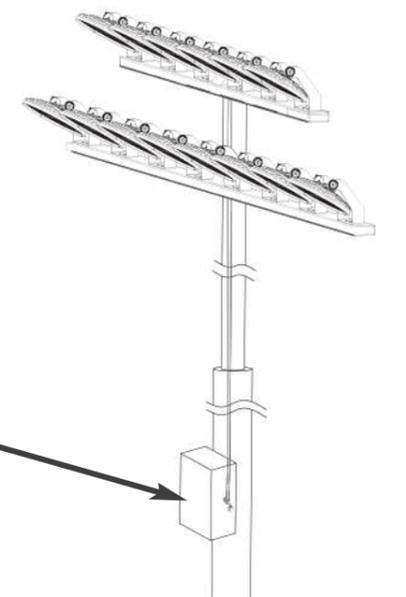
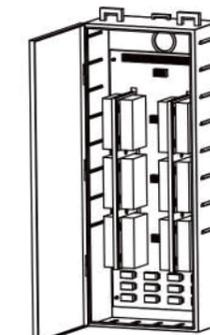


INS-C

Installed schematic diagram:



Schematic diagram of power chamber:



INS Series Specification Sheet

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Illuminate Your Future



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