



### I. Product Information

Item	Specification
<b>Product Name</b>	Solar Pool Wall Light
<b>Product Type</b>	Solar RGB Pool Wall Light
<b>Structure mode</b>	Pool Wall Mounted. Extendable and Foldable Design
<b>Installation Method</b>	Traceless Adhesive / Clamp Mounting
<b>Application Scenarios</b>	Home Pools / SPA / Garden Landscape, no damage to pool surface

### II. Solar Power Supply System

Item	Specification
<b>Solar Panel Operating Voltage</b>	5.0 V
<b>Solar Panel Operating Current</b>	0.67 A
<b>Solar Panel Peak Power</b>	3.35 W
<b>Charging Method</b>	Automatic Solar Charging Under Direct Sunlight
<b>Sunlight Exposure Time</b>	6 Hours Direct Sunlight
<b>Operating Mode</b>	Daytime Charging / Automatic Lighting at Night

### III. Battery System Specifications

Item	Specification
<b>Battery Type</b>	Lithium polymer battery pack-21700

<b>Battery Capacity</b>	9000 mAh
<b>Battery Voltage</b>	3.7 V
<b>Protection Functions</b>	Overcharge / Over-discharge / Short Circuit Protection

#### IV. LED Lighting System

Item	Specification
<b>LED Type</b>	RGB LED
<b>LED Quantity</b>	49 pcs
<b>Maximum Brightness</b>	600 lm
<b>Lighting Modes</b>	RGB Color Changing / Fixed Color / Gradient Mode
<b>Operating Method</b>	Automatic Light Sensor Activation
<b>Recommended Lighting Duration</b>	4h

#### V. Brightness Modes

Time Period	Brightness
<b>1st h</b>	600 lm
<b>2nd h</b>	450 lm
<b>3rd-4th h</b>	300 lm

Performance Description:  
The system adopts an intelligent segmented dimming mode, reducing overall power consumption while maintaining nighttime visual brightness and improving continuous rainy-day battery endurance.

#### VI. Product Functions

Item	Specification
<b>Main Function</b>	Pool Ambient Lighting
<b>Auxiliary Function</b>	andscape Decoration
<b>Operating Method</b>	Fully Automatic Operation
<b>Waterproof Rating</b>	IPX8
<b>External Power Supply</b>	None
<b>Control Method</b>	Automatic Light Sensor / Remote Controller

#### VII. Product Features

Solar Powered Operation
RGB Pool Wall Lighting
49 High-Brightness RGB LED Beads
Intelligent Brightness Adjustment
Automatic Night Operation
Extendable and Foldable Design
Low Power Consumption