LED STREET LIGHT

80W HPS/MH Replacement

OS SERIES

UP TO 150LM/W

www.aokledlight.com

AOK®

Quality, Honesty, Service and Innovation

AOK-04

FEATURES & SPECIFICATION

• AOK oS series Street LED luminaire is the latest development in environmentally-friendly street lighting. Developed for Australia' s Pedestrian Area and Minor Road (Category P) lighting applications. It is amongst the most energy efficient luminaires on the market.

OPTICAL SYSTEM

• Comply with Australian P (Public) Category(P4 & P5), special for Australian Pedestrian Area and Minor Road (Category P) lighting application, meet the requirements of AS/NZS 1158
• The distance between the light screen and the photocell is > 25mm
• Optical systems maintain an IP66 rating.
• Available in 3000K, 4000K, 5000K, 5700K, 6500K CCT.
• Efficacy 150lm/W as standard, higher lumen output, precision light pattern ensure more energy saved.
• Minimum CRI of 70, 80, and 90 optional.

FINISH

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

ELECTRICAL

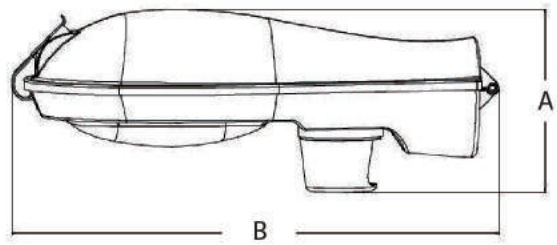
• 1-10V/ PWM/ Timer dimming, 3 Timer Modes, Dim-to-Off with Standby Power ≤ 0.5W
• Constant current driver, 100 -277Vac, 50-60Hz.
• High efficiency driver: up to 93.5%, minimum efficiency 87.5%
• NEMA 7 PE connection for power and controls, and the PE Cell location is at the bottom of luminaire
• Come with 10KV SPD

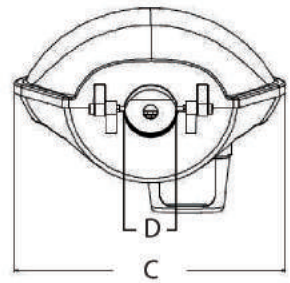
CONSTRUCTION

• Die-cast aluminum body, Robust yet light weight.
• UV stabilized polyester powder paint finish for durability and corrosion resistance.
• Streamline design, the same as the current shape lights in Australia with no fins to attract dust
• Self Cleaning PC visor, ensure constant light output.
• Plug & Play module and driver, tool-free Maintenance.
• Internal easy driver clips and big terminals

up to 150lm/w **OS SERIES**

FIXTURE DIMENSIONS





A	B	C	D
185.59mm	492.60mm	264.22mm	48mm

CERTIFICATIONS/LISTINGS

ORDERING INFORMATION

AOK - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ] - [ ]

WATTS	VOLTAGE	LED CHIPS	TYPE OF SENSOR	CCT&CRI	DISTRIBUTION	HOUSING	OPTIONS
17WoS	NV=100-277V	L5=LUMILEDS 5050	00=Without Sensor	3070=3000K 70CRI	P4=75*160°	SG=SILVER GRAY	10KV SPD
25WoS		O5=OSRAM 5050	SN=Motion sensor	4070=4000K 70CRI			20KV SPD
30WoS			PH=Photocell	5070=5000K 70CRI			
40WoS			DV=Dimmable	5770=5700K 70CRI			
50WoS				3080=3000K 80CRI			
				4080=4000K 80CRI			
				5080=5000K 80CRI			
				5780=5700K 80CRI			

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WARRANTY
5-year standard warranty, 10-year warranty optional.
Please consult with AOK sales for detailed agreement.

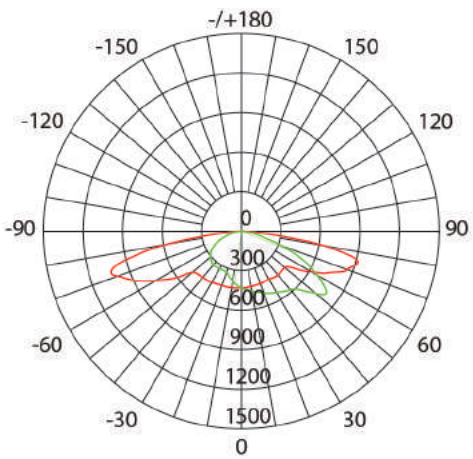
TECHNICAL SPECIFICATIONS

MODEL	WATTS	Initial Delivered Lumens (lm) @5000K	Replace MHL	IP & IK	FIXTURE DIMENSION	NW
AOK-17WoS	17W	2720	50W	IP66&IK08	19.3*10.4*7.3" (49.2*26.5*18.6cm)	9lbs (4.1kg)
AOK-25WoS	25W	3750	75W	IP66&IK08	19.3*10.4*7.3" (49.2*26.5*18.6cm)	9lbs (4.1kg)
AOK-30WoS	30W	4350	100W	IP66&IK08	19.3*10.4*7.3" (49.2*26.5*18.6cm)	9lbs (4.1kg)
AOK-40WoS	40W	5400	120W	IP66&IK08	19.3*10.4*7.3" (49.2*26.5*18.6cm)	9lbs (4.1kg)
AOK-50WoS	50W	6500	150W	IP66&IK08	19.3*10.4*7.3" (49.2*26.5*18.6cm)	9lbs (4.1kg)

POLE SPACING

Category P4	Road Reserve Width				
Height	10M	14M	15M	18M	20M
5.5M	58.8M	56M	55M	50.7M	46.3M
6.5M	63.4M	61.4M	60.5M	56.8M	53M
7.5M	67.6M	66.2M	65.4M	62.1M	59M

PHOTOMETRY



AVERAGE BEAM ANGLE(50%):121.3DEG

UNIT:cd

— C0/180,167.0° — C90/270,75.5°

P4 Light distribution pattern

UNIQUE OPTICS FOR BETTER LIGHT CONTROL

The unique optical system offers better performance whilst reducing obtrusive glare and spill light. The superior optics allow for greater spacing to mounting height ratios when compared with the standard technolog yluminaires thus reducing the number of luminaires required for installation. Individual LEDS are identically focused which ensures that even in the unlikely event of a single LED failing, there are no resulting black spots. This complies with the Lighting Technical Parametres of AS1158.3.1.

Certification for the oS street light is NATA AS1158.6 compliant where appropriate.