

AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Technical Data



Fixed Arm

Features

Housing: Die-cast Aluminum
LED: CREE 3030
Battery Type: Lithium
Solar Panel: Mono Solar Panel
Charging Time: 5-7 Hours
Discharging Time: 12-15 Hours
Working Modes: Radar Sensor Control
Installation Height: 6-10M as per Model
Rainy/Cloudy Days: 3-5 rainy or cloudy days
Thermal Conductivity: 96 W/m·K
CRI: Ra>70
SDCM: <6
Ingress Protection : IP65
Impact Test: IK08
Operating Temperature: 50°C
Lifetime: 50,000H



**DarkSky
Approved**

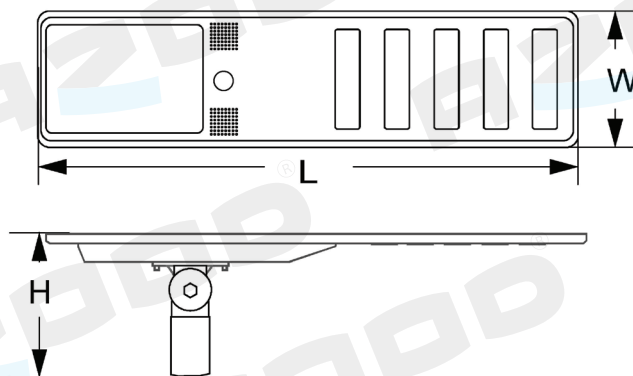
Commercial
Luminaire



Fixed 90 degree
mounting arm



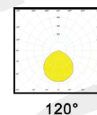
Fixed 0 degree
mounting arm



Functions

ON/OFF Photocell

Optical options:



Model DarkSky Approved	Solar Power	LED Chips	Battery	Lumen	Color Temp	LED	IP	LED Board	Dimension
AZ060-S0887-V300	18V60W	180	3.2V80Ah	4800	3000K	180	IP65	3	L0887×W400×H280MM
AZ060-S0887-V270	18V60W	180	3.2V80Ah	4800	2700K	180	IP65	3	L0887×W400×H280MM
AZ100-S1435-V300	18V100W	300	12.8V50Ah	10240	3000K	300	IP65	5	L1435×W400×H280MM
AZ100-S1435-V270	18V100W	300	12.8V50Ah	10240	2700K	300	IP65	5	L1435×W400×H280MM

AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Fixed Arm

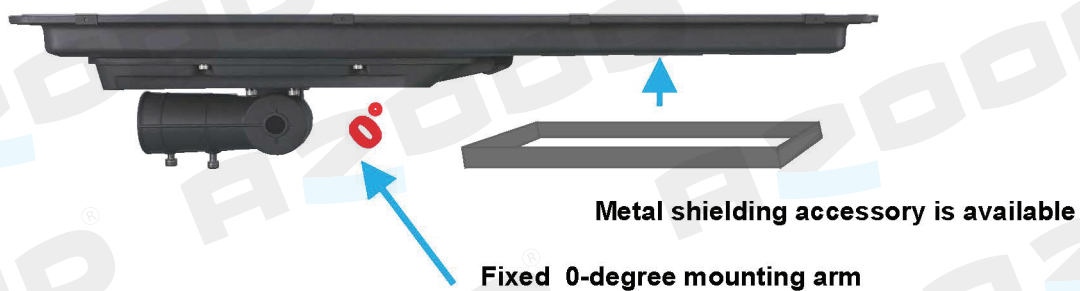


**DarkSky
Approved**

Commercial
Luminaire

This luminaire features a fixed 90-degree mounting arm that ensures horizontal installation relative to the ground, with no upward tilt or adjustment possible. The design prevents any user modification or repositioning, maintaining compliance with Dark Sky requirements.

An optional shielding accessory is available. This shield is made of metal and is specifically shaped to block or reduce direct visibility of the light source from certain viewing angles, minimizing glare and light trespass



AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Fixed Arm



DarkSky Approved

Commercial
Luminaire



DarkSky

DarkSky Approved Luminaire

COMMERCIAL PRODUCT FAMILY

AZOOD®

Solar LED Street Light Super Series AZ060

Thank you for being a valued part of the DarkSky Approved Luminaires program—providing quality lighting that protects dark skies and preserves the nighttime environment.

These efforts safeguard a shared cultural heritage and keep our stars shining bright.

Ruskin K. Hartley
Executive Director



DarkSky Approved

Commercial
Luminaire

James Brigagliano
Lighting Program Manager

Issued: 2025-05-30
ID#: DS-LUM-10053025

VERSION 3.0



AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Fixed Arm



**DarkSky
Approved**

Commercial
Luminaire

This luminaire features a fixed 90-degree mounting arm that ensures horizontal installation relative to the ground, with no upward tilt or adjustment possible. The design prevents any user modification or repositioning, maintaining compliance with Dark Sky requirements.

An optional shielding accessory is available. This shield is made of metal and is specifically shaped to block or reduce direct visibility of the light source from certain viewing angles, minimizing glare and light trespass



AZOOD®

**SOLAR LED LIGHT SUPER SERIES
ALL IN ONE**

DarkSky Approved

Fixed Arm



**DarkSky
Approved**

Commercial
Luminaire



DarkSky

DarkSky Approved Luminaire

COMMERCIAL PRODUCT FAMILY

AZOOD®

Solar LED Street Light Super Series AZ100

Thank you for being a valued part of the DarkSky Approved Luminaires program—providing quality lighting that protects dark skies and preserves the nighttime environment.

These efforts safeguard a shared cultural heritage and keep our stars shining bright.

Ruskin K. Hartley
Executive Director



**DarkSky
Approved**

Commercial
Luminaire

James Brigagliano
Lighting Program Manager

Issued: 2025-05-30
ID#: DS-LUM-20053025

VERSION 3.0





SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Fixed Arm



**DarkSky
Approved**

Commercial
Luminaire

Product Features

01 Solar Panel

- . A+ Grade photo cells with transfer rate over 22% .
- . come with Strong reflective uneven tempered glass, the light transmission rate up to 95% .

02 LED Chips

- . Famous branded LED Chips with longer lifetime and more steady and stable quality. Super Brightness 180lm/W.

03 Storage Battery

2

- . LiFePO4 Lithium Battery Cell with longer and safer working life, the cycle times is upto 000 times.
- . Build-in smart BMS, the discharging rate not less than 95% of the rated capacity, Over charging and discharging protection.

04 Solar Controller Parts

- . All Build in one Self Develop&Design, Come with our patent MPPT Smart separate controller and Smart AI chips to support super longer rainy or cloudy days.
- . Come with over current and voltage protection to make sure steady and stable working life.

05 Installation Way

- . Lamp Pole

06 Applications

Used for road projects, gardens, squares, and school grounds.....

AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Fixed Arm



**DarkSky
Approved**

Commercial
Luminaire

Installation Manual

1. This lamp can be installed on the lamp pole or on the wall as the pictures shown.
2. Before installation, please make sure the lamp can be at normal working. Firstly to press the button on the lamp to turn on, to check the lamps can be charged by sunlight or not, if well checked, then cover the solar panel, 3-10 seconds the lamps will lighting up.
3. To install on the lamp poles or on the wall with screws.
4. After installation, must make sure the lamp (switch) has been turned on.



Discharging Curve

100%												
70%												
40%												
20%												
	1H	2H	3H	4H	5H	6H	7H	8H	9H	10H	11H	12H

Configurable done as per site requirement or sizing

AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE

DarkSky Approved

Fixed Arm



DarkSky
Approved

Commercial
Luminaire



IECEE

الهيئة السعودية للمواصفات والمقاييس والجودة
Saudi Standards, Metrology and Quality Org.

شهادة اعتراف بشهادة (IECEE)
Recognition Certificate of (IECEE) Certificate
No.: 20250696603 الرقم:

بناء على شهادة الاختيار وتقرير الاختبار الموضحة بياناتها أدناه، وكون الهيئة السعودية للمواصفات والمقاييس والجودة هي جهاز منح الشهادات الوطني وعضو مشارك في الهيئة الدولية لتقويم المطابقة ومنح الشهادات للأجهزة والمكونات الكهرومغناطيسية (IECEE)، فقد تم منح هذه الشهادة اعترافاً بأن المنتج الموضح بياناته أدناه مطابق للمواصفات القياسية والفرقات الوطنية ذات العلاقة.

According to the test certificate and test report that their information is mentioned below, and as Saudi Standards, Metrology and Quality Organization (SASO) is the national certification body and a participant member in IEC System of Conformity Assessment Schemes for Electro-technical Equipment and Components (IECEE). Therefore, this certificate is granted as a recognition that the below mentioned product is conformed to the related national standards and differences.

Company name:	AZOOD FACTORY FOR INDUSTRY		اسم الشركة المصنعة:
Technical requirements\ Standard references:	SASO IEC 60598-2-3		المتطلبات الفنية/المعايير:
The issuing body of test certificate:	LABORATOIRE CENTRAL DES INDUSTRIES ELECTRIQUES - LCIE		جهة إصدار شهادة الاختبار:
FR_720415	رقم شهادة الاختبار: CB test certificate No.	AQTK-ESH-P24090752	رقم تقرير الاختبار: Test report No.

بيانات المنتج Product Information

Product name:	Lighting and its parts (required SLS Certificate)	اسم المنتج:
Technology name:	Light Emitting Diode (LED)	اسم التقنية:
Trade mark name:	AZOOD	اسم العلامة التجارية:
Additional information:	AZOOD FOR INDUSTRY COMPANY	معلومات إضافية:

Expiry date: 02/03/2026 تاريخ الانتهاء

لا تستعمل هذه الشهادة إلا مع هذا المنتج فقط دون أدنى مسؤولية على الهيئة في ذلك
This certificate is used only for this product without any responsibility on the side of SASO towards others rights



تخضع هذه الشهادة خلال مدة سريانها للأنظمة واللوائح ذات العلاقة في المملكة العربية السعودية وأي تعليمات أو تحديثات تصدرها الهيئة.
www.saso.gov.sa
This is an electronic certificate and does not require stamp and signature.
Visit SASO website (www.saso.gov.sa) to verify this certification.
Any changes or modification on this certificate will affect its validity.
POBox 3437 Riyadh 11471 KSA.
Tel: 920009085 Fax: +966114520086

هذه الشهادة تصدرت إلكترونيًا ولا تحتاج إلى ختم وتوقيع
لتأكد من صحة هذه الشهادة يرجى زيارة موقعنا على الإنترنت
www.saso.gov.sa
أي تعديل أو تغيير في هذه الشهادة يُلغِيها
من بـ 3437 الرياض 11471 المملكة العربية السعودية
هاتف: 920009085 فاكس: +966114520086

AZOOD®

SOLAR LED LIGHT SUPER SERIES ALL IN ONE


DarkSky Approved

Fixed Arm



DarkSky
Approved

Commercial
Luminaire

 الهيئة السعودية للمواصفات والمقاييس والجودة Saudi Standards, Metrology and Quality Org. ملحق الشهادة Appendix		
Company Name	AZOOD FACTORY FOR INDUSTRY	
Trade Mark Name	AZOOD	
02/03/2026	[a>!:Y Certificate Expiration date	20250696603 [a>!:Y Certificate Number :
Serial No	Model Number	Energy Efficiency Certificate Number
1	AZ100-S1435-V600	LP2112416662
2	AZ060-S0887-V600	LP2112416662
3	AZ035-S0650-V600	LP2112416662

www.saso.gov.sa
This is an electronic certificate and does not require stamp and signature.
Visit SASO website (www.saso.gov.sa) to verify this certification.
Any changes or modification on this certificate will affect its validity.
P.O.Box 3437 Riyadh 11471 KSA
Tel: 920009085 Fax: +966114520086

هذه الشهادة مسندة إلكترونياً ولا تحتاج إلى ختم أو توقيع.
تتأكد من صحة هذه الشهادة بزيارة موقعنا على الإنترنت
www.saso.gov.sa
أي تغيير أو تعديل على هذه الشهادة يغير قيمتها.
س.ب. ٣٤٣٧ الرياض ١١٤٧١ المملكة العربية السعودية
هاتف: ٩٢٠٠٠٩٠٨٥ فاكس: +٩٦٦١١٤٥٢٠٠٨٦