Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

COTLEDL FL-02-50

COTLEDL 50W LED Floodlight with Motion Sensor and Remote Control User Manual

Model: FL-02-50

1. Product Overview

The COTLEDL 50W LED Floodlight is an outdoor lighting solution featuring a motion sensor and remote control. It offers adjustable brightness, multiple color temperatures, and robust weather resistance for various outdoor applications.

Key Features:

- **Power:** 50 Watts, 4500 Lumens.
- **Motion Sensor:** PIR sensor with 180° detection angle, adjustable sensitivity (up to 100m detection distance).
- **Remote Control:** For adjusting brightness, color temperature, and sensor settings.
- **Adjustable Color Temperature:** 3000K (Warm White), 4000K (Neutral White), 6500K (Cool White).
- **Dimmable:** Brightness adjustable from 10% to 100%.
- **Working Modes:** Constant light mode, 24-hour PIR sensor mode, Night-only PIR sensor mode.
- **Durability:** IP66 waterproof rating, made from die-cast aluminum and tempered glass, resistant to heat and frost.
- **Easy Installation:** 180° adjustable bracket, 1.5m power cable.



Image 1: The COTLEDL 50W LED Floodlight, showcasing its main components including the motion sensor and remote control.

2. Safety Instructions

Please read these safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- Ensure the power supply is disconnected before installation or maintenance.
- Installation should be performed by a qualified electrician if you are unsure.
- Do not modify the product in any way.
- Ensure the mounting surface is stable and can support the weight of the floodlight.
- Keep the floodlight away from flammable materials.
- Do not look directly into the LED light when it is on, as it may cause eye strain.
- Dispose of the product and its components according to local regulations.

3. Package Contents

Verify that all components are present and undamaged:

- COTLEDL 50W LED Floodlight with integrated motion sensor
- Remote Control (with 2 Lithium-polymer batteries included)
- Mounting Screws and Anchors
- User Manual (this document)

4. Installation

The floodlight is designed for easy installation on various surfaces. Ensure the power is off before proceeding.

4.1 Mounting Options

The adjustable bracket allows for flexible mounting:

- **Wall Mounting:** Secure the bracket to a wall using the provided screws.
- **Ground Mounting:** Attach the bracket to a suitable ground stake or surface.
- **Ceiling Mounting:** Fix the bracket to an overhead surface.

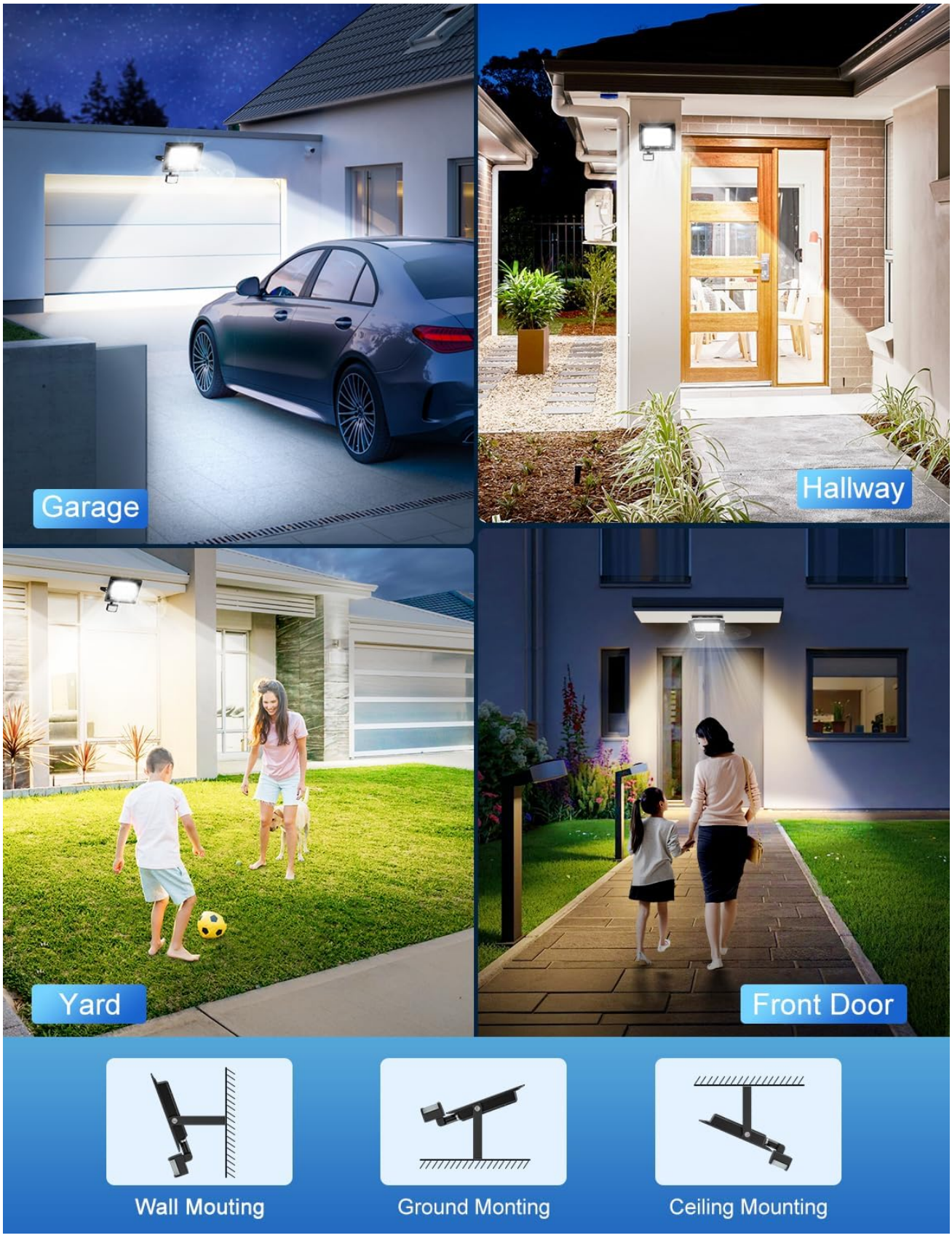


Image 2: Various installation methods including wall, ground, and ceiling mounting.

4.2 Wiring

1. Ensure the main power supply is switched off.
2. Connect the floodlight's 1.5m power cable to your electrical system. Follow standard wiring color codes (Live, Neutral, Earth).
3. Secure all connections properly to prevent water ingress, especially for outdoor installations.

4.3 Adjusting the Sensor

The motion sensor has a 240° horizontal and 180° vertical adjustable angle. Position it to cover the desired detection area.



Image 3: Details of the rotatable sensor, hardened glass, and sturdy bracket for adjustment.

5. Operating Instructions

The floodlight can be operated using the included remote control to select different modes and adjust settings.

5.1 Remote Control Functions

The remote control allows for comprehensive adjustment of the floodlight's settings:

- **ON/OFF:** Power the light on or off.
- **PIR:** Activates the motion sensor mode.
- **DAY/NIGHT:** Selects between 24-hour sensor mode (DAY) or night-only sensor mode (NIGHT).
- **Brightness Adjustment:** Buttons for 10%, 50%, 100% brightness, or continuous adjustment.
- **Color Temperature:** Buttons for 3000K (Warm), 4000K (Neutral), 6500K (Cool).
- **Timer (PIR Mode):** Set the illumination duration after motion detection (10S, 1min, 5min).

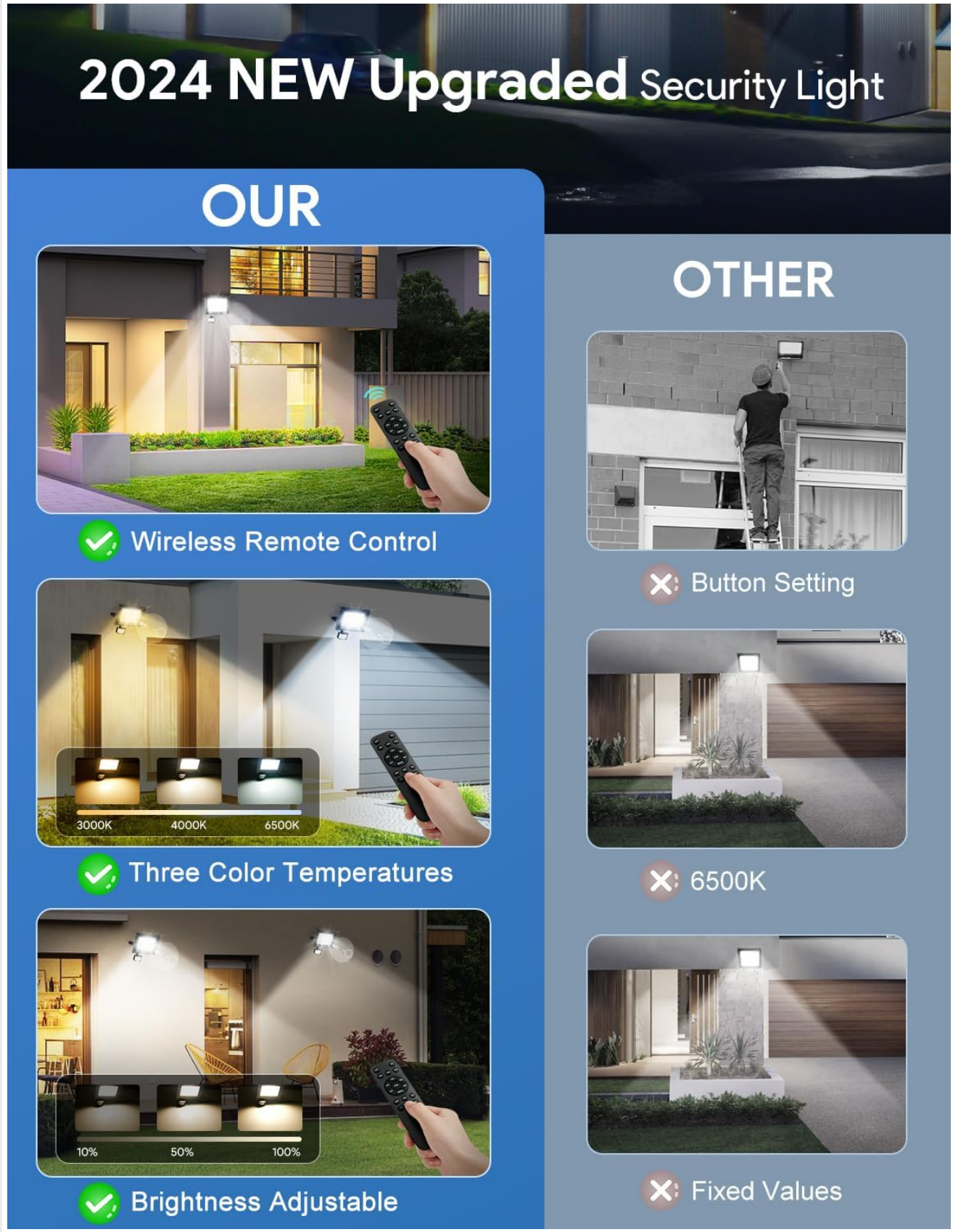


Image 4: Illustrates the remote control and its functions for adjusting color temperature and brightness.

5.2 Lighting Modes

The floodlight offers three distinct operating modes:

1. **Constant Light Mode:** Press and hold the "ON" button on the remote. The light will stay on continuously until manually turned off.
2. **24-Hour PIR Sensor Mode (DAY):** Press "PIR" then "DAY". The light will activate upon motion detection regardless of ambient light conditions.

3. **Night-Only PIR Sensor Mode (NIGHT):** Press "PIR" then "NIGHT". The light will activate upon motion detection only when it is dark.



Image 5: Visual representation of the three available lighting modes: Day sensor, Night sensor, and Always On.

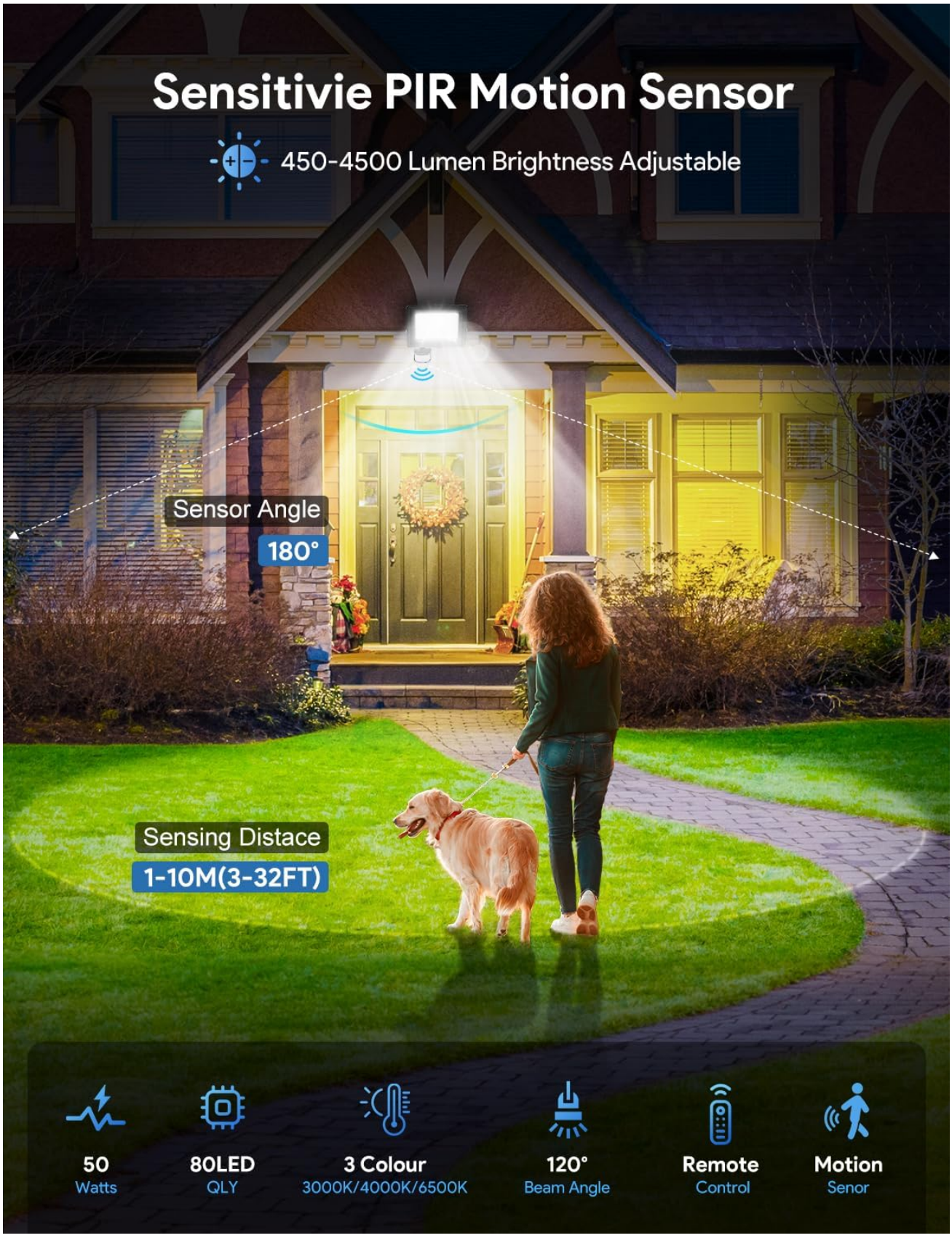


Image 6: Illustrates the PIR motion sensor's detection angle and sensing distance.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your floodlight.

- **Cleaning:** Periodically clean the floodlight's surface and sensor lens with a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Inspection:** Check the power cable and connections for any signs of wear or damage. Ensure the mounting bracket is secure.
- **Sensor Area:** Keep the area around the motion sensor clear of obstructions (e.g., overgrown plants) that might interfere with detection.

7. Troubleshooting

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

- **Light does not turn on:**
  - Check if the power supply is connected and switched on.
  - Ensure the remote control batteries are functional.
  - Verify the selected operating mode (e.g., if in Night-only PIR mode, ensure it's dark enough).
- **Motion sensor not detecting:**
  - Check the sensor's angle and ensure it covers the desired area.
  - Ensure there are no obstructions blocking the sensor's view.
  - Adjust the PIR sensitivity setting using the remote control.
  - Verify the sensor mode (DAY/NIGHT) is correctly selected.
- **Light stays on continuously in sensor mode:**
  - Check if the "Constant Light Mode" was accidentally activated (long press ON).
  - Ensure the sensor is not being continuously triggered by moving objects (e.g., tree branches, pets).
- **Remote control not working:**
  - Replace the remote control batteries.
  - Ensure there is no obstruction between the remote and the floodlight's sensor.

8. Specifications

Brand	COTLEDL
Model Number	FL-02-50
Power	50 Watts
Luminous Flux	4500 Lumens
Color Temperature	3000K (Warm White), 4000K (Neutral White), 6500K (Cool White)
Voltage	230 Volts (AC)
Material	Die-cast Aluminum, Tempered Glass
IP Rating	IP66 (Waterproof)
Motion Sensor Angle	240° Horizontal, 180° Vertical
Detection Distance	Up to 100 meters (adjustable sensitivity)

Cable Length	1.5 meters
Product Dimensions	21 x 16 x 5.02 cm
Item Weight	600 grams
Energy Efficiency Class	F

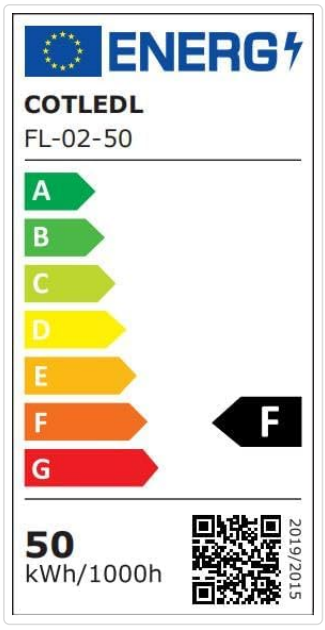


Image 7: Energy label for the COTLEDL FL-02-50 floodlight, indicating an F rating.

For more details, refer to the EPREL database (QR code link).

9. Warranty and Support

COTLEDL products are manufactured to high-quality standards. For warranty information or technical support, please refer to your purchase documentation or contact the seller directly. Keep your proof of purchase for any warranty claims.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

https://manuals.plus/asin/B0D868NXHP

More documents and user manuals: **https://manuals.plus/**