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> [intelamp YL002-12B Solar Flood Lights User Manual](#)

intelamp YL002-12B

intelamp YL002-12B Solar Flood Lights User Manual

Brand: intelamp | Model: YL002-12B

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your intelamp YL002-12B Solar Flood Lights. Designed for outdoor security, these lights feature a high-efficiency solar panel, a 6000mAh battery, and dual motion sensors to provide reliable illumination for various outdoor spaces.

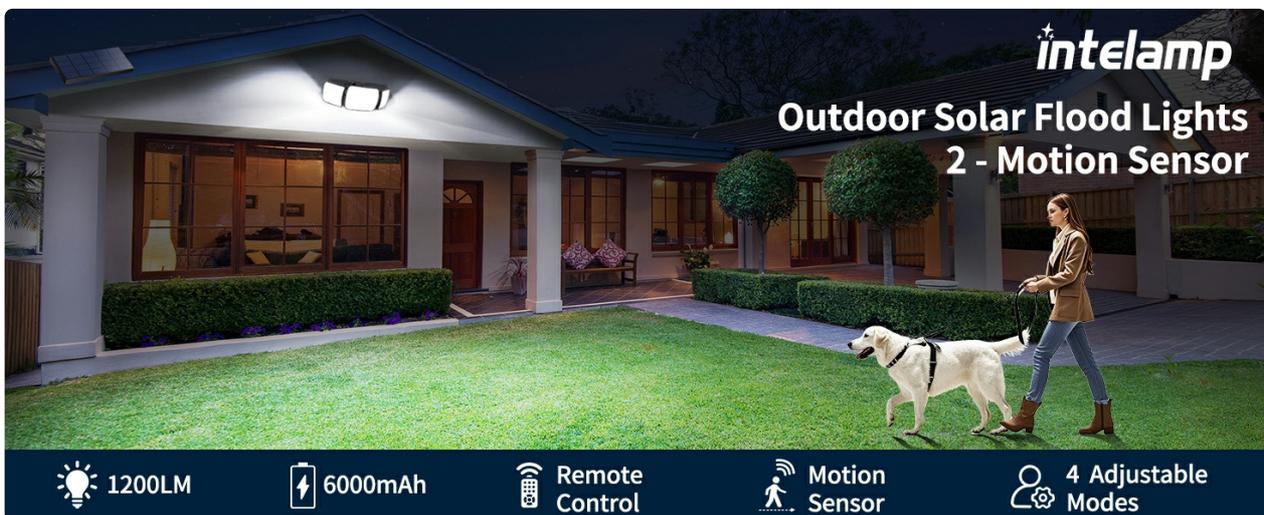


Image 1.1: Overview of intelamp Outdoor Solar Flood Lights with key features highlighted.

2. PRODUCT FEATURES

- **All-Night Lighting:** Powered by a high-efficiency solar panel and 6000mAh battery, providing up to 3 nights of lighting in sensor mode on a full charge.
- **Ultra-Bright Illumination:** Delivers 1200 lumens with 270° wide coverage from 3 adjustable light heads.
- **Dual Motion Sensors:** Detects movement from both front and sides with a 180° detection range for enhanced security.

- **4 Smart Modes:** Offers versatile lighting options including Dim + Sensor, OFF + Sensor, Dim + Lighting, and OFF + Lighting modes.
- **IP65 Waterproof:** Built to withstand heavy rain, snow, and harsh weather conditions.
- **Split Design:** Separate solar panel and light unit connected by a 9.8ft (3m) cable for flexible placement.
- **Remote Control:** Allows for convenient adjustment of modes and motion duration (20s, 30s, 40s).

Make it Different

bigger solar panel and larger battery
higher brightness and longer lighting time



Solar panel	40 inch ² = L9.4*W4.3	21 inch ² = L5.8*W3.6
Battery	6000 mAh	2000 mAh
Brightness	1200 lumen	600 lumen

Image 2.1: Comparison highlighting the larger solar panel, battery capacity, and brightness of intelamp lights.

3. PACKAGE CONTENTS

Ensure all items are present before installation:

- intelamp Solar Flood Light Unit (x2 for 2-pack)
- Solar Panel (x2 for 2-pack)
- Remote Control (x2 for 2-pack)
- Mounting Screws
- Tie Straps



Image 3.1: Contents of the 2-pack intelamp Solar Flood Lights.

4. SPECIFICATIONS

Feature	Specification
Brand	intelamp
Model Number	YL002-12B
Power Source	Solar Powered
Battery Capacity	6000mAh Lithium Ion (included)
Brightness	1200 Lumens
Wattage	8 watts
Light Color	White (6500 Kelvin)
Motion Sensor Range	180° detection

Lighting Angle	270° wide-angle
Water Resistance	IP65 Waterproof
Cable Length (Solar Panel to Light)	9.8 ft (3 meters)
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	4.7"L x 4.9"W x 11.6"H (Light unit)

Large solar panel for sufficient power



Two sensors Detection wider & longer

Image 4.1: Detailed dimensions of the solar panel and light unit, highlighting dual sensors.

5. SETUP AND INSTALLATION

The split design allows for flexible placement of the solar panel and light unit. Choose a location that receives ample direct sunlight for the solar panel and the desired lighting area for the floodlight.

5.1 Choosing a Location

- **Solar Panel:** Mount the solar panel in a location that receives at least 6-8 hours of direct sunlight daily for optimal charging. Avoid shaded areas.

- **Light Unit:** Position the light unit to cover the desired area. The 9.8ft cable provides flexibility to separate the light from the solar panel.



Image 5.1: Example installation of the solar flood light and panel on a residential building.

5.2 Mounting Instructions

The light can be installed using screws for wall mounting or tie straps for poles/trees.

1. **Prepare for Installation:** Rotate the solar panels from side to side and the central lamp vertically up and down to provide space for screw installation.
2. **Mark Drill Holes:** Hold the mounting bracket against the desired surface and mark the positions for the drill holes. For wall mounting, ensure hole spacing is 2.1 inches for the solar panel and 3.5 inches for the light unit.
3. **Drill Holes:** Drill holes at the marked positions. Insert wall anchors if mounting on masonry or drywall.
4. **Secure the Unit:** Attach the light unit and solar panel to the surface using the provided screws. For cable tie installation, insert the ties through the mounting holes and secure the light to a pole, trunk, or fence.
5. **Adjust Light Heads and Solar Panel:** The solar panel can be adjusted up and down by 60 degrees (optimum tilt is usually 20 degrees). The floodlight head can be adjusted horizontally up to 45 degrees.

The side lamp heads can be adjusted horizontally up to 90 degrees.

6. **Connect Cable:** Connect the cable from the solar panel to the light unit.



Image 5.2: Illustration of wall mounting and cable tie installation options.



Image 5.3: Adjustability of the solar panel and individual light heads.

6. OPERATING INSTRUCTIONS

Your intelamp solar flood light comes with a remote control to manage its various lighting modes and settings.

6.1 Remote Control Functions

- **ON/OFF:** Power the light on or off.
- **20s/30s/40s:** Set the duration for which the light stays bright after motion detection in sensor modes.
- **Dim Sensor Mode:** Activates bright light on motion, then dims to a lower brightness when inactive.
- **OFF Sensor Mode:** Activates bright light on motion, then turns off when inactive.
- **Dim Lighting Mode:** Maintains a medium brightness for a set time (2H/4H/6H), then dims until dawn.
- **OFF Lighting Mode:** Maintains a medium brightness for a set time (2H/4H/6H), then turns off until dawn.
- **Brightness Adjustment:** Adjust the overall brightness (e.g., 60%, 80%, 100%).

1200LM High bright 270° wide - angle lighting



Image 6.1: Remote control and light output at night.

6.2 Lighting Modes Explained

- **Dim + Sensor Mode:** The light maintains a low brightness (e.g., 20%) constantly. When motion is detected, it brightens to 100% for the set duration (20s/30s/40s), then returns to low brightness.

Image 6.2: Dim + Sensor Mode operation.

- **OFF + Sensor Mode:** The light remains off. When motion is detected, it brightens to 100% for the set duration (20s/30s/40s), then turns off completely.

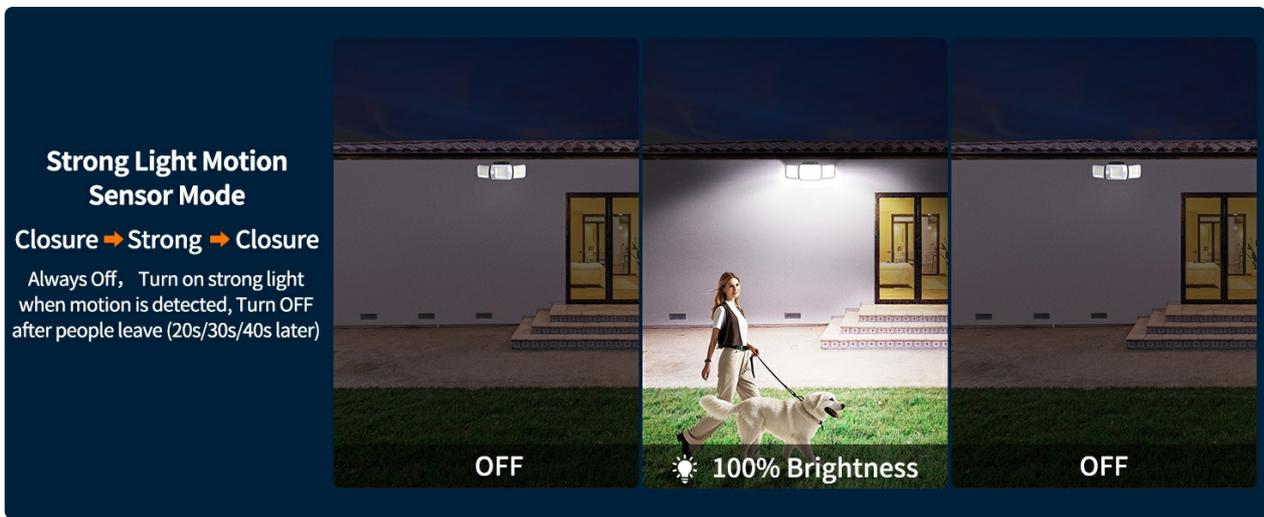


Image 6.3: OFF + Sensor Mode operation.

- **Dim + Lighting Mode (Motion Sensor Disabled):** The light turns on at night and maintains a medium brightness (e.g., 80%) for a set timing (2-12 hours), then dims to a lower brightness (e.g., 20%) until dawn.

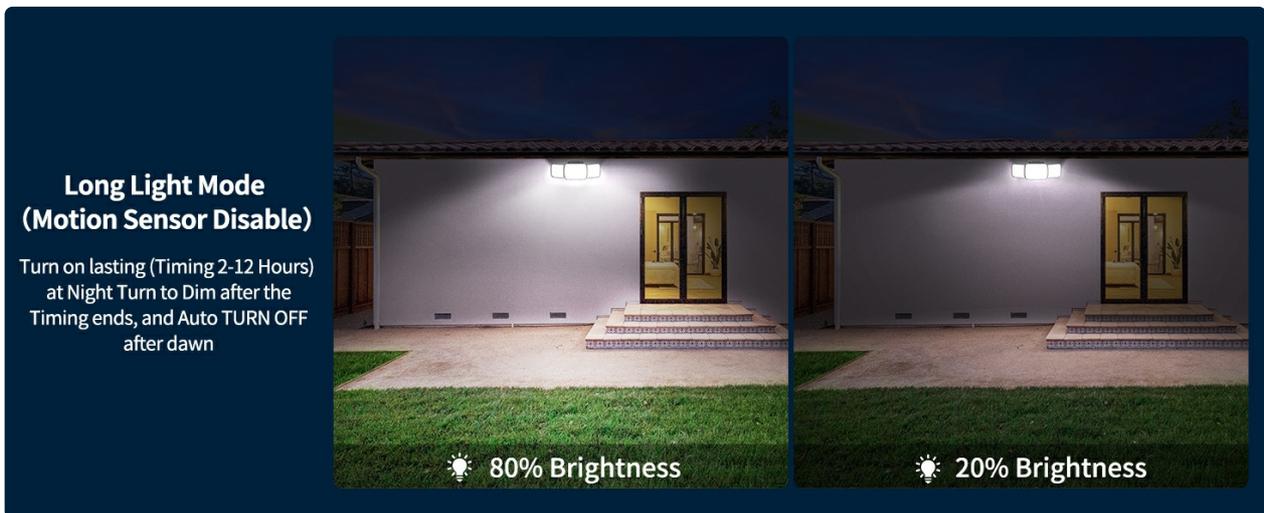


Image 6.4: Dim + Lighting Mode operation.

- **OFF + Lighting Mode (Motion Sensor Disabled):** The light turns on at night and maintains a medium brightness (e.g., 80%) for a set timing (2-12 hours), then turns off completely until dark the next day.

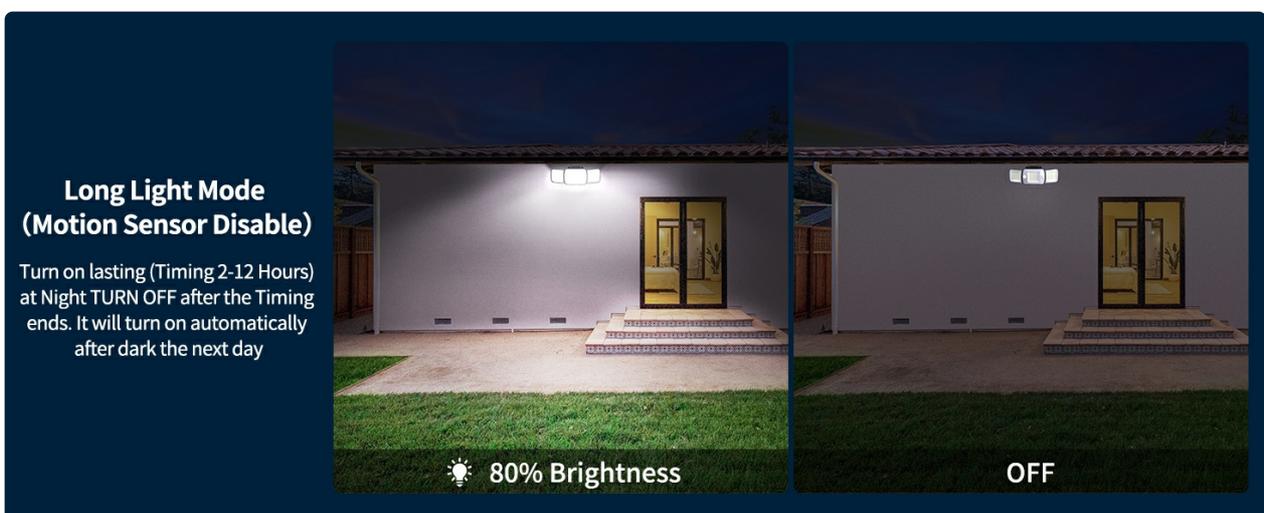


Image 6.5: OFF + Lighting Mode operation.

6.3 Brightness Adjustment

The remote control allows you to adjust the brightness level of the light in certain modes (e.g., 60%, 80%, 100%).



Image 6.6: Brightness adjustment options for motion sensor modes.

7. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your solar flood lights.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures efficient charging.
- **Battery:** The light includes a Lithium Ion battery. While designed for long life, some reviews indicate the batteries are replaceable, extending the product's lifespan. Refer to manufacturer support for battery replacement guidelines if needed.
- **Inspect Connections:** Occasionally check the cable connection between the solar panel and the light unit to ensure it is secure and free from damage.

8. TROUBLESHOOTING

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

- **Light Does Not Turn On at Night:**
 - Ensure the light is switched ON via the remote control.
 - Verify the solar panel is receiving sufficient direct sunlight (6-8 hours daily). Relocate if necessary.
 - Check the connection cable between the solar panel and the light unit for any disconnections or damage.
 - The battery might be depleted. Allow several days of full sunlight charging.
- **Light Stays Dim or Only Works for a Short Period:**
 - The solar panel may not be charging effectively due to dirt, debris, or insufficient sunlight. Clean the panel and ensure optimal placement.
 - Battery capacity might be reduced due to prolonged use or extreme temperatures.
 - Ensure the selected lighting mode and duration settings are appropriate for your needs.

- **Motion Sensor Not Working:**

- Ensure the light is in a motion sensor mode (Dim + Sensor or OFF + Sensor).
- Check for obstructions blocking the sensor's field of view.
- Verify the sensor is clean and free from dirt.

9. WARRANTY AND SUPPORT

The intelamp YL002-12B Solar Flood Lights come with a **Limited Warranty**. For specific warranty terms and conditions, please refer to the product packaging or contact intelamp customer support.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact intelamp customer support directly. You can often find contact information on the product packaging or the official intelamp website.