

# USER MANUAL



## CONSTELLATION SERIES

Thank you for choosing the constellation series solar Gemini light, For any questions, please email us.

Please refer to the actual products if the provided diagrams show slight differences.

Before using the smart solar street light, carefully read the following precautions to avoid damage or errors.

## Precautions

### Operation Conditions & Limitations:

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This product is rated as IP66 protection grade. Do not exceed the stated operating limits. The operating temperature range is from -20°C to +60°C and the charging temperature limit is within 0 to 60°C. If equipped with heating features, it may be used between -40°C and +60°C. The heavy-duty structure will survive up to a category 12 typhoon or cyclone. (Storms above category 12 may cause damages to the product).

### Transportation & Storage:

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This product contains lithium batteries. please follow air transport regulations when shipping. It should be regarded as potentially flammable and explosive, and be isolated from other goods when stored, so as to avoid any damage. The solar panels of this product should be considered as fragile. There should never be more than 4 layers of boxes when stacked. To avoid damage to the panels, make sure no heavy pressure is applied to the boxes. please store the product in temperature between 0°C to 45°C. If stored for a long period, the product should be recharged every 6 months. please only use the special charger (purchased from manufacturer) to avoid damage to the battery or device.

### Product Maintenance:

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To ensure effective solar light absorbance, clean the surface of the panels regularly with water and a soft cloth. Do not use chemical solutions or abrasives.

This solar street light operates on a low voltage DC current. Unless customized otherwise, do not connect components or ports to an AC current or any higher rated DC voltage.

Do not replace the original unit with unauthorized third party parts as they may cause serious damage to the product. To order replacement parts or to have them fitted, please visit <http://aibite.en.made-in-china.com> or contact your local distributor.

### Product Recycling:

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This product is made from recyclable, high-performance materials. All materials are compliant to the ROHS standard. do not dispose of this product with other household waste. Please check your local regulations on collection and disposal of electronic items. proper disposal of used product helps prevent negative impacts on the environment.

### Modification:

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It is not on the terms of warranty if clients does modify or refit the light leading to no-proper working without authorization of Aibite.

# Product Manual

## Introduction

solar Gemini light series is extremely versatile, robust solar street light.

It features all of its components fully integrated within an attractive and compact design. It combines a highly efficient adjustable solar panel with a 'smart' and 'intelligent' charge controller to energize a high capacity lithium-ion battery that supplies power to the super-bright Bridgelux LEDs to achieve multiple features such as high luminance, long lifespan, minimal maintenance and easy installation.

By choosing a wireless module and wireless concentrator, user can wirelessly control the light, monitor working status, set custom working mode or review historical charging data. solar Gemini light brings you a easier way to control the outdoor lighting than even before.

## Application:

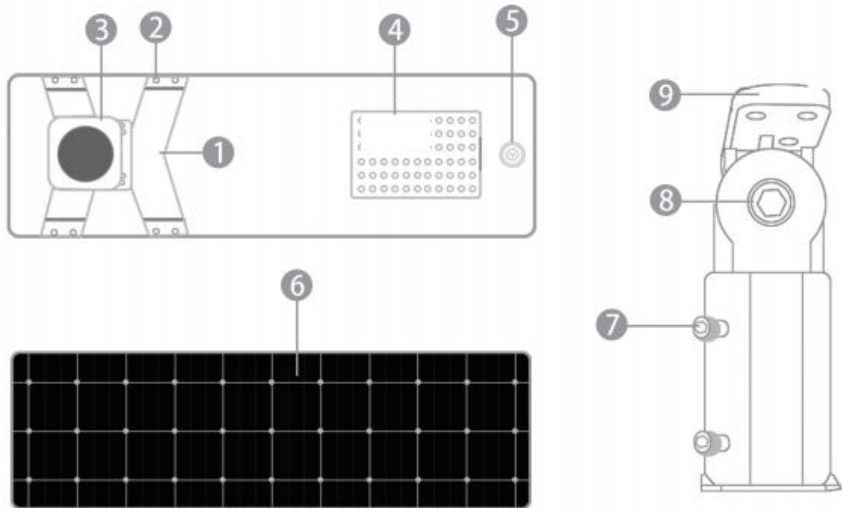
Multi options & wide usage:

From 20w to 120w , all-in-one solar lighting system can be used for a wide range of area lighting.



- \* Public areas & Parks & campuses
- \* Residential & Community Center
- \* Urban trunk road & slow lane
- \* Bike trails & Tourist attraction
- \* City stadium & Office district
- \* Parking lots & Entrance Lighting
- \* Island & dock & Coastal
- \* Industry & Mining security & Perimeter
- \* Refugee camp & Temporary Construction

# Product Manual



NO.	Parts
1	Base
2	M8 Allen screws
3	Φ60mm Adjustable sleeve
4	LED Light source
5	Solar street light motion sensor
6	High efficiency solar panel
7	M6 Allen screws
8	M12 Allen screws
9	Solar street light fixing holder

# PACKAGE INCLUDE:



1. light body

----1pc----



2. user manual

----1pc----



3. remote controller

----1pc----

## REMOTE CONTROLLER

**OFF Button:** Turn on or turn off light.

**DEMO Button:** Testing LED lamp mode, lamp power working by 20% ( for example: default is 0%, press again, it will be 20%, again, increase to 40%, 0%-100% available ), Period time is 1 minute.

**L Button:** Dusk to dawn mode (1 hours of 100%, 3 hours of 70%, 8 hours of 20%).

**T Button:** Time and light control Mode (2 hours of 100%, 2 hours of 70%, 2 hours of 50%).

**M Button:** Microwave Mode (Light turned on for 12 hours, 100% sensor, 20% not sensor).

**U Button:** 2 hours of 100%, 2 hours of 70%, 2 hours of 50%; 6 hours, 50% sensor, 20% not sensor.



## Introduction of PIR sensor

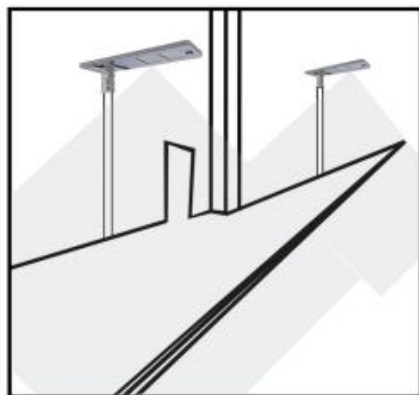


## The wong working situations as below:

- 1.Light flickers un-regularly.
- 2.The lamp is too sensitive, so it is always at 100% light,then battery can't last long.
- 3.sensor does not work, not light when people come closee.

## Factory settings and motion detection functions:

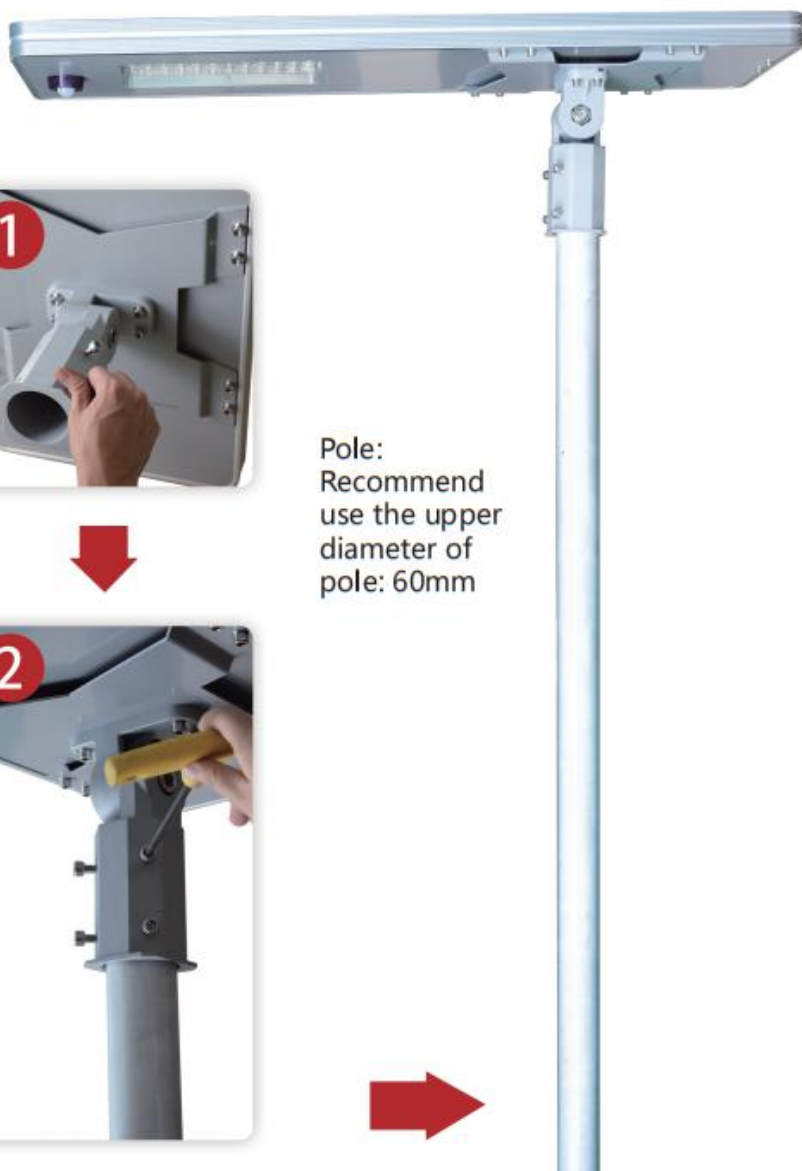
The factory setting of the Gemini light series switch is light-controlled. The lamp automatically lights up when it is dark and turns off when there is light or at dawn. At night, when no one is around, it operates under power saving mode. When anyone approaches, its brightness increases by a factor of four.If the air temperature is close to human temperature, the motion detection may reduce in sensitivity.



# Install two songs



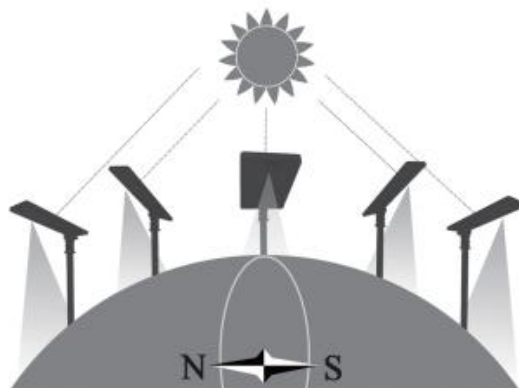
Pole:  
Recommend  
use the upper  
diameter of  
pole: 60mm



# Installation

## 1.Environment:

Please select the appropriate angle according to the installation site's sunlight intensity and required operating time. If you are in the northern hemisphere, face the solar panels towards the south as far as possible when installing the Gemini light series; if you are in the southern hemisphere, face the solar panels towards the north.



For maximum operation efficiency of the solar panel, make sure the sunlight is not blocked by buildings or trees.





## 2.Height and distance parameters:

Install according to the height and distance (between the lamps) restrictions as set by each respective product type. consult our product specialists for special lighting requirements.

Power	Height Recommended	Installation Distance
20w	4-5m	12-14m
30w	5-6m	14-16m
40w	6-7m	16-19m
50w	7-8m	19-23m
60w	7-8m	23-27m
80w	8-9m	27-30m
100w	9-10m	30-33m
120w	9-10m	33-35m



# WARRANTY CARD

Username: _____	Date of purchase: _____
Contact number: _____	Installation address: _____
Product name: _____	
Dealer(seal): _____	

## Maintenance records

Repair date	Maintenance project	Maintenance unit	Repairer signature

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### NOTE:

1. The product warranty period is three years since factory.
2. During the warranty period, any problem caused by normal use under the user manual (determined by the controller factory), reparation is free of charge.