

AⁱHENA

SOLAR LED PEDESTRIAN LIGHT



ATHENA

SOLAR LED
PEDESTRIAN
LIGHT

E-AblePower
Technology

Lumens **2800**



LifePO4 Battery
long lifetime,
3000 cycles DOD 70%



Microwave sensor
360 degree covering
Covering big areas



High luminous
up to 180lm per watt
ultra high efficiency



Weather proof
IP65 level
Outdoor using



Quality finishing
class A components
quality guaranteed



360 degree lighting
covering more area
uniform lighting output



Set powers & CCT
Lighting power and
light color is adjustable



2.4G Remote control
Long distance operation
360 degree signal



Introduction

Our backyards and gardens are places of relaxation and close to our heart, and with the same passion we present Eliora as the most advanced solar garden light for your nature friendly living. Eliora solar garden light efficiently illuminates your recreational living areas, gardens, and pathways with 360-degree beam, glare-free lighting in solar energy, and stand-alone off-grid functioning. Eliora is aesthetically designed for comfortable living but elegant styling suitable for home and hospitality applications with zero operational costs.

Designed with a simplified cosmetic appearance, Eliora is a great combination with the latest technology of lithium battery, solar panel, and smart control system. High-efficiency 42W solar panel and MPPT solar charge controllers are adopted to ensure sufficient electrical power could be generated every day to ensure the luminaire work stably without blackout all year round.

With the built-in lighting programs, the lighting power and working time could be easily adjusted as required via the remote control. The light can also work in motion detecting mode which will help to save more energy. Eliora is a suitable solar pedestrian light to work perfectly no matter in gulf countries with 5.5 hours of valid sunshine or in north Europe with 2.5 hours of valid sunshine.

Eliora solar garden light is highly customizable via the remote control in terms of color temperatures, lighting power and working time to match the garden atmosphere. Auroras's decade of experience in solar lighting technologies makes eliora as the perfect choice for home users and project customers, contributing to the green energy and reduce carbon footprints.

Designing Concept



Eliora solar garden light is designed with an aesthetic appearance, simple slim curvy with modern look.

Quality Positioning



Especially designed for high-end customers with stable quality, smooth and fine workmanship, perfect after-sales support.

Multi-Function



Users can customize the lighting program freely as needed, support lighting up at day time especially.

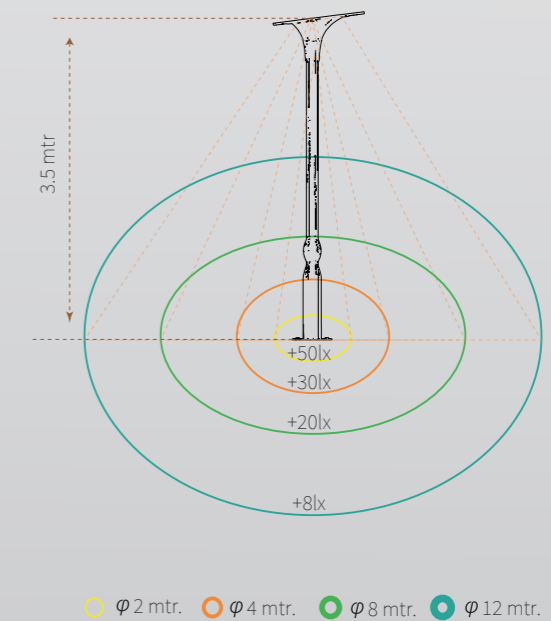
Product Specifications

| | |
|--------------------------------------|--|
| MODEL NO - ALIORA AI-GL600R | |
| Rated Power | 18W max |
| LED Type | Philips Lumileds SMD2835 128 Pcs Multichip Technology |
| LED Efficiency | 180lm/W max |
| Luminous Flux | >2,800lm |
| CCT Range | 3000K- 6000K |
| Color Rendering Index CRI | >80 |
| Beam Angle | 120° |
| LED Life | 60000 hrs. |
| Battery Pack Data - 154Wh | |
| Nominal Battery Voltage | 12.8V |
| Battery Type | LiFePo4 Lithium Iron Phosphate |
| Capacity (Ah) @ C10 | 12Ah |
| Nominal Energy | ≥154Wh |
| Charging current | 10A max |
| Discharging current | 10A max |
| Battery autonomy | 1 day working plus 2-days backup 3~5 days in motion detection mode |
| Working temperature | -20°C to +70°C |
| Battery Protection | Battery Management System (BMS Protection) |
| Cycle Life | ≥4000 (charge/discharge with 50% DOD at 25°C, and residual capacity ≥80% normal capacity.) |
| Battery life | 8 years above |
| Warranty | 3 years |
| Charge Controller - 10mps/12V | |
| System voltage | 12V |
| Load maximum power | 30W/12V |
| Maximum solar input power | 42W/18V Monocrystalline |
| Maximum charging current | 5.5A |
| Controller Type | MPPT |

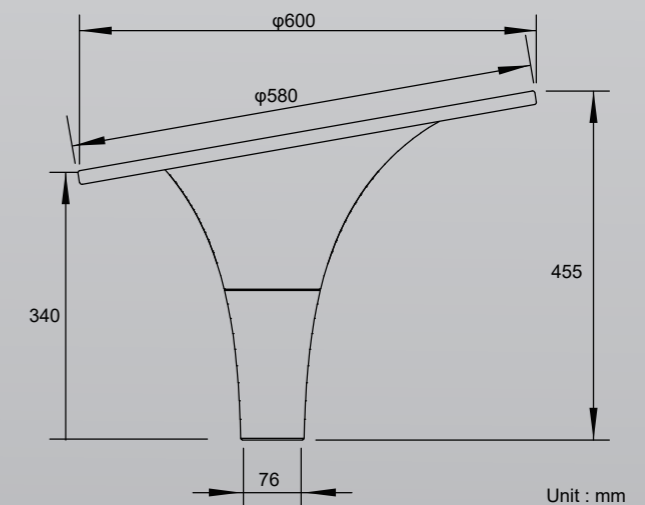
| | |
|-----------------------------|--|
| Over-discharge voltage | 11V |
| Warranty | 3 years |
| Solar Module Data | |
| Maximum Power Pmax(W) | 42 Wp |
| Numbers of cells | 36 cells |
| Open Circuit Voltage (Voc) | 21.6 V |
| Short Circuit Current (Isc) | 2.56 A |
| Maximum Power Voltage (Vmp) | 18 V |
| Maximum Power Current (Imp) | 2.33 A |
| Backsheet color | Black |
| Solar Cell Efficiency (%) | 19.80% |
| Operating Temperature (°C) | -40°C to +85°C |
| Module Fire Performance | CLASS C (IEC 61730) |
| Power Tolerance (%) | ± 3% |
| Control Method | Automatic dusk to dawn with Time Control / Manual ON-OFF |
| Lighting Modes | Constant lighting with fixed power or 30% + 100% motion detection mode |

| | |
|---------------------------|---------------------------|
| Environmental Data | |
| Working Temp. | -20 °C ~ 70 °C |
| Fixture IP | IP65 |
| Cooling | Conventional |
| Light Fixture Material | Polycarbonate + aluminium |
| Relative Humidity (RH) | 10%-95% |
| Mechanical Data | |
| Product Finish | Silver / Black |
| N.W/Light | 12.20kg |
| G.W/Light | 13.50kg |
| Light Dimensions | D600*435mm |
| Pole diameter to fit | φ76mm |

Light Distribution



Product Dimensions



ALUMINIUM DIE CASTING

High-end surface treatment on aluminium body, no possibility to get about rust or oxidation even after long-term use, Always maintain the original color as brand new appearance.

MILKY DIFFUSER

Up to 93% high light transmittance diffuser enable the light output with more uniform and soft performance without glare and more elegant.

LED TECHNOLOGY

180lm/Watts high luminous efficiency, Color temperature is changeable between 3000K and 6000K (or 4000K), brightness is adjustable between 20%~100% freely as required. Aluminum heat sink can help LED to maintain high lighting efficiency by keeping led working under 60 degrees and extends the lifetime of LED chip greatly..

DRAINAGE HOLES

With professional design of the structure, water will leak out from these drainage holes even if rainwater enters the interior of the lamp body, it will not affect the light performance at all.

MONOCRYSTALLINE PV

Efficiency 19.8% mono solar panel is equipped to generate electricity power continuously and keep the system working stably.

LIFEPO4 BATTERY

Up to 4000 cycles D.O.D 50% lithium battery is built-in. Ensuring system running up to 8 years without any maintenance. Battery capacity: 154WH

TRANSPARENT COVER

Strong and transparent polycarbonate cover protects the milky optics from any damage and blocks ways insects entering, keep inside of the light always neat and easy to clean

MPPT CONTROLLER+ SENSOR

Microwave sensor is built inside, motion detection mode is available by remote control, More energy could be saved. MPPT charge controller are adopted ,30% power will be generated than using PWM controller.



ANTI-THEFT SCREW

Special customized stainless steel 304 anti-theft screws are used, which are easy to install, stronger, and will not rust.

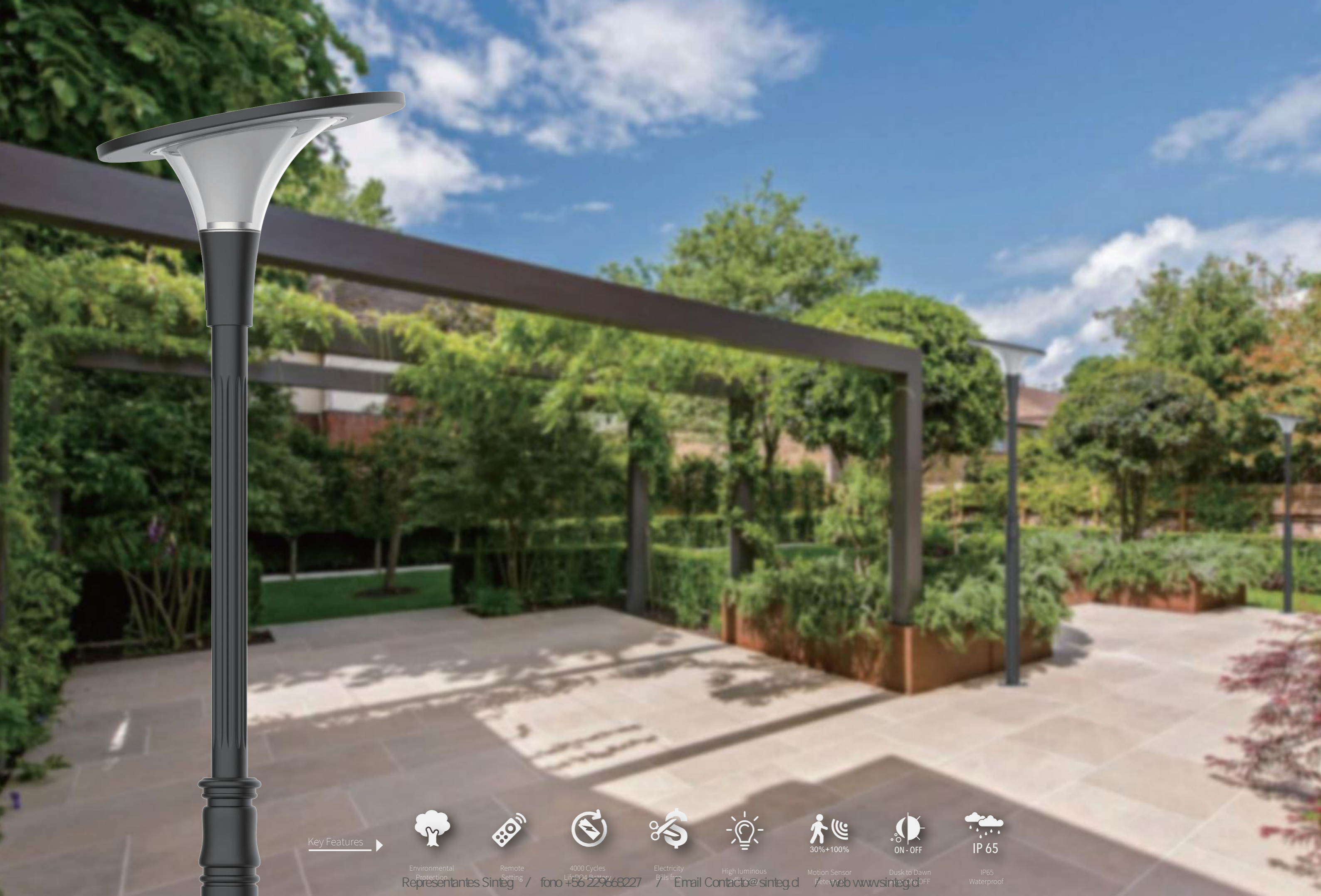
2.4G REMOTE CONTROL

2.4G remote control has a longer control distance and 360 degree signal transmission. Its functions contain to set the light power, select the color temperature and the working hours.

76MM DIAMETER

Suitable for pole diameter 60~76mm. Easy to fix to most sizes of poles by 2pcs of M8 screws.





Key Features ▶



Environmental Protection



Remote Setting



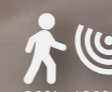
4000 Cycles Life-PO4 Battery



Electricity Bills free



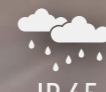
High luminous



Motion Sensor Detection



Dusk to Dawn ON - OFF



IP65 Waterproof

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