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Cenfmltd BYE-200W

Cenfmltd Solar Flood Street Lights (Model BYE-200W) Instruction Manual

Outdoor Waterproof LED Security Lights with Motion Sensor and Remote Control

1. Important Safety Information

Please read all instructions carefully before installation and use. Keep this manual for future reference.

- Ensure the solar panel receives direct sunlight for optimal charging.
- Do not disassemble, repair, or modify the product. This may cause damage or injury.
- Keep the product away from fire or high temperatures.
- Dispose of batteries according to local regulations.
- Avoid direct eye exposure to the LED light.

2. Package Contents

Verify that all components are present in your package:

- Lamp Body (x1)
- Lamp Arm (x1)
- Bolt Driver (x1)
- Remote Control (x1)
- Fixing Screws (x1 set)
- Wall Screws (x2)
- Expansion Screws (x2)
- Instructions Manual (x1)



Image: Contents of the Cenfmltd Solar Flood Street Light package.

3. Product Overview

The Cenfmltd Solar Flood Street Light is designed for outdoor security and illumination, featuring a solar-powered system, motion sensor, and remote control for convenient operation.



Image: Front and back view of the solar light, detailing its components.

Key Components:

- **Polycrystalline Silicon Solar Panels:** Efficiently convert sunlight into electricity.
- **High Brightness LED Beads:** Provide powerful 6500K daylight illumination.
- **Motion Sensor:** Detects movement to activate full brightness.
- **Durable ABS Shell:** Ensures IP65 waterproof, rust, and lightning resistance.
- **On/Off Switch:** Manual control for the light.
- **Remote Control:** Adjusts brightness, sets timers, and controls modes.

4. Setup and Installation

Follow these steps for proper installation to ensure optimal performance:

1. **Choose a Location:** Select a mounting location where the solar panel will receive direct sunlight for 5-6 hours daily. Avoid areas with obstructions like trees or eaves that could block sunlight.
2. **Recommended Mounting Height:** Install the light at a height of 4-13 feet (1.2-4 meters) for effective lighting coverage of 160-430 square feet.
3. **Mount the Lamp Arm:** Attach the lamp arm to the desired surface (wall, pole, etc.) using the provided screws and expansion screws.
4. **Attach the Lamp Body:** Securely connect the lamp body to the mounted arm.
5. **Activate the Light:** Before first use, ensure the light is switched ON using the button on the lamp body or the remote control.



Image: Important tip for selecting an unobstructed installation location for the solar panel.



Image: Recommended mounting height and lighting coverage area.

5. Operating Instructions

The solar light features intelligent light sensing and motion detection, controllable via the included remote.

Automatic Operation (Dusk to Dawn):

The light automatically turns on at dusk and off at dawn, provided it has sufficient charge.



Image: Solar light charging during the day and illuminating at night.

Motion Sensor Mode:

In motion sensor mode, the light maintains 30% brightness. When motion is detected, it increases to 100% brightness for 20 seconds, then returns to 30% if no further motion is detected.

Remote Control Functions:

- **ON/OFF:** Power the light on or off.
- **Brightness Adjustment:** Select brightness levels: 25%, 50%, 75%, or 100%.

- **Timer Settings:** Set the light to operate for 2, 3, 5, 6, or 8 hours.
- **Motion Sensor Activation:** Enable or disable the motion sensor function.

6. Maintenance

To ensure the longevity and optimal performance of your solar light, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient charging.
- **Battery Performance:** The integrated lithium polymer battery is designed for durability. Ensure the light receives adequate sunlight for consistent charging.
- **Weather Resistance:** The light features an IP65 waterproof rating and is designed to withstand various outdoor conditions, including rust and lightning. It operates normally in temperatures ranging from 14°F to 140°F (-10°C to 60°C).



Image: Durability features including IP65 waterproof, high-heat proof, and snow resistance.

7. Troubleshooting

If you encounter issues with your solar light, refer to the following common problems and solutions:

- **Light does not turn on at night:**
  - Ensure the ON/OFF switch on the lamp body is in the 'ON' position.
  - Verify the solar panel is receiving direct sunlight for at least 5-6 hours daily. Relocate if necessary.
  - Check for any obstructions blocking the solar panel.
  - The battery might be depleted. Allow several days of full sunlight charging.
- **Light is dim or does not stay on long:**
  - The solar panel may not be getting enough sunlight. Clean the panel and ensure optimal placement.
  - Weather conditions (overcast days) can reduce charging efficiency.
  - Ensure the remote control settings are not set to a low brightness percentage or a short timer.
- **Motion sensor is not working:**
  - Confirm the motion sensor mode is activated via the remote control.
  - Ensure there are no obstructions directly in front of the sensor.
  - Test the sensor by moving within its detection range.

8. Specifications

Feature	Detail
Brand	Cenfmltd
Model Number	BYE-200W
Light Source Type	LED
Color Temperature	6500 Kelvin (Cool White)
Brightness	1500 Lumens (Max Output)
Power Source	Solar Powered
Voltage	6 Volts
Control Method	Remote
Motion Sensor	Yes
Water Resistance Level	IP65 Waterproof
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	12.61"L x 7.21"W x 4.14"H
Item Weight	2.87 Pounds
Batteries Required	1 Lithium Polymer battery (included)
Charging Time	5-6 hours (full sunlight)
Lighting Duration	8-12 hours (on full charge)

9. Warranty and Support

Cenfmltd offers a **2-year after-sale service** for this product. If you have any questions, concerns, or require assistance, please do not hesitate to contact our customer service team.
Our customer service team is available 7 days a week, 24 hours a day, to provide support and solutions.
For warranty claims or technical support, please refer to the contact information provided on your purchase receipt or the official Cenfmltd website.



Image: Examples of suitable installation locations for the solar lights.

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