

GY-TYD

# Generic GY-TYD 1200W LED Solar Flood Light User Manual

Model: GY-TYD

## 1. PRODUCT OVERVIEW

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This manual provides instructions for the Generic GY-TYD 1200W LED Solar Flood Light. This outdoor lighting unit features a motion sensor, three distinct operating modes, and remote control functionality. It is designed for security and general illumination in outdoor environments such as yards, streets, and walls.



Image: The Generic 1200W LED Solar Flood Light, a motion sensor security wall light.

### Key Features:

- **Three Lighting Modes:** Offers versatile illumination options controlled by motion detection or continuous dim light.
- **Remote Control:** Allows convenient adjustment of lighting modes.
- **PIR Motion Sensor:** Detects movement up to 16.4 feet within a 120° angle, activating the light.
- **IP65 Waterproof Rating:** Constructed with heatproof PC plastic steel and anti-UV material for durability in various weather conditions.
- **Polysilicon Solar Panel:** Efficient solar charging with a 5.5V, 1200mAh lithium battery, providing 8-10 hours of light after 6-8 hours of charging.

### Package Contents:

- 1x Solar Street LED Light Lamp
- 1x Remote Control
- 3x Nails (for mounting)

## Product display



Image: Contents of the package, including the solar flood light, its remote control, and three mounting nails.

## 2. SETUP AND INSTALLATION

Before installation, ensure the solar panel receives direct sunlight for optimal charging. The light can be mounted on a wall or pole.

### Installation Steps:

1. **Choose Location:** Select a location where the solar panel will receive maximum direct sunlight throughout the day. Avoid shaded areas.
2. **Mark Drilling Points:** Hold the light fixture against the desired mounting surface (wall or pole) and mark the positions for the mounting holes.
3. **Drill Holes:** Drill holes at the marked positions.
4. **Insert Anchors:** Insert the provided wall anchors (if applicable for your surface) into the drilled holes.
5. **Mount Light:** Secure the light fixture to the wall or pole using the provided nails/screws. Ensure it is firmly attached.
6. **Adjust Angle:** The light's bracket allows for a 60° rotation. Adjust the angle to direct illumination as needed.



Image: Detailed view of the solar flood light showing the PIR motion inductor, ON/OFF switch, and the adjustable bracket allowing 60° rotation for optimal positioning.

### **Initial Charging:**

Allow the solar light to charge for at least 6-8 hours in direct sunlight before its first use to ensure the battery is fully charged. The light will automatically absorb sunlight during the day.

# "0" degrees of electricity



6~8Hours



>6Hours

Image: Illustration of the solar panel absorbing sunlight for 6-8 hours during the day, and the light activating for over 6 hours at night with a 120° motion detection angle.

## 3. OPERATING INSTRUCTIONS

The solar flood light features a PIR motion sensor and three distinct lighting modes, controllable via the included remote.

### Lighting Modes:

- **Mode 1 (Motion Sensor Full Brightness):** The light remains off until motion is detected. Upon detection, it illuminates at full brightness for approximately 20 seconds, then turns off.
- **Mode 2 (Motion Sensor Dim to Full Brightness):** The light maintains a dim brightness. When motion is detected, it switches to full brightness for approximately 20 seconds, then returns to dim brightness.
- **Mode 3 (Always On Dim Brightness):** The light stays on continuously at a dim brightness (approximately 70% of full brightness) in dark conditions, regardless of motion. This mode is also referred to as AUTO Mode.

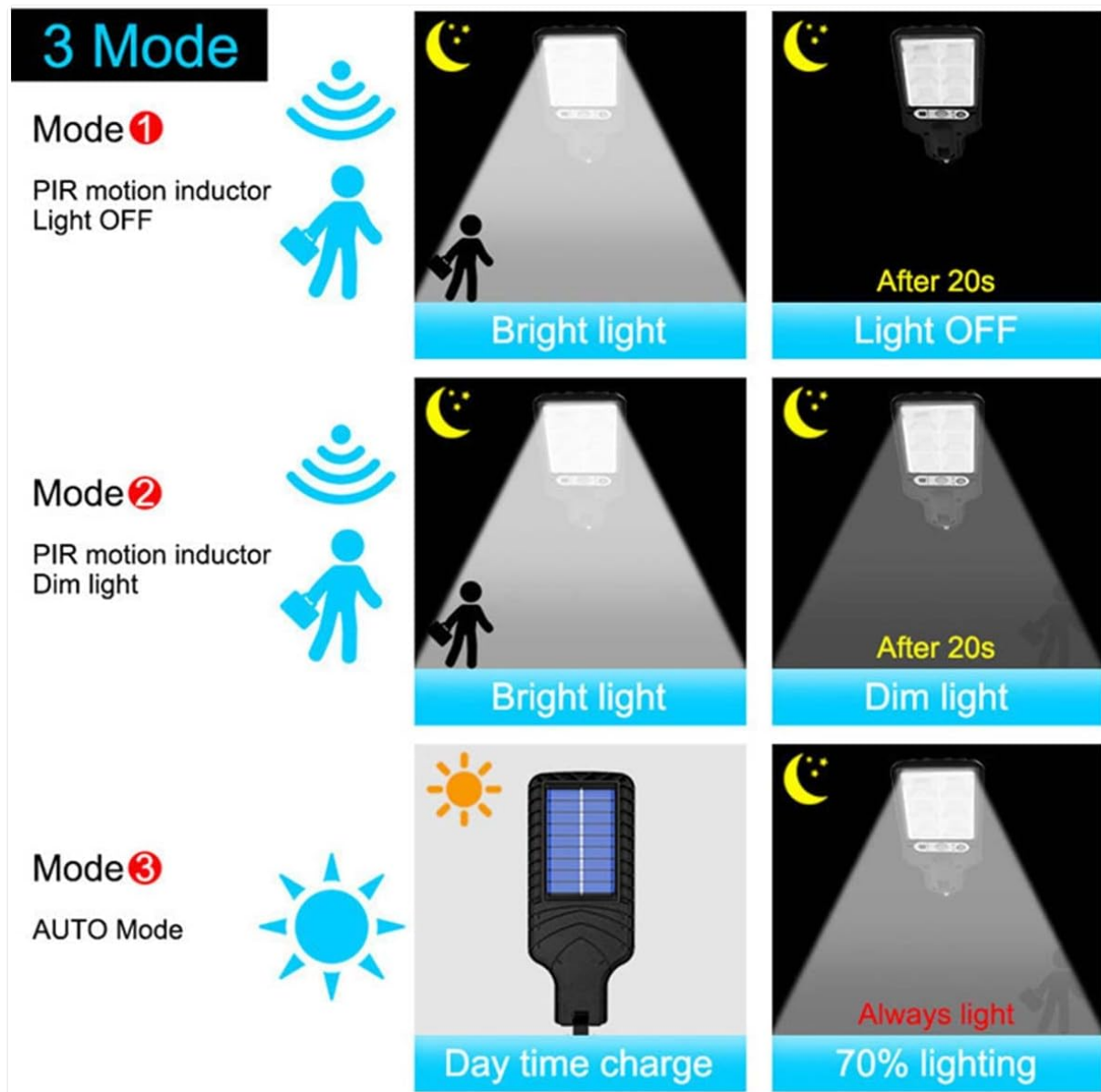


Image: Visual representation of the three lighting modes: Mode 1 (motion detected, bright light, then off), Mode 2 (motion detected, bright light, then dim light), and Mode 3 (always on at 70% brightness after daytime charging).

### Using the Remote Control:

The remote control allows you to switch between the three lighting modes and manually turn the light on or off. Point the remote directly at the light's sensor for effective operation.

## 4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your solar flood light.

### Cleaning the Solar Panel:

Periodically wipe the solar panel surface with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient sunlight absorption and charging.

### Weather Resistance:

The light is designed with an IP65 waterproof rating, making it resistant to rain and dust. While it can withstand various weather conditions, avoid submerging the unit in water.



Image: The solar flood light operating effectively outdoors during a rainstorm, demonstrating its IP65 waterproof capability.

## 5. TROUBLESHOOTING

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If you encounter issues with your solar flood light, refer to the following common troubleshooting steps:

- **Light does not turn on at night:**
  - Ensure the light's ON/OFF switch is in the "ON" position.
  - Verify the solar panel is receiving direct sunlight for at least 6-8 hours during the day. Obstructions like trees or buildings can reduce charging efficiency.
  - Check if the remote control battery needs replacement.
  - Ensure the light is not installed under another light source that might prevent its activation at night.
- **Motion sensor is not detecting movement:**
  - Confirm the light is set to Mode 1 or Mode 2, which utilize the motion sensor.
  - Ensure there are no obstructions directly in front of the motion sensor.

- Verify the distance and angle of detection are within the specified range (up to 16.4ft, 120°).
- **Light duration is shorter than expected:**
  - The solar panel may not be receiving sufficient direct sunlight for a full charge. Relocate if necessary.
  - Clean the solar panel surface to maximize charging efficiency.
  - Extreme cold weather can affect battery performance.

## 6. SPECIFICATIONS

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Feature	Specification
Model Number	GY-TYD
Brand	Generic
Solar Panels	Polycrystalline Silicon
Battery	5.5V 1200mAh Lithium Battery
Motion Sensor Angle	120°
Motion Induction Distance	9.8ft - 16.4ft (3-5 meters)
Brightness	300LM (Lumen)
Quantity of LED	72COB
Voltage	5.5V
Waterproof Rating	IP65
Material	Acrylonitrile Butadiene Styrene, Metal
Control Method	Remote Control
Item Dimensions (L x W x H)	8.9"L x 3.3"W x 1"H

## 7. WARRANTY INFORMATION

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Specific warranty details for this product are not provided in the available information. Please refer to the seller or manufacturer's documentation at the time of purchase for warranty terms and conditions.

## 8. CUSTOMER SUPPORT

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For further assistance, technical support, or inquiries regarding your Generic GY-TYD 1200W LED Solar Flood Light, please contact the seller or retailer from whom the product was purchased. They will be able to provide the most accurate and up-to-date support information.

