



INM **-SERIES**

**LED ROADWAY LIGHTING
HIGH MAST LUMINAIRE**

UP TO **170LM/W**

2000W MHL REPLACEMENT

● POWER: 230W, 315W, 380W, 460W, 580W, 720W

**EXPERTS WITH
PROFESSIONAL SOLUTION**

WWW.AOKLEDLIGHT.COM
2019.09-3rd Edition

SAVE YOUR ENERGY IN BOTH WAYS |

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 M² manufacturing center produces high-grade LED lights, which meets ISO9001 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.
- 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 then counterparts.



High performance modular LED light engine



For easy wiring & installation



3 or 7-pin receptacle with a variety of controls options



Bolt mounting 3G rating

PRODUCT FEATURES

The iNM LED High Mast is an LED solution for expressway, free way interchanges and other large area applications. Unique reflective optics are designed to optimize application efficiency and minimize glare. The luminaire is an efficient solution lowering energy consumption as compared to transitional HID fixtures providing additional operating cost savings.

APPLICATIONS

Designed to meet recommended luminance and illuminance requirements for high mast applications, such as:

- Airport Lighting;
- Expressway and Freeway Interchanges;
- Port Facilities;
- Trailer/Container Yard and Rail Yard Operations.

FINISH

- Rugged, weather-tight design and 3G Vibration ratings;
- Corrosion resistant polyester powder painted.

OPTICAL/ELECTRIC

- Multiple light distributions to maximize performance: 15D, 30D, 60D, T2M, T3M, T4M.
- -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.

LED

- iNM light engine using reflective technology to optimize application efficiency and minimize glare. Utilizes high brightness LEDs.
- LM-79 tests and reports in accordance with IESNA Standardization.
- 3000K, 4000K, 5000K, 5700K, 6500K CCT.
- Minimum CRI of 70, 80 and 90 optional.

FEATURES

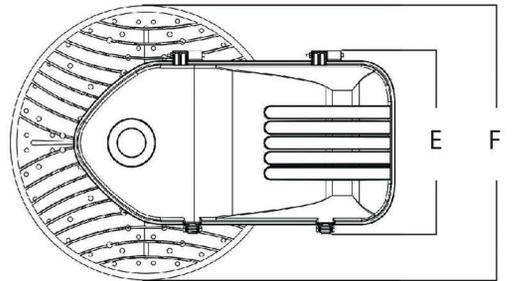
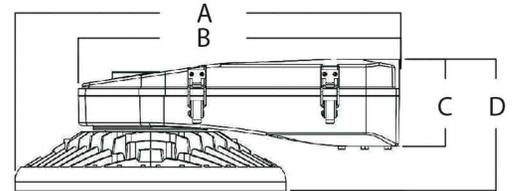
- Smart lighting system;
- Lid-latch driver box design;
- Less energy consumption;
- Easy installation & maintenance.

up to 170lm/w

INM SERIES



FIXTURE DIMENSION



	A	B	C
230W 315W 380W	66.4cm/26.0"	55.5cm/21.7"	14.9cm/5.8"
	D	E	F
	22.4cm/8.8"	31.4cm/12.3"	46.8cm/18.3"
460W 580W 720W	A	B	C
	70.5cm/27.6"	55.5cm/21.7"	14.9cm/5.8"
	D	E	F
	21.8cm/8.5"	31.4cm/12.3"	55.0cm/21.6"

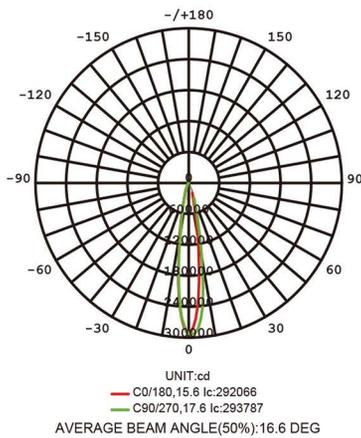
ORDERING INFORMATION

AOK							
WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	MOUNT	HOUSING
230W iNM	NV=100-277V	L5=Lumileds5050	00=Without Sensor	3070=3000K 70CRI	15D=15°	Slip Fitter	BK=Black
315W iNM	HV=347/480V	Y22=Seoul Y22	DV=Dimmable	3080=3000K 80CRI	30D=30°		SL=Silver Gray
380W iNM			PH=Photocell	4070=4000K 70CRI	60D=60°		
460W iNM				4080=4000K 80CRI	T2M=TYPE II MEDIUM		
580W iNM				5070=5000K 70CRI	T3M=TYPE III MEDIUM		
720W iNM				5080=5000K 80CRI	T4M=TYPE IV MEDIUM		
				5770=5700K 70CRI			
				5780=5700K 80CRI			

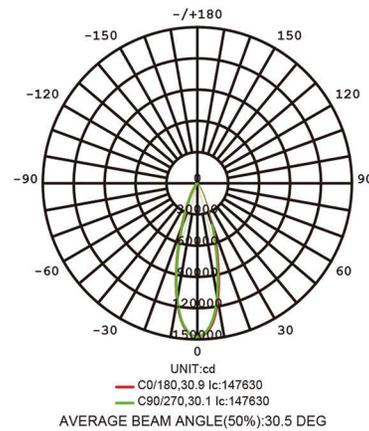
SPECIFICATIONS

MODEL	WATTS	OPTICS	Luminaire Lumen Output	EFFICACY	REPLACEMENT HL	IP&IK	FIXTURE DIMENSION	NW	PACKING DIMENSION	GW
AOK-230W INM	230W	15D 30D 60D T3M	32660lm 38410lm 38640lm 30130lm	142lm/w 167lm/w 168lm/w 131lm/w	850W	IP66 & IK10	26.0*18.3*8.8" (66.4*46.8*22.4cm)	40.8lbs (18.5kg)	28.93*21.25*11.81" (73.5*54.30cm)	44.1lbs (20kg)
AOK-315W INM	315W	15D 30D 60D T3M	43785lm 52290lm 52605lm 40005lm	139lm/w 166lm/w 167lm/w 127lm/w	1000W	IP66 & IK10	26.0*18.3*8.8" (66.4*46.8*22.4cm)	40.8lbs (18.5kg)	28.93*21.25*11.81" (73.5*54.30cm)	44.1lbs (20kg)
AOK-380W INM	380W	15D 30D 60D T3M	51422lm 59927lm 60242lm 45787lm	135lm/w 156lm/w 158lm/w 120lm/w	1150W	IP66 & IK10	26.0*18.3*8.8" (66.4*46.8*22.4cm)	40.8lbs (18.5kg)	28.93*21.25*11.81" (73.5*54.30cm)	44.1lbs (20kg)
AOK-460W INM	460W	15D 30D 60D T3M	64400lm 74520lm 77280lm 60720lm	140lm/w 162lm/w 168lm/w 132lm/w	1200W	IP66 & IK10	27.6*21.6*8.5" (70.5*55.0*21.8cm)	45.0lbs (20.5kg)	30.5*24.4*11.81" (77.5*62*30cm)	48.5lbs (22kg)
AOK-580W INM	580W	15D 30D 60D T3M	78300lm 92800lm 92220lm 72500lm	135lm/w 160lm/w 159lm/w 125lm/w	1500W	IP66 & IK10	27.6*21.6*8.5" (70.5*55.0*21.8cm)	45.0lbs (20.5kg)	30.5*24.4*11.81" (77.5*62*30cm)	48.5lbs (22kg)
AOK-720W INM	720W	15D 30D 60D T3M	95040lm 113760lm 112320lm 90000lm	132lm/w 158lm/w 156lm/w 125lm/w	1500W	IP66 & IK10	27.6*21.6*8.5" (70.5*55.0*21.8cm)	45.0lbs (20.5kg)	30.5*24.4*11.81" (77.5*62*30cm)	48.5lbs (22kg)

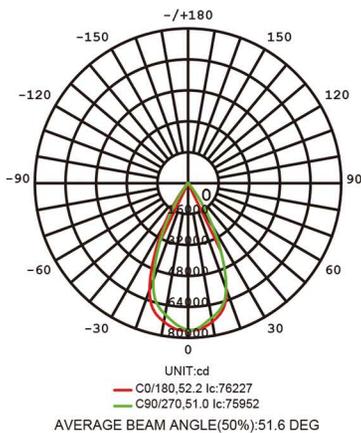
PHOTOMETRICS



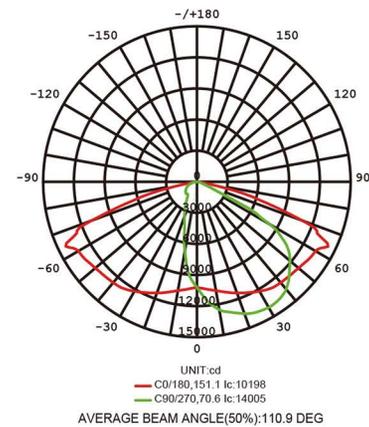
15D



30D

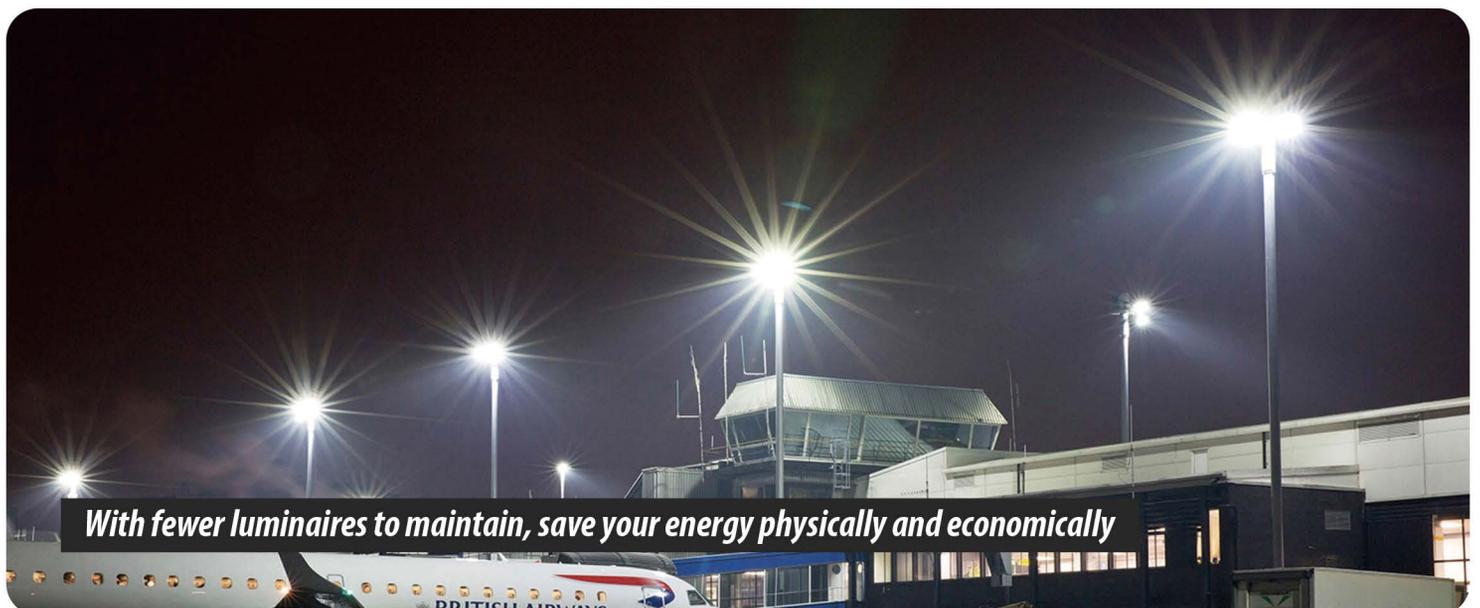
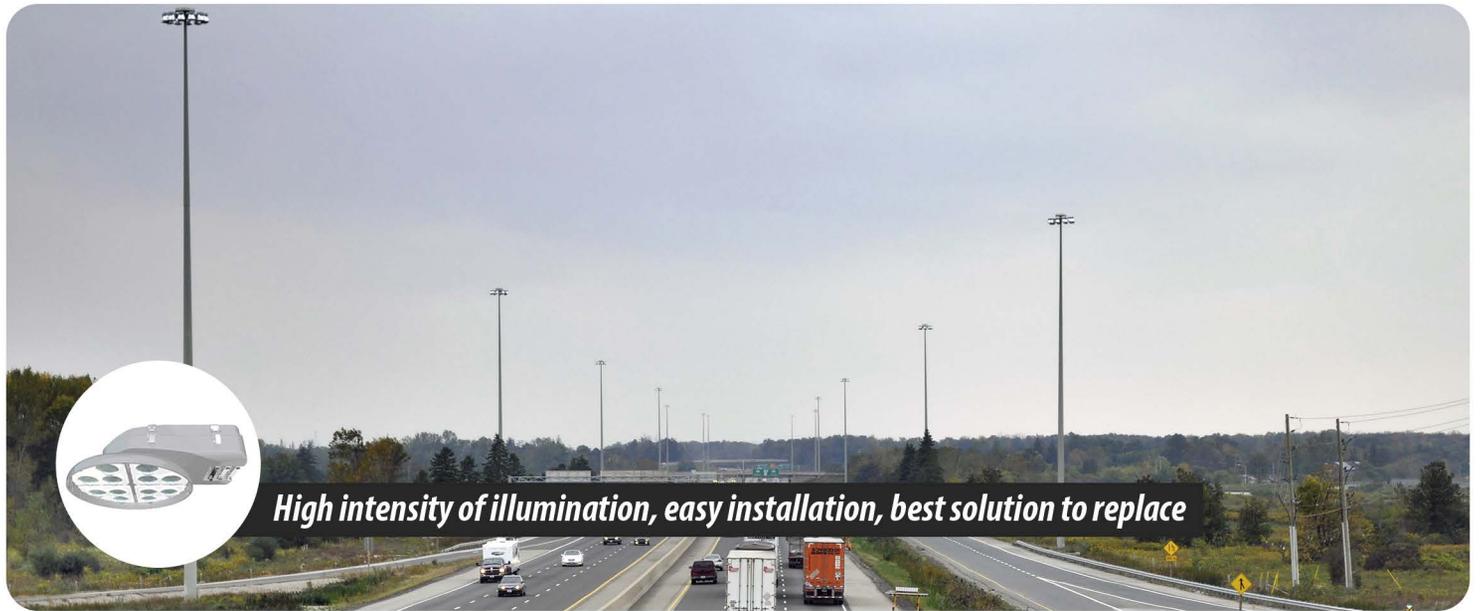


60D



T3M

Special Design for Highway/Airport/High Mast High Power LED Lighting



▶ APPLICATIONS

