

Velamp IS340



Velamp IS340 Solar LED Projector with Motion Detector

User Manual

1. INTRODUCTION

Thank you for choosing the Velamp IS340 Solar LED Projector. This ready-to-use outdoor lighting solution features a 7W COB LED and an integrated motion detector, providing powerful illumination for enhanced security and convenience. Powered by a 1W amorphous solar panel and a Li-ion battery, it operates efficiently even in areas with less direct sunlight, requiring no electrical outlet for installation. This manual provides essential information for the safe and effective use of your projector.

2. SAFETY INSTRUCTIONS

- Read all instructions carefully before installation and use.
- Do not disassemble, modify, or attempt to repair the unit. This may void the warranty and pose safety risks.
- Ensure the solar panel is positioned to receive maximum direct sunlight for optimal charging.
- Keep the unit away from flammable materials and extreme temperatures.
- Do not stare directly into the LED light source, as it may cause eye damage.
- Dispose of the battery and product according to local regulations.
- This product is rated IP44, meaning it is protected against solid objects larger than 1mm and splashing water from any direction. It is not designed for submersion.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Velamp IS340 Solar LED Projector Unit
- 1 x Integrated Li-ion Battery
- Mounting Hardware (screws, wall plugs - typically included)
- User Manual (this document)

4. PRODUCT OVERVIEW

The Velamp IS340 combines a powerful LED light, an efficient solar panel, and a sensitive motion detector into a single, compact unit. Familiarize yourself with its main components:

- **LED COB Light:** The main light source, providing 7W of powerful illumination.
- **Solar Panel:** Integrated 1W amorphous panel for charging the internal Li-ion battery.
- **Motion Detector (PIR Sensor):** Detects movement within its range to activate the light.
- **Adjustment Knobs:** Controls for light duration, sensitivity, and light threshold.
- **Mounting Bracket:** For secure wall installation.



Image 1: Velamp IS340 Solar LED Projector. This image shows the overall design of the projector, including the solar panel on top and the LED light and motion sensor on the front.

5. INSTALLATION

The Velamp IS340 is designed for wall-mount installation. Follow these steps for optimal performance:

1. **Choose a Location:** Select a mounting location that receives maximum direct sunlight throughout the day for the solar panel. Avoid areas shaded by trees, buildings, or other obstructions. The motion sensor should have a clear, unobstructed view of the area you wish to monitor.
2. **Mark Drilling Points:** Hold the projector's mounting bracket against the desired wall surface and mark the positions for drilling.
3. **Drill Holes:** Use an appropriate drill bit to create holes at the marked positions. Insert wall plugs if mounting on masonry or concrete.
4. **Secure the Projector:** Align the mounting bracket with the drilled holes and secure the projector firmly to the wall using the provided screws.
5. **Adjust Angle:** Adjust the angle of the projector and the motion sensor to cover the desired area.

6. OPERATING INSTRUCTIONS

The Velamp IS340 features adjustable settings to customize its operation. These settings are typically controlled by three knobs located on the unit:

- **LUX (Light Threshold):** This knob determines the ambient light level at which the motion sensor becomes active.
 - Set to **SUN** (maximum) for the light to activate during both day and night when motion is detected.
 - Set to **MOON** (minimum) for the light to activate only in low-light conditions or at night when motion is detected.
- **TIME (Illumination Duration):** This knob sets how long the light remains on after motion is detected and stops.
 - Adjust from a few seconds (minimum) to several minutes (maximum) according to your preference.
- **SENS (Sensitivity):** This knob controls the detection range and sensitivity of the motion sensor.
 - Turn towards **MAX** for a wider detection range and higher sensitivity.
 - Turn towards **MIN** for a narrower detection range and lower sensitivity.

Initial Charge: Allow the projector to charge for at least 24-48 hours in direct sunlight before initial use to ensure the battery is fully charged.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your solar LED projector:

- **Clean Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, and debris. A clean panel ensures efficient charging.
- **Clean Motion Sensor:** Ensure the motion sensor lens is clean and free from obstructions to maintain accurate detection.
- **Check Mounting:** Periodically check that the projector is securely mounted and that all screws are tight.
- **Battery:** The integrated Li-ion battery is designed for long life. If the light performance significantly degrades over time, the battery may need replacement by a qualified technician, if user-serviceable.

8. TROUBLESHOOTING

If you encounter issues with your Velamp IS340, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar panel charging.	Ensure the solar panel is in direct sunlight for at least 6-8 hours daily. Clean the solar panel.
	LUX setting is too high (set to SUN).	Adjust the LUX knob towards MOON for night-only operation.
	Motion sensor not detecting.	Check SENS setting. Ensure no obstructions are blocking the sensor's view.
Light stays on continuously.	Motion sensor is continuously triggered.	Adjust SENS to a lower setting. Reposition the sensor to avoid constant triggers from moving objects (e.g., trees, traffic).
Light turns on during the day.	LUX setting is too low (set to MOON).	Adjust the LUX knob towards SUN.
Light is dim or flickers.	Low battery charge.	Allow the unit to charge in direct sunlight for a full day.

9. SPECIFICATIONS

Brand	Velamp
Model Number	IS340
Product Dimensions (L x W x H)	22.3 x 18 x 14 cm
Item Weight	1.16 Kilograms
Material	Plastic
Color	Black
Power Source	Solar Powered
Special Feature	Motion Detector
Bulb Type	LED (COB)
Number of Bulbs	1
Luminous Flux	960 lm

Wattage	7 Watts
Beam Angle	100 Degrees
IP Rating	IP44
Battery	1 Lithium-ion (included)
Installation Type	Wall Mount

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the retailer or the official Velamp website. Specific details regarding spare parts availability and software updates are not provided in the product data.

For further assistance, please contact Velamp customer service or your point of purchase.