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› intelamp Solar Outdoor Light with Motion Sensor and Remote Control User Manual

intelamp YL005-10E

intelamp Solar Outdoor Light User Manual

Model: YL005-10E

INTRODUCTION

This user manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of your intelamp Solar Outdoor Light. Please read this manual thoroughly before using the product to ensure proper function and longevity.

SAFETY INSTRUCTIONS

- Ensure the solar panel is installed in a location that receives direct sunlight for at least 5-8 hours daily to maximize charging efficiency.
- Do not disassemble or modify the product. Unauthorized modifications may cause damage and void the warranty.
- Keep the product away from fire or high temperatures.
- Avoid direct eye exposure to the LED light when it is on, as it can be very bright.
- Dispose of batteries according to local regulations.
- The product is IP65 waterproof, but do not immerse it in water.

PRODUCT OVERVIEW

The intelamp Solar Outdoor Light is a high-luminosity, motion-sensing lighting solution designed for outdoor use. It features a separate solar panel for flexible installation and a remote control for convenient operation.



Figure 1: Main components of the intelamp Solar Outdoor Light system.

Components:

- **Solar Panel:** Converts sunlight into electrical energy to charge the internal battery.
- **Light Unit:** Contains 170 high-brightness LEDs and an integrated motion sensor.
- **Remote Control:** Allows for mode selection, brightness adjustment, and timer settings.
- **Connecting Cable:** A 5-meter cable connecting the solar panel to the light unit, allowing for flexible placement.
- **Mounting Accessories:** Hardware for secure installation on various surfaces.

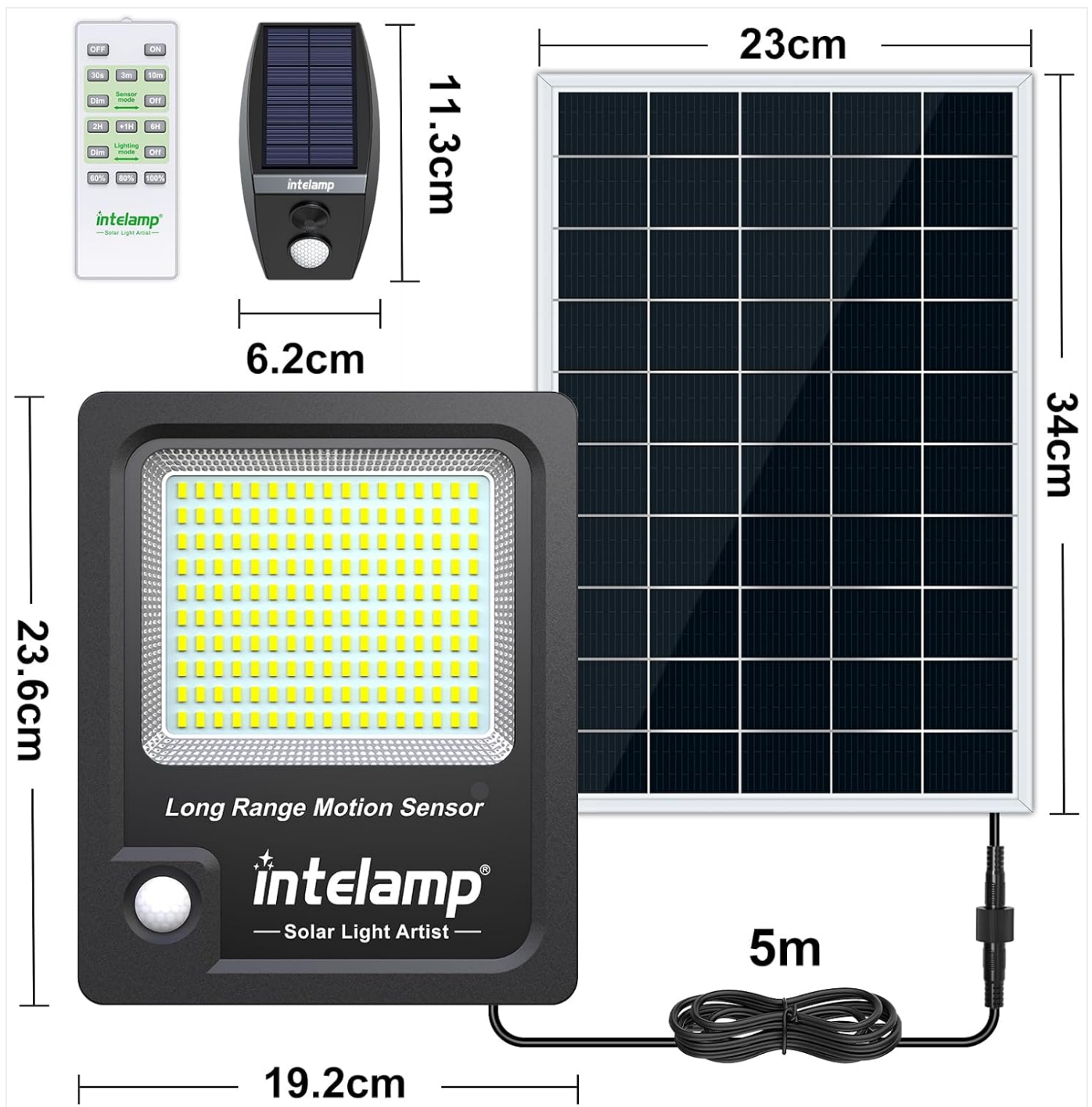


Figure 2: Product dimensions for the solar panel, light unit, and remote control.

SETUP AND INSTALLATION

Follow these steps to properly set up and install your intelamp Solar Outdoor Light.

1. Initial Charging:

Before first use, connect the solar panel to the light unit and place the solar panel in direct sunlight for at least 5 hours to ensure the 12000mAh battery is sufficiently charged. This initial charge is crucial for optimal performance.



Figure 3: Initial charging of the solar light system.

2. Choosing a Location:

- **Solar Panel:** Select a location that receives maximum direct sunlight throughout the day, free from obstructions like trees or buildings. The 5-meter cable allows for flexible placement away from the light unit.
- **Light Unit:** Mount the light unit in an area where illumination is desired, such as a garden, garage, patio, or pathway. Consider the motion sensor's detection range when positioning.

3. Mounting the Units:

1. Use the provided mounting accessories to securely attach the solar panel and light unit to a wall, wooden board, or square post.
2. Ensure both units are firmly fixed to prevent movement due to wind or other environmental factors.
3. Connect the solar panel to the light unit using the 5-meter cable. Ensure the connection is secure and waterproof.

OPERATING INSTRUCTIONS

Your intelamp Solar Outdoor Light comes with a remote control for easy operation and mode selection.

Remote Control Functions:

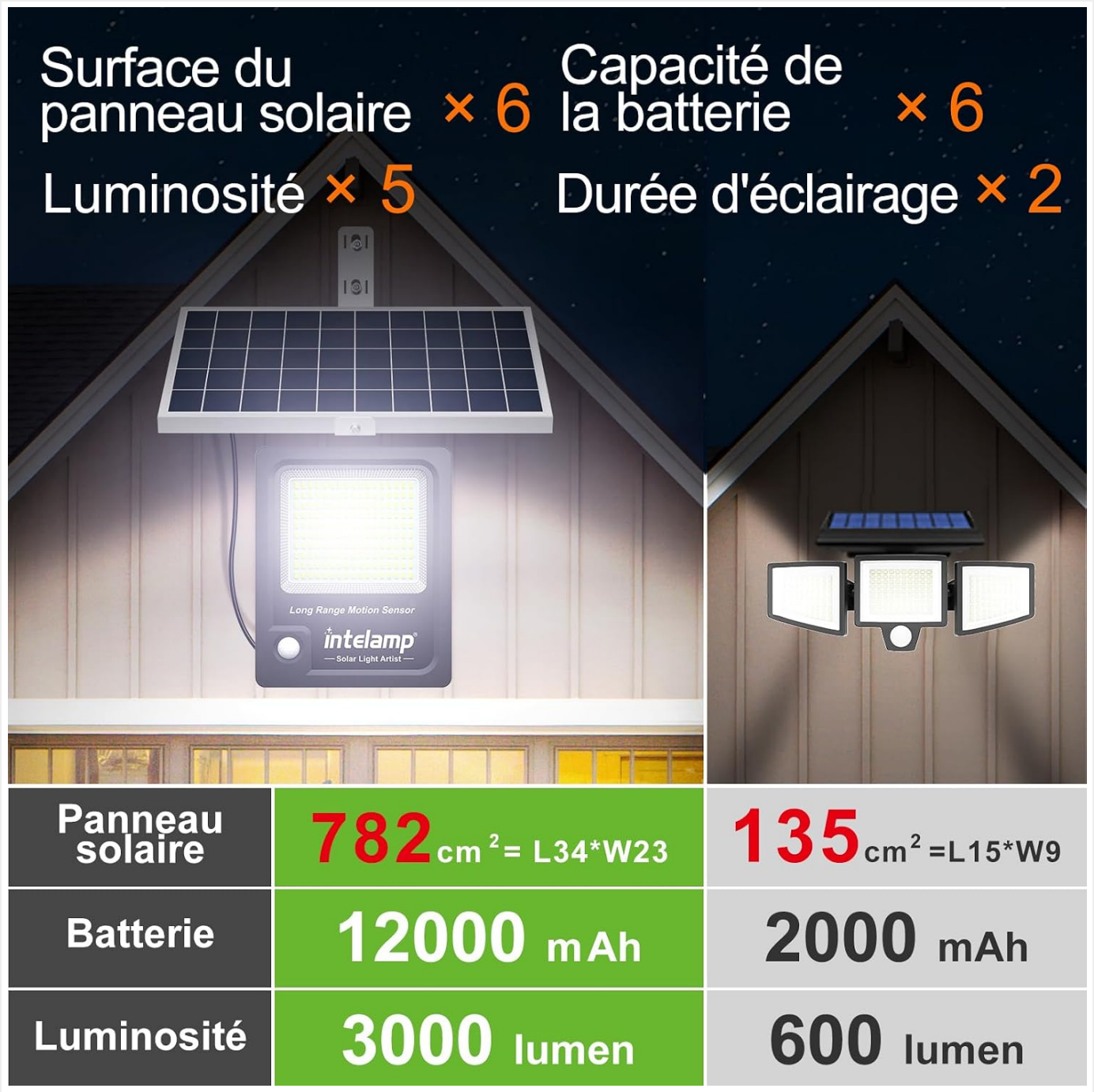


Figure 4: Remote control layout and functions.

- **ON/OFF:** Turns the light on or off.
- **30S / 3M / 10M:** Sets the high-brightness delay time after motion detection (30 seconds, 3 minutes, or 10 minutes).
- **DIM / BRIGHT:** Adjusts the brightness level of the light.
- **Lighting Modes:** Select from various lighting modes, including long-duration lighting. Refer to the remote control for specific mode icons.

Motion Sensor and Linking Function:

The light features an independent motion sensor. When motion is detected, the light will illuminate. Additionally, intelamp

solar lights can link together:

- When one intelamp solar light detects motion, it sends a signal to other intelamp solar lights within a 30-meter radius.
- These linked lights will then illuminate synchronously, providing a larger illuminated area.



Figure 5: Motion detection and wide area illumination.

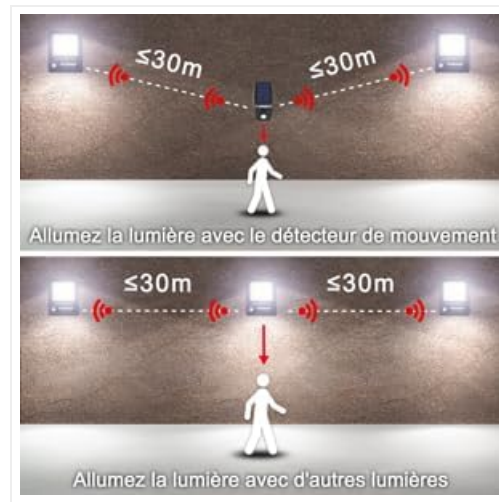


Figure 6: Illustration of the 30-meter linking function between multiple intelamp solar lights.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your solar light.

- **Cleaning:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption.
- **Battery:** The integrated lithium-ion battery is designed for long life. Avoid prolonged periods of no charge, especially in storage.
- **Inspection:** Regularly check the mounting hardware and cable connections for any signs of wear or damage.

TROUBLESHOOTING

If you encounter issues with your intelamp Solar Outdoor Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging; ON/OFF switch is off; ambient light is too bright.	Ensure solar panel is in direct sunlight for 5-8 hours daily. Turn the light ON using the remote. Relocate the light to a darker area.
Light duration is short.	Insufficient charging due to cloudy weather or shaded panel; battery degradation over time.	Ensure optimal solar panel placement. Allow several sunny days for full charge. Consider battery replacement if product is very old.
Motion sensor not detecting.	Sensor obstructed; sensor range too far; incorrect mode selected.	Clear any obstructions from the sensor. Ensure motion is within the effective range (up to 30m). Check remote settings for motion detection mode.
Remote control not working.	Battery in remote is dead; remote not pointed at receiver; interference.	Replace remote control battery. Ensure direct line of sight to the light unit. Minimize interference from other devices.

Problem	Possible Cause	Solution
Linked lights not synchronizing.	Lights are out of 30m range; signal interference; one unit is off or uncharged.	Ensure all linked lights are within 30 meters of each other. Verify all units are charged and turned on.
No indicator light on the main unit.	User expects a visible indicator for charging/status.	Note: The main light unit has a small green LED diode on the front (bottom and top middle) that blinks when the solar panel receives light and stays solid when batteries are fully charged. This may not be immediately obvious.

SPECIFICATIONS

Key technical specifications for the intelamp Solar Outdoor Light (Model YL005-10E):

Feature	Detail
Model Number	YL005-10E
Brand	intelamp
Dimensions (L x W x H)	19.3 x 6 x 23.6 cm (Light Unit); Solar Panel: 23 x 34 cm
Weight	2.82 Kilograms
Battery Type	1 Lithium-ion (included)
Battery Capacity	12000 mAh
Light Source Type	LED (170 bulbs)
Luminous Flux	3000 LM
Power	12 Watts
Color Temperature	6000 Kelvin
Voltage	3.2 Volts (DC)
Material	Acrylonitrile Butadiene Styrene (ABS), Metal
Waterproof Rating	IP65
Special Features	Motion Sensor, Timer, Remote Control, Linking Function
Cable Length	5 meters

WARRANTY AND SUPPORT

For warranty information or technical support, please contact intelamp customer service through your purchase platform or the official intelamp website. Keep your purchase receipt as proof of purchase.

The product is designed for durability and performance under various outdoor conditions, backed by quality materials and construction.

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