

TECKNET TK-SL003

TECKNET 416 LED Solar Lights Outdoor Instruction Manual

Model: TK-SL003 | Brand: TECKNET

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TECKNET 416 LED Solar Lights. Designed for outdoor use, these waterproof lights feature a motion sensor and multiple lighting modes to enhance security and illumination around your property.

PRODUCT FEATURES

- **Efficient Solar Energy Conversion:** Harnesses sunlight with an impressive 27% conversion rate, providing 10-12 hours of light after 6-8 hours of charging.
- **416 LEDs Enhanced Brightness:** Features 416 LED beads and a reflective light structure for brighter, wider illumination.
- **3 Lighting Modes:** Offers continuous medium-light, dim-to-bright transition, and sensor motion mode for versatile use.
- **IP66 Waterproof:** Durable ABS material and sealed construction ensure resistance to heavy rain, heat, and frost.
- **Advanced PIR Sensor:** Detects movement within 13-20ft and a 120° angle, activating light for security and convenience.
- **300° Wide Lighting Angle:** Provides expansive coverage of approximately 376 sq ft, illuminating a broad area.
- **Multiple Installation Methods:** Supports screw mounting, double-sided adhesive, and rope hanging for flexible placement.

WHAT'S IN THE BOX

- 1 x TECKNET 416 LED Solar Light
- Screws and Anchors
- 3M Tapes

SPECIFICATIONS

Brand	TECKNET
Model Name	TK-SL003
Color	Cool White
Material	Acrylonitrile Butadiene Styrene
Product Dimensions	3.8"L x 2.8"W x 8.5"H
Item Weight	12.6 ounces
Power Source	Solar Powered
Light Source Type	LED
Water Resistance Level	IP66 Water Resistant
Sensing Distance	13-20 ft
Sensing Angle	120°
Lighting Angle	300°
Lighting Area	376 FT²

SETUP

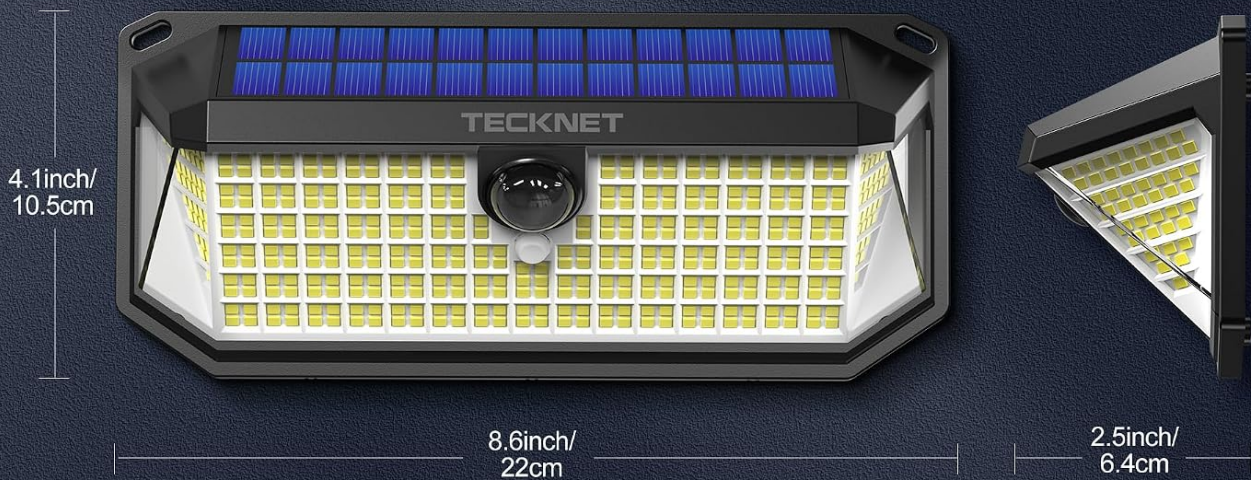
Before initial use, ensure the solar panel is exposed to 6-8 hours of direct sunlight for ample charging. Optimal performance is achieved with full sun exposure. Avoid placing the light in shaded areas as this will hinder charging efficiency.

Installation Methods:

1. Screw Mounting:

This method is recommended for secure and stable installation. Use the provided screws and anchors to firmly attach the light to a wall, fence, or other suitable surface.

Product Size



Easy Installation with Various Options

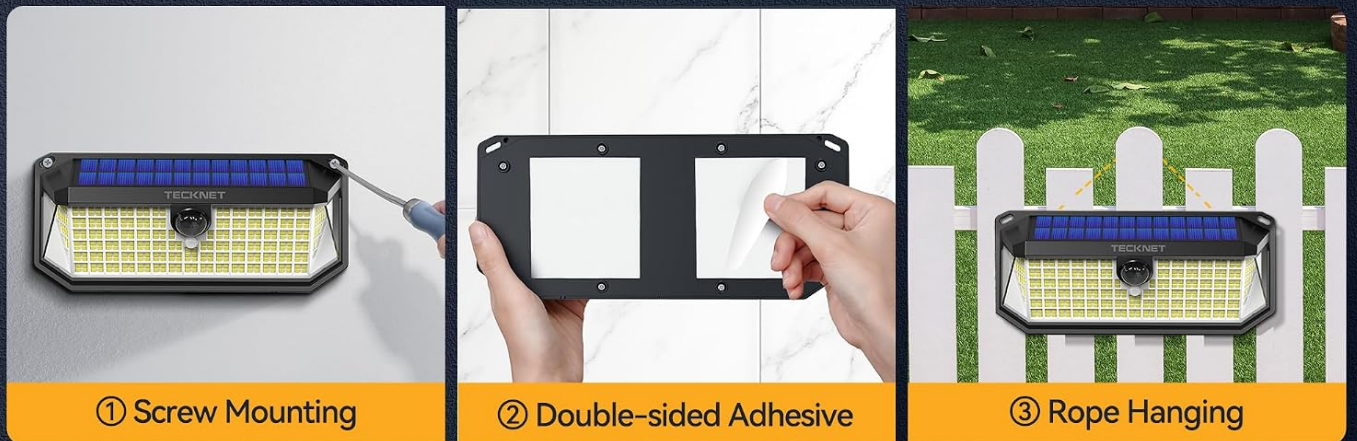


Image: Demonstrates screw mounting, double-sided adhesive, and rope hanging options.

2. Double-sided Adhesive:

For temporary or less permanent installations, the included 3M tapes can be used. Ensure the surface is clean and dry before applying the adhesive.

3. Rope Hanging:

The light can also be hung using a rope through its designated mounting holes. This offers flexibility for placement in various outdoor settings.

Choose a location that receives ample direct sunlight throughout the day to maximize charging efficiency and ensure optimal night-time illumination.

Higher Conversion Efficiency

Up To **27%** Conversion



6-8H



Fast charging during the day



10-12H



Automatically lighting up at night

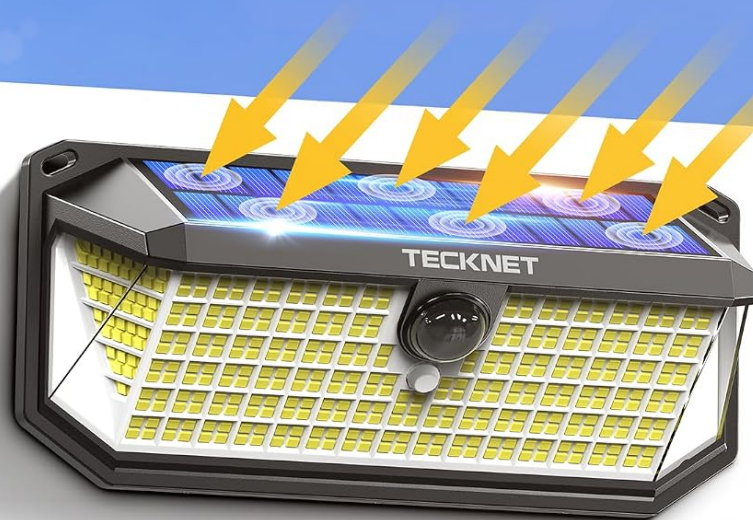


Image: Illustrates the solar charging process during the day and automatic illumination at night.

OPERATING MODES

The TECKNET Solar Light features three distinct lighting modes, selectable via a button on the unit:

Mode 1: Always On Mode

The light will turn on at dusk and maintain a continuous medium brightness (50% light) throughout the night, turning off automatically at dawn.

Mode 2: Dim Light Sensor Mode

The light stays at a dim brightness (30% light) at night. When motion is detected, it brightens to 100% light for a period, then returns to dim light after motion ceases.

Mode 3: Strong Light Sensor Mode

The light remains off (0% light) at night. When motion is detected, it illuminates at 100% brightness for a period, then turns

off completely after motion ceases.



Image: Visual representation of the three lighting modes: Always On, Dim Light Sensor, and Strong Light Sensor.



Image: Illustrates the 300° wide lighting angle and the 13-20 ft sensing distance of the motion sensor.

MAINTENANCE

To ensure optimal performance and longevity of your TECKNET Solar Light, follow these maintenance guidelines:

- **Clean the Solar Panel:** 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.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are blocking direct sunlight from reaching the solar panel, especially during peak charging hours.
- **Inspect for Damage:** Periodically check the light for any physical damage, such as cracks in the casing or solar panel. Despite its IP66 waterproof rating, severe damage could compromise its integrity.
- **Winter Care:** While designed to withstand frost, clearing snow or ice from the solar panel will allow it to charge effectively during winter months.



IP66 Waterproof



IP66 All Weather Ready



Heat-Resistant



Frost-Resistant

Image: Highlights the IP66 waterproof, frostproof, and heatproof features, showing the light's durability in various weather conditions.

TROUBLESHOOTING

• Light Not Turning On at Night:

- Ensure the solar panel receives 6-8 hours of direct sunlight daily. Relocate if necessary.
- Check if the light is in the correct operating mode. Press the mode button to cycle through options.
- Verify there are no external light sources (e.g., streetlights, other outdoor lights) interfering with the light sensor, as this may prevent it from activating.

• Motion Sensor Not Activating:

- Confirm the light is in Mode 2 or Mode 3, which utilize the motion sensor.
- Ensure the sensor lens is clean and free from obstructions.
- Test the sensor by walking within its detection range (13-20ft, 120° angle).

• Reduced Illumination Time:

- Insufficient charging due to cloudy weather or shaded placement. Ensure optimal sun exposure.
- The battery may not be fully charged. Allow several days of full sunlight charging.

WARRANTY AND SUPPORT

The TECKNET 416 LED Solar Light comes with a Limited Warranty. For specific warranty details, claims, or technical support, please refer to the warranty card included with your product or visit the official TECKNET website. You can also contact TECKNET customer service for assistance.

For more information, visit the [TECKNET Store](#).

© 2025 TECKNET. All rights reserved.

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