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› WdtPro 2025 Solar Lights Outdoor Flood Light User Manual

WdtPro TWL002

WdtPro 2025 Solar Lights Outdoor Flood Light User Manual

Model: TWL002

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your WdtPro 2025 Solar Lights Outdoor Flood Light. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

SAFETY INFORMATION

- Ensure the solar panel receives direct sunlight for optimal charging.
- Do not disassemble or modify the product.
- Keep away from fire and extreme heat sources.
- Install in a location where the light can illuminate the desired area without obstruction.
- Avoid looking directly into the light when it is on.

PACKAGE CONTENTS

Verify that all items are present in the package:

- Solar Motion Sensor Outdoor Lights x 2
- Wall Bracket x 2
- Screws x 4
- Plastic Anchor x 4
- User Manual x 1



Image: Components included in the package, showing two solar lights, wall brackets, screws, plastic anchors, and the user manual.

PRODUCT OVERVIEW

The WdtPro 2025 Solar Flood Light features three adjustable heads, a high-efficiency glass solar panel, and an advanced PIR motion sensor for comprehensive outdoor illumination.



No-dead-angle Lighting



Image: A diagram illustrating the dimensions of the solar light and the adjustable angles of its three light heads, allowing for no-dead-angle lighting.



3500LM
Ultra-brilliant

360°
Illumination

- **150pcs** advanced COB LED chips
- **45°** wide-angle Fresnel lenses
- **90%** brighter than standard LEDs
- **Light Diffusion Technology**

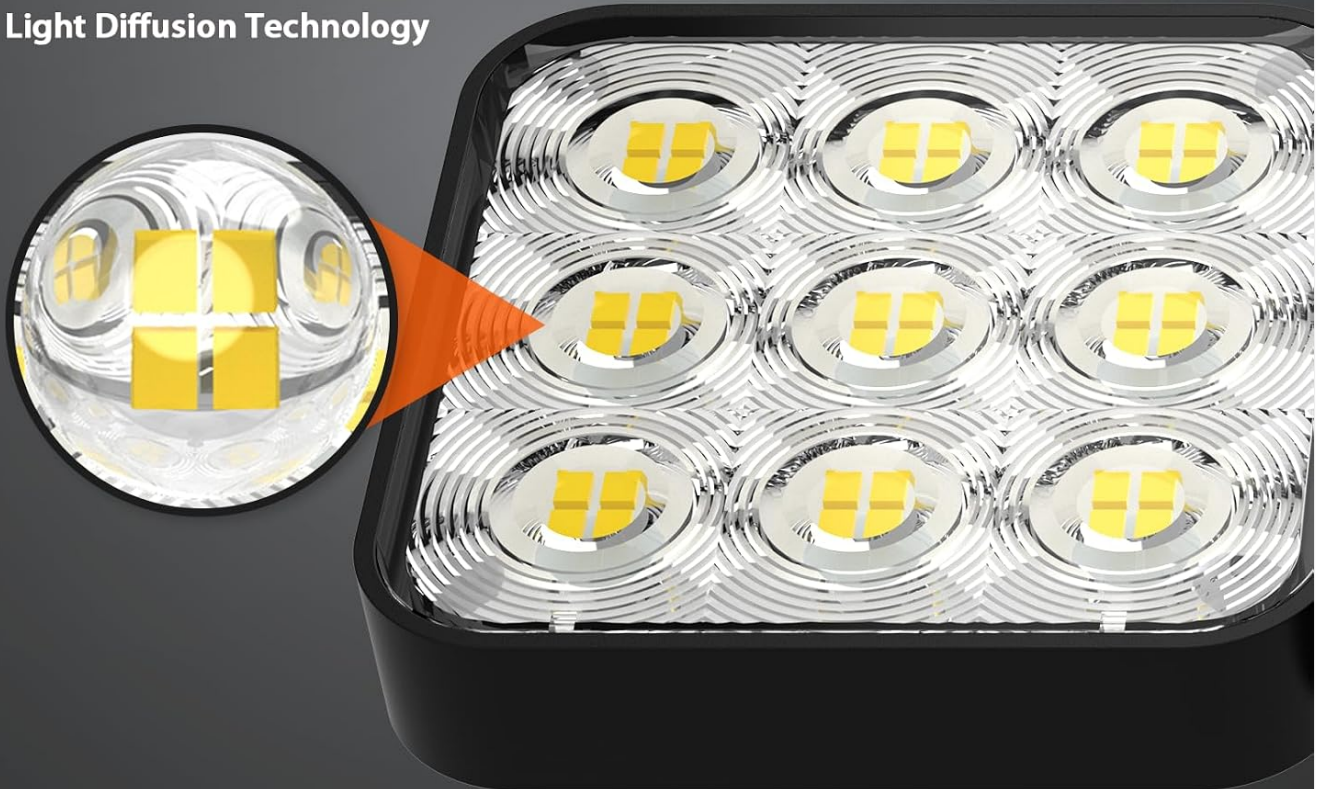


Image: A detailed view of the 150 advanced COB LED chips and 45-degree wide-angle Fresnel lenses, highlighting the light diffusion technology for 3500 lumens of ultra-brilliant illumination.

SETUP AND INSTALLATION

1. **Choose a Location:** Select an outdoor location that receives direct sunlight for at least 6-8 hours daily to ensure optimal charging of the solar panel. The location should also allow the light to illuminate the desired area effectively.
2. **Mark Drilling Points:** Hold the wall bracket against the desired mounting surface and mark the positions for the screws.
3. **Drill Holes:** Use an appropriate drill bit to drill holes at the marked positions. Insert the plastic anchors into the drilled holes.
4. **Mount the Bracket:** Secure the wall bracket to the surface using the provided screws.
5. **Attach the Light:** Slide the solar light onto the mounted wall bracket until it clicks securely into place.
6. **Adjust Light Heads:** Adjust the three light heads and the solar panel to cover the desired illumination area and maximize sun exposure.



Image: Two WdtPro solar lights mounted on an exterior wall, demonstrating their placement and appearance after installation.

OPERATING MODES

The WdtPro solar light offers three distinct lighting modes, selectable via the power button on the unit:



Image: A visual representation of the three operational modes: Dim Light (Mode 1), Always On (Mode 2), and Strong Light (Mode 3), showing how the light behaves with and without motion detection.

1. **Mode 1 (Dim Light + Motion Sensor Mode):** The light stays at 3% brightness at night. When motion is detected, it illuminates at 100% brightness for approximately 20-30 seconds, then returns to 3% brightness.
2. **Mode 2 (Always On Low Light Mode):** The light stays at 20% brightness continuously at night for 10-12 hours, regardless of motion.
3. **Mode 3 (Strong Light Motion Sensor Mode):** The light remains off at night until motion is detected. It then illuminates at 100% brightness for approximately 20-30 seconds and turns off again.

The upgraded PIR motion sensor detects human or pet movement up to 60 feet within a 180-degree range.

UPGRADED 4D SMART RADAR DETECTION



Image: An illustration demonstrating the 180-degree detection angle and 60-foot detection distance of the upgraded PIR motion sensor, covering an area of approximately 1800 square feet.

MAINTENANCE

- **Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Obstruction Check:** Periodically check that no trees, bushes, or other objects are obstructing the solar panel's exposure to direct sunlight.
- **Battery Life:** The built-in 2500mAh rechargeable battery is designed for long-term use. If the light's performance significantly degrades over time, ensure the solar panel is clean and receiving adequate sunlight.



Image: The solar light shown functioning during a heavy rainstorm, illustrating its IP65 water resistance and durability in adverse weather conditions.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient sunlight exposure; Solar panel is dirty; Battery is depleted.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel. Allow several sunny days for the battery to fully charge.
Light stays dim or flickers.	Partial charge; Obstruction over sensor/panel.	Ensure full charge. Check for obstructions (e.g., tree branches) blocking the solar panel or motion sensor.

Problem	Possible Cause	Solution
Motion sensor not detecting.	Sensor obstructed; Incorrect mode selected.	Clear any obstructions from the sensor. Ensure the light is in Mode 1 or Mode 3 for motion detection.

SPECIFICATIONS

Feature	Detail
Brand	WdtPro
Model Name	Solar Flood Lights Outdoor Motion Sensor (TWL002)
Brightness	3500 Lumens
Light Source Type	LED (150 COB LED chips)
Color Temperature	7000 Kelvin (Cool Light)
Power Source	Solar Powered
Battery Capacity	2500mAh (rechargeable)
Solar Panel Conversion Rate	50% (monocrystalline silicon and glass)
Motion Sensor Detection Range	Up to 60 ft (180-degree)
Lighting Modes	3 Modes (Dim+Motion, Always On Low, Strong Motion)
Water Resistance Level	IP65 Waterproof
Material	ABS+PC Shell, Glass Solar Panel
Product Dimensions	12"L x 5"W x 8.6"H
Item Weight	2.2 Pounds

WARRANTY AND SUPPORT

The WdtPro 2025 Solar Lights Outdoor Flood Light comes with a**Limited Warranty**. For specific warranty terms and conditions, please refer to the warranty card included in your package or contact WdtPro customer support. For technical support, troubleshooting assistance, or any inquiries regarding your product, please visit the official WdtPro store on Amazon or contact their customer service directly. Contact information can typically be found on the product packaging or the brand's official website.

WdtPro Store Link: [Visit WdtPro Store on Amazon](#)

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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