



The lightweight, compact and reliable AL-S series of AOD LED street lights have been serving industry for more than 10 years now.

High brightness LED with an efficacy is up to 130lm/W are used the AOD LED street light one of the highest performing lights on today's market

The Led and the casing form an integrated unit to ensure the best possible thermal management, from chip to external heat sinking mechanisms, the junction temperature is lower than 65°C , effectively minimizing light decay and prolonging the lifetime more than 50,000 hrs.

The accurate second lens and reflector technology enhances the ratio of light output and assures the precise control of the light distribution, brightness uniformity on the road surface, meeting the technical standards of Australia. The unique LED lamp protection technology assures the LED street light will still work in case single LED failure.

The working temperature of the electronic components is not higher than 60°C , The wide-range supply voltage assures the universality of driver. The proprietary protective circuit enhances the reliability and capacity of resisting disturbance. Proprietary constant current management technology assures high stability.



AOD LED Street Light

Part No	Rated Wattage	Working Voltage	Working Frequency	Light Distribution	Weight
AL-S03	30W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	3.6kg
AL-S05	50W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	8kg
AL-S08	80W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	8kg
AL-S10	100W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	8kg
AL-S13	130W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	8kg
AL-S13	130W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	10.5kg
AL-S15	150W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	10.5kg
AL-S18	180W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	10.5kg
AL-S20	200W	AC 100-277V	50/60Hz	Symmetrical/ Asymmetrical	10.5kg



AL-S05 Parameters

Item	Symbol	Min.	Typical	Max.	Test Condition	Notes
Working Voltage (V)	Vin	100	220	277		
Working Frequency (Hz)	f	47	50	63		
Rated Wattage (W)	P		50		AC240V, 25°C	
Power Factor	PF	0.90	0.95	0.98	AC240V, 25°C	
Luminous Flux (lm)	Φ		4500		CRI 70	90lm/W
Start Time (ms)				5000	AC240V, 25°C	
Colour Temperature (K)	CCT	3500	5700	6500		Optional ¹
Working Temperature (°C)	Temp	-20		45	AC220V	
Adaptive Humidity (%)	RH			90		
Lifetime (hrs)	MTTF		50000		AC240V, 25°C	influenced by ambient conditions
Weight (kg)	weight		8			Not including package
Interface Size (mm)			Φ60			
IP Class	IP Class		IP65			



Notes

Besides above standard power series custom-made products are also available.

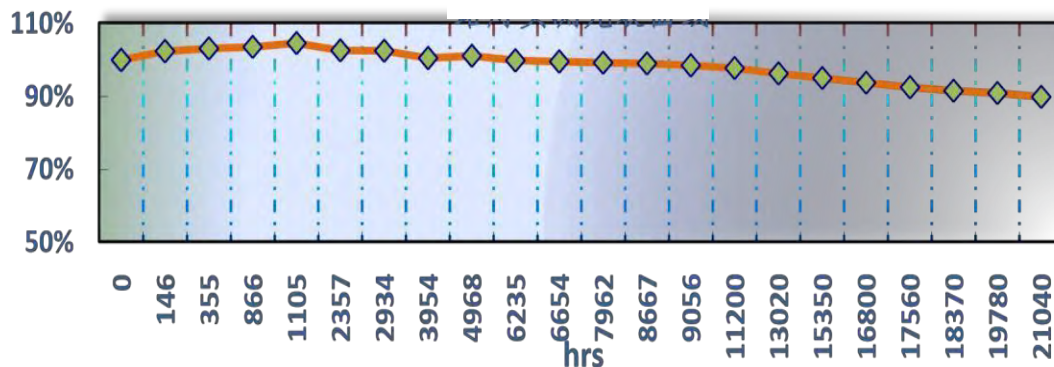
The electronic driver design also provides several flexible and advanced control functions such as timer control, temperature control, photo sensor control, acoustic sensor control and internet control etc.

AOD Standard Colour Temperature: 3500±200K、 4000±250K、 4500±250K、 5000±300K、 5700±350K、

6500±500K 2, Custom-made standard interface connector is accepted by AOD in case it is in need

For more product details, please visit us at www.aodaustralia.com

Luminous Flux Maintenance Chart

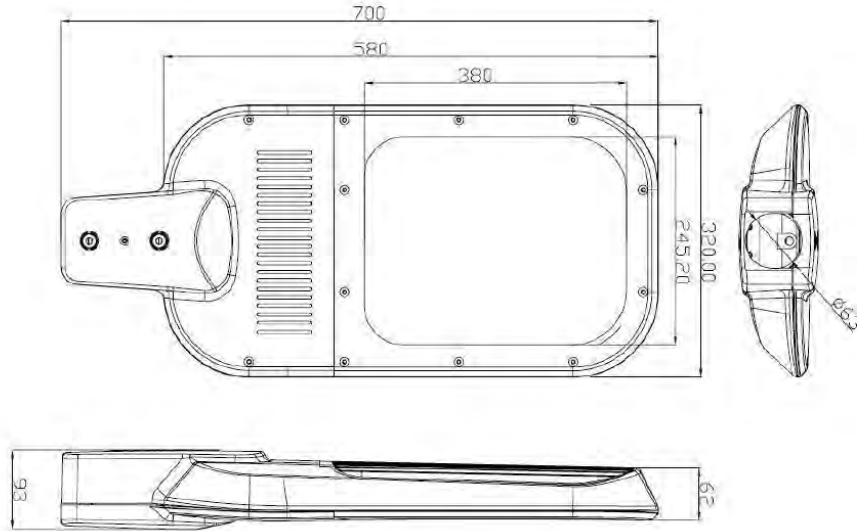


Remarks:

This chart shows the actual testing data of many streets that exactly reflects luminous flux degradation of LED street lights in use. It is noticeable that natural environment conditions such as weather, temperature and so on can affect illumination intensity to some degree in actual testing. We can see that the maintaining luminous rate of our street lights is above 95% after working for 3 years without maintenance.

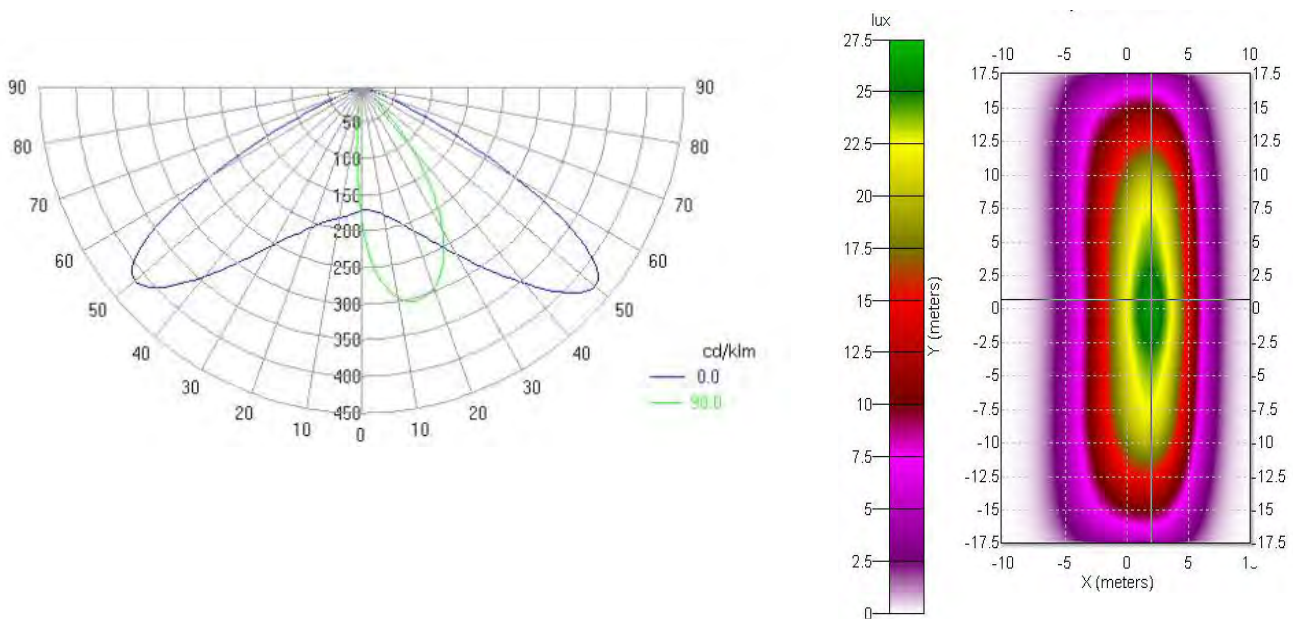


AL-S05 Dimensions



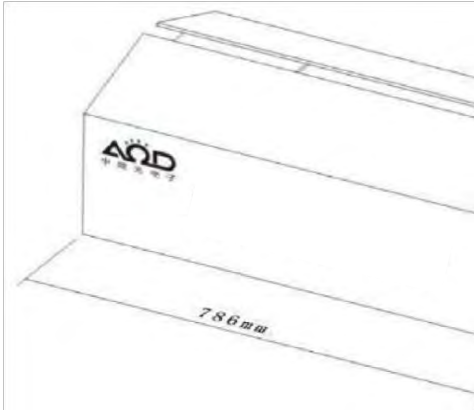
Case Model : D02

Light Distribution and Illuminance Chart





AL-S05 Packing Dimension



Carton Size:

Length: 796mm

Width: 405mm

Height: 315mm

Quantity per carton: 2 pieces

Gross Weight per carton: 16.5 Kgs

Installation Instructions

Attention:



1. The ground wire must be safely earthed to ensure reliability
2. The joints of wires must be covered with appropriate insulation
3. Installation must be carried out by a qualified electrician
4. Supply voltage must not exceed 305V AC
5. Do not attempt repair contact info@aodaustralia.com or tel. 61 2 45779413 for all repairs

After Sales Services

All products should be returned to AOD for service .Do not attempt repair.

AOD will constantly improve our production performance and insist on innovation. The information contained in this document is the latest data at the deadline for edition and subject to change without notice.

AOD reserves the right to the interpretation of this document. The pictures shown here is indicative only. If there is any inconsistency between the pictures and the actual product, the actual product shall govern.