

## CLY FLB035

# CLY Outdoor LED Floodlight with Motion Detector

Model: FLB035

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your CLY Outdoor LED Floodlight with Motion Detector (Model FLB035). Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INSTRUCTIONS

Always adhere to the following safety precautions to prevent injury or damage:

- Ensure the power supply is disconnected before installation, maintenance, or cleaning.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not look directly into the LED light source when it is illuminated, as this may cause eye strain or damage.
- Do not modify the product in any way. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the product away from flammable materials.
- Ensure the mounting surface is stable and can support the weight of the floodlight.
- This product is rated IP66 for outdoor use, meaning it is protected against dust ingress and powerful water jets. However, avoid submerging the unit.

## PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x CLY Outdoor LED Floodlight with Motion Detector
- 1 x Remote Control (2 AAA batteries included)
- Mounting Screws and Wall Plugs
- User Manual (this document)



Image: The CLY Outdoor LED Floodlight, showing the main light unit, integrated motion sensor, remote control, and included mounting screws and wall plugs. The power cable is also visible.

## PRODUCT OVERVIEW AND FEATURES

The CLY Outdoor LED Floodlight is designed for efficient and intelligent outdoor illumination. Key features include:

- **High Brightness:** 35W power with 42 high-quality LEDs, delivering up to 3290 lumens of 6500K cool white light.
- **Energy Efficient:** Replaces traditional 350W incandescent lamps, saving over 90% on electricity costs.
- **Wide Coverage:** 120° beam angle for illumination and 180° detection angle for the motion sensor.
- **Smart Modes:** Features 4 intelligent lighting modes: Constant Light, PIR Motion Sensor (Day/Night), and Timer (1H/2H/3H).
- **Adjustable Settings:** Customizable detection distance (6M/9M/12M) and lighting duration (45S/90S/120S/5MIN/10MIN).
- **10-Level Brightness Adjustment:** Fine-tune the light intensity in all modes.
- **360° Remote Control:** Conveniently adjust all settings from a distance, eliminating the need to climb ladders.
- **Durable and Weatherproof:** IP66 rated, resistant to heat, frost, and extreme weather conditions. Constructed

from die-cast aluminum for excellent heat dissipation and corrosion resistance.

- **Long Lifespan:** Designed for a lifespan of up to 50,000 hours.
- **Easy Installation:** Features a 180° adjustable mounting bracket and a 1-meter power cable for flexible installation on walls, ceilings, or ground.

## Super Bright Sensor Light With 360° Remote Control

42 LED

3290 LUMEN

6500K Cool White

360° Remote Control

Motion Sensor

Sensor Angle: 180°

Beam Angle: 120°

Adjustable Sensor Lighting Time: 45S/90S/120S/5MIN/10MIN

Adjustable Sensing Distance: 6M(19.69FT)/9M(29.53FT)/12M(39.37FT)

Ideal mounting height: 3.5-5M/11.5-16.4FT

Optimum light range: 4-6M/13.1-19.7FT

### 10 Level Brightness Adjustable

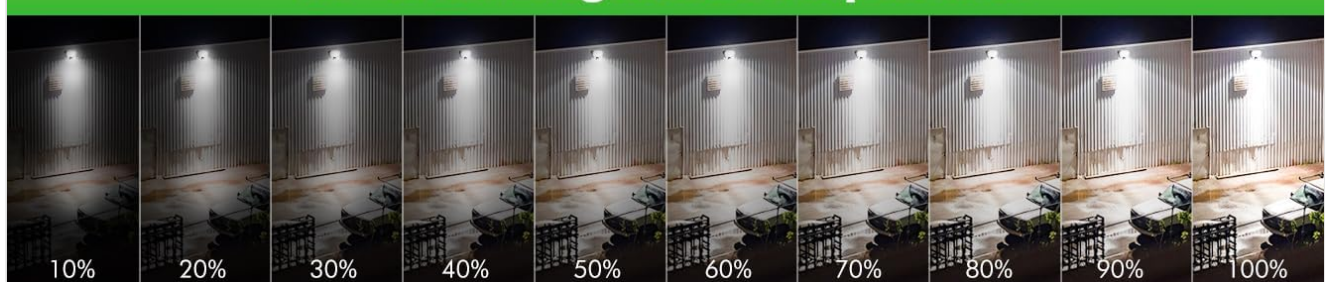


Image: An infographic illustrating the key features of the floodlight, including its brightness (3290 lumens), color temperature (6500K cool white), sensor angle (180°), beam angle (120°), adjustable sensing distance, and lighting duration. It also highlights the 10-level brightness adjustment.



# Excellent Heat Dissipation



Image: A visual representation of the floodlight's robust design, emphasizing its excellent heat dissipation, impact-resistant construction, high-sensitivity and rotatable motion sensor, and the convenience of remote control settings.

## INSTALLATION GUIDE

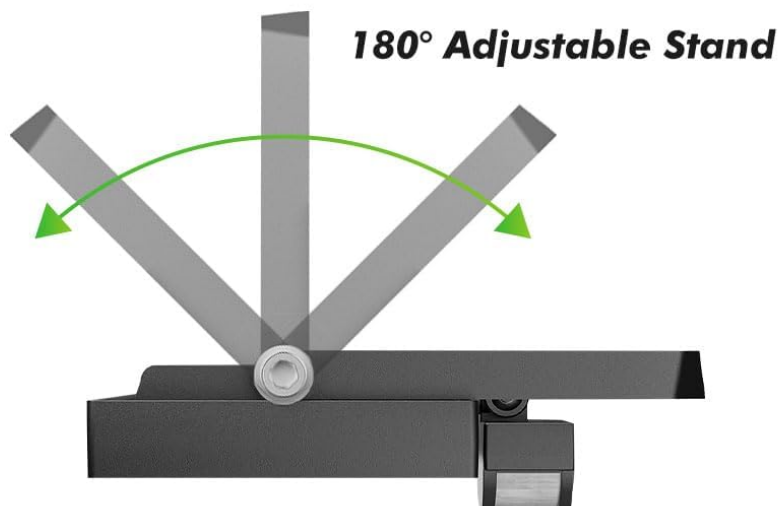
Follow these steps for safe and effective installation:

1. **Choose Location:** Select a suitable outdoor location for the floodlight, such as a wall, ceiling, or ground, ensuring it covers the desired area. The ideal mounting height is between 3.5 to 5 meters (11.5 to 16.4 feet).
2. **Disconnect Power:** Before starting any electrical work, ensure the main power supply to the installation area is turned off at the circuit breaker.
3. **Mount the Bracket:** Use the included mounting screws and wall plugs to securely attach the adjustable bracket to the chosen surface. The bracket allows for 180° adjustment.

4. **Wire Connection:** Connect the floodlight's power cable to your electrical system. The cable has three wires:
- **Brown (Live Wire):** Connect to the Live (L) terminal.
  - **Blue (Neutral Wire):** Connect to the Neutral (N) terminal.
  - **Yellow/Green (Earth Wire):** Connect to the Earth (E) terminal.

Ensure all connections are secure and properly insulated.

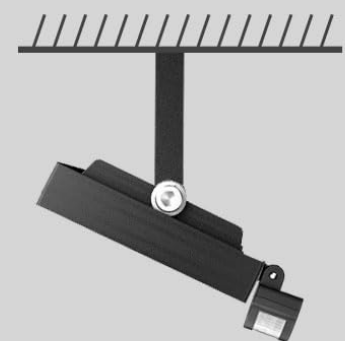
5. **Attach Floodlight:** Secure the floodlight unit to the mounted bracket.
6. **Adjust Angle:** Adjust the floodlight and the motion sensor to the desired angles. The sensor can be rotated 180° for optimal detection coverage.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power to the circuit.



On The Wall



On The Ground



On The Ceiling

Image: A detailed diagram illustrating the physical dimensions of the floodlight, the color-coded wiring connections (Neutral, Live,



Earth), and the versatility of the 180° adjustable stand for mounting on walls, ground, or ceilings.

## OPERATING INSTRUCTIONS

Your CLY floodlight comes with a remote control for easy operation and mode selection. The remote control requires 2 AAA batteries (included).

### Remote Control Functions:



**360°**

**12M / 39FT**  
Maximum Remote Control Distance

# RF Remote Control

 24H Sensing Mode	 Night Sensing Mode	 Constant Light Mode	 Timing
 Adjustable Sensor Lighting Time	 Adjustable Sensing Distance	 10 Level Brightness Adjustable	 Memory Function



Image: The remote control for the floodlight, displaying its various buttons for mode selection (24H sensing, night sensing, constant light, timing), adjustment of sensor lighting time and distance, brightness levels, and memory function.

- **ON/OFF:** Power on or off the floodlight.
- **Brightness Adjustment:** Buttons to increase or decrease brightness (10 levels available).

- **Sensor Lighting Time:** Select duration for light to stay on after motion detection: 45S, 90S, 120S, 5MIN, 10MIN.
- **Sensing Distance:** Adjust motion detection range: 6M (19.69FT), 9M (29.53FT), 12M (39.37FT).
- **24H Sensing Mode (Day and Night):** Light activates upon motion detection regardless of ambient light.
- **Night Sensing Mode:** Light activates upon motion detection only when it's dark.
- **Constant Light Mode (Always ON):** Light stays on continuously until manually turned off.
- **Timing Mode:** Set the light to stay on for a fixed duration: 1H, 2H, or 3H.
- **Memory Function:** The floodlight remembers the last selected mode and settings when powered off and on.

## Understanding the 4 Working Modes:

# 4 Working Modes

## Adjustable Sensor Lighting Time

45S/90S/120S/5MIN/10MIN



## Day and Night

Lights up when motion is detected at day and night



## Adjustable Sensing Distance

6M(19.69FT)/9M(29.53FT)/12M(39.37FT)



## Night

Lights up when motion is detected at night



## Brightness Adjustable



## Always ON

Constant Light Mode: Lights up when press "ON" until press "OFF"



## Timing

Lights up for 1H/2H/3H at day or night



Image: An infographic detailing the four operational modes of the floodlight: Day and Night motion sensing, Night-only motion sensing, Always On (constant light), and Timer mode. It also illustrates the adjustable sensing distance and lighting duration settings.



1. **Day and Night Sensing Mode:** The light will turn on when motion is detected, regardless of whether it is day or night. You can adjust the lighting duration (45S/90S/120S/5MIN/10MIN) and detection distance (6M/9M/12M).



Image: A visual explanation of the Day and Night Detection Mode, showing the light activating upon motion detection during both daytime and nighttime scenarios, with adjustable lighting duration and detection angle.

2. **Night Sensing Mode:** The light will only turn on when motion is detected during nighttime or in dark conditions. Adjust lighting duration and detection distance as needed.
3. **Constant Light Mode:** The light will remain continuously on until you manually turn it off using the remote control. This mode is ideal for continuous illumination.



Image: A diagram illustrating the Constant Light Mode, where the floodlight provides continuous illumination until it is manually switched off, suitable for prolonged lighting needs.

4. **Timing Mode:** The light will stay on for a preset duration of 1 hour, 2 hours, or 3 hours, after which it will automatically turn off. This can be used day or night.





Image: A visual guide to the Timer Mode, demonstrating how the floodlight can be set to operate for specific durations of 1, 2, or 3 hours, providing timed illumination for various activities.



## OUR

Wireless Remote Control



Convenient Safe



Easy to adjust the mode

## OTHER

Button Setting



Inconvenient and Unsafe



Climb up a ladder to adjust

Image: A comparison highlighting the convenience and safety of the wireless remote control for adjusting settings from a distance, contrasting it with older models that require manual button adjustments, often necessitating climbing a ladder.

## MAINTENANCE

To ensure the longevity and optimal performance of your CLY LED Floodlight, follow these maintenance guidelines:

- **Cleaning:** Periodically clean the surface of the floodlight and the motion sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **Inspection:** Regularly inspect the power cable and connections for any signs of damage or wear. If damage is found, disconnect power immediately and have it repaired by a qualified technician.
- **Sensor Obstruction:** Ensure the motion sensor is free from obstructions like dirt, leaves, or spiderwebs, which can affect its detection capability.



- **Battery Replacement:** Replace the remote control batteries (2 AAA) when the remote's range or responsiveness decreases.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power supply; loose wiring; faulty sensor; remote control battery low.	Check power connection and circuit breaker. Ensure wiring is secure. Test remote control batteries. If sensor is suspected, try Constant Light Mode.
Light stays on continuously in sensor mode.	Sensor constantly detecting motion; sensor sensitivity too high; light sensor malfunction.	Check for continuous motion in the detection area (e.g., tree branches, pets). Reduce sensor sensitivity. Ensure the light sensor is not obstructed.
Light turns on during the day in sensor mode.	Incorrect mode selected (24H Sensing Mode); light sensor malfunction.	Ensure "Night Sensing Mode" is selected if you only want activation at night.
Remote control not working.	Low or dead batteries; remote out of range; obstruction between remote and floodlight.	Replace AAA batteries. Ensure you are within the 12M (39FT) range. Remove any obstructions.
Detection range is too short/long.	Incorrect sensing distance setting; sensor obstructed.	Adjust the sensing distance using the remote control. Clear any obstructions from the sensor's view.

If the problem persists after trying these solutions, please contact customer support.

## SPECIFICATIONS

Feature	Detail
Brand	CLY
Model Number	FLB035
Power	35 Watts
Luminous Flux	3290 lm
Color Temperature	6500 Kelvin (Cool White)
Incandescent Equivalent	350 Watts
Voltage	230 Volts
IP Rating	IP66 (Waterproof)
Material	Aluminum
Lifespan	50,000 Hours

Feature	Detail
Beam Angle	120°
Sensor Detection Angle	180°
Remote Control Range	Up to 12M (39FT)
Cable Length	1 Meter
Dimensions (L x W x H)	160 x 175 x 35 mm (6.3 x 6.9 x 1.4 inches)
Weight	630 g
Included Components	Floodlight, Remote Control, Mounting Hardware
Batteries	2 AAA (included)

## WARRANTY AND SUPPORT

CLY provides a **2-year replacement service** for this product. If you encounter any issues or require assistance, please contact us through Amazon or via the service email provided in the original product packaging. Our support team will respond within 24 hours.

For further information or to explore other CLY products, please visit the official CLY brand store on Amazon.

Visit CLY Brand  
Store