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## Kemeco ST4311AB1-2

# Kemeco ST4311AB1-2 Double-Head Solar Lamp Post Light User Manual

Model: ST4311AB1-2

## Introduction

Thank you for choosing the Kemeco ST4311AB1-2 Double-Head Solar Lamp Post Light. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your solar lamp post light. Please read these instructions thoroughly before use and retain them for future reference.

## Package Contents

- 1 x Kemeco Double-Head Solar Lamp Post Light (Model ST4311AB1-2)
- 6 x Rechargeable Ni-MH AA 1.2V 2300mAh Batteries (3 per lamp head)
- 1 x User Guide Manual
- Assembly Hardware (Screws, Nuts)




**Figure 1:** Exploded view of the Kemeco ST4311AB1-2 solar lamp post light showing the head, top post, middle post, bottom post, screws, and base.

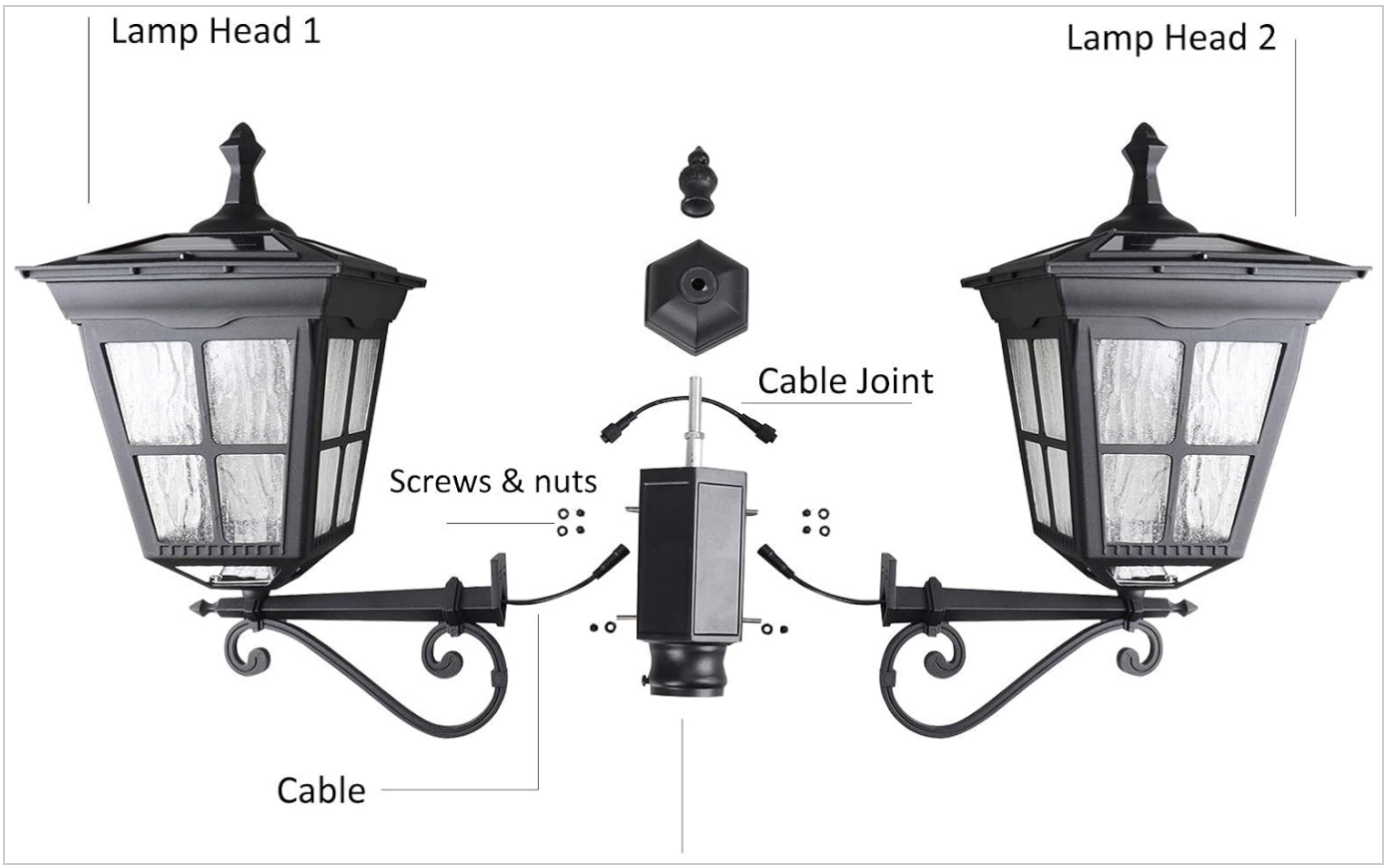



**Figure 2:** Detailed view of the lamp heads, cable joint, screws, nuts, and connecting cables for assembly.

## Setup and Installation

### 1. Site Selection

- Choose a location that receives **full, direct sunlight** for at least 6 to 7 hours daily to ensure optimal charging and performance.
- Avoid areas shaded by trees, buildings, or other obstructions.
- The light is designed for outdoor use in areas such as yards, gardens, patios, walkways, and driveways.

### 2. Initial Charging

- Before first use, ensure the ON/OFF switches on both lamp heads are in the **OFF** position.
- Place the lamp heads in direct sunlight for a full **24 hours** to allow the batteries to fully charge.

### 3. Assembly

The Kemeco solar lamp post light features a wiring-free design for easy assembly. Refer to Figure 1 and Figure 2 for component identification.

1. Carefully unpack all components and verify against the package contents list.
2. Connect the bottom post to the base using the provided screws.
3. Attach the middle post to the bottom post, followed by the top post.
4. Connect the lamp heads to the top post using the cable joint, screws, and nuts. Ensure all connections are secure.
5. The lamp post is constructed from cast aluminum with ice-layer glass. Handle with care during assembly.

### 4. Mounting

- Secure the assembled lamp post on a **cement floor or other solid, level surface**.
- **Do not install on lawns or soft ground**, as the unit is top-heavy and requires a stable foundation for safety and stability.

- Ensure the lamp post is upright and stable after installation.

## Operation

### Dusk to Dawn Functionality

1. After the initial 24-hour charge, locate the ON/OFF switches on both lamp heads.
2. Switch both lamp heads to the **ON** position.
3. The integrated solar panels will automatically charge the batteries during the day.
4. At dusk, the light will automatically turn on.
5. At dawn, the light will automatically turn off.

Each lamp head is equipped with 12 SMD LEDs, providing a total brightness of 400 lumens (200 lumens per head) with a warm white light (3000 Kelvin).




**Figure 3:** Illustration of the automatic dusk-to-dawn operation, with solar charging during the day and illumination at night.

### Performance Notes

- The duration of illumination (typically 8 to 10 hours) depends on geographical location, weather conditions, and seasonal sunlight availability.
- Extreme cold weather can significantly impact battery capacity and light duration.

## Maintenance

### Cleaning

- Regularly wipe the top solar panels with a soft, damp cloth to remove dust, dirt, and debris. This ensures efficient solar charging.
- Clean the glass panels as needed to maintain light output.
- Avoid using abrasive cleaners or solvents, which can damage the finish or solar panels.

### Battery Replacement

- The rechargeable Ni-MH AA 1.2V 2300mAh batteries have a lifespan of approximately 2 years.
- If the light duration significantly decreases or the brightness becomes dim, it may be time to replace the batteries.
- To replace, carefully open the lamp head compartment, remove the old batteries, and insert new rechargeable Ni-MH AA 1.2V 2300mAh batteries, observing correct polarity.
- Dispose of old batteries according to local regulations.

### Weather Resistance

The lamp post light has an IP65 waterproof rating, providing resistance against dust and water jets. This ensures durability and minimal maintenance in various weather conditions.




**Figure 4:** The Kemeco solar lamp post light is designed to function reliably in various weather conditions, including snow.

## Troubleshooting

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Light does not turn on at night. | • ON/OFF switch is in the OFF position.<br>• Insufficient solar charge due to poor sunlight exposure or dirty solar panels.<br>• Batteries are depleted or faulty. | • Ensure both ON/OFF switches are in the **ON** position.<br>• Relocate the lamp to an area with full, direct sunlight. Clean solar panels regularly.<br>• Allow 24 hours of direct sunlight charging. If problem persists, replace rechargeable batteries. |

| Problem | Possible Cause | Solution |
| --- | --- | --- |
| Light duration is short or dim. | • Insufficient solar charge.<br>• Batteries are old or not holding a charge effectively.<br>• Extreme cold weather affecting battery performance. | • Ensure optimal sunlight exposure and clean solar panels.<br>• Replace the rechargeable Ni-MH AA 1.2V 2300mAh batteries.<br>• Performance may be reduced in very cold temperatures; this is normal for solar products. |
| Physical damage (e.g., broken glass). | • Impact during shipping or installation. | • Contact Kemeco customer service for assistance. |

## Specifications

| | |
| --- | --- |
| **Model Number** | ST4311AB1-2 |
| **Dimensions (H x L x W)** | 95 x 26.7 x 8.8 inches (241 x 68 x 22.3 cm) |
| **Color** | Black |
| **Material** | Cast Aluminum, Glass |
| **Light Source** | LED (12 SMD LEDs per head) |
| **Light Color** | Warm White (3000 Kelvin) |
| **Brightness** | 400 Lumens (Total) |
| **Power Source** | Solar Powered |
| **Solar Cells** | Monocrystalline |
| **Batteries** | 6 x Ni-MH AA 1.2V 2300mAh (3 per lamp head) |
| **Water Resistance Rating** | IP65 |
| **Voltage** | 3.8 Volts |
| **Wattage** | 3 Watts |
| **Item Weight** | 19.36 pounds |

## Warranty Information

This Kemeco product is covered by a **three-year warranty** from the date of purchase. This warranty excludes the rechargeable batteries, which are consumable items. Should a defect occur within the warranty period, please contact Kemeco customer service for assistance.

## Customer Support

For any questions, technical assistance, or issues with your Kemeco solar lamp post light, please contact our customer support team. We are committed to providing prompt and helpful service.
Contact information can typically be found on the product packaging or through the retailer's customer service portal where the product was purchased.

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