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> INTELAMP Solar Outdoor Light with Motion Sensor and Remote Control, 12500mAh 3000LM

INTELAMP 12500mAh 3000LM

INTELAMP Solar Outdoor Light with Motion Sensor and Remote Control

Model: 12500mAh 3000LM

Brand: INTELAMP

PRODUCT OVERVIEW

The INTELAMP Solar Outdoor Light is designed to provide efficient and reliable illumination for various outdoor spaces. It features a high-efficiency monocrystalline silicon solar panel, a 12500mAh lithium iron phosphate battery, and a powerful 3000LM output. Equipped with a dual PIR motion sensor and remote control, this light offers multiple lighting modes and intelligent linkage capabilities for enhanced security and convenience. Its durable, IP65 waterproof construction ensures performance in diverse weather conditions.



Figure 1: INTELAMP Solar Outdoor Light with remote control.

KEY FEATURES

- **High Brightness & Long Duration:** 3000 lumens output, comparable to a 200W incandescent bulb, powered by a 12500mAh battery for extended illumination.
- **Adjustable Solar Panel:** Unique design allows the solar panel angle to be adjusted for optimal sunlight absorption and charging efficiency.
- **Dual PIR Motion Sensors:** Detects movement over a wider 180-degree range, up to 10-16 meters, offering enhanced security.
- **Four Lighting Modes:** Customizable lighting options to suit various needs and preferences.
- **Wide-Angle Illumination:** 240° wide-angle lighting design covers a larger area.
- **Smart Remote Control:** Allows for power on/off, brightness adjustment, mode selection, and setting motion-activated high brightness delays (30s, 45s, 60s).
- **Intelligent Linkage:** When one INTELAMP light detects motion, it can activate other nearby INTELAMP lights within a 30-meter range, providing comprehensive coverage.
- **IP65 Waterproof:** Constructed with a high-quality die-cast alloy lamp holder, ensuring durability and normal operation in all seasons and extreme weather.

Machen Sie es anders

größeres Solarpanel und größere Batterie
höhere helligkeit und längere beleuchtung zeit



Sonnenkollektor	98 inch ² = L13.4*W7.3	17 inch ² =L7.1*W2.4
Batterie	12500 mAh	2600 mAh
Helligkeit	3000 lumen	800 lumen

Figure 2: Comparison highlighting larger solar panel, battery, and brightness of the INTELAMP light.

Zwei Sensoren Erkennung breiter und länger

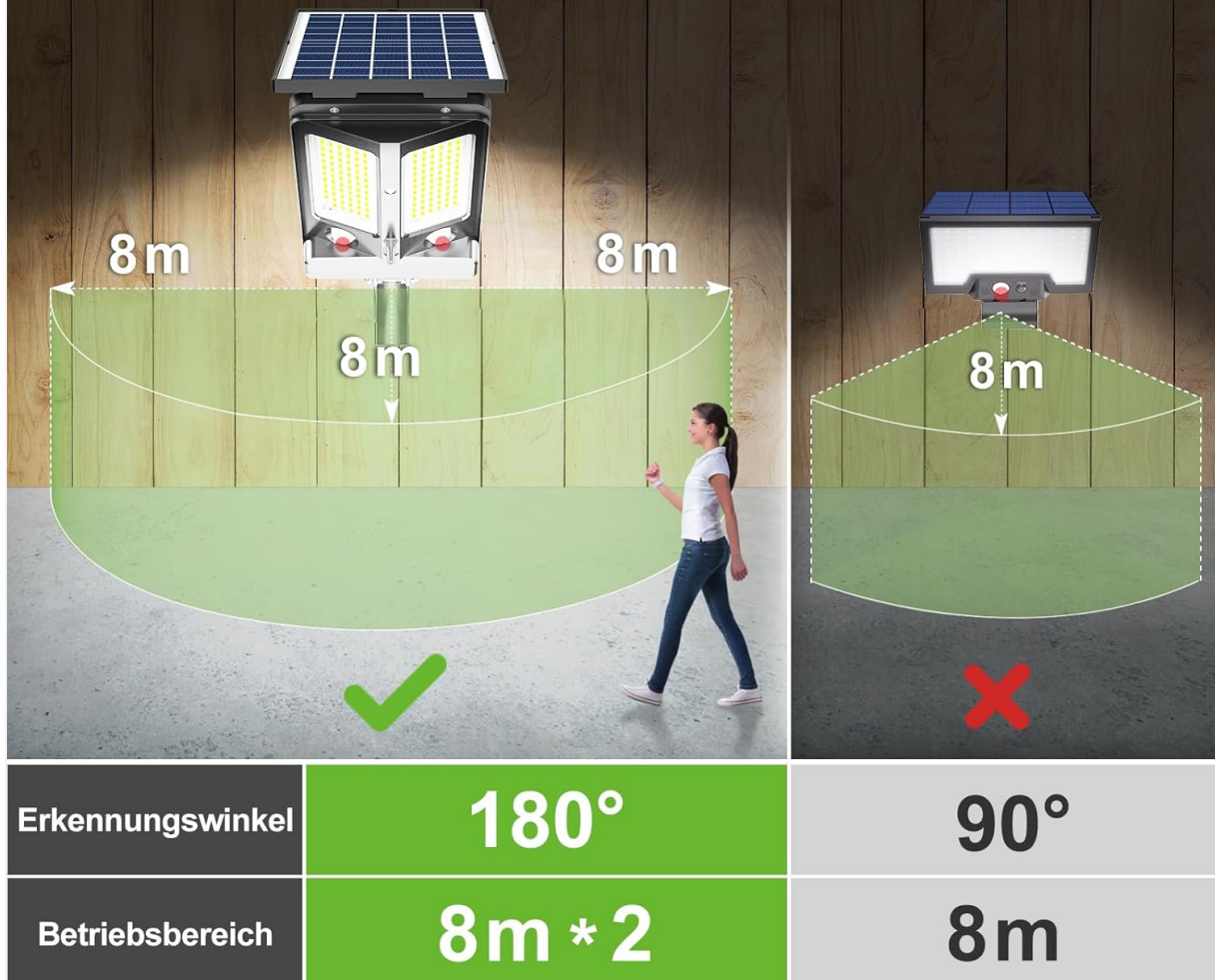


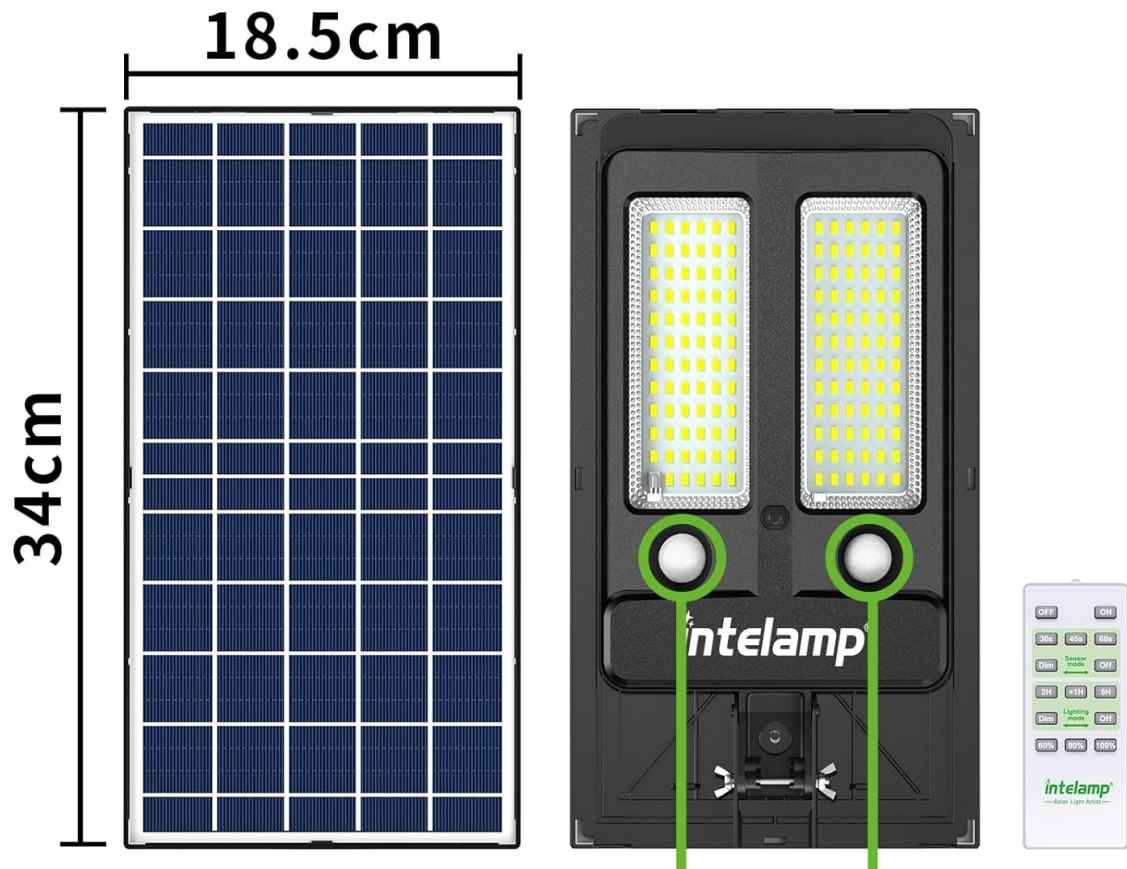
Figure 3: Illustration of the 180-degree detection angle and extended range of the dual PIR sensors.

PACKAGE CONTENTS

Please check the package for the following items:

- INTELAMP Solar Outdoor Light (1 unit)
- Remote Control (1 unit)
- Mounting Screws and Wall Plugs
- User Manual (this document)

Großes Solarpanel für ausreichend Strom



Zwei Sensoren Erkennung breiter und länger

Figure 4: Components of the INTELAMP Solar Outdoor Light, including the large solar panel, dual sensors, and remote control.

SAFETY INSTRUCTIONS

- Ensure the solar panel is installed in a location that receives direct sunlight for at least 6-8 hours daily for optimal charging.
- Avoid installing the light under streetlights or other strong light sources at night, as this may interfere with the light sensor and prevent it from turning on.
- Do not disassemble or modify the product. Unauthorized modifications may void the warranty and pose safety risks.
- Keep the product away from fire and extreme temperatures.
- Dispose of the battery responsibly according to local regulations.
- Always use appropriate safety gear when installing the light, especially when working at heights.

SETUP AND INSTALLATION

1. Choosing an Installation Location

Select a location where the solar panel can receive maximum direct sunlight throughout the day. Ensure

there are no obstructions like trees, buildings, or eaves that might shade the panel. The ideal installation height is typically 2-4 meters (6.5-13 feet) for optimal motion detection and light coverage.

2. Adjusting the Solar Panel Angle

The solar panel's angle can be adjusted to maximize sunlight exposure. Loosen the adjustment screws, position the panel to face the sun, and then tighten the screws securely. There are three adjustable levels to optimize charging efficiency.



Figure 5: The solar panel can be adjusted to optimize sunlight absorption.

3. Mounting the Light

The light can be mounted on a wall or a pole. Use the provided screws and wall plugs for secure installation. For wall mounting, drill holes at the marked positions, insert the wall plugs, and then secure the bracket with screws. For pole mounting, use appropriate straps or clamps (not included) to attach the light securely to the pole.



Figure 6: Examples of wall and pole installation, demonstrating versatility for various outdoor settings.



Figure 7: The solar light is suitable for various applications such as garages, gardens, and fences.

OPERATING INSTRUCTIONS

Remote Control Functions

The included remote control allows for easy adjustment of the light's settings.

- **ON/OFF:** Turns the light on or off.
- **Mode Selection:** Choose from 4 distinct lighting modes (refer to the specific mode descriptions below).
- **Brightness Adjustment:** Adjust the light intensity (e.g., 50%, 75%, 100%).
- **Motion Sensor Delay:** Set the duration for high brightness after motion detection (30s, 45s, or 60s).
- **Continuous Lighting:** Activates a continuous lighting mode without motion detection.



Figure 8: The INTELAMP Solar Outdoor Light shown with its remote control, illustrating the various control options.

Lighting Modes

The light offers 4 modes to suit different security and illumination needs:

1. **Mode 1 (Motion Sensor Only):** The light remains off until motion is detected, then turns on at full brightness for a set duration (30/45/60 seconds) before turning off again.
2. **Mode 2 (Dim Light + Motion Sensor):** The light stays on at a dim level and brightens to full intensity when motion is detected. After the set delay, it returns to dim light.
3. **Mode 3 (Continuous Dim Light):** The light stays on at a continuous dim level throughout the night, without motion detection.
4. **Mode 4 (Intelligent Linkage):** When one light detects motion, it signals other INTELAMP lights within 30 meters to also activate, providing synchronized illumination. This mode requires multiple INTELAMP lights of this type.

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Video 1: Demonstration of intelligent motion detection and linkage feature, showing how the light activates upon movement and can trigger other nearby lights.

MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures optimal charging efficiency.
- **Battery Care:** The integrated lithium iron phosphate battery is designed for long life. Avoid prolonged storage in a completely discharged state. If storing for an extended period, ensure the battery is partially charged.
- **Inspection:** Periodically check the mounting hardware to ensure the light remains securely attached.
- **Environmental Factors:** While IP65 waterproof, heavy snow accumulation on the solar panel should be cleared to allow for charging.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none">• Insufficient sunlight exposure.• Solar panel is dirty.• Light sensor interference.• Battery is fully discharged.	<ul style="list-style-type: none">• Relocate the light to an area with direct sunlight for 6-8 hours.• Clean the solar panel.• Ensure no other strong light sources are near the light sensor.• Allow the light to charge for 1-2 sunny days.
Motion sensor not detecting.	<ul style="list-style-type: none">• Obstruction in detection path.• Incorrect installation height/angle.• Sensor is dirty.	<ul style="list-style-type: none">• Clear any obstructions.• Adjust installation height and angle for optimal detection.• Clean the sensor lens.
Remote control not working.	<ul style="list-style-type: none">• Battery in remote is dead.• Remote is too far from the light.• Obstruction between remote and light.	<ul style="list-style-type: none">• Replace the remote control battery.• Ensure you are within the remote's operating range.• Remove any obstructions.

SPECIFICATIONS

- **Brand:** INTELAMP
- **Model:** 12500mAh 3000LM
- **Color:** Black
- **Material:** ABS
- **Style:** Modern
- **Light Source Type:** LED
- **Number of LEDs:** 142
- **Luminous Flux:** 3000 lm (Note: Product description states 3000LM, specifications state 2000 lm. Using 3000LM as per product title and feature bullets for consistency, but noting the discrepancy.)
- **Power:** 20 Watts
- **Voltage:** 3.2 Volts (DC)

- **Battery:** 12500mAh Lithium Iron Phosphate
- **Solar Panel:** Monocrystalline Silicon, adjustable angle
- **Motion Sensor:** Dual PIR, 180° detection angle, 10-16 meters range
- **Control Method:** Remote Control
- **Water Resistance Level:** IP65 Waterproof
- **Dimensions (L x W x H):** 46L x 19W x 5.5H cm
- **Product Weight:** 1.8 Kilograms
- **Assembly Required:** Yes
- **Mounting Type:** Wall Mount, Pole Mount
- **Specific Uses:** Terrace, Garage, Garden, Street, Outdoor Security

WARRANTY AND SUPPORT

INTELAMP products are manufactured to high-quality standards. For warranty information, technical support, or customer service inquiries, please refer to the contact details provided with your purchase or visit the official INTELAMP website. Please retain your proof of purchase for warranty claims.

For further assistance, you may also contact the seller directly through the platform where the product was purchased.