

# Professional Road Lighting Solution Provider

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



### **Best Road Lighting Supplier**

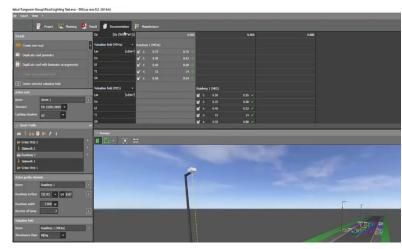
9 years of experience in road lighting project.

23 years of expertise in lighting manufacture.

Hundreds of optics support by professional optical engineers team.

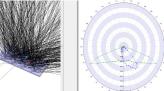
Global quality standards with CE, RoHS, CB, ENEC, ENEC+ certifications.

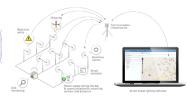
Serving overseas customers in 70 countries.











Product Design

Global Certification

Optical Design

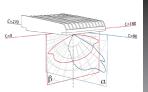
Smart ontrol systems

#### **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.



AL-SSB3 is the ultimate fully integrated solar street light system, combining high-power solar panels, large-capacity energy storage batteries, high-efficiency LEDs with road optical lenses, and advanced PIR motion sensing technology. Designed for durability and easy installation, it significantly reduces installation costs while delivering exceptional performance.

#### **Product Features**

- High luminous efficacy > 200 lm/W
- High-performance LiFePO4 battery with 5000 cycles at 50% DOD and over 10 years of lifespan, operating from -40°C to 65°C.
- Professional road optical lens controls light for precise and effective illumination, improving lighting efficiency by 35%.
- Central indicator light displays real-time operating status and battery level.
- Adjustable mounting bracket supports both vertical and horizontal installation.

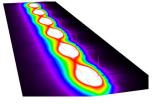
#### **Design Highlights**



Central indicator light



Adjustable mounting bracket



Professional road optical lens



Smart Control System

#### **Application**



URBAN &RESIDENTIAL SIREET'S



&PEDESTRIAN **PATHS** 



**BRIDGES** 



CAR PARKS



**PEDESTRIAN AREAS** 



#### **Technical Parameters**

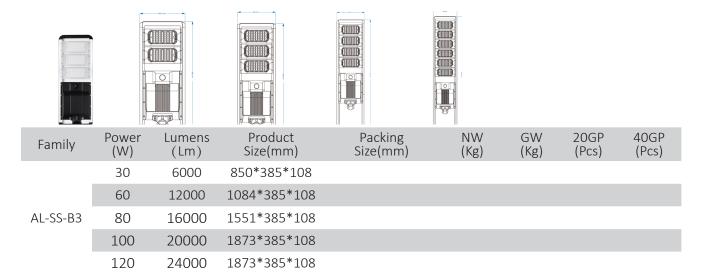


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General				
Working Temperature	Temp:-40°C -+65°C Humidity:10%-95%			
Working time	4-6 Days			
Protect Grade	IP66/ IK08			
Electrical class	Class III EU			
Materials	Aluminium+PC			
Finish	Polyester powder coating			
Color	RAL 9005			
Lifetime expectancy	10 Years			
Warranty	5 Years			
Control	PIR Sensor(Optional)			
	Microwave senser(Optional)			
	Zhaga socket (Optional)			
LED Module				
Optic	Type-II/Type-III			
LED colour temperature	2200K-6500K			
CRI	> 70/ > 80			
Lifetime of the LEDs @TA 25°C	100,000h- L95			

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Solar Panel			
Technology	Monocrystalline silicon cells		
Power(Wh)	60/70/80/100/130/140		
Short Circuit Current:	6.67A		
Max operating Voltage:	21.6V		
Lifetime expectancy	25 years		
Battery			
Technology	LiFePo4		
Voltage	12.8V		
Capacity(Ah)	18/24/30/36/48/54		
Operating temperature	-40°C to 65°C  -40°F to 149°F		
Matterial box	Aluminium		
Battery charging & discharging cycles	5000 Cycles @ 50% DOD		
Lifetime expectancy	>10 years		
Charge controller type	MPPT		

#### **Product Dimensions**











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







MSDS



IP-66 Test



IK-10 Test



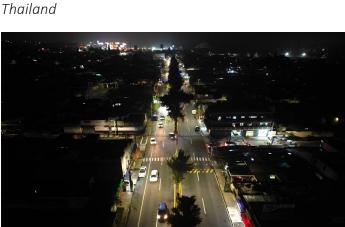
Salt-frog-test



Vibration-test







Brazil



Philippines



Poland

## Shenzhen Aimlux Technology Co., Ltd

Web: www.aimluxlighting.com

®Tel: +86 0755-29307924

#### Headoffice (Shenzhen)

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

#### Production Base (DongGuang)

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

#### Thailand Office (Bangkok)

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