

Solar Garden Light

IZUMI LED
TECHNOLOGY OF JAPAN



LiFePO4 Battery | Intelligent Control | High brightness LED beads | Biodiversity Protection | IP65 Waterproof | Designed Aesthetically | Remote Control

Product Description

IZUMI LED solar pedestrian light features a futuristic design, developed to protect wildlife from harmful blue light with UGR<1%. It delivers smooth, pollution-free lighting at night. Combining a high-efficiency MONO solar panel, LiFePO4 battery, and MPPT solar charge controller, it achieves ultra-bright output up to 190lm/W with minimal power consumption. It provides stable, continuous light even in low sunlight, with adjustable lighting power and duration for optimal performance. Perfect for gardens, parks, walkways, and bike lanes, IZUMI LED boasts a maintenance-free lifespan of up to 10 years.

Features

- Dark Sky approved by the International Dark Sky Association
- Lighting output, working period and color temperature are client-programmable
- Available Colors: Anthracite Grey and Black
- Environmentally Friendly Functionality
- Battery Capacity: 154 Wall Hours / 6000 cycles
- Battery Type: LifePO4
- Solar Powered: Free from grid-tied electricity and zero impact on your electric bill
- Easy Install: No electrician, electricity, cables or wires needed.
- 2800 Lumens: High Lumen Efficiency - Over 280 LM per watt
- Remote Control: For grouping, light scheduling and programming tailored to your needs.
- Charge Time: 4 Hours
- Discharge Time: 24 Hours
- Battery Autonomy: 2-3 days ~3-5 days in motion detection.
- Warranty: 5 Years
- Specialty poles not needed! Cut costs and use locally sourced poles!

Compliance

4H/6H/12H optional changeable by remote

ON - OFF

Dusk to Dawn automatically ON/OFF

2.4G remote signals is more stable performance

Sensitive PIR motion sensor can be ON/OFF

Dual CCT is changeable between two colors

6000 cycles brand new LifePO4 battery unit



Application

- Street, Road
- Bike Track, Pathway
- Residential, Villa
- Public Area, Park, Car Parking Lot
- Jetties, Coastal, Marina, Dock



Warranty

Until 5 year lifespan

50,000hrs (L70B50@25Ta)

Technical Parameter

Electrical

Specification	AI-GL590R
Power	18W
LiFePO4 battery	12.8V 154WH
Solar panel	38W 18V MONO
Power Factor	> 0.95
Motion sensor	PIR
Dimmable	0-10V Dimming(Optional)

Optical

Specification	AI-GL590R
Lumens (lm)	2,800lm
CCT	3000K+4000K / 3000K+6000K
Solar Controller	High Efficiency 97% MPPT
Dimension	φ590*H550mm

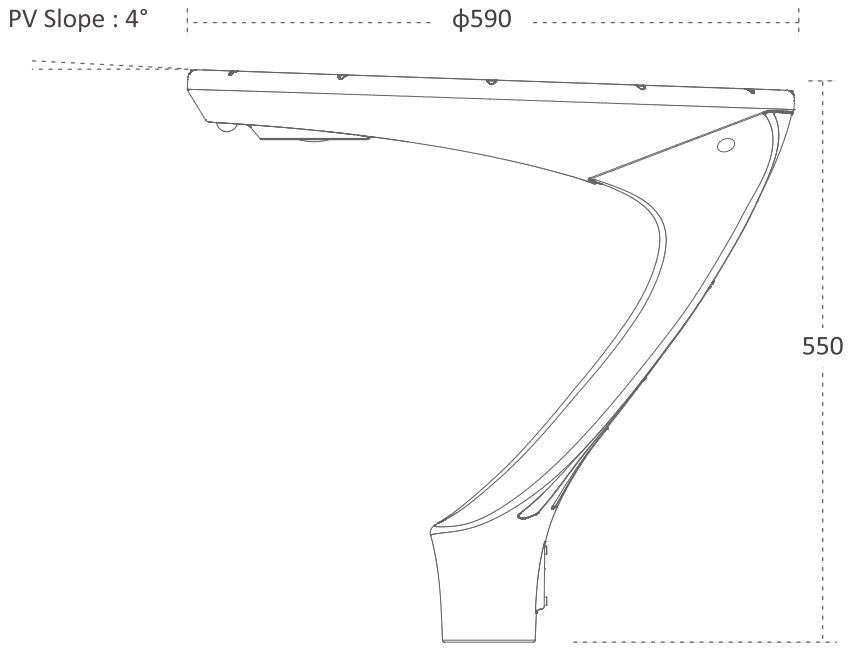
Environmental

Specification	AI-GL590R
Ambient Temperature	-15 °C ~ 70 °C

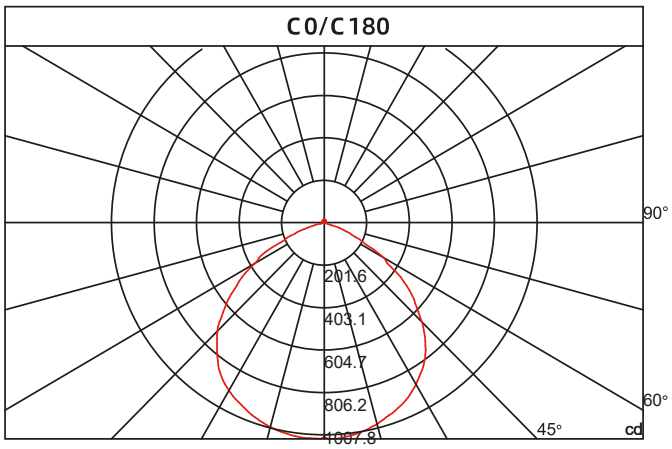
Mechanical

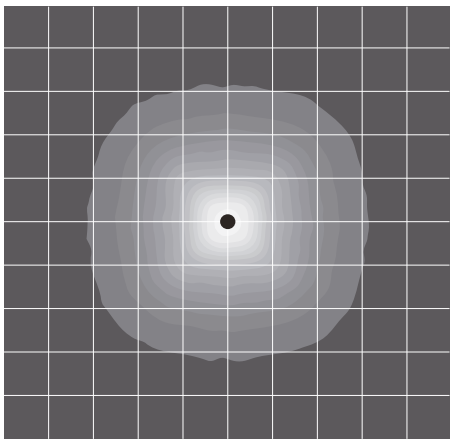
Specification	AI-GL590R
Materials	Aluminum casting + tempered glass
IP y IK	IP65 / IK10
Charging time	4 hours
Cell type	Monocrystalline silicon

Product Dimensions



Lighting Performance





Product Dimensions





Ligting Performance

Luminous flux	2,800lm max
Peak LED power	18W
CRI	>80
CCT range (dual color)	2200K+3000K / 3000K+4000K / 3000K+6000K
LED lifetime	>100,000 hours
Light dimension	ϕ 590 * H550mm
Warranty	3 years



LiFePO4 Battery

Battery type	LifePO4 32700 6000mA 3.2V
Battery capacity	154WH 12.8V
Battery lifetime	6000 cycles @ D.O.D 80%
Charge Time	4 hours
Discharge time	>24 hours
Working temp.	-15°C~70°C
Battery autonomy	2 -3 days, 3~5 days in motion detection mode



Control System

Control method	Automatic dusk to dawn
Solar charge controller	MPPT controller
Charging efficiency	>97%
Remote type	2.4G radio
Operation distance	up to 30 meters
Sensor type	PIR motion sensor
Adjustable function	CCT / LED power / Time / Working mode



Solar Panel

Peak Power	38W
Rated Voltage	18V
Cell Type	MONO crystallinesilicion
Cell Efficiency (%)	>22.5%
Lifetime	>20 years
Waranty	5 years