

## SOLPEX 10047

# SOLPEX Solar Lights Outdoor Waterproof IP65 Instruction Manual

Model: 10047

## INTRODUCTION

Thank you for choosing SOLPEX Solar Lights. These outdoor lights are designed to provide efficient and versatile illumination for various outdoor spaces such as fences, decks, steps, porches, and gardens. Featuring dual color temperature options, three lighting modes, and an IP65 waterproof rating, these lights offer reliable performance and enhanced ambiance.

## WHAT'S IN THE BOX

The package includes the following items:

- Solar Lights (12 units)
- Mounting Hardware (screws and wall anchors)
- User Manual

## FEATURES

- **Dual Color Temperature:** Offers Cool White, Warm White, and Neutral Light options, selectable via a single button press.
- **Bright and Spacious Lighting:** Equipped with convex lenses to enhance brightness by up to 50%, covering an area of approximately 160 sq. ft.
- **Automatic Operation:** Lights automatically activate at dusk and turn off at dawn.
- **Durable Construction:** Made from high-quality ABS material with an IP65 waterproof rating, ensuring resistance to rain, snow, and extreme temperatures (-4°F to 140°F).
- **Efficient Charging:** Features a monocrystalline solar panel and a 600mAh rechargeable battery, achieving full charge in 6-8 hours of direct sunlight with 25% conversion efficiency. Provides extended nighttime illumination.



Image: The SOLPEX solar light is designed to be all-weather resistant, featuring IP65 waterproofing, and resistance to cold, heat, and rust.

## Convex Lensed LED

- Brighter illumination
- Focused Lighting Area
- Enhance Color, Uniformity
- Reduce Glare Effect

**Retain the lens**

**Lens principle**

Image: Explains the convex lens technology, which provides brighter, more focused illumination over 160 sq. ft., enhancing color uniformity and reducing glare.

## SETUP AND INSTALLATION

Before installation, ensure the solar panel is exposed to direct sunlight for 6-8 hours to achieve an initial full charge. It is recommended to cover the solar panel and press the switch to test if the lights are working properly before permanent installation.

1. **Choose Location:** Select a location that receives ample direct sunlight throughout the day for optimal charging. The lights can be installed on fences, railings, steps, walls, or decks.
2. **Mark Drill Points:** Use the provided template or measure the distance between the two screw holes on the back of the light (approximately 34mm or 1.34 inches). Mark these points on your desired mounting surface.
3. **Drill Holes:** Drill pilot holes at the marked points. Insert the plastic expansion screws (wall anchors) into the holes if mounting on masonry or drywall.
4. **Secure Screws:** Drive the screws into the wall anchors or directly into wood, leaving a small portion of the screw head exposed.
5. **Mount Light:** Align the keyhole slots on the back of the solar light with the exposed screw heads and slide the light downwards to secure it.
6. **Alternative Mounting (Adhesive):** For surfaces where drilling is not preferred, use the provided 3M adhesive pads. Ensure the surface is clean and dry before applying the adhesive. Press firmly for secure attachment.



Image: Installation steps for SOLPEX Solar Lights, showing how to mark holes, secure screws, and mount the light. Adhesive pads are also an option.

# All Weather Resistant

Working Temperature -4°F~104°F



IP65  
Waterproof



Cold  
Resistant



Heat  
Resistant



Rust  
Proof

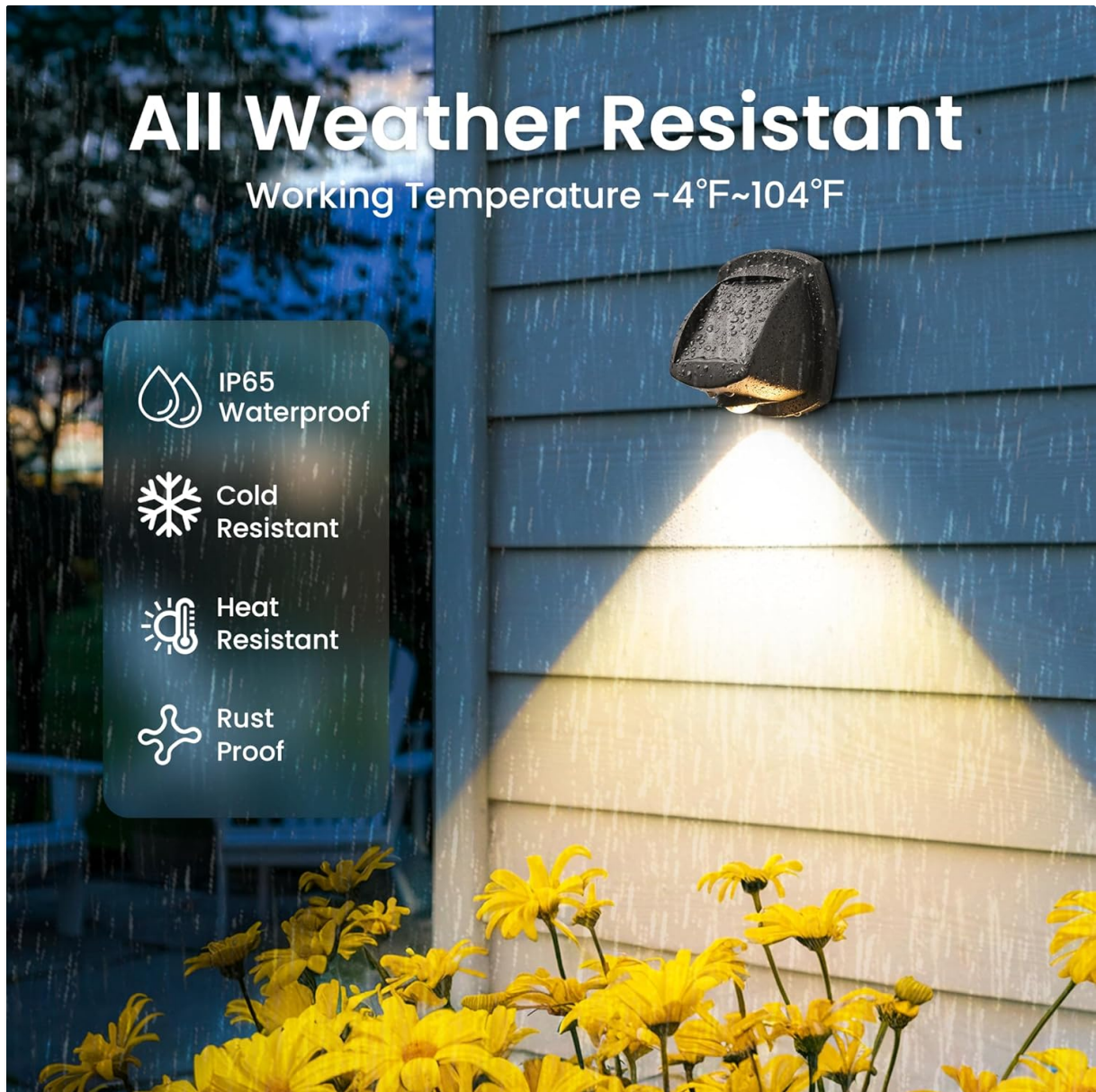


Image: A single SOLPEX solar light mounted on a wooden fence post, showcasing its compact design and solar panel.

## OPERATING INSTRUCTIONS

The SOLPEX Solar Lights are designed for simple, automatic operation.

- **Automatic On/Off:** The lights feature a built-in light sensor. They will automatically turn on at dusk and turn off at dawn, conserving energy.
- **Changing Lighting Modes:** Each light has a small button (ON/OFF/MODE SWITCH). Press this button to cycle through the three available lighting modes:
  - Cool White
  - Warm White
  - Neutral Light

Select your preferred mode before final installation or at any time by pressing the button.



SOLPEX

# 3 COLOR TEMPERATURES

## ON/OFF/MODE SWITCH

Press to switch lighting modes



Image: Demonstrates the three color temperature options (Cool White, Warm White, Neutral Light) and highlights the mode switch button on the light unit.

# Automatic Illuminate

Daytime Recharge, Nighttime Glow



Image: Explains the automatic illumination cycle: 6-8 hours of daytime charging provides over 16 hours of light at night, with a 25% solar conversion rate.

## MAINTENANCE

To ensure optimal performance and longevity of your SOLPEX Solar Lights, follow these maintenance guidelines:

- **Clean Solar Panels:** Regularly wipe the solar panels with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Clear Obstructions:** Ensure no trees, bushes, or other objects are shading the solar panels, especially during peak sunlight hours.
- **Battery Replacement:** While the rechargeable battery is designed for long-term use, its lifespan can vary. If you notice a significant decrease in lighting duration, the battery may need replacement. Refer to the manufacturer for compatible replacement batteries.
- **Inspect for Damage:** Periodically check the lights for any physical damage, such as cracks in the casing or loose components. Despite the IP65 rating, severe damage can compromise waterproofing.

## TROUBLESHOOTING

If your SOLPEX Solar Lights are not functioning as expected, consider the following:

- **Light Not Turning On at Night:**

- **Insufficient Charge:** Ensure the solar panel receives 6-8 hours of direct sunlight daily. Relocate the light if necessary.
- **Switch Position:** Verify that the ON/OFF/MODE switch is in the "ON" position and not "OFF".
- **Ambient Light:** The light sensor may be detecting other light sources (e.g., streetlights, house lights), preventing the solar light from activating. Relocate the light or eliminate competing light sources.

- **Short Lighting Duration:**

- **Inadequate Sunlight:** The solar panel might not be receiving enough direct sunlight for a full charge. Clean the panel and ensure no obstructions.
- **Battery Degradation:** Over time, rechargeable batteries can lose capacity. Consider replacing the battery if the issue persists after ensuring proper charging.

- **Water Inside the Light:**

- **Seal Integrity:** While IP65 rated, extreme conditions or physical damage can compromise seals. Inspect the unit for cracks or gaps. If water ingress is observed, contact customer service.

## SPECIFICATIONS

<b>Brand</b>	SOLPEX
<b>Model Number</b>	10047
<b>Color</b>	Black
<b>Material</b>	Acrylonitrile Butadiene Styrene (ABS)
<b>Light Source</b>	LED
<b>Light Color Options</b>	Warm, Natural, White (3CCT)
<b>Brightness</b>	800 lumen
<b>Power Source</b>	Solar Powered
<b>Battery Capacity</b>	600mAh rechargeable battery
<b>Solar Panel Efficiency</b>	25% conversion efficiency
<b>Charging Time</b>	6-8 hours (direct sunlight)
<b>Lighting Duration</b>	>16 hours (after full charge)
<b>Water Resistance Level</b>	IP65
<b>Operating Temperature</b>	-4°F to 140°F
<b>Dimensions (L x W x H)</b>	3.5"L x 3.5"W x 2.2"H
<b>Mounting Type</b>	Wall Mount

## WARRANTY AND SUPPORT

SOLPEX provides a 12-month worry-free assurance for this product. The manufacturer warranty description states 6 months. For any issues or assistance, please contact SOLPEX customer service. For customer service inquiries, please refer to the contact information provided with your product packaging or visit the official SOLPEX store on Amazon: [SOLPEX Store](#).