

**CLY FLB030**

# **CLY 30W LED Motion Sensor Security Floodlight User Manual**

Model: FLB030

## **1. INTRODUCTION**

Thank you for choosing the CLY 30W LED Motion Sensor Security Floodlight. This manual provides essential information for the safe installation, operation, and maintenance of your new security light. Please read these instructions thoroughly before installation and retain them for future reference.



Image 1.1: The CLY 30W LED Motion Sensor Security Floodlight, showing the main light unit, motion sensor, power cord with plug, and mounting screws.

## 2. SAFETY INSTRUCTIONS

- Always disconnect power before installing or servicing the light fixture.
- Ensure the power source voltage matches the light's requirements (120 Volts).
- Installation should be performed by a qualified electrician if you are unsure about electrical wiring.
- Do not look directly into the LED light source when it is illuminated, as this may cause eye damage.
- Keep children away from the installation area.
- Ensure the mounting surface is strong enough to support the fixture.
- Do not modify the product in any way, as this will void the warranty and may pose safety risks.

### 3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- CLY 30W LED Motion Sensor Security Floodlight (1 unit)
- User Manual (1 unit)
- Mounting Screws and Wall Plugs (quantity may vary)

### 4. PRODUCT FEATURES

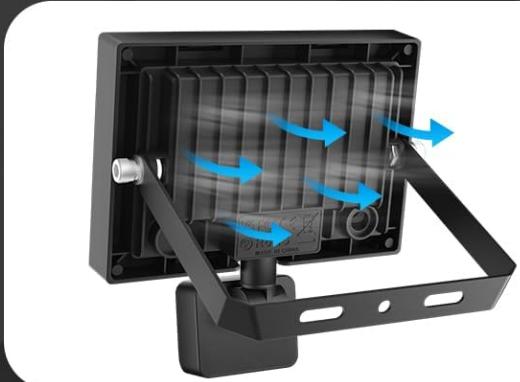
- **High Brightness:** 30W LED producing 2820 lumens with 6500K cool white light.
- **Motion Sensor:** Integrated PIR sensor with a 0-12 meter detection distance and 180° sensing range.
- **Fixed Operation:** Operates exclusively at night with a fixed 30-second lighting duration per detection. No adjustable settings for light time or day/night mode.
- **Durable Construction:** Made from plastic-clad aluminum for good heat dissipation and corrosion resistance.
- **Weatherproof:** IP66 rated for the light fixture and IP65 for the motion sensor, ensuring reliable outdoor performance in various weather conditions.
- **Easy Installation:** Features a 1.5-meter cord with a standard plug for direct connection to an outlet.
- **Adjustable Bracket:** 180° adjustable mounting bracket for flexible positioning.

# **Good Quality securitylights**



## **High Density Tempered Glass**

Nanomaterials are stronger, more transparent, have better light penetration, and are brighter



## **Excellent Heat Dissipation**

High quality aluminium and tempered glass, strong impact resistance, heat sink design dissipates heat efficiently



## **1.5M Cable with Plug**

Image 4.1: Illustration of the floodlight's quality features, including high-density tempered glass, excellent heat dissipation fins, and the 1.5-meter cable with plug.



Image 4.2: Close-up view of the super bright LED beads within the floodlight, highlighting the light source.

## 5. SETUP AND INSTALLATION

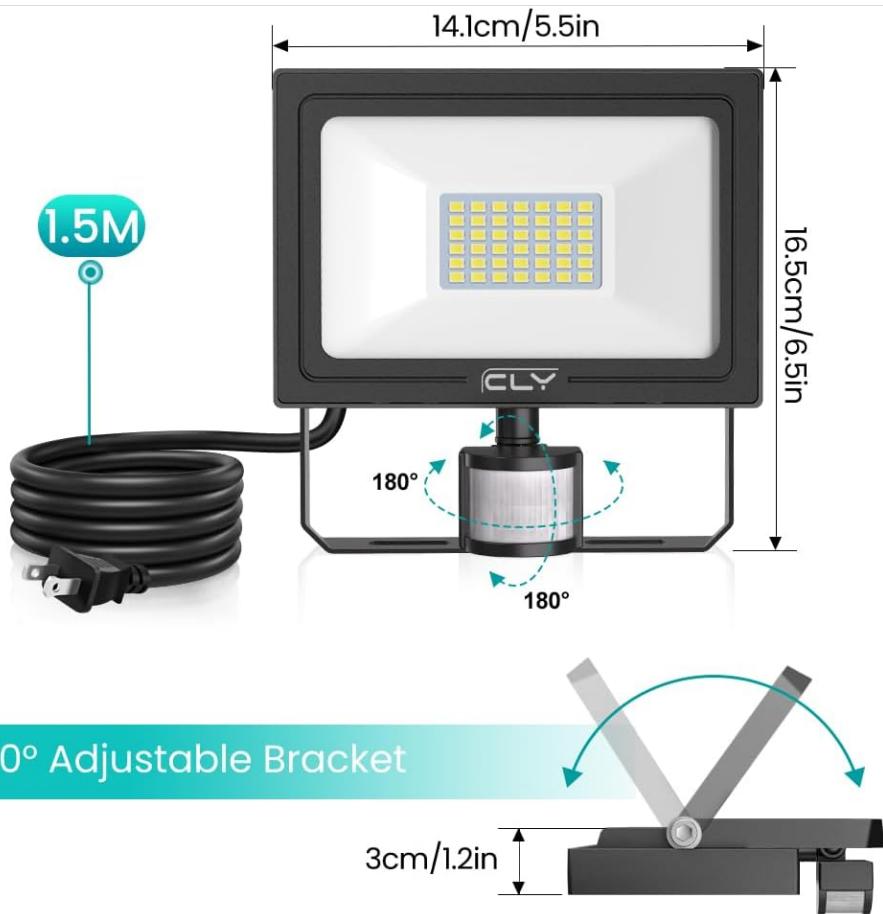
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### 5.1 Choosing an Installation Location

Select a location that provides the desired lighting coverage and allows the motion sensor to detect movement effectively. The recommended installation height is between 3 to 5 meters (approximately 10 to 16 feet) for optimal performance.

### 5.2 Mounting the Light

1. Mark the desired mounting points on the wall, ceiling, or ground using the bracket as a template.
2. Drill pilot holes at the marked locations. Insert wall plugs if mounting into masonry or drywall.
3. Secure the mounting bracket to the surface using the provided screws.
4. Attach the floodlight to the secured bracket.
5. Adjust the angle of the floodlight and the motion sensor as needed. The bracket allows for 180° adjustment, and the sensor head can rotate 360° horizontally and 180° vertically.



## Multiple Installation Methods



Image 5.1: Diagram showing the dimensions of the floodlight, the 180° adjustable bracket, and various installation methods including ceiling, wall, and ground mounting.

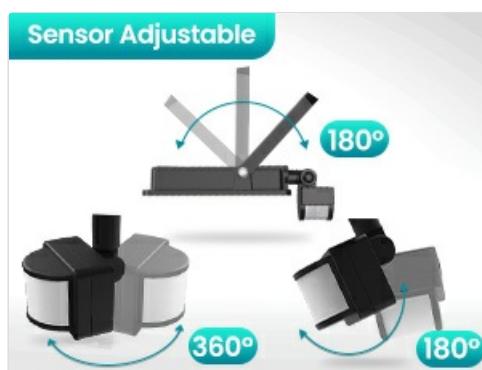


Image 5.2: Illustration demonstrating the adjustability of the motion sensor, showing 360° horizontal rotation and 180° vertical tilt.

### 5.3 Electrical Connection

The floodlight comes with a 1.5-meter power cord and a standard plug. Simply plug the cord into a compatible 120V outdoor power outlet. Ensure the outlet is weatherproof or protected from moisture.



Image 5.3: Close-up of the 1.5-meter power cable with a standard plug, indicating ease of connection.

## 6. OPERATING INSTRUCTIONS

The CLY Motion Sensor Security Floodlight is designed for straightforward operation with fixed settings:

- **Automatic Night Mode:** The light is equipped with a photocell sensor that detects ambient light levels. It will only activate when it is dark enough (at night). During the day, the motion sensor is inactive to conserve energy.
- **Motion Detection:** When motion is detected within the sensor's range (0-12 meters, 180° angle) during nighttime, the floodlight will illuminate.
- **Fixed Lighting Duration:** Once activated by motion, the light will stay on for a fixed duration of 30 seconds. This duration is not adjustable. After 30 seconds, if no further motion is detected, the light will turn off. If motion continues, the light cycle will restart.
- **No Adjustments:** Please note that there are no buttons or settings to adjust the lighting time, sensitivity, or day/night mode. The unit operates with these fixed parameters.

# Fixed Lighting Mode

**NOT Adjustable for Light Time or Night/Day Setting**

**TIME** 30s Lighting Time(Fixed)



**MODE** Only Work at Night(Fixed)



Image 6.1: Visual explanation of the fixed lighting mode, showing the light activating for 30 seconds upon motion detection at night and remaining off during the day.

# 30S Lighting Time 30W Super Bright Security Light

Bring Brightness and Safety to your Family

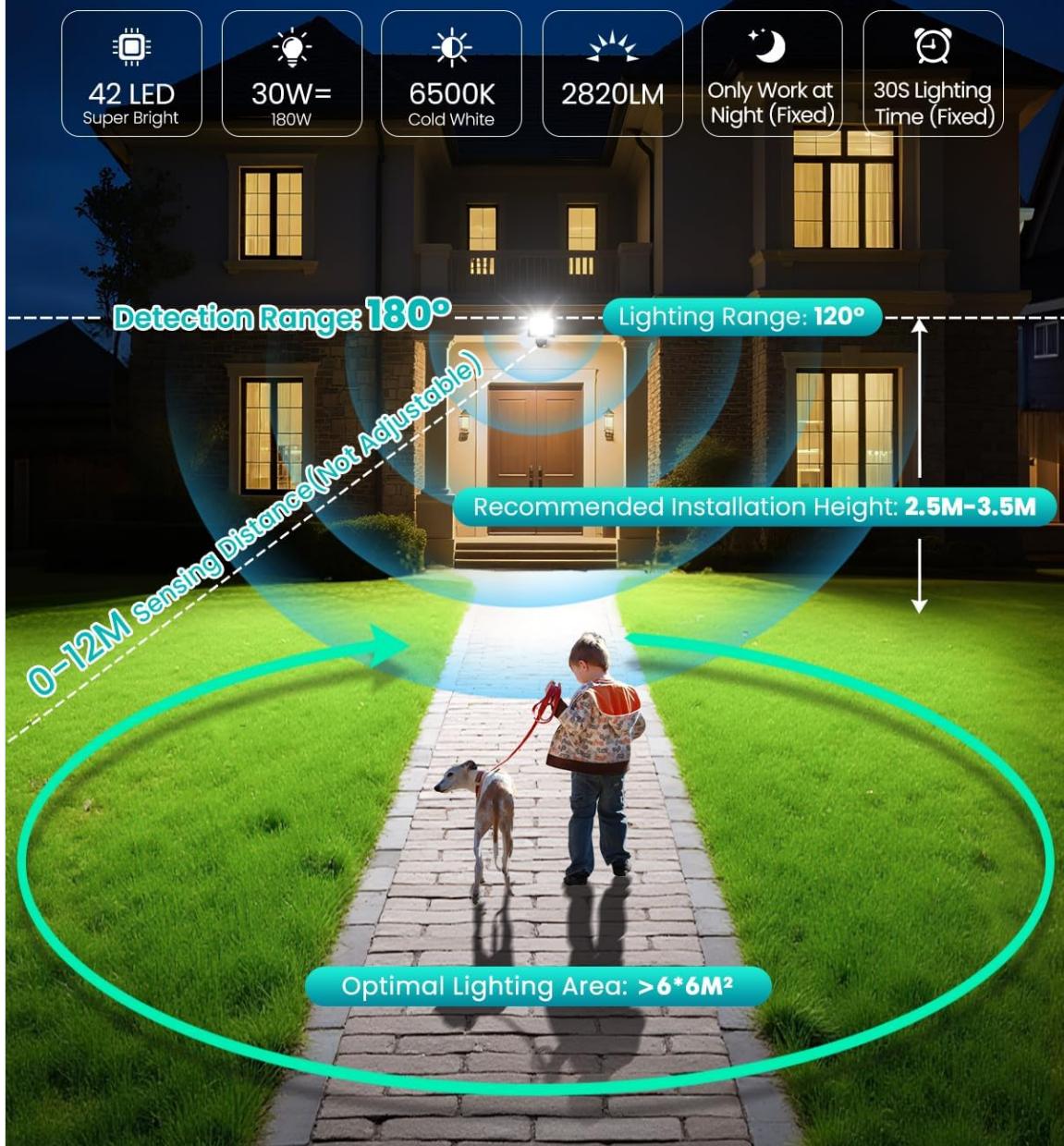


Image 6.2: Diagram illustrating the 180° detection range and 0-12 meter sensing distance of the motion sensor, along with the 120° lighting range and recommended installation height.

## 7. MAINTENANCE

The CLY Security Floodlight is designed for minimal maintenance. Follow these guidelines to ensure longevity:

- Cleaning:** Periodically clean the light fixture and motion sensor lens with a soft, damp cloth to remove dirt, dust, or debris that may obstruct the sensor or reduce light output. Do not use abrasive cleaners or solvents.
- Inspection:** Regularly inspect the power cord for any signs of damage. Ensure the mounting screws remain tight.

- **Weather Resistance:** The IP66 (light) and IP65 (sensor) ratings ensure protection against dust and water jets. However, avoid submerging the unit in water.

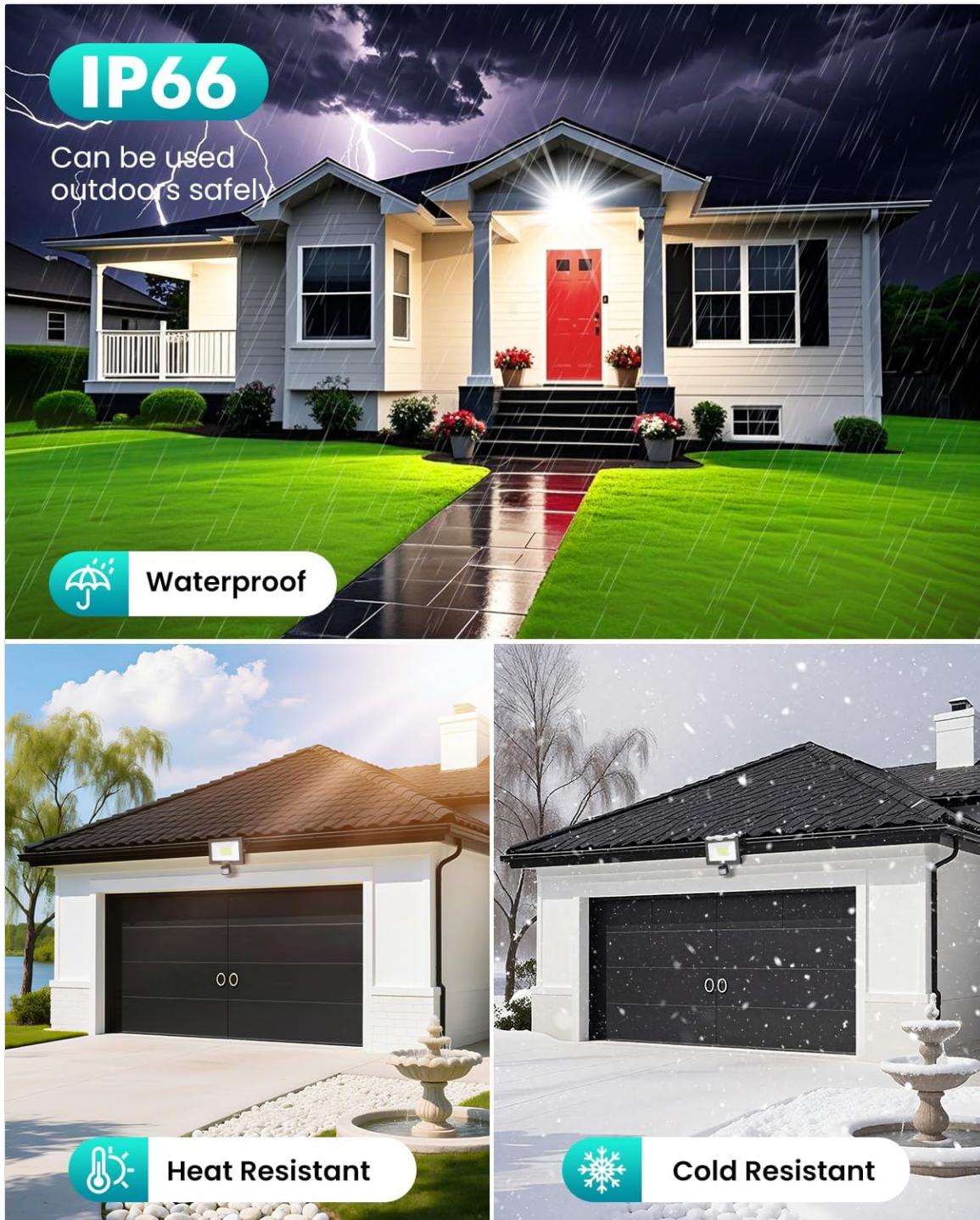


Image 7.1: Visual representation of the floodlight's IP66 waterproof rating and resistance to various weather conditions, including rain, heat, and cold.

## 8. TROUBLESHOOTING

If you encounter issues with your CLY Security Floodlight, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Light does not turn on at night.	No power; Sensor obstructed; Ambient light too high.	Check power connection. Ensure sensor lens is clean and unobstructed. Relocate if ambient light (e.g., street light) is interfering.
Light stays on continuously.	Constant motion detected; Sensor malfunction.	Ensure no continuous motion in the detection zone (e.g., swaying branches, pets). If problem persists, contact support.
Light turns on during the day.	Photocell sensor obstructed or faulty.	Clean the sensor lens. Ensure no objects are blocking light from reaching the photocell.
Motion detection range is poor.	Sensor angle incorrect; Obstructions; Temperature extremes.	Adjust sensor angle. Remove obstructions. Performance may vary slightly in extreme hot or cold conditions.

## 9. SPECIFICATIONS

Feature	Specification
Model Number	FLB030
Power Consumption	30W
Luminous Flux	2820 LM
Color Temperature	6500K (Cool White)
Voltage	120 Volts
Motion Sensor Detection Distance	0-12 meters
Motion Sensor Detection Angle	180°
Lighting Duration (Fixed)	30 seconds
Operating Mode	Night Mode Only (No Day/Night adjustment)
Waterproof Rating (Light)	IP66
Waterproof Rating (Sensor)	IP65
Cable Length	1.5 meters (with plug)
Material	Plastic-clad Aluminum
Product Dimensions	14.48 x 5.84 x 17.02 cm

Feature	Specification
Weight	500 g

## 10. WARRANTY INFORMATION

Specific warranty details for this product may vary. Please refer to the warranty information provided at the point of purchase or contact the seller/manufacturer directly for current warranty terms and conditions.

## 11. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your product, please contact your retailer or the CLY manufacturer's customer support channels. Refer to your purchase documentation for contact information.

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## Related Documents

	<p><a href="#">CLY LED Floodlights and Spotlights - Product Overview and Specifications</a></p> <p>Comprehensive overview of CLY LED floodlights and spotlights, including technical specifications, features, and installation guidance. Featuring durable, high-lumen lighting solutions for outdoor and industrial applications.</p>
	<p><a href="#">CLY High Voltage Remote Control Induction Floodlight Manual</a></p> <p>This document provides instructions and specifications for the CLY High Voltage Remote Control Induction Floodlight, model B04-23RFLB-C-A. It covers installation, operation, and technical details for various models.</p>