

Professional Road Lighting Solution Provider

Providing superior, cost-effective, and reliable road lighting solutions



Best Road Lighting Supplier

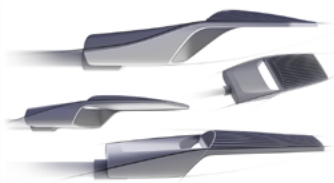
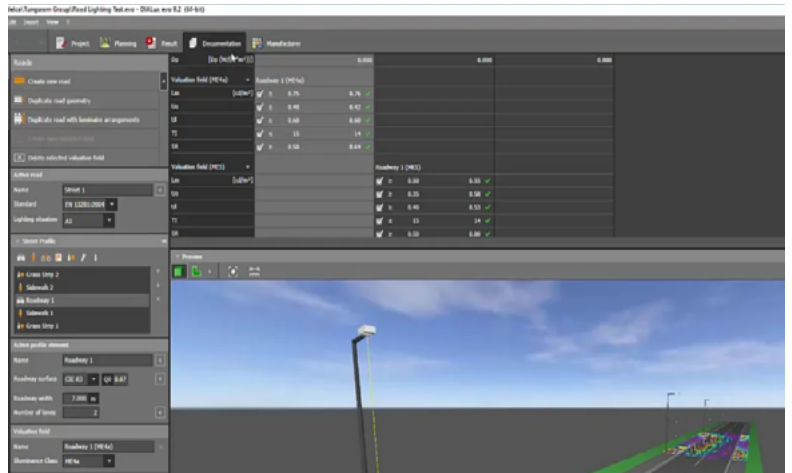
9 years of experience in road lighting project.

23 years of expertise in lighting manufacture.

Hundreds of optics support by professional optical engineers team.

Global quality standards with CE, RoHS, CB, ENEC, ENEC+ certifications.

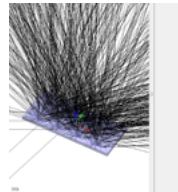
Serving overseas customers in 70 countries.



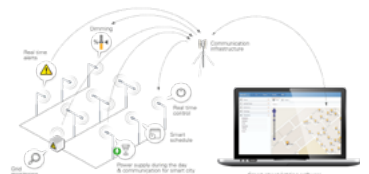
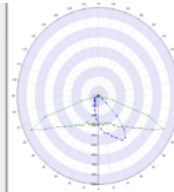
Product Design



Global Certification



Optical Design



Smart control systems

About Us

Aimlux is dedicated to providing superior, cost-effective, and reliable road lighting solutions, customized to meet customers' needs.

We boast specialized and highly experienced teams dedicated to bid study, product match, lighting simulation, bid document submission, and sample provision to support your projects comprehensively.

Comprehensive technical support and services

At Aimlux, we boast specialized and highly experienced teams dedicated to bid study, product match, lighting simulation, bid document submission, and sample provision to support your projects comprehensively.

Additionally, we have established Aim Optics System with leading optic suppliers, provide hundreds type of optics lens for each product. We also provide customized optics to meet specific project requirements.

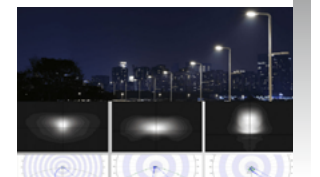
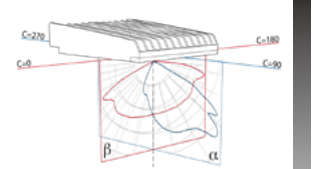
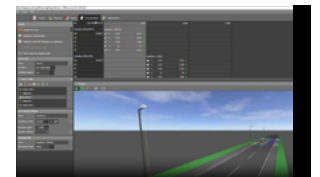
With Aimlux, you can expect dedicated expertise and tailored solutions to enhance the success of your lighting projects.

Factory & Product Certifications Quality Assurance

At Aimlux, our road lighting products are backed by extensive certifications and test reports, including IP, IK, CE, RoHS, CB, ENEC, IEC62471, LM80, LM79, and more. These certifications ensure that our products meet stringent quality and safety standards.

We have a deep partnership with TUV certification authority, enabling us to quickly provide certification services or support when you need specific certifications for your projects.

Aimlux is committed to delivering certified and high-quality road lighting solutions tailored to your requirements.





All-In-Two Solar Street Light with independent solar panel bracket with 360° adjustable angle, make full use of solar energy, high wind resistance strength. Customizable capacity of solar panel and battery. Easy to replace the battery.

Product Features

- Solar panels can be adjustable 360°, according to the installation of different locations to absorb more sunlight.
- High luminous efficacy > 180 lm/W for better battery performance
- MPPT charge controller for maximum efficiency
- Easy To Replace The Battery
- Intelligent mode control, intelligent adjustment of output power on cloudy and rainy days.
- Self-diagnostic with LED indicators for easy monitoring

Design Highlights



Solar panels can be adjustable 360°



Professional Road Optics



More energy-efficient with motion sensor



Easy To Replace The Battery

Application



ROADS & MOTORWAYS



URBAN & RESIDENTIAL STREET'S



BIKE & PEDESTRIAN PATHS



BRIDGES



CAR PARKS



SQUARES PEDESTRIAN AREAS



RAILWAY STATIONS METROS

Technical Parameters

General

Working Temperature	Temp:-40℃ -+55℃ Humidity:10%-95%
Working time	2-3 Days
Protect Grade	IP66/ IK08
Electrical class	Class III EU
Materials	Aluminium+PC
Finish	Polyester powder coating
Color	RAL 9005
Lifetime expectancy	10 Years
Warranty	5 Years
Control	PIR Sensor(Optional) Microwave senser(Optional) Time control(Optional) Zhaga socket (Optional)

LED Module

Optic	Type-II/Type-III
LED colour temperature	2200K-6500K
CRI	> 70/ > 80
Lifetime of the LEDs @Tq 25℃	100,000h- L95

Solar Panel

Technology	Monocrystalline silicon cells
Power(W)	40/50/65/80/100
Short Circuit Current:	6.67A
Max operating Voltage:	21.6V
Lifetime expectancy	25 years

Battery

Technology	LiFePo4
Voltage	12.8V
Capacity(Ah)	18/21/28/36/42
Operating temperature	-20℃ to 55℃ -4°F to 131°F
Matterial box	Aluminium
Battery charging & discharging cycles	3000 time
Lifetime expectancy	>10 years
Charge controller type	MPPT

Product Dimensions



Family	Power (W)	Lumens (Lm)	Product Size(mm)	Packing Size(mm)	NW (Kg)	GW (Kg)	20GP (Pcs)	40GP (Pcs)
AL-SS-A2	20W	3600						
	30W	5400						
	40W	7200						
	50W	9000						
	60W	10800						

Accessories



Remote Control



PIR Sensor


Microwave
senser


Zhaga socket

Global Quality Standard

Our factory is ISO9001 and ISO14001 certified, offering OEM/ODM/SKD services. With a professional production and QC team, we ensure high-quality products at competitive prices, backed by excellent service.



ISO 9001:2015 ISO



14001:2015



SGS



TUV-CB



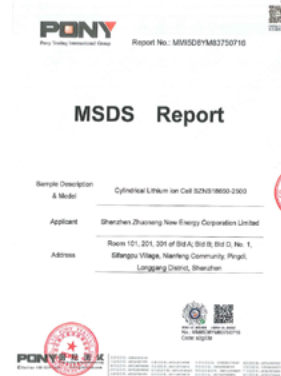
ENEC



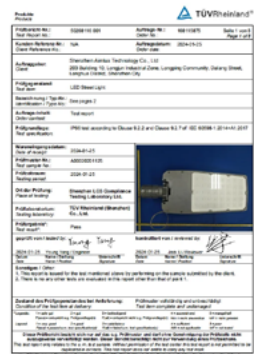
ROHS



CE



MSDS



IP-66 Test



IK-10 Test



Salt-frog-test



Vibration-test



Thailand



Greece



Brazil



Philippines

Shenzhen Aimlux Technology Co., Ltd

🌐 Web: www.aimluxlighting.com

✉ Email: info@aimluxlighting.com

☎ Tel: +86 0755-29307924

Headoffice (Shenzhen)

*Building 10, Longping Community,
Dalang Street, Longhua District,
Shenzhen, China*

Thailand Office (Bangkok)

*2198, 2206 Sukhumvit Rd, Phra
Khanong Tai, Phra Khanong,
Bangkok 10260, Thailand*

Production Base (DongGuang)

*No. 19, Gongye 1st Road, Hengli
Town, Dongguan City, Guangdong
Province, China*