OSRAM 4099854429439

OSRAM Endura Outdoor Solar LED Projector (Model 4099854429439) Instruction Manual

Comprehensive guide for installation, operation, and maintenance.

1. Introduction

Thank you for choosing the OSRAM Endura Outdoor Solar LED Projector. This solar-powered floodlight is designed for outdoor use, providing efficient illumination with its integrated PIR motion detector and daylight sensor. The external solar panel and 5-meter connection cable offer flexible installation options. This manual provides essential information for the safe and effective use of your product.

2. Safety Information

Please read all safety instructions carefully before installation and operation. Retain this manual for future reference.

2.1 Battery Safety Warning

- **Keep batteries out of reach of children.** Ingestion can lead to chemical burns, perforation of soft tissues, and death. Severe burns can occur within 2 hours of ingestion. Seek immediate medical attention.
- If the battery compartment (if applicable) does not close securely, discontinue use of the product and keep it away from children.
- If you suspect batteries may have been swallowed or placed inside any part of the body, seek immediate medical attention.

2.2 General Safety Guidelines

- **Maximum Ambient Temperature:** Do not operate the product in ambient temperatures exceeding +35 °C.
- **Operating Altitude:** This product is designed for operation at altitudes up to 2000 meters.
- **Battery Replacement:** Replacing a battery with an incorrect type may neutralize safety features (e.g., in the case of certain lithium battery types).
- **Battery Disposal:** Do not dispose of batteries in fire or a hot oven, or mechanically crush or cut a battery, as this may result in an explosion.

- Ensure all connections are secure and properly insulated during installation.
- Do not attempt to modify or disassemble the product. Refer all servicing to qualified personnel.

3. Package Contents

Verify that all components are present and undamaged upon unpacking.

- 1x OSRAM Endura Flood Split Solar Sensor 30W Projector
- 1x External Photovoltaic Solar Panel
- 1x Remote Control
- 1x 5-meter Connection Cable (connecting projector and solar panel)
- Mounting and connection accessories (screws, anchors, etc.)

Figure 3.1: Contents of the OSRAM Endura Outdoor Solar LED Projector package, showing the projector, solar panel, and remote control.

4. Product Overview

The OSRAM Endura Outdoor Solar LED Projector consists of a main LED floodlight unit and a separate

solar panel, connected by a 5-meter cable for flexible placement. It features an integrated PIR motion sensor and a daylight sensor for automatic operation.

Figure 4.1: Example installation of the OSRAM Endura Outdoor Solar LED Projector on a building, demonstrating its application in outdoor environments.

4.1 Key Components

- **LED Projector:** The main lighting unit with integrated PIR motion sensor and daylight sensor.
- **Solar Panel:** Collects solar energy to charge the internal battery. Designed for optimal sun exposure.
- **5m Connection Cable:** Allows for separate mounting of the projector and solar panel.
- **Remote Control:** For adjusting sensor settings, brightness, and manual operation.

5. Setup and Installation

The OSRAM Endura Outdoor Solar LED Projector is designed for straightforward installation. Ensure you have the necessary tools (drill, screwdriver, pencil, measuring tape) before beginning.

5.1 Choosing Installation Locations

- **Solar Panel:** Select a location that receives direct sunlight for the majority of the day to ensure optimal battery charging. Avoid shaded areas.
- **LED Projector:** Mount the projector in the desired area for illumination, such as building facades, garages, or garden sheds. Consider the detection range of the PIR sensor. The 5-meter cable allows for flexible placement of the projector away from the solar panel.

5.2 Mounting Steps

1. **Mark Drilling Points:** Use the mounting brackets of both the projector and the solar panel to mark the drilling points on the chosen surfaces.
2. **Drill Holes:** Drill holes at the marked points. Insert wall anchors if necessary.
3. **Mount Solar Panel:** Securely attach the solar panel bracket to the wall using the provided screws. Adjust the panel's angle for maximum sun exposure.

4. **Mount Projector:** Securely attach the projector bracket to the wall using the provided screws. Adjust the projector's angle to cover the desired area.
5. **Connect Cable:** Connect the 5-meter cable from the solar panel to the projector. Ensure a secure and weather-resistant connection.
6. **Initial Activation:** Locate the power button on the projector (often a small, recessed button) and press it to activate the unit. The light may perform a brief test sequence.

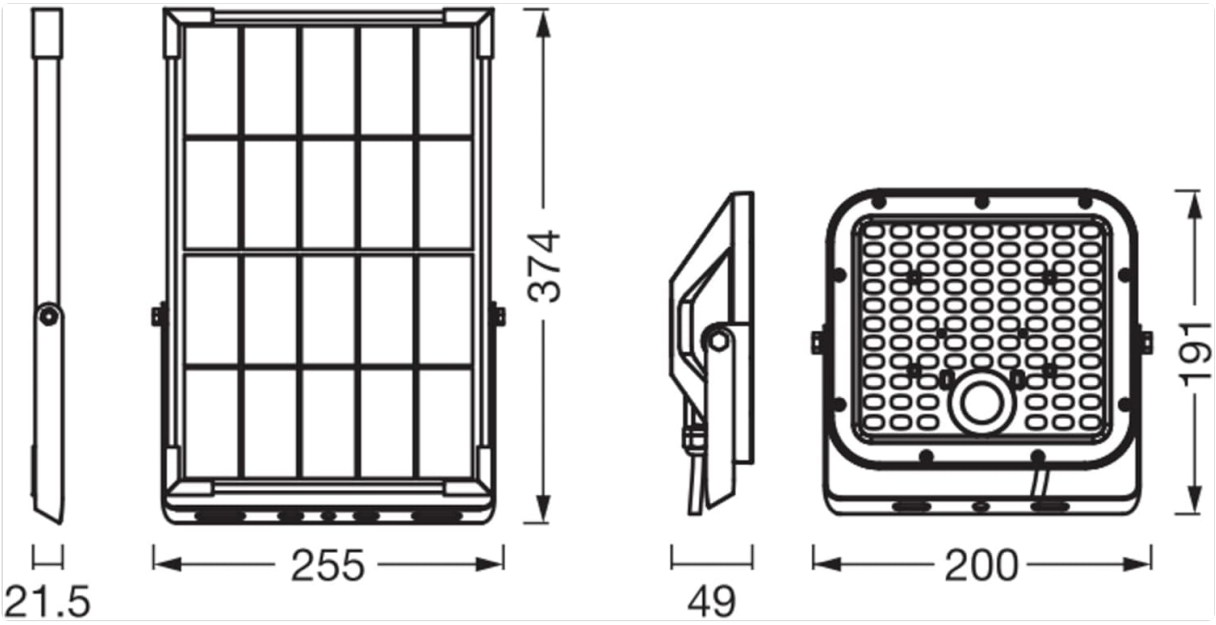

Figure 5.1: Dimensional drawing showing the measurements of the projector and solar panel for installation planning.

6. Operating Instructions

The OSRAM Endura Outdoor Solar LED Projector operates automatically based on its integrated sensors and can be further controlled using the provided remote.

6.1 Automatic Operation

- **Daylight Sensor:** The projector will not activate during daylight hours, conserving battery power. It will only become active when ambient light levels fall below a certain threshold.
- **PIR Motion Detector:** Once active (at night), the projector will automatically turn on when motion is detected within its range. It will remain on for a set duration (adjustable via remote) and then turn off if no further motion is detected.

6.2 Remote Control Functions

The remote control allows for advanced customization of the projector's operation. Ensure the remote is pointed directly at the projector for optimal response.

- **ON/OFF:** Manually turn the projector on or off.
- **TEST:** Activates a test mode for sensor functionality.
- **MODE:** Cycles through different operating modes (e.g., sensor mode, continuous light for a set duration).
- **TIME (3H, 5H, 8H):** Sets the duration for which the light stays on after motion detection or in continuous mode.
- **Brightness Control (+/-):** Adjusts the light intensity (dimmable).
- **Sensor Sensitivity:** Adjusts the sensitivity of the PIR motion detector.

Note: The remote control's effective range may be limited. Ensure direct line of sight to the projector.

7. Maintenance

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

- **Cleaning the Solar Panel:** Periodically 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.
- **Cleaning the Projector:** Clean the projector lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Battery:** The internal battery is designed for long-term use. Do not attempt to replace the battery yourself. Refer to qualified service personnel if battery issues arise.
- **Cable Inspection:** Periodically check the connection cable for any signs of wear, damage, or fraying. Ensure connections remain secure and waterproof.

8. Troubleshooting

If you encounter issues with your OSRAM Endura Outdoor Solar LED Projector, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Projector does not turn on at night.	◦ Insufficient solar panel charging. ◦ Daylight sensor still detecting light. ◦ Battery fully discharged. ◦ Projector is OFF or in an incorrect mode.	◦ Ensure solar panel is in direct sunlight and clean. Allow 1-2 days for full charge. ◦ Relocate the projector or solar panel if ambient light is interfering. ◦ Check the power button on the projector. Use the remote to set the correct mode.
Light stays on continuously or turns on during the day.	◦ Incorrect remote setting. ◦ Daylight sensor malfunction.	◦ Use the remote to select the sensor mode (PIR + daylight). ◦ Contact customer support if the issue persists.
Motion sensor not detecting movement.	◦ Sensor obstructed or dirty. ◦ Incorrect sensitivity setting. ◦ Object is outside detection range.	◦ Clean the sensor lens. ◦ Adjust sensor sensitivity using the remote control. ◦ Ensure the projector is positioned to cover the desired area.
Remote control not working.	◦ Remote battery depleted. ◦ No direct line of sight to the projector. ◦ Remote too far from the projector.	◦ Replace the remote control battery. ◦ Ensure direct line of sight and reduce distance to the projector.

9. Specifications

Technical details for the OSRAM Endura Outdoor Solar LED Projector (Model 4099854429439).

Brand	OSRAM
Model Number	4099854429439
Manufacturer	LEDVANCE
Product Dimensions (L x W x H)	20 x 4.9 x 19.1 cm
Item Weight	1.96 Kilograms
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	Black
Voltage	6 Volts
Wattage	30 Watts
Luminous Flux	4500 Lumens
Color Temperature	4000 Kelvin (Cool White)
Energy Efficiency Label	G
Special Feature	Energy-saving, Solar-powered, Motion Sensor
Ingress Protection (IP) Rating	IP65

10. Warranty and Support

OSRAM provides a **3-year warranty** for this product, as indicated on the packaging. For warranty claims or technical support, please contact your retailer or visit the official OSRAM/LEDVANCE website for customer service information.
Manufacturer: LEDVANCE
Website: www.ledvance.com (General information, check for specific support contacts for your region)