

## CLY CLY-30W-2600LM-Solar-Projector

# CLY 30W 2600LM Solar Outdoor Projector Light User Manual

Model: CLY-30W-2600LM-Solar-Projector

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your CLY 30W 2600LM Solar Outdoor Projector Light. This product is designed for outdoor use, featuring a high-capacity battery, multiple lighting modes, and robust weather resistance. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

## PRODUCT FEATURES

- **5000mAh Battery & Efficient Solar Panel:** Features a split design with a 5-meter cable, allowing optimal placement of the solar panel for maximum sunlight absorption. The 25% conversion rate solar panel charges the 5000mAh battery in 8-10 hours, providing 8-20 hours of illumination.
- **Adjustable Color Temperature & Brightness:** Offers three color temperatures (Cool White 6500K, Natural White 4000K, Warm White 2700K) with stepless adjustment. Three brightness levels are available: High (8 hours), Medium (12 hours), and Low (20 hours).
- **Two Dynamic Lighting Modes:** Includes SMOOTH mode (gradual transition from 2700K to 6500K) and FLASH mode (current color temperature strobe), both with adjustable speed, ideal for creating various atmospheres.
- **Timer Functionality:** Features a forced lighting mode that keeps the light on for 2 hours regardless of day or night. Additionally, 2H/4H/6H timer options allow automatic shutdown at night.
- **IP66 Waterproof & Durable:** Certified IP66 waterproof, resistant to water, heat, and cold. Constructed with high-quality materials and designed for efficient heat dissipation, ensuring a lifespan of up to 50,000 hours.
- **Smart Indicators & 360° Remote Control:** Equipped with power, brightness, charging, and battery level indicators. The 360° remote control has a 12-meter range for easy mode changes.
- **Versatile Installation:** Can be wall-mounted with provided screws or inserted into the ground using a stake, suitable for garages, porches, gardens, pathways, and more.

## PACKAGE CONTENTS

Please check the package for the following items:

- CLY 30W Solar Projector Light unit
- Solar Panel with 5-meter cable
- Remote Control
- Mounting Hardware (screws, wall plugs, ground stake)
- User Manual (this document)

## SETUP AND INSTALLATION

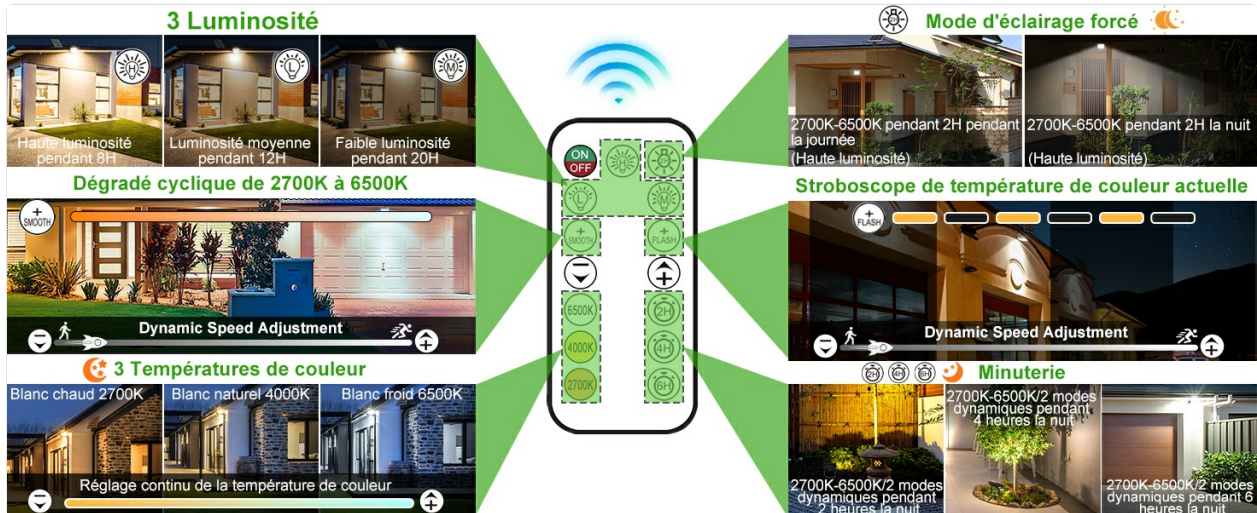
The CLY Solar Projector Light offers two primary installation methods: wall mounting or ground insertion.

### 1. Solar Panel Placement

The solar panel should be installed in a location that receives direct sunlight for 8-10 hours daily to ensure optimal charging. The 5-meter cable allows for flexible placement away from the light unit itself.



**Image Description:** This image illustrates the split design of the solar projector, showing the solar panel and the light unit with their respective dimensions. A 5-meter cable connects the two components, highlighting the charging process from the sun to the 5000mAh battery. It also shows the ON/OFF button and brightness adjustment on the light unit.



**Image Description:** This diagram visually explains the solar light's operation: the solar panel charges the 5000mAh battery during the day (8-10 hours), and the light automatically illuminates at night (8-20 hours). It also indicates a memory function, where the light resumes the last set mode upon activation.

## 2. Wall Mounting

1. Choose a suitable wall location for the light unit, ideally 2-4 meters (6.56-13.12 feet) high for optimal beam angle (60°).
2. Mark the drilling points using the light unit's bracket as a template.
3. Drill holes and insert wall plugs.
4. Secure the light unit to the wall using the provided screws.
5. Connect the solar panel cable to the light unit.

## 3. Ground Insertion

1. Attach the ground stake to the light unit.
2. Select a soft ground area in your garden or pathway.
3. Insert the stake firmly into the ground.
4. Adjust the angle of the light unit to illuminate the desired area.
5. Connect the solar panel cable to the light unit.





**Image Description:** This image demonstrates the two versatile installation options for the CLY solar light: mounting it on a wall, suitable for areas like garages or porches, and inserting it into the ground, ideal for illuminating gardens, trees, or pathways.

## OPERATING INSTRUCTIONS

---

The CLY Solar Projector Light can be operated using the integrated buttons on the light unit or the included 360° remote control.

### Remote Control Functions



**Image Description:** This image displays the remote control for the CLY solar light, with various buttons clearly labeled. Functions include ON/OFF, brightness adjustment (High, Medium, Low), color temperature selection (2700K, 4000K, 6500K), dynamic modes (SMOOTH, FLASH), and timer settings (2H, 4H, 6H).

- **ON/OFF:** Powers the light on or off.
- **Brightness Adjustment:** Select between High, Medium, or Low brightness levels.
  - High Brightness: Approximately 8 hours of illumination.
  - Medium Brightness: Approximately 12 hours of illumination.
  - Low Brightness: Approximately 20 hours of illumination.

- **Color Temperature Selection:** Choose between Warm White (2700K), Natural White (4000K), or Cool White (6500K). Use the +/- buttons for stepless color temperature adjustment.
- **Dynamic Modes:**
  - **SMOOTH:** Gradually cycles through color temperatures from 2700K to 6500K.
  - **FLASH:** The current selected color temperature will strobe.

Use the +/- buttons to adjust the speed of dynamic modes.

- **Timer Function:**
  - **Forced Lighting (2H button):** Activates the light for 2 hours, regardless of ambient light conditions (day or night).
  - **Night Timer (2H/4H/6H buttons):** Sets the light to automatically turn off after 2, 4, or 6 hours of operation at night.

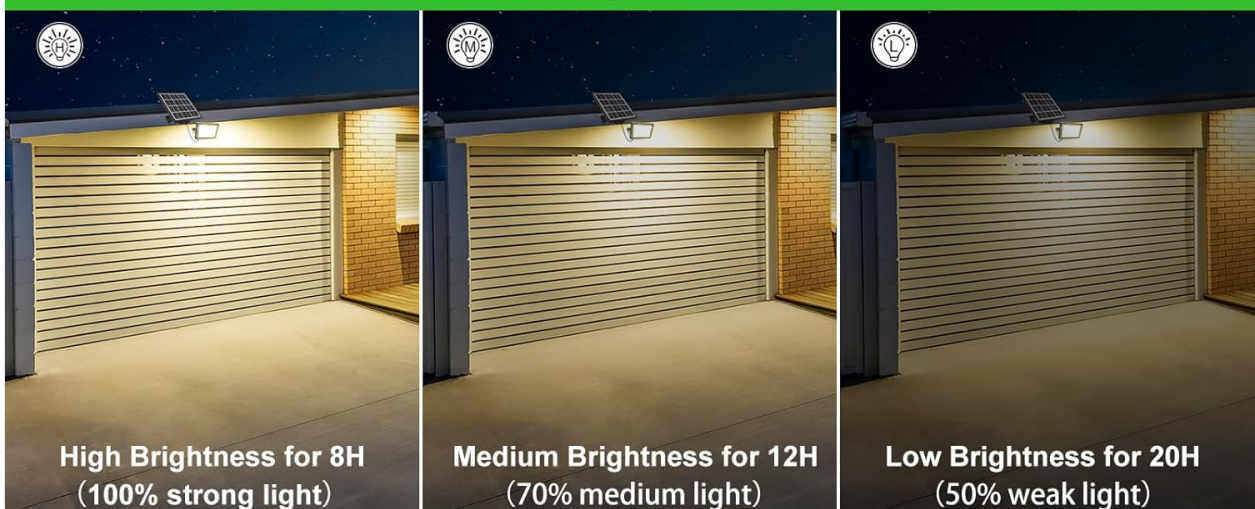
## 3 Color Temperatures



## Stepless Color Temperature Adjustment



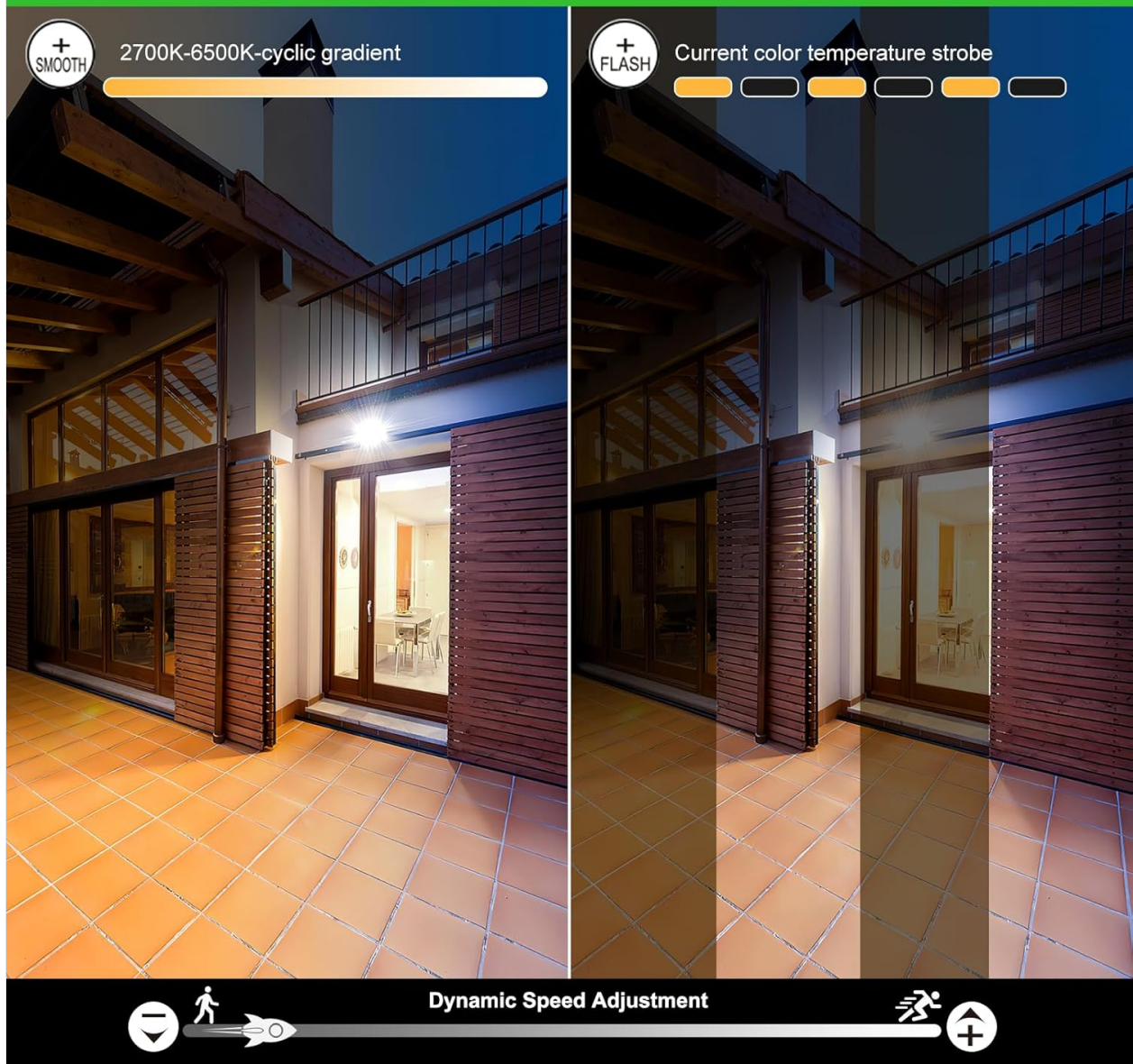
## 3 Brightness



**Image Description:** This visual guide showcases the three available color temperatures: Warm White (2700K), Natural White (4000K), and Cool White (6500K), demonstrating their appearance in an outdoor setting. Below, it illustrates the three brightness levels (High, Medium, Low) and their corresponding illumination durations (8H, 12H, 20H).



## 2 Dynamic Modes



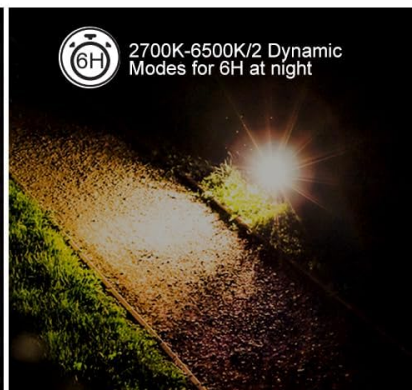
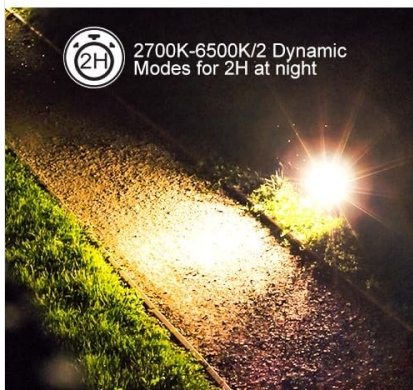
**Image Description:** This image illustrates the two dynamic lighting modes: SMOOTH, which shows a gradual cyclic gradient of color temperatures from 2700K to 6500K, and FLASH, which depicts a strobing effect of the current color temperature. Both modes offer dynamic speed adjustment.





## Timing

At night, turn on 2H/3H/4H

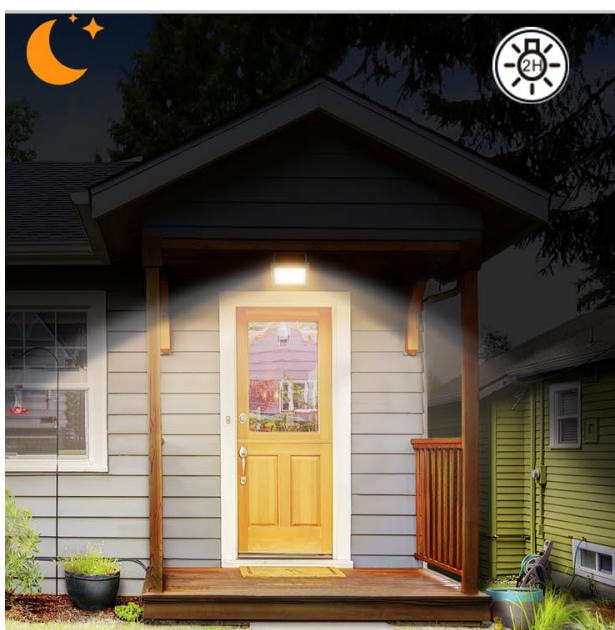


## Forced lighting

Whether it is day or night, the light will be on for 2 hours



2700K-6500K for 2H in daytime



2700K-6500K for 2H at night

**Image Description:** This image demonstrates the timer functions, showing the light automatically turning off after 2, 4, or 6 hours at night. It also illustrates the forced lighting mode, where the light can be activated for 2 hours during the day or night.

## Indicator Lights



**Image Description:** This diagram highlights the smart indicator lights on the CLY solar projector. It details the working indicator (green for normal power), brightness indicator (green for low, yellow for medium, red for high), charging indicator (red

when charging), and battery indicator (30%-70%-100% levels).

- **Working Indicator:** A green light indicates normal power supply.
- **Brightness Indicator:** Green for low brightness, yellow for medium, red for high.
- **Charging Indicator:** A red light indicates the solar panel is actively charging.
- **Battery Indicator:** Shows battery levels at 30%, 70%, and 100%.

## MAINTENANCE

---

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

- **Solar Panel Cleaning:** Regularly wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures maximum sunlight absorption and charging efficiency.
- **Light Unit Cleaning:** Clean the light unit's surface and lens periodically to maintain optimal light output.
- **Battery Care:** The integrated lithium-polymer battery is designed for long life. Avoid prolonged storage in a completely discharged state. If storing for an extended period, ensure the battery is partially charged.
- **Weather Resistance:** The IP66 rating ensures resistance to water, heat, and cold. However, avoid submerging the unit in water or exposing it to extreme physical impact.





## IP66 Usable for All Weather



**Image Description:** This image illustrates the IP66 waterproof rating of the CLY solar light, showing it functioning effectively under heavy rain. It also highlights its resistance to extreme temperatures, indicating usability in both hot and cold weather conditions, such as summer and winter.

## TROUBLESHOOTING

If you encounter issues with your CLY Solar Projector Light, please 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"> <li>Insufficient solar panel charging.</li> <li>ON/OFF switch is off.</li> <li>Battery is depleted.</li> </ul>	<ul style="list-style-type: none"> <li>Ensure solar panel is in direct sunlight for 8-10 hours. Clean the panel.</li> <li>Press the ON button on the remote or light unit.</li> <li>Allow the light to charge for a full day in direct sunlight.</li> </ul>

Problem	Possible Cause	Solution
Light duration is shorter than expected.	<ul style="list-style-type: none"><li>◦ Insufficient charging due to cloudy weather or obstruction.</li><li>◦ Light set to high brightness mode.</li></ul>	<ul style="list-style-type: none"><li>◦ Relocate solar panel or clean it.</li><li>◦ Switch to medium or low brightness mode for longer illumination.</li></ul>
Remote control not working.	<ul style="list-style-type: none"><li>◦ Remote battery is low or depleted.</li><li>◦ Obstruction between remote and light unit.</li></ul>	<ul style="list-style-type: none"><li>◦ Replace remote control battery.</li><li>◦ Ensure clear line of sight within 12 meters.</li></ul>

## SPECIFICATIONS

Brand	CLY
Model	CLY-30W-2600LM-Solar-Projector
Power	30 Watts
Luminous Flux	2600 Lumens
Battery	1 Lithium-polymer, 5000mAh
Solar Panel Conversion Rate	25%
Color Temperatures	2700K (Warm White), 4000K (Natural White), 6500K (Cool White)
Waterproof Rating	IP66
Material	Acrylonitrile Butadiene Styrene (ABS)
Product Dimensions	18 x 5 x 23 cm
Item Weight	1 Kilogram
Remote Control Range	12 meters, 360°
Mounting Type	Wall Mount, Ground Stake
Lifespan	Up to 50,000 hours

## WARRANTY AND SUPPORT






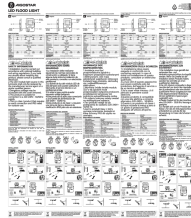
CLY is committed to providing high-quality products and customer satisfaction.

- **Warranty:** We provide a 2-year replacement service for our product.
- **Returns and Exchanges:** You can contact us via Amazon or our service email (if provided in the product packaging/manual) for returns or exchanges. We aim to respond within 24 hours.
- **Recycling:** For information on recycling light bulbs, please refer to local recycling guidelines.



For further assistance, please contact CLY customer support.

## Related Documents - CLY-30W-2600LM-Solar-Projector

	<p><a href="#">CLY 30W Solar LED Floodlight with Motion Sensor - B04-21PFL0304-C-D   Outdoor IP66 Lighting</a></p> <p>Discover the CLY 30W Solar LED Floodlight (Model B04-21PFL0304-C-D). This IP66 waterproof outdoor light features a 2600LM output, motion sensor, and adjustable color temperature for versatile security and area lighting.</p>
	<p><a href="#">CLY LED Floodlights and Spotlights - Product Overview and Specifications</a></p> <p>Comprehensive overview of CLY LED floodlights and spotlights, including technical specifications, features, and installation guidance. Featuring durable, high-lumen lighting solutions for outdoor and industrial applications.</p>
	<p><a href="#">CLY High Voltage Remote Control Induction Floodlight Manual</a></p> <p>This document provides instructions and specifications for the CLY High Voltage Remote Control Induction Floodlight, model B04-23RFLB-C-A. It covers installation, operation, and technical details for various models.</p>
	<p><a href="#">CLY 30W Solar LED Floodlight with Motion Sensor - B04-21PFL0304-C-D   Outdoor IP66 Lighting</a></p> <p>Discover the CLY 30W Solar LED Floodlight (Model B04-21PFL0304-C-D). This IP66 waterproof outdoor light features a 2600LM output, motion sensor, and adjustable color temperature for versatile security and area lighting.</p>
	<p><a href="#">Alto LED Street Light - Technical Specifications and Product Information</a></p> <p>Detailed specifications, features, and product codes for the Alto LED Street Light series, including warranty information and technical data for various wattages and color temperatures.</p>
	<p><a href="#">Aigostar LED Flood Light User Manual and Specifications</a></p> <p>Comprehensive guide for Aigostar LED Flood Lights, including safety instructions, technical specifications, and installation procedures for outdoor lighting.</p>