

MEIKEE AC-TYR032-2700K

MEIKEE Solar Light Instruction Manual

Model: AC-TYR032-2700K

1. INTRODUCTION

Thank you for purchasing the MEIKEE Solar Light, Model AC-TYR032-2700K. This manual provides detailed instructions for the safe and efficient installation, operation, and maintenance of your solar light. Please read this manual thoroughly before use and retain it for future reference.

2. PRODUCT OVERVIEW

The MEIKEE Solar Light is a versatile lighting solution designed for both outdoor and indoor use. It features a high-efficiency solar panel, a powerful 5000 mAh battery, 76 super bright LEDs, and multiple operating modes controlled by an intelligent remote. Its adjustable color temperature and motion sensor capabilities make it suitable for various applications.

Key Features:

- **Dual Charging Methods:** Solar panel charging and USB-C charging for continuous power.
- **Adjustable Color Temperature:** Offers Warm White (2500K), Natural White (4000K), and Cool White (6500K) options.
- **Multiple Detection Modes:** Three distinct motion detection modes for varied lighting needs.
- **Light Control & Forced Lighting:** Automatic dusk-to-dawn operation and timed lighting options.
- **Intelligent Remote Control:** Omnidirectional 360-degree remote with a 12m range for easy mode, brightness, and color temperature adjustments.
- **Wide Beam Angle:** 270° beam angle with 4 adjustable light sheets for broad illumination.
- **Durable Design:** IP54 protection class for outdoor resilience.
- **Long Extension Cable:** 5m cable for flexible solar panel placement.

Product Components:

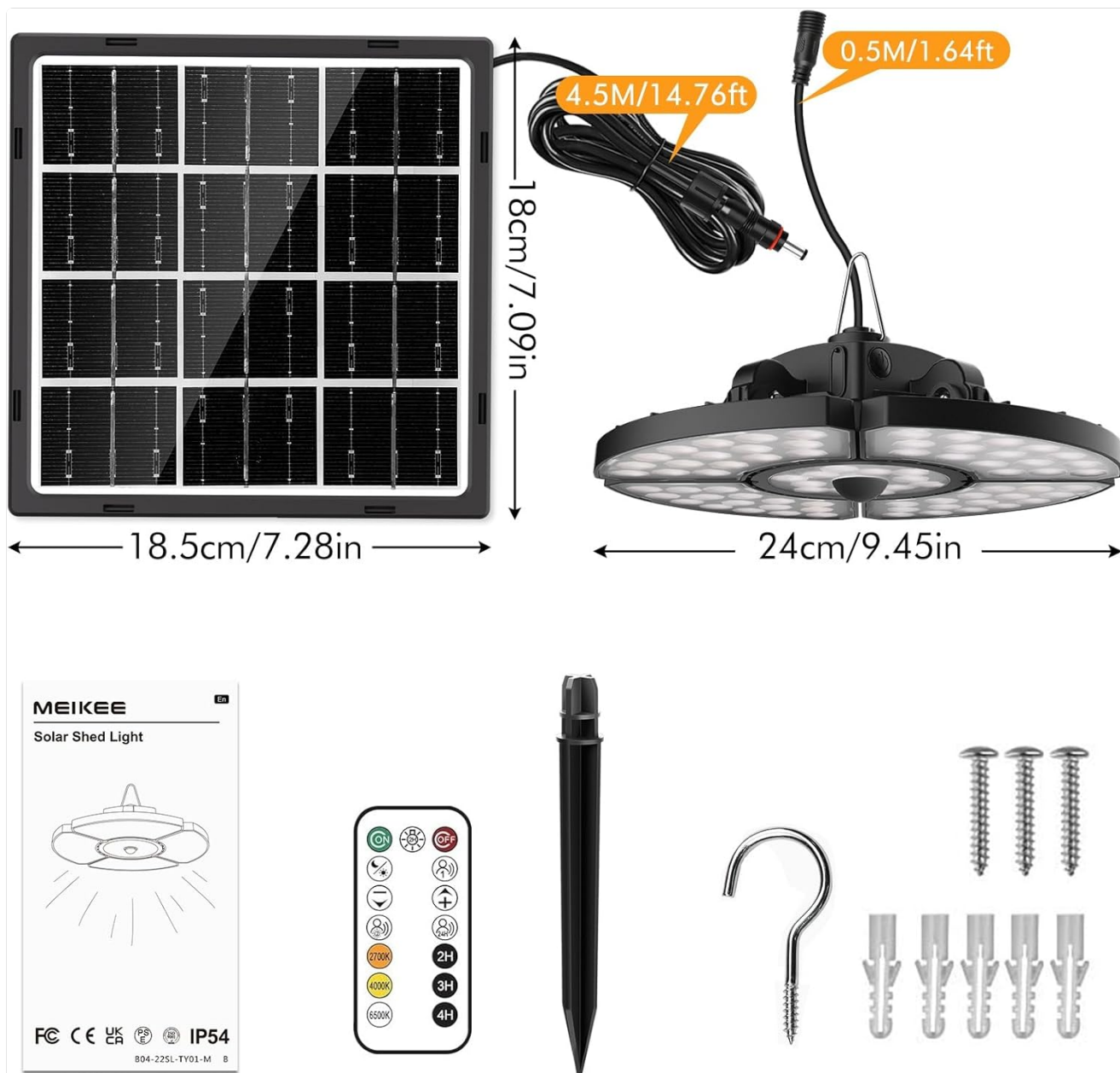


Image: Overview of the MEIKEE Solar Light components, including the solar panel, light fixture, remote control, and mounting accessories. Dimensions are also indicated.

- Solar Spotlight (Main Light Fixture)
- Solar Panel with 5m Extension Cable
- Remote Control
- Accessory Pack (Screws, Wall Plugs, Ground Stake, Hook)
- User Manual

3. TECHNICAL SPECIFICATIONS

Model Number	AC-TYR032-2700K
Solar Panel	6 V / 4 W
Battery Capacity	5000 mAh
Charging Time (Solar)	6-8 hours (full sunlight)
Discharge Time (Full Energy)	6-12 hours

LEDs	76 Super Bright LEDs
Beam Angle	270°
Color Temperature	2500K (Warm White), 4000K (Natural White), 6500K (Cool White)
Protection Class	IP54
Extension Cable Length	5 meters
Operating Temperature	-25°C to +40°C
Product Dimensions (Light)	24L x 24W x 8H cm
Product Weight	1.24 kg
Material	Aluminium, Polycarbonate

4. SAFETY INSTRUCTIONS

Please observe the following safety precautions to prevent injury or damage to the product:

- Do not look directly into the LED light when it is illuminated, as this may cause eye strain or damage.
- Ensure the solar panel is installed in a location that receives direct sunlight for most of the day to maximize charging efficiency.
- Keep the product away from open flames or high temperatures to prevent battery damage or explosion.
- Do not attempt to disassemble, repair, or modify the product. Contact qualified personnel for service.
- Keep out of reach of children.
- Dispose of the product and its battery responsibly according to local regulations.
- Ensure all connections are secure and waterproof, especially for outdoor installations.

5. INSTALLATION GUIDE

The MEIKEE Solar Light is designed for easy installation. The 5-meter extension cable allows for flexible placement of the solar panel and the light fixture.

Choosing an Installation Location:

- **Solar Panel:** Select a location that receives at least 6-8 hours of direct sunlight daily. Avoid shaded areas from trees, buildings, or other obstructions.
- **Light Fixture:** The light can be hung in sheds, gazebos, porches, garages, barns, chicken coops, storage rooms, carports, basements, backyards, gardens, or any other desired location. Ensure it is protected from direct heavy rain if installed indoors or in a semi-enclosed space.

Mounting Steps:

1. **Prepare Tools:** You will need a drill, screwdriver, and pencil.
2. **Mount the Solar Panel:**
 - Position the solar panel in your chosen sunny location.
 - Mark the drilling points using the solar panel bracket as a template.
 - Drill holes, insert wall plugs (if mounting on masonry), and secure the solar panel bracket with screws.
 - Adjust the angle of the solar panel to face the sun directly for optimal charging.

3. Mount the Light Fixture:

- Choose a suitable spot for the light fixture.
- Use the provided hook or screws to hang or mount the light.
- Ensure the light is securely fastened.

4. Connect the Solar Panel to the Light:

- Connect the 5-meter extension cable from the solar panel to the input port on the light fixture.
- Ensure the connection is firm and the waterproof interface is properly sealed.



Image: Illustrates the separate design of the solar panel and light, highlighting solar charging and the USB charging port on the light fixture.

After installation, allow the solar panel to charge the light for at least 6-8 hours in direct sunlight before first use.

6. OPERATION

Your MEIKEE Solar Light can be operated and customized using the included remote control.

6.1 Charging the Light

- **Solar Charging:** The primary charging method. Ensure the solar panel is exposed to direct sunlight. The light will automatically charge during the day.
- **USB-C Charging:** In periods of low sunlight or extended indoor use, the light can be charged via a USB-C cable (not included). Connect a standard USB-C charger to the charging port on the light fixture.

6.2 Remote Control Functions



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wasserdichte Schnittstelle



90 Grad drehbare Lichter

Maximale Reichweite der Fernbedienung: 12 m



Image: Depicts the omnidirectional remote control and its effective range of up to 12 meters.

The remote control allows you to switch modes, adjust brightness, and change color temperature from a distance of up to 12 meters.

- **Power On/Off:** Press the **ON/OFF** button.
- **Mode Selection:** Use the dedicated mode buttons (Mode 1, Mode 2, Mode 3, Light Control Mode, Forced Lighting 2H Mode) to cycle through lighting behaviors.
- **Brightness Adjustment:** Use the **+** and **-** buttons to increase or decrease light intensity.
- **Color Temperature Adjustment:** Use the **2500K** (Warm White), **4000K** (Natural White), and **6500K** (Cool White) buttons to select your desired light color.

- **Timer Function:** Set the light to turn off automatically after 2H, 3H, or 4H using the respective timer buttons.

6.3 Lighting Modes

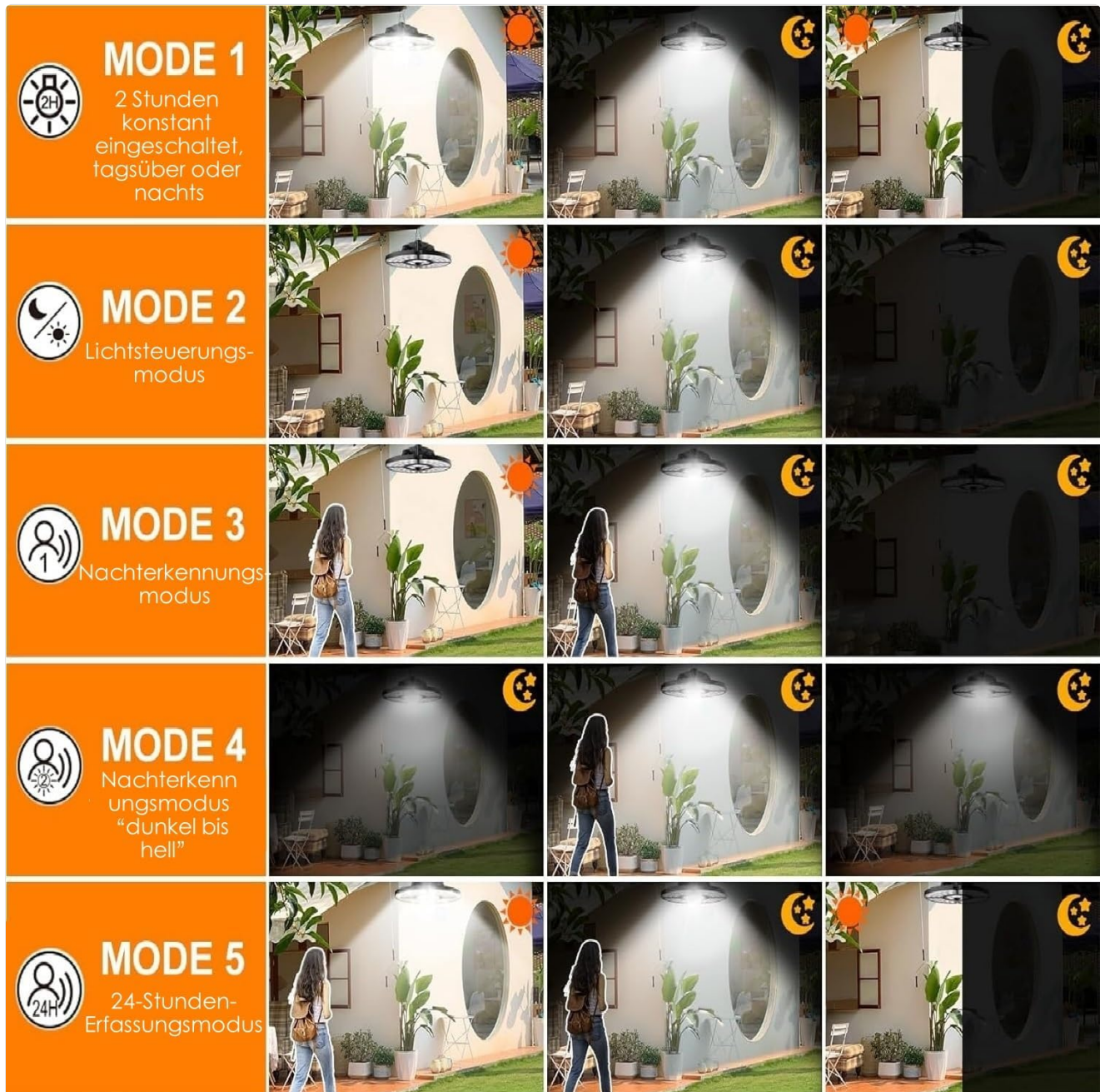


Image: Visual representation of the five distinct operating modes, showing light behavior during day and night, with and without motion detection.

1. **Mode 1 (Motion Detection - Full Brightness):** At night, the light turns on at 100% brightness for 30 seconds when motion is detected, then turns off when motion ceases.
2. **Mode 2 (Motion Detection - Dim to Bright):** At night, the light stays at 30% brightness. When motion is detected, it brightens to 100% for 30 seconds, then returns to 30% brightness.
3. **Mode 3 (24-Hour Motion Detection):** The light operates similarly to Mode 1 but detects motion and illuminates at 100% brightness for 30 seconds at any time of day or night.
4. **Light Control Mode:** Automatically turns on at 50% brightness at dusk and turns off at dawn.
5. **Forced Lighting 2H Mode:** The light stays on at 85% brightness for 2 hours, regardless of day or night.

6.4 Color Temperature Settings

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Image: Demonstrates the three available color temperatures: Warm Light (2700K), Natural Light (4000K), and Cold Light (6500K), as seen in a gazebo setting.

The MEIKEE Solar Light offers three distinct color temperatures to suit different preferences and environments:

- **Warm White (2500K):** Provides a cozy, inviting ambiance.
- **Natural White (4000K):** A balanced, neutral light suitable for general illumination.
- **Cool White (6500K):** Bright, crisp light ideal for task lighting or enhanced visibility.

Select the desired color temperature using the corresponding buttons on the remote control.

7. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your MEIKEE Solar Light.

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, leaves, or snow. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Check Connections:** Ensure all cable connections, especially the waterproof interface between the solar panel and the light, remain secure and free from corrosion.
- **Inspect for Damage:** Regularly check the light fixture, solar panel, and cables for any signs of physical

damage. If damage is found, discontinue use and contact customer support.

- **Battery Care:** While the battery is designed for longevity, extreme temperatures can affect its performance. Avoid prolonged exposure to temperatures outside the recommended operating range (-25°C to +40°C).

8. TROUBLESHOOTING

If you encounter issues with your MEIKEE Solar Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	<ul style="list-style-type: none">◦ Insufficient solar panel charging.◦ Solar panel is dirty or obstructed.◦ Battery is depleted.◦ Light control mode not selected or faulty.	<ul style="list-style-type: none">◦ Ensure solar panel is in direct sunlight for 6-8 hours.◦ Clean the solar panel surface.◦ Charge via USB-C if solar charging is consistently insufficient.◦ Verify the selected operating mode using the remote control.
Light duration is shorter than expected.	<ul style="list-style-type: none">◦ Insufficient charging due to weather or panel placement.◦ Battery capacity degradation over time.◦ High brightness setting consuming more power.	<ul style="list-style-type: none">◦ Optimize solar panel placement and ensure it's clean.◦ Consider USB-C charging during prolonged cloudy periods.◦ Reduce brightness setting or select a mode with lower power consumption.
Motion sensor is not working.	<ul style="list-style-type: none">◦ Incorrect mode selected.◦ Sensor obstructed or dirty.◦ Sensor range exceeded.	<ul style="list-style-type: none">◦ Ensure Mode 1, 2, or 3 is selected via the remote.◦ Clean the sensor lens and ensure no obstructions.◦ Test within the specified detection range.
Remote control is unresponsive.	<ul style="list-style-type: none">◦ Remote battery is dead.◦ Obstruction between remote and light.◦ Out of range.	<ul style="list-style-type: none">◦ Replace the remote control battery.◦ Ensure a clear line of sight or move closer to the light.◦ Operate within the 12m range.

9. WARRANTY AND CUSTOMER SUPPORT

MEIKEE products are manufactured to high-quality standards. For warranty information, please refer to the warranty card included with your product or contact MEIKEE customer support.

If you have any questions, require technical assistance, or experience issues not covered in this manual, please contact MEIKEE customer support through the retailer where you purchased the product or visit the official MEIKEE website for contact information.

Please have your model number (AC-TYR032-2700K) and purchase date ready when contacting support.

