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› INSDEA 6000W Solar Street Light Instruction Manual

INSDEA Solar Street Light

INSDEA 6000W Solar Street Light Instruction Manual

Model: Solar Street Light

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your INSDEA 6000W Solar Street Light. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product. This solar street light is designed for outdoor use, providing efficient and reliable illumination for various areas such as gardens, yards, paths, and parking lots.

PRODUCT FEATURES

- **0 Electricity Bill:** Powered by a solar panel, eliminating electricity costs.
- **Ultra-Bright Illumination:** Features 1000x 5730 LED chips for 600,000LM brightness.
- **Long Lifespan:** Designed for 50,000+ hours of operation.
- **Efficient Charging:** Massive 50AH battery charges in 6-8 hours.
- **Extended Lighting:** Provides 12+ hours of nightly illumination.
- **Easy Installation:** Two mounting options (wall or pole) for 1.5–4" diameter poles (ideal height: 19.5–26.3ft). No wiring or trenches required.
- **Three Working Modes:** Motion-Activated, Timed Lighting, and Always-on Lighting.
- **IP65 Waterproof:** ABS casing and rain drainage design ensure resistance to rain, snow, and heat (-5°F to 158°F / -5°C to 70°C).
- **Light Sensing:** Automatically charges during the day and lights up at night.
- **Multifunctional Remote Control:** Control settings from up to 25ft away, including brightness adjustment and timer functions.

PACKAGE CONTENTS

- Solar Street Light Unit
- Remote Control (battery included)
- Mounting Hardware



Image: Components included in the INSDEA Solar Street Light package.

SPECIFICATIONS

Feature	Specification
Brand	INSDEA
Model Name	Solar Street Light
Wattage	6000 watts
Brightness	600000 Lumen
Light Source Type	LED (5730 LED lamp beads)
Power Source	Solar Powered

Feature	Specification
Material	Acrylonitrile Butadiene Styrene, Aluminum
Water Resistance Level	IP65 Waterproof
Control Method	Remote, Motion Sensor
Product Dimensions	27"L x 17"W x 6"H
Item Weight	10.25 pounds (4.66 Kilograms)
Color Temperature	6500 Kelvin
Installation Type	Pole and Wall Mount
Operating Temperature	-5°F to 158°F (-5°C to 70°C)

Setup and Installation

The INSDEA Solar Street Light offers flexible installation options for both wall and pole mounting. Ensure the solar panel faces direct sunlight for optimal charging.

- Choose Location:** Select a location that receives ample direct sunlight throughout the day for the solar panel. The ideal installation height is between 19.5 to 26.3 feet (6 to 8 meters).
- Mounting Bracket Installation:** Secure the mounting bracket to a wall or pole using the provided hardware. For pole mounting, ensure the pole diameter is between 1.5 to 4 inches.
- Attach Light Fixture:** Connect the solar street light unit to the mounting arm and secure it firmly with the provided bolts and wrench.
- Adjust Angle:** Adjust the angle of the solar panel to maximize sun exposure.

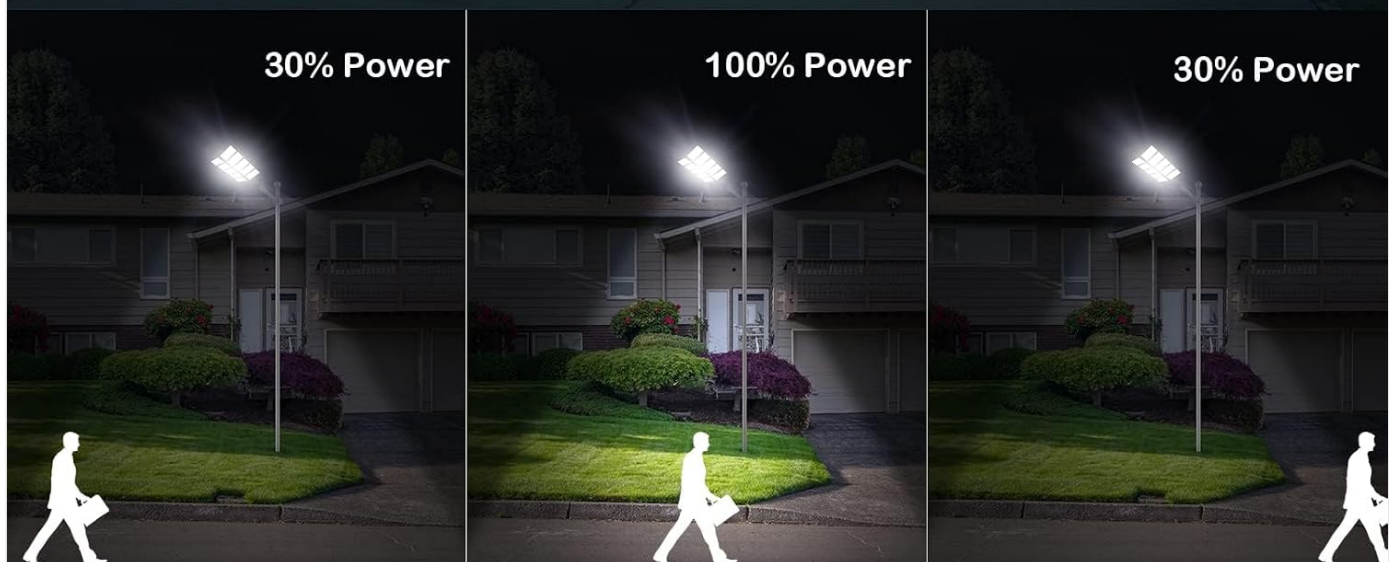


Image: Recommended installation height and light coverage area.



Image: Key components and dimensions of the solar street light.

Your browser does not support the video tag.

Video: Demonstrates the working principle and installation process of the solar street light.

Your browser does not support the video tag.

Video: Overview of the solar street light in operation, showcasing its brightness and features.

OPERATING INSTRUCTIONS

The solar street light operates automatically based on light sensing and can be controlled via the included remote.

Automatic Operation (Light Sensing)

The light automatically charges during the day and turns on at dusk, turning off at dawn. Ensure the light sensor indicator lamp is off when it's bright for the solar light to be turned on at night.

The logo for INSDEA, featuring the brand name in a stylized, serif font with a blue outline, set against a dark background.

Modern Country Style

Light-sensing solar light:
can only be turned on when there is no light (sunlight or lamp);



0 Electricity Bill

Solar Street Light



Large
Solar Panel



High
Brightness



IP65
Waterproof



Remote
Control



Intelligent
Light Control



Motion
Sensing



Timing
Lighting



Large capacity
Battery

Image: Solar charging and lighting cycle, emphasizing energy efficiency.

Remote Control Functions

Use the multifunctional remote control to adjust settings from up to 25 feet away.

- **ON/OFF:** Turn the light on or off. If turned off, it will not automatically come on the next day; you must turn it on again.
- **Brightness Adjustment:** Select 25%, 50%, 75%, or 100% brightness.
- **Motion Sensor Mode:** When motion is detected, the light illuminates at 100% brightness for 20 seconds, then dims to 30% brightness if no further motion is detected.
- **Timed Lighting:** Set the light to operate at full brightness for 2, 3, 5, 6, or 8 hours, after which it switches to motion sensing mode.
- **Always-on Lighting:** The light remains on at a set brightness (0% brightness lighting, which likely means a low-level constant light, or 100% if set by remote).

REMOTE CONTROL BUTTONS



ON: Turn ON the light and Always lighting

(Brightness can be adjusted by remote control)-
Automatically turns on at dusk and off at dawn.



OFF: Turn OFF the solar light

The light will not come on automatically the nextday. If you need the light to come on, you need to trun it on again with the remote control.



Motion sensor mode

When people are close, 100% brightness.
When people are far away, 30% brightness.
(the brightness of the light becomes dim and will not turn off.)



25%/50%/75%/100%

Adjust brightness.



2H/3H/5H/6H/8H:

Timed Light Up Lighting 2/3/5/6/8 hour

Image: Remote control layout and function descriptions.



Sensitive Motion Sensor

No motion detected, 30% brightness

Motion detected, 100% brightness

No motion detected within 20 seconds, 30% brightness



Dim(30%Brightness)



Bright 100%Brightness



Dim(30%Brightness)

Image: Motion sensor operation with brightness changes.

MAINTENANCE

To ensure optimal performance and extend the lifespan of your solar street light, follow these maintenance guidelines:

- **Clean Solar Panel:** Regularly clean the surface of the solar panel to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Mounting:** Periodically inspect the mounting hardware to ensure it remains secure, especially after strong winds or storms.
- **Environmental Protection:** The light is IP65 waterproof, designed to withstand various weather conditions including rain, snow, and extreme temperatures (-5°F to 158°F). No special weather-proofing is typically required.



Image: IP65 waterproof design for all-weather durability.

TROUBLESHOOTING

If you encounter issues with your INSDEA Solar Street Light, refer to the following common troubleshooting steps:

- **Light Not Turning On at Night:**
 - Ensure the solar panel is clean and free from obstructions.
 - Verify the light is not in "OFF" mode via the remote control.

- Check if the solar panel received sufficient direct sunlight for charging (6-8 hours recommended).

- **Light is Dim or Short-Lived:**

- Ensure the solar panel is clean and positioned for maximum sun exposure.
- Confirm the light is not set to a low brightness percentage via the remote.
- Insufficient charging due to cloudy weather or shaded installation can reduce performance.

- **Remote Control Not Working:**

- Check and replace the remote control battery if necessary.
- Ensure you are within the 25ft operating range of the remote.

WARRANTY AND SUPPORT

Your INSDEA Solar Street Light comes with a **1-year manufacturer's warranty**. Additionally, a **60-day refund guarantee** is provided. For any product inquiries, technical support, or warranty claims, please contact INSDEA customer service through your purchase platform or the official INSDEA website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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