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> [iMaihom 100W Dusk to Dawn Outdoor LED Flood Light with Remote Control \(Model IM-90PC-3SH\) Instruction Manual](#)

iMaihom IM-90PC-3SH

iMaihom 100W Dusk to Dawn Outdoor LED Flood Light

Model: IM-90PC-3SH

Instruction Manual

1. INTRODUCTION

Thank you for choosing the iMaihom 100W Dusk to Dawn Outdoor LED Flood Light. This manual provides essential information for the safe installation, operation, and maintenance of your new flood light. Please read these instructions thoroughly before use and retain them for future reference.

2. SAFETY INFORMATION

WARNING: To reduce the risk of fire, electric shock, or personal injury, always follow these safety precautions:

- Ensure the power is OFF at the circuit breaker before installation or servicing.
- This product is intended for outdoor use. Ensure the power outlet used is rated for outdoor conditions and protected by a Ground Fault Circuit Interrupter (GFCI).
- Do not look directly into the LED light source when illuminated, as it can cause eye damage.
- Do not attempt to disassemble or modify the light fixture. There are no user-serviceable parts inside.
- Keep the power cord away from sharp edges, hot surfaces, and chemicals.
- Ensure the mounting surface is structurally sound to support the weight of the fixture.

3. PACKAGE CONTENTS

Verify that all components are present before installation:

- iMaihom 100W LED Flood Light Unit (with integrated power cord)
- Remote Control
- Mounting Hardware (screws, wall anchors, mounting bracket)
- User Manual

Note: The outdoor outlet cover is not included in the package.

4. PRODUCT FEATURES

- **Plug-in Design & Effortless Installation:** Features a 4.9ft power cord for direct plug-in to a standard outdoor outlet, eliminating complex wiring.
- **Remote Control:** Allows convenient operation for power, brightness, modes, and timer settings from a distance.
- **High Brightness:** Equipped with 98 high-quality LED chips, delivering up to 10000 lumens of 6500K daylight white illumination.
- **3 Adjustable Heads:** Three independently adjustable light heads provide a wide lighting area of up to 1150 sq. ft, covering various angles.
- **Dual Lighting Modes:** Includes a Dusk-to-Dawn Auto Mode and a Switch-Controlled (Always-On) Mode for versatile use.
- **Practical Timer Function:** Set preferred lighting durations (2/4/6/8/12 hours) with an option for dim light mode after the timer ends. Settings are saved.
- **IP65 Waterproof & Durable Build:** Constructed from full aluminum alloy with a fin-shaped design for efficient heat dissipation, ensuring longevity and resistance to harsh weather.

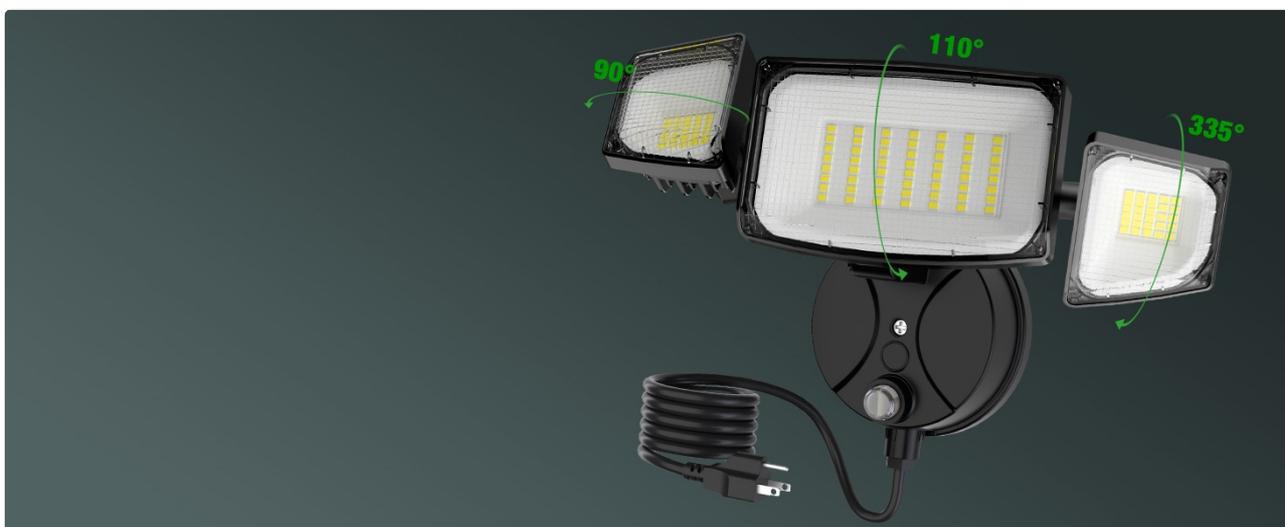


Figure 4.1: Flexibly Adjustable Heads for Wide Coverage

5. SPECIFICATIONS

Feature	Specification
Brand	iMaihom
Model Name	IM-90PC-3SH
Wattage	100 watts
Brightness	10000 Lumens
Color Temperature	6500 Kelvin (Daylight White)
Material	Aluminum
Water Resistance Level	IP65 Waterproof
Power Source	Corded Electric (4.9ft cord)
Control Method	Remote Control

Feature	Specification
Special Features	Anti-Rust, Dimmable, Energy Efficient, Timer, Photocell
Product Dimensions	9.4"L x 5.9"W x 4.4"H
Item Weight	2.03 pounds

6. SETUP & INSTALLATION

The iMaihom flood light is designed for easy plug-in installation. No complex wiring is required.

6.1 Mounting Options

The fixture can be mounted on a wall or under a soffit/eave.

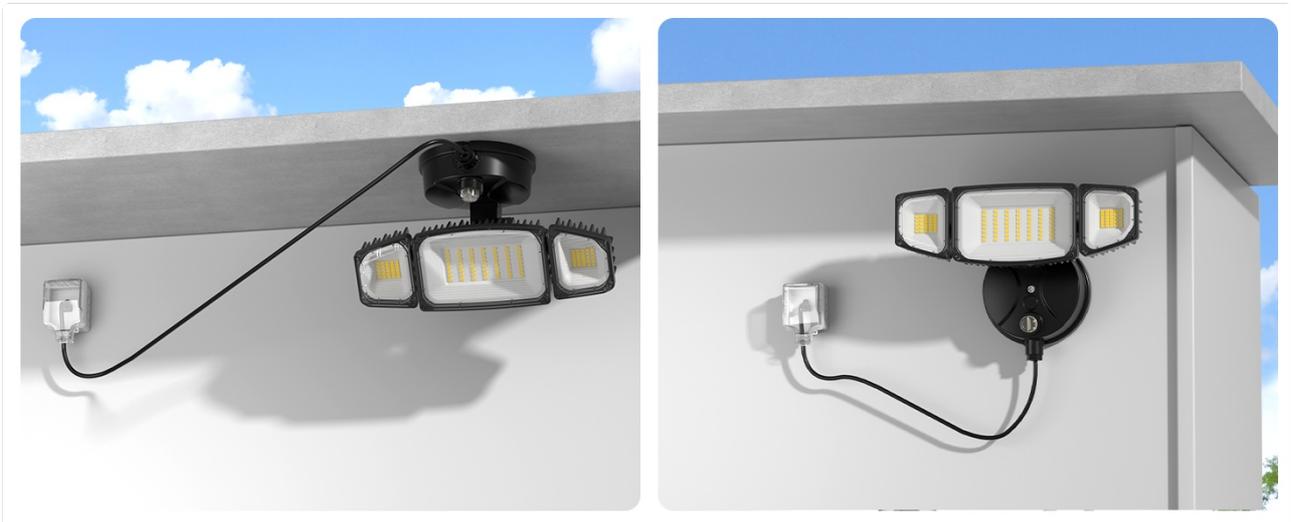


Figure 6.1: Multiple Ways to Install (Wall Mounted & Soffit Mounted)

6.2 Installation Steps

- 1. Choose Location:** Select a suitable outdoor location for mounting, ensuring it is within reach of a standard outdoor power outlet.
- 2. Mounting Bracket:** Use the provided mounting hardware to securely attach the mounting bracket to the desired surface (wall or soffit).
- 3. Attach Fixture:** Secure the flood light fixture to the mounted bracket.
- 4. Adjust Heads:** Loosen the adjustment screws on the light heads and position them to cover the desired lighting area. Tighten the screws to lock them in place.
- 5. Plug In:** Plug the 4.9ft power cord into a suitable outdoor, GFCI-protected power outlet. Ensure the outlet is covered and protected from weather elements.

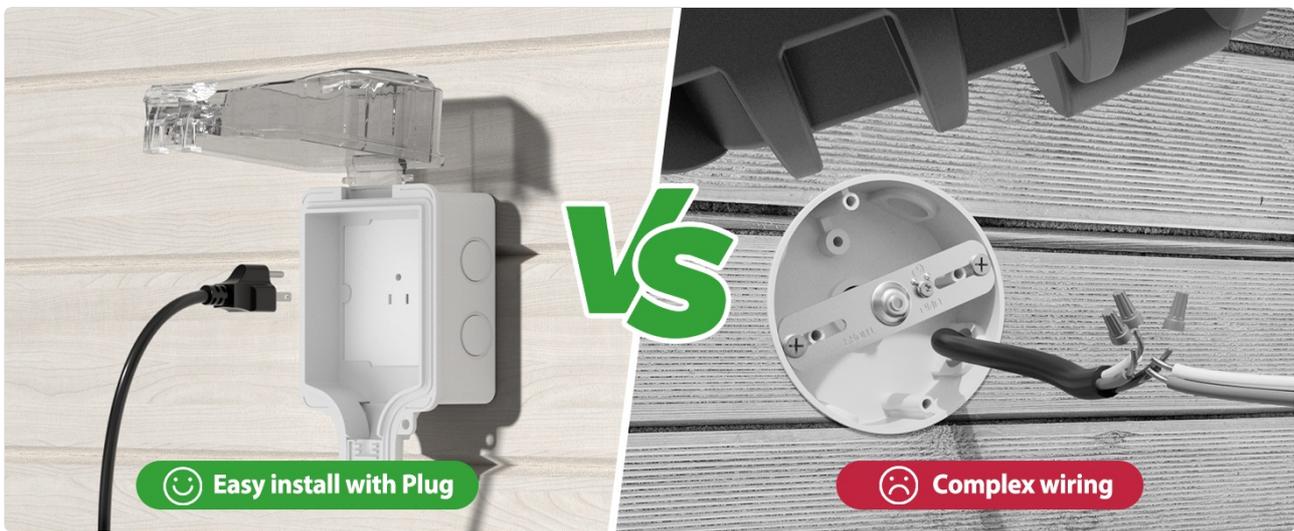


Figure 6.2: Simple Plug-in Installation

7. OPERATING INSTRUCTIONS

Your iMaihom flood light comes with a remote control for easy operation. Ensure the remote has working batteries.

7.1 Remote Control Functions



Figure 7.1: Remote Control Layout and Functions

- **D2D (Dusk to Dawn):** Activates the automatic mode. The light will turn on at night and off during the day.
- **2H/4H/6H/8H/12H (Timer):** Sets the duration for the light to stay on in Dusk-to-Dawn mode.
- **ESC:** Exits the timer function.
- **Slight Bright ON/OFF:** Toggles a dim (15% brightness) mode, often used after a timer ends.
- **Brightness +/-:** Adjusts the light intensity.
- **Always ON/OFF:** Manually turns the light on or off, overriding other modes.

7.2 Lighting Modes

2 Using Mode to Choose



Figure 7.2: Dual Lighting Modes

1. **Dusk-to-Dawn Auto Mode:** Press the "D2D" button on the remote. The built-in photocell sensor will automatically turn the light on when it gets dark and off when it becomes light.
2. **Switch-Controlled (Always-On) Mode:** Press the "Always ON" button to manually turn the light on, or "Always OFF" to turn it off. This mode bypasses the photocell sensor.

7.3 Brightness Adjustment

Use the "Brightness +" and "Brightness -" buttons on the remote to adjust the light intensity from 1% to 100% in any mode.

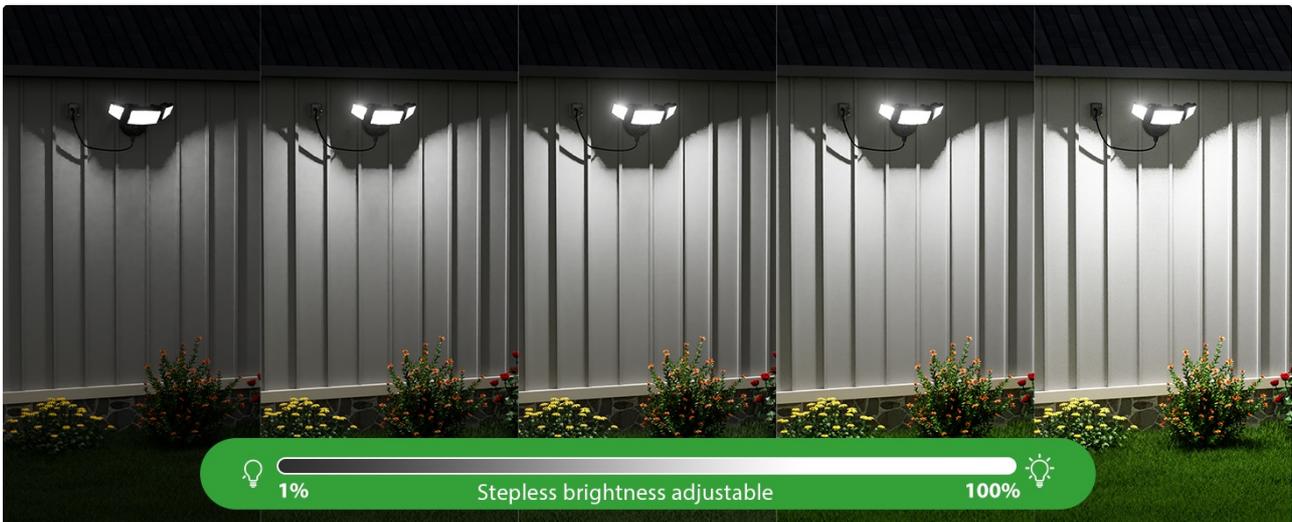


Figure 7.3: Stepless Brightness Adjustment

7.4 Timer Function

In Dusk-to-Dawn mode, you can set a timer for the light to operate for a specific duration after turning on at dusk.

1. Press the "D2D" button.
2. Select your desired duration (2H, 4H, 6H, 8H, or 12H). The light will remain on for this period and then turn off.
3. Optionally, press "Slight Bright ON" before the timer ends to switch to 15% brightness after the timer expires, instead of turning off completely.
4. To cancel the timer, press "ESC".

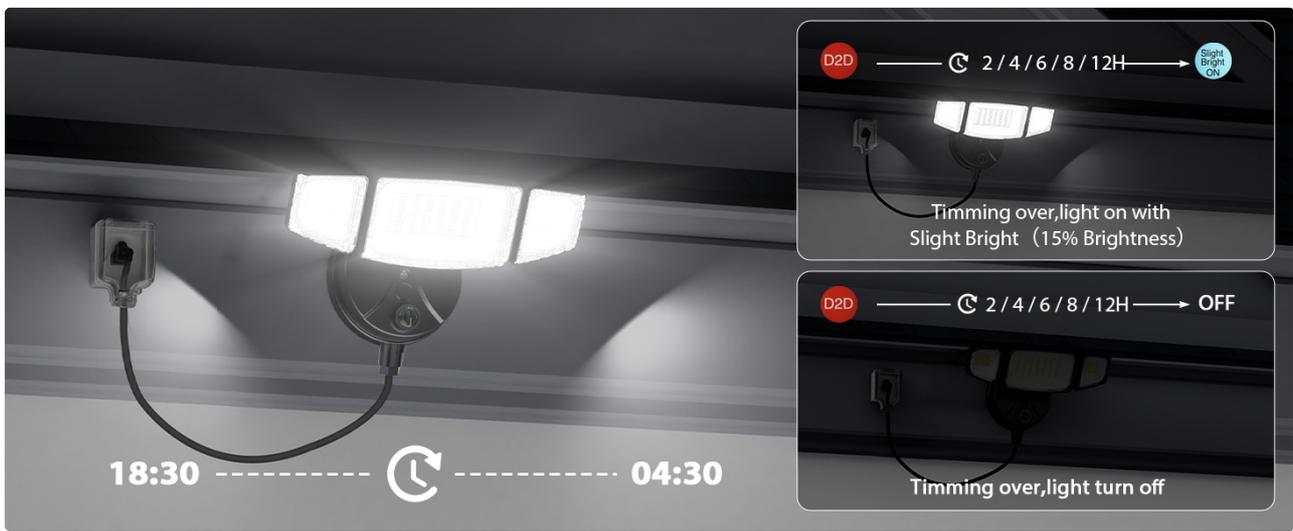


Figure 7.4: Timer Function with Dim Option

7.5 Official Product Video

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Video 7.1: Overview of iMaihom 100W Plug-in Dusk to Dawn Flood Light features, including brightness adjustment, auto on/off, lighting area, and installation. (Source: NOWES)

8. MAINTENANCE

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

- **Cleaning:** Periodically clean the light fixture and photocell sensor with a soft, damp cloth to remove dirt, dust, or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Regularly inspect the power cord for any signs of damage, fraying, or wear. If damage is found, discontinue use and replace the unit.
- **Adjustments:** Check the tightness of mounting screws and light head adjustment screws periodically to ensure the fixture remains securely in place.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power; Photocell obstructed; Incorrect mode.	Check power outlet and circuit breaker. Ensure photocell is clean and not blocked. Switch to "Always ON" mode to test.
Light stays on during the day.	Photocell obstructed; Light in "Always ON" mode.	Clean photocell. Ensure light is in "D2D" mode.
Remote control not working.	Dead batteries; Obstruction; Out of range.	Replace remote batteries. Ensure clear line of sight to the light's sensor. Move closer to the light.
Light flickers when off.	Minor residual current; Electrical interference.	This can sometimes occur with LED lights due to minor electrical conditions. If persistent or disruptive, consult an electrician.

Problem	Possible Cause	Solution
Light is not bright enough.	Brightness setting too low.	Use the "Brightness +" button on the remote to increase intensity.

10. WARRANTY & SUPPORT

The iMaihom 100W Dusk to Dawn Outdoor LED Flood Light comes with a Limited Warranty. For specific warranty terms and conditions, please refer to the product packaging or contact iMaihom customer support.

If you require further assistance or have questions not covered in this manual, please contact iMaihom customer support through the retailer's platform or the official iMaihom website.