

AOK-IAS (Split Model) Solar Street Light

Application:

- 1, Garden, Residence, Courtyard
- 2, Main roads and avenue
- 3, Mining area and parking lot
- 4, Areas with no-electrical supply
- 5, Best lighting solution for IASland



Quality, Honesty, Service and Innovation

Clean, Safe, Renewable, Free



Monocrystalline Solar Module	Efficient Controller	Lithium-ion Batteries	Philips Lumileds chip	Split Model	Anti-Typhoon	Motion Sensor	IP65



Quality, Honesty, Service and Innovation

"Energy of the future"

Contact us:

BLDG 1, St George's Science and
Technology Industrial Park, Shajing,
BAOAN, SHENZHEN, CHINA

Email: wally@aokledlight.cc
Tel: +8675523205467
Web: www.aokledlight.com

AOK-IAS (Split Model) Solar Street Light

The Latest AOK-IAS series which combines a highly efficient solar panel which connected to a high capacity lithium-ion battery and motion sensor also super bright 170lm/W LED light source.

***SMART CONTROL**

***170LM/W**

*Automatic Light Control+Time Control

*Infrared Human Sensor (PIR)

*Microwave sensor



* Silver and Black color fixture optional

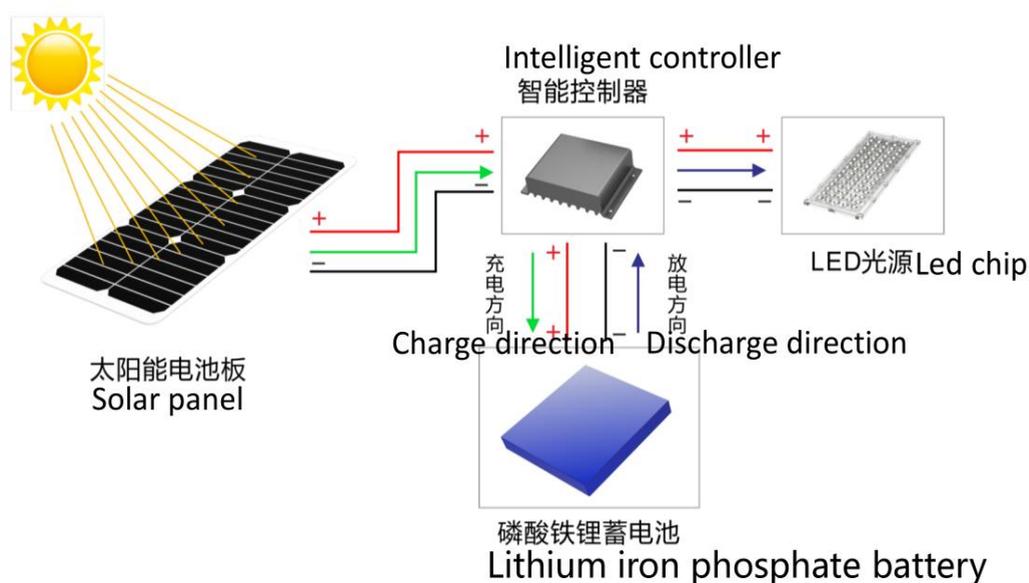
Simple installation, extremely practical

ThIAS standalone solar streetlights are very simple to use, no separate battery pack required and no complicated wiring or settings. All you need to do IAS to attach it with screws to the post and press the on/off button. That IAS all.

The solar street light will switch on when the sun sets and switch off when the sun rIASes. When there IAS no one around, it will dim itself to improve power efficiency, however, when any one approaches, it will increase its brightness by a factor of four.

Working way

When there is solar light radiation, photovoltaic modules are converted to electric energy by solar radiation, and intelligent controller is used to charge electric energy into lithium iron phosphate battery. At the same time, the intelligent controller protects the overcharge and over discharge of the battery. The lighting switch and adjust lighting intelligent control, without manual operation.



Product features

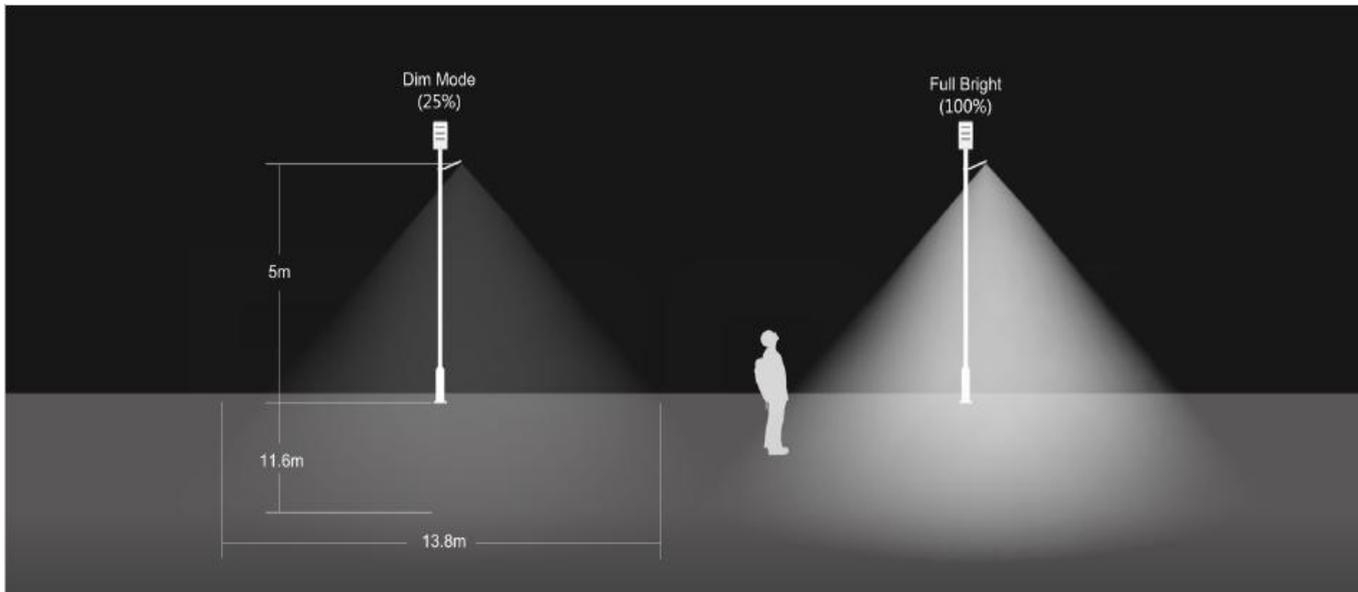
- *Offer 2550LM、3400LM、5100LM、6800LM、8500LM、10200LM, 6 different lumen value selection;
- *Integrated design, easy installation, all components can be convenient to replace maintenance, save cost.
- *The intelligent controller matches the PIR infrared or the intelligent microwave inductor to ensure the effective lighting ability of the lamps.
- *The high efficiency monocrystalline silicon conversion rate 18.5% solar panel, A1 grade high quality lithium iron phosphate battery.
- *Use the special plug joint, color anti - stop design, with anti - fault and other functions
- *With a rotating lamp arm, it can be adjusted in multiple angles.
- *It is suitable for the installation requirements of different latitudes and different forms of lamp posts.
- *Professional waterproof design, protection grade IP65.
- *Wind resistance grade: 65 m / sec

Higher lumen

*Offer 2550LM、 3400LM、 5100LM、 6800LM、 8500LM、 10200LM, 6 different lumen value selection;

Model	Lumen
AOK- IAS15W	2550LM (Equivalent to competing products 25-30W)
AOK- IAS20W	3400LM (Equivalent to competing products 30-35W)
AOK- IAS30W	5100LM (Equivalent to competing products 50-55W)
AOK- IAS40W	6800LM (Equivalent to competing products 65-70W)
AOK- IAS50W	8500LM (Equivalent to competing products 70-80W)
AOK- IAS60W	10200LM (Equivalent to competing products 85-95W)

Motion Sensor



It comes with motion detection system that automatically regular the light source from full bright(100%) to dim mode (25%) to increase battery automomy.

Solar Panel



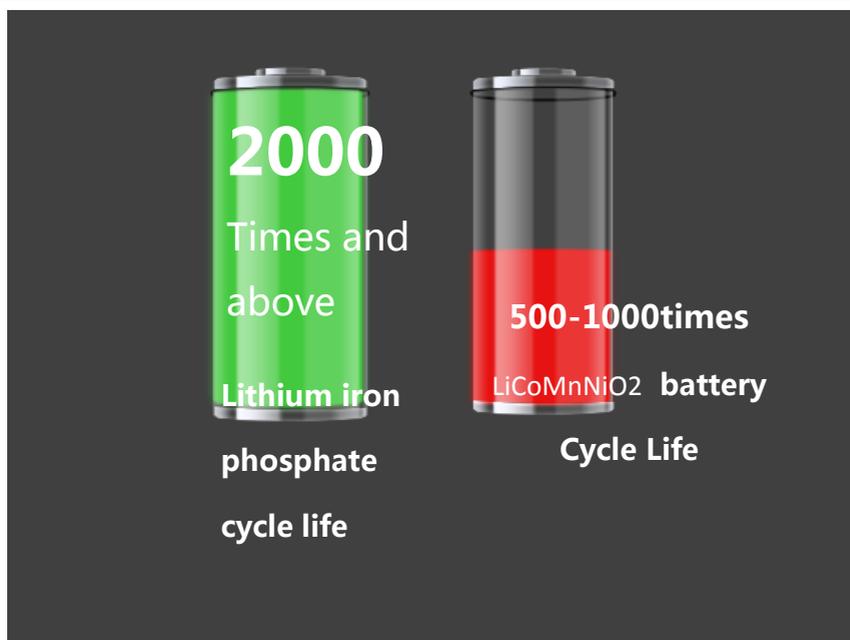
High Efficient Monocrystalline Module

18.5% photoelectric Conversion Efficiency

Ending with 85% output in 20years

3.2mm tempered glass lamination for excellent mechanical load resistance.

Lithium iron phosphate battery



Grade A1 level, best battery.

ThIAS series integrated solar street lamps, using high efficient lithium iron phosphate battery, high temperature performance, high current discharge, cycle life more than 2000 times.

The LiCoMnNiO₂ battery on the market is not suitable for large current discharge, the high temperature performance is poor, there is a hidden danger of explosion, and the cycle life is 500-1000 times.

Led chip



LUXEON 5050

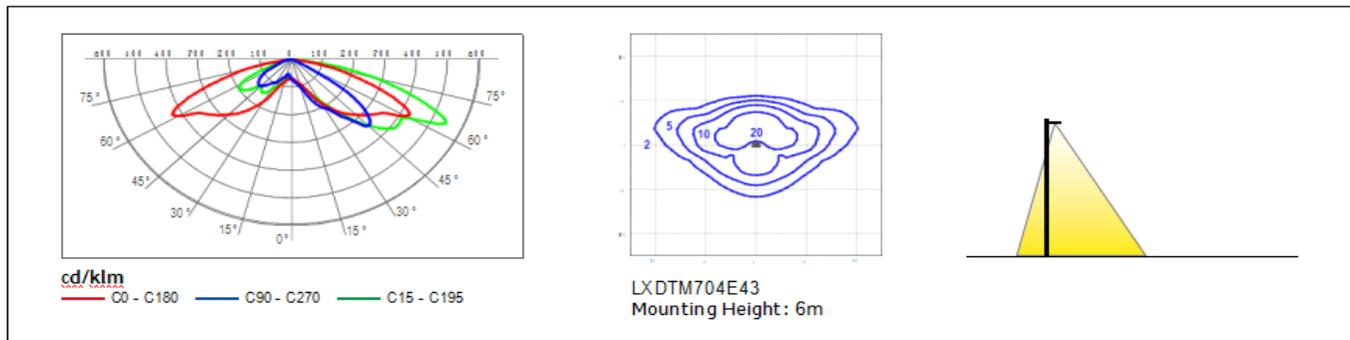
Philips Lumileds Luxeon 5050 chip

creates a first-class light source

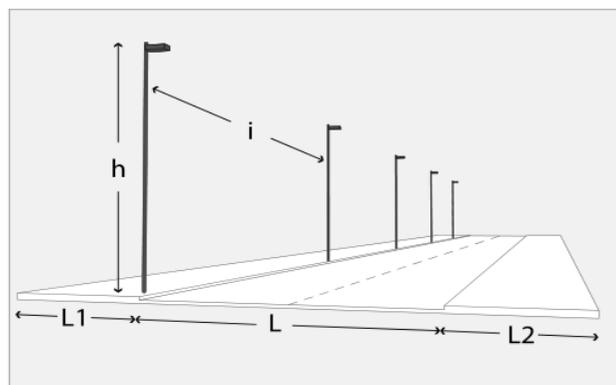
By choosing the luxeon LED chips, single lumen value at 170Lm/W , with the aluminum lamp base and sealed lens, with its excellent heat dIAsipation, it IAS as if the LED chip has been placed in a sealed unit. Thus it maintains high brightness levels with very little fading. The sealed lenses are made of strong UV protected PC and are aging and shock resIAstant; The well optimized light dIAstrIbution, makes for a more uniform and wider lighting area.

Light dIAstrIbution patterns

Type 2 for street lighting,cycle paths and footpaths

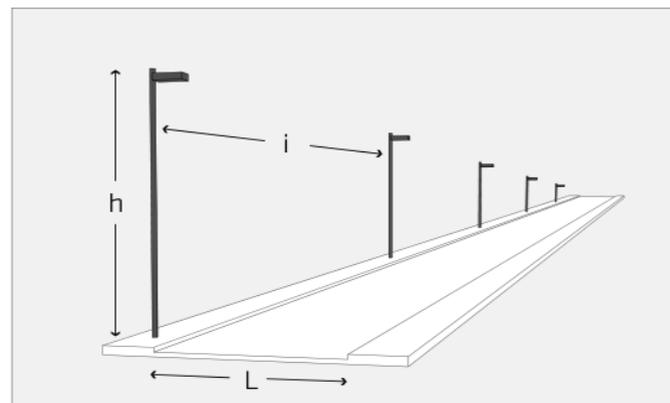


Residential road



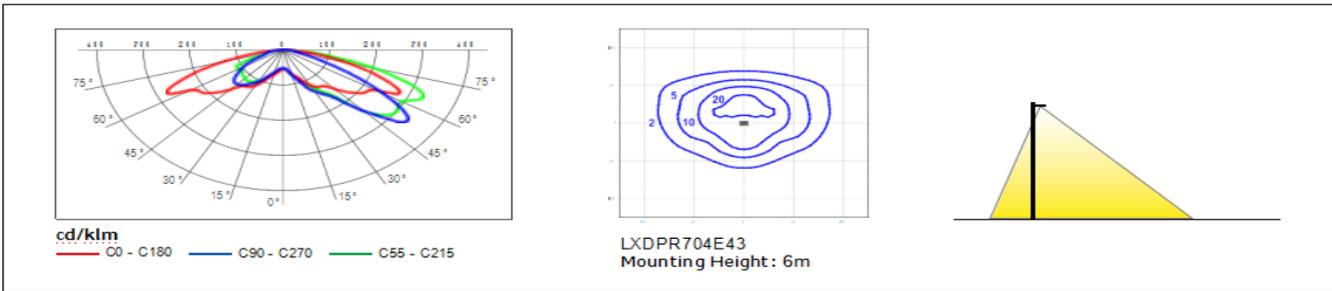
Maintenance coefficient: 0.9

Cycle lane

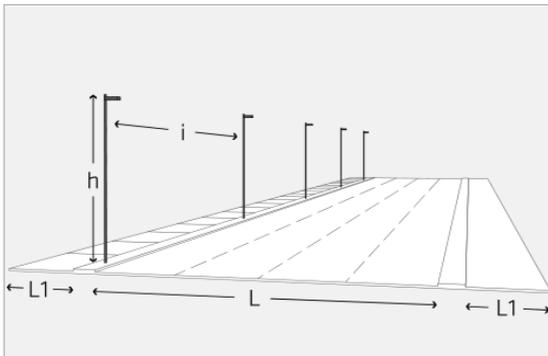


Maintenance coefficient: 0.9

Type 3 for street light and car parks

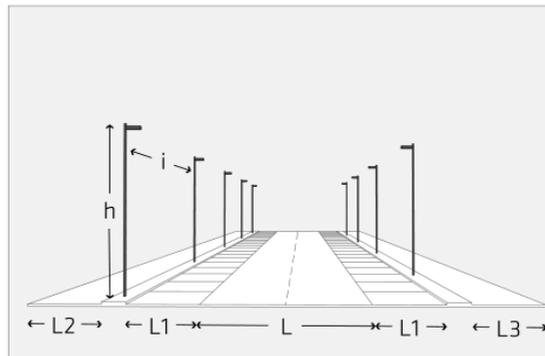


Urban street



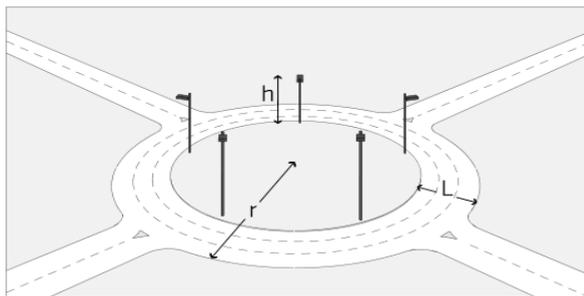
Maintenance coefficient: 0.9

Urban street



Maintenance coefficient: 0.9

Urban roundabout



Maintenance coefficient: 0.9

PHOTOMETRICS LUMINAIRE

Planning and analyzing of street lights can be done by using lighting design software, which allows lighting simulations. It uses rendering, the process of generating an image from a model, by means of computer programs resulting in different tools for measuring the simulated light levels



Packing information

AOK-IAS series Split Model LED Solar Street Light		AOK- IAS15W	AOK- IAS20W	AOK- IAS30W	AOK- IAS40W	AOK- IAS50W	AOK- IAS60W
Equivalent to competing products		25W-30W	30W-35W	50W-55W	65W-70W	70W-80W	85W-95W
LED	luminous flux	2550 lm	3400 lm	5100 lm	6800 lm	8500 lm	10200 lm
Solar Panel	Parameter /W	18V 55W	18V 65W	18V 85W	18V 110W	36V 165W	36V 210W
	Dimension (MM)	685*515	685*515	758*670	1016*670	1480*670	1335*986
Battery /W (built-in lamp housing)		Lithium 230.4 W	Lithium 307.2 W	Lithium 384 W	Lithium 460.8W	Lithium 614.4 W	Lithium 921.6 W
Smart Controller		365days ON					
Optical Lens		Type II, III, P5, 120°					
Lamp Dimension (MM)		672*330*82	672*330*82	812*330*82	812*330*82	812*330*82	952*330*82
Packing 1pc/ctn	Lamp carton(CM)	76.2*42*17	76.2*42*17	90.2*42*17	90.2*42*17	90.2*42*17	104.2*42*17
	Lamp N.W.(KG)	10.01	10.59	13.57	15.05	20.71	26.42
	Lamp G.W.(KG)	11.01	11.99	15.27	17.05	23.11	29.42
	Solar panel carton (CM)	75.5*59*7	75.5*59*7	82.8*74*8	108.6*74*8	155*74*8	140.5*106*9
	Solar panel	4.6	4.6	6.6	7.5	12.0	15.0
	Solar panel	5.6	5.6	8.0	9.0	13.5	16.5

Warranty

5years.



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