Luceco LEXSBR80G30-01

Luceco Solar Powered LED Outdoor Wall Light

MODEL: LEXSBR80G30-01

1. INTRODUCTION

Thank you for purchasing the Luceco Solar Powered LED Outdoor Wall Light. This product is designed to provide efficient and reliable outdoor illumination, featuring a built-in PIR motion sensor for enhanced security and convenience. Operating solely on solar energy, it offers an eco-friendly and cost-effective lighting solution for your home or workplace.

Image 1.1: Front view of the Luceco Solar Powered LED Outdoor Wall Light, showcasing its sleek, rectangular design and the integrated LED array with a central PIR sensor.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.

- Do not attempt to disassemble or modify the product. This may void the warranty and pose a safety risk.

- Ensure the mounting surface is stable and can support the weight of the light fixture.

- Keep the solar panel clean and free from obstructions to ensure optimal charging performance.

- This product is IP65 rated for outdoor use, meaning it is protected against dust ingress and low-pressure water jets. However, avoid submerging the unit in water.

- Dispose of the product responsibly at the end of its life, following local regulations for electronic waste.

3. PACKAGE CONTENTS

Please check the box for the following items:

- 1 x Luceco Solar Powered LED Outdoor Wall Light

- Mounting Screws and Wall Plugs (typically 2 sets)

- Instruction Manual (this document)

If any items are missing or damaged, please contact your retailer.

4. SETUP AND INSTALLATION

4.1 Choosing a Location

For optimal performance, select a location that receives direct sunlight for at least 6-8 hours per day. Avoid areas under eaves, trees, or other structures that may shade the solar panel. The light should be mounted at a height that allows the PIR sensor to effectively detect motion in the desired area (typically 2-3 meters from the ground).

Image 4.1: Close-up view of the high-quality solar panel integrated into the top surface of the light, emphasizing its role in effortless, wire-free installation.

4.2 Mounting Instructions

1. Mark the desired mounting points on the wall using the light fixture as a template.

2. Drill holes at the marked points. For masonry, use an appropriate drill bit and insert the wall plugs.

3. Align the light fixture with the drilled holes and secure it firmly using the provided screws.

4. Ensure the light is securely fastened and stable before leaving it.
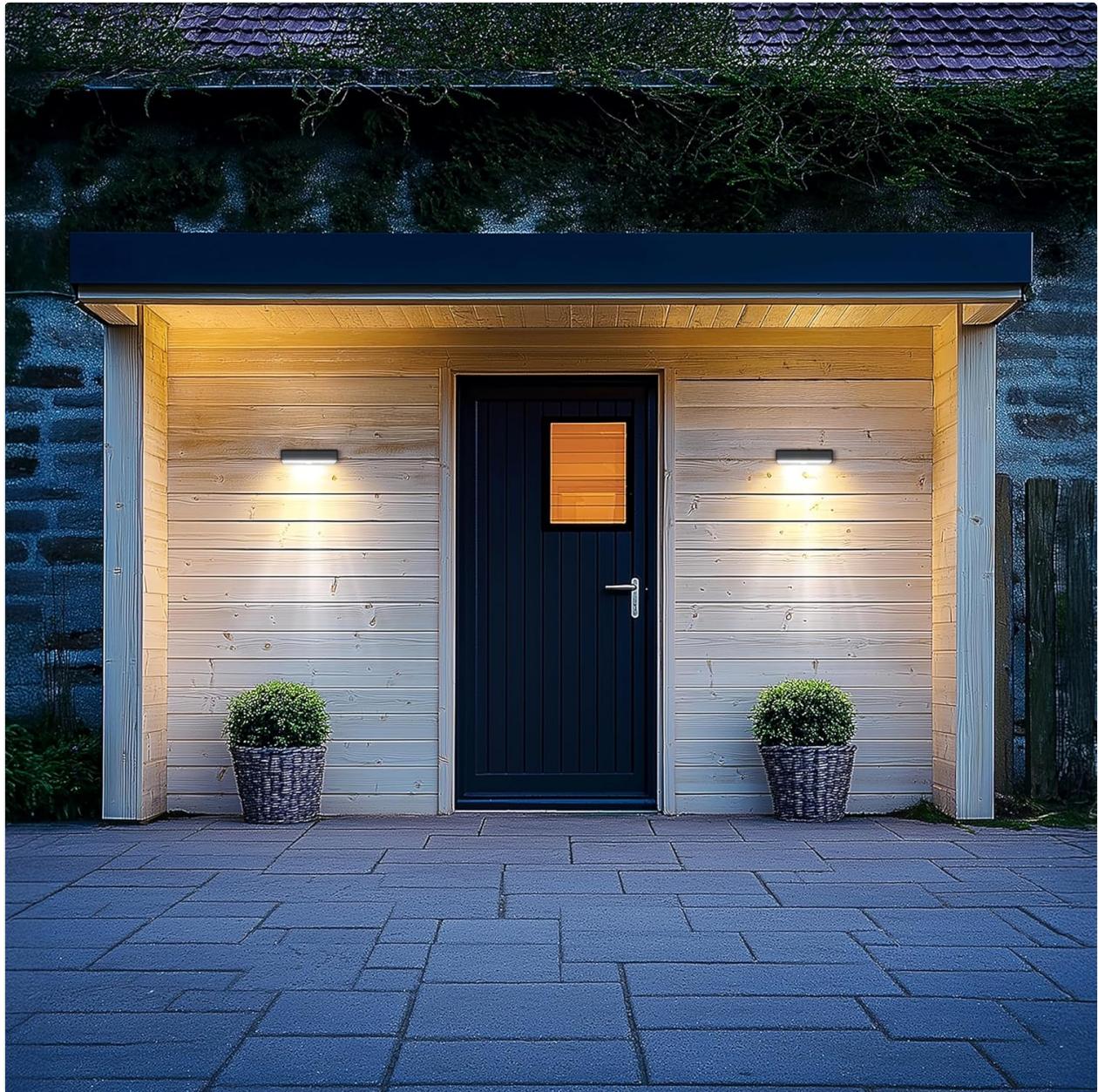
Image 4.2: The Luceco solar light mounted on a wooden exterior wall, demonstrating its discreet profile and effective downward illumination, ideal for porches or entryways.

Image 4.3: The light installed on a contemporary building facade, highlighting its modern aesthetic and how it blends seamlessly with architectural designs while providing functional lighting.

5. Operating Instructions

The Luceco Solar Wall Light features an integrated PIR (Passive Infrared) motion sensor and a photocell to manage its operation automatically.

5.1 Initial Operation

Upon first installation, allow the light to charge in direct sunlight for at least 8-10 hours. The light will automatically activate at dusk once sufficient charge is accumulated.

5.2 Lighting Modes

The light offers two distinct operating modes, selectable via a switch on the unit (refer to the product diagram for switch location):

- **Mode 1 (Security Mode):** The light remains off until motion is detected. Upon detection, it illuminates at full brightness (900lm) for approximately 30 seconds, then turns off if no further motion is detected. This mode is ideal for security and energy saving.

- **Mode 2 (Dim to Bright Mode):** The light stays on at a dim level (e.g., 100-200lm) from dusk till dawn. When motion is detected, it switches to full brightness (900lm) for approximately 30 seconds, then returns to the dim level. This mode provides continuous ambient lighting with a boost for activity.
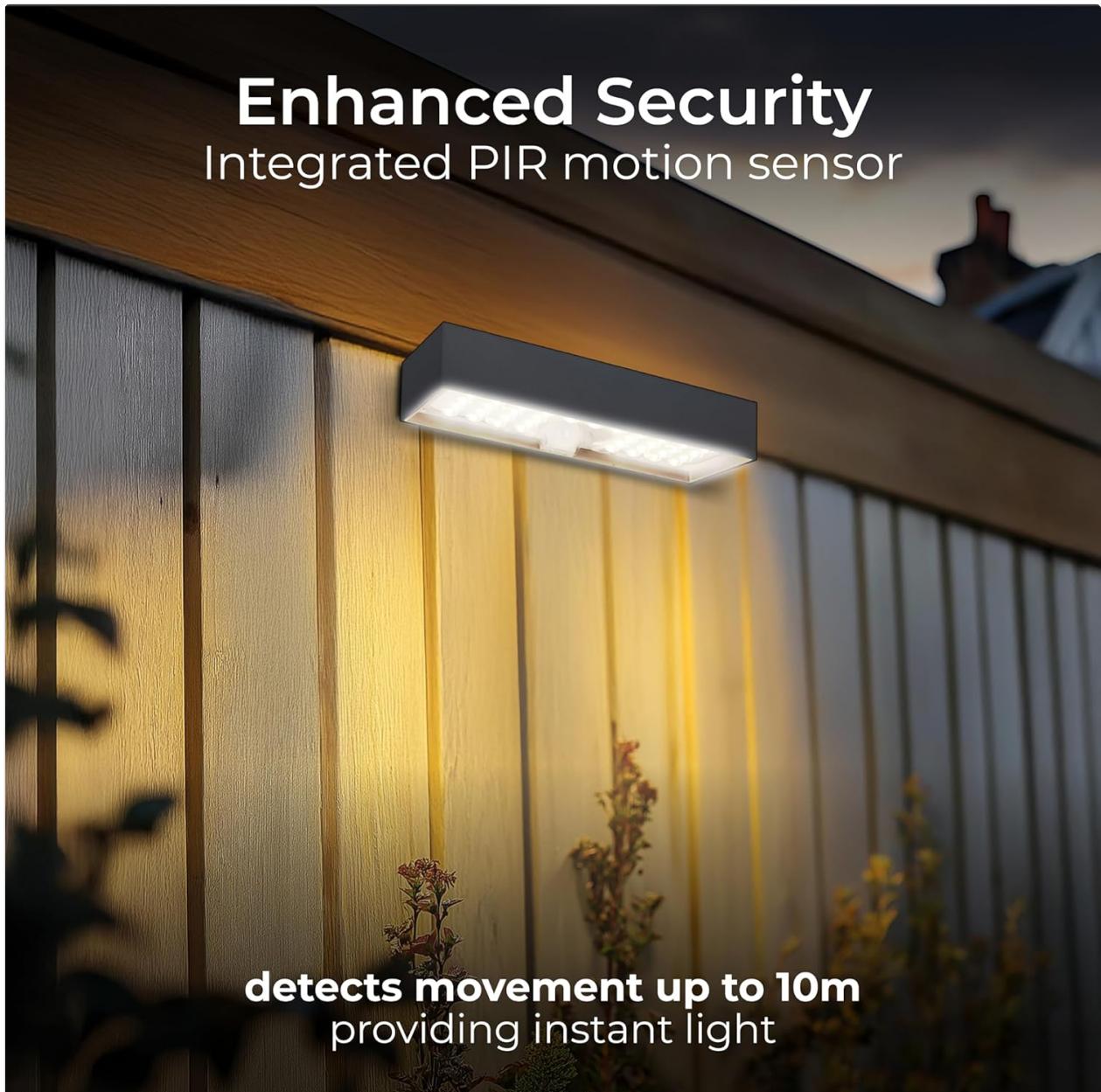
Image 5.1: The light in operation, demonstrating its integrated PIR motion sensor which detects movement up to 10 meters, providing instant illumination for enhanced security.

5.3 PIR Sensor Performance

- **Detection Range:** 2m - 6m (depending on mounting height and environmental factors).

- **Detection Angle:** 120 degrees.

- The sensor is most effective when motion crosses its field of view rather than moving directly towards it.

Image 5.2: The light providing long-lasting illumination in an outdoor setting, showcasing its ability to enhance the aesthetics and functionality of porches, gardens, or driveways.
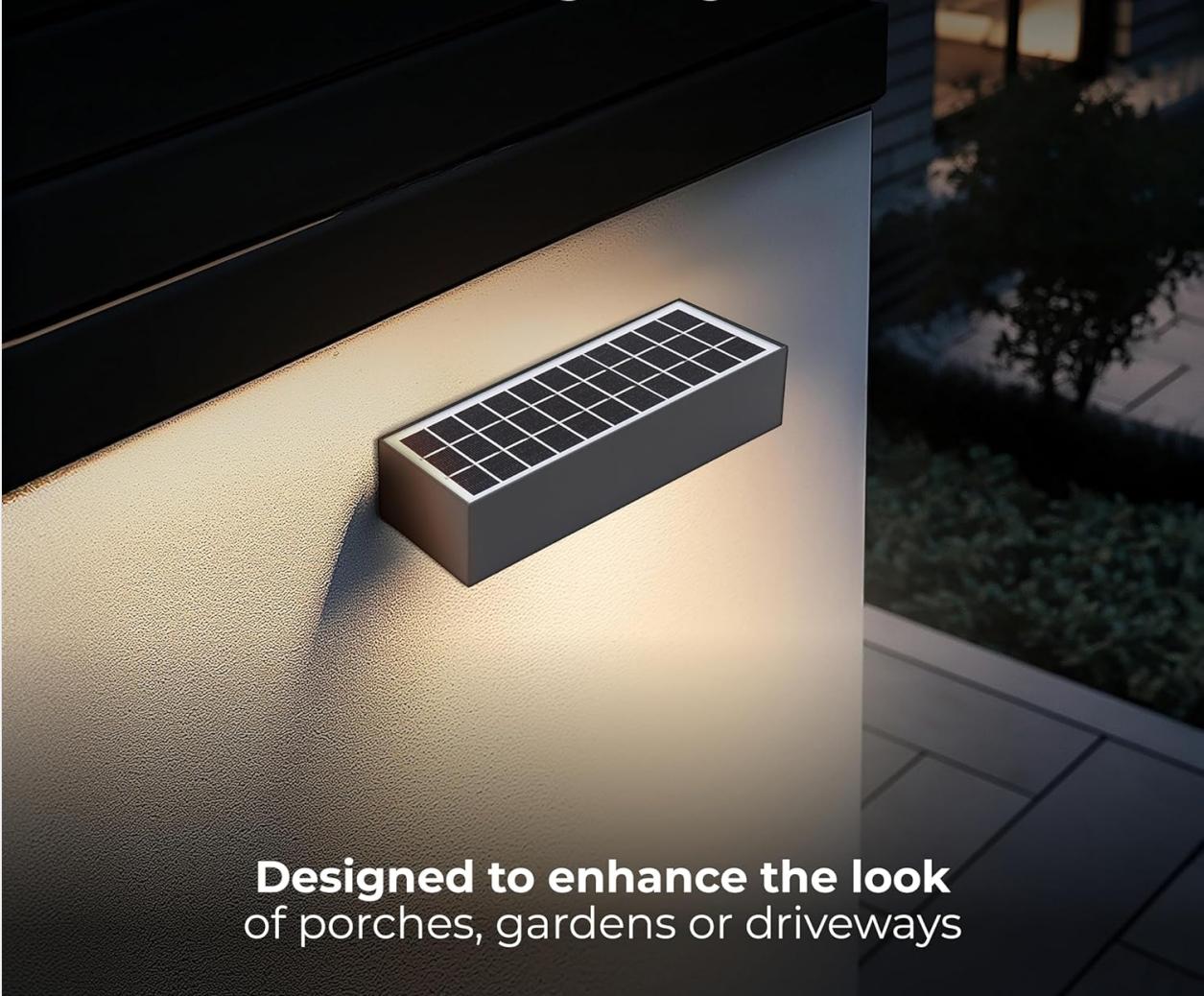
6. MAINTENANCE

Regular maintenance will ensure the longevity and optimal performance of your solar light.

- **Cleaning the Solar Panel:** Periodically wipe the solar panel with a soft, damp cloth to remove dust, dirt, or debris. A clean panel ensures maximum sunlight absorption and charging efficiency.

- **Checking for Obstructions:** Ensure no new obstructions (e.g., growing foliage, new structures) are blocking direct sunlight from reaching the solar panel.

- **General Cleaning:** Clean the light fixture's body with a soft, damp cloth. Do not use abrasive cleaners or solvents.

Image 6.1: The light fixture covered in water droplets, illustrating its durable and reliable construction with an IP65 weatherproof rating, ensuring year-round use in various conditions.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel receives 6-8 hours of direct sunlight daily. Clean the solar panel.
Light stays dim or turns off too quickly.	Low battery charge.	Allow more charging time. Ensure no obstructions are blocking the solar panel.
PIR sensor not detecting motion.	Sensor obstructed or incorrect angle.	Ensure the sensor lens is clean and clear. Adjust the light's position or angle if possible to optimize detection.

Problem	Possible Cause	Solution
Light flickers.	Battery nearing end of charge or faulty.	Allow for a full day's charge. If problem persists, contact customer support.

8. SPECIFICATIONS

| Feature	Specification
Model Number	LEXSBR80G30-01
Power Source	Solar Powered
Wattage	6W
Luminous Flux	900 Lumen
Colour Temperature	3000K (Warm White)
PIR Detection Range	2m - 6m
PIR Detection Angle	120°
Battery Type	Li-ion 3.7V (3000mAh capacity)
Charging Time	8-10 hours (direct sunlight)
Illumination Time	2-4 nights (on full charge)
IP Rating	IP65
Material	Acrylonitrile Butadiene Styrene
Product Dimensions	9.7 x 23 x 42 cm
Item Weight	570 g
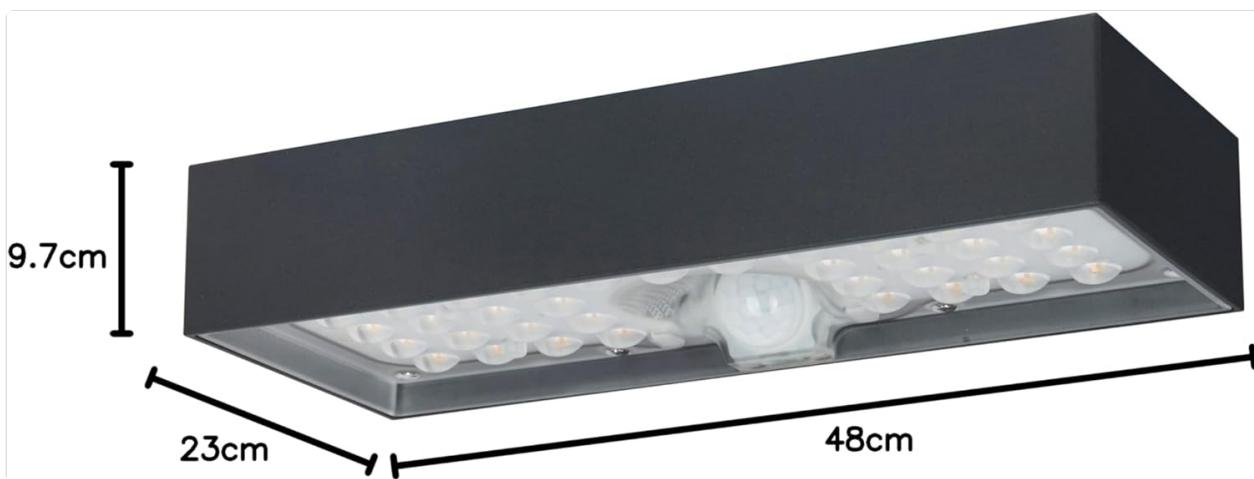
Image 8.1: Diagram showing the dimensions of the Luceco Solar Powered LED Outdoor Wall Light: 9.7cm height, 23cm depth, and 48cm length.

9. WARRANTY AND SUPPORT

This Luceco product comes with a standard manufacturer's warranty against defects in materials and workmanship. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact your retailer or visit the official Luceco website for customer service contact details.

Note: Product specifications and features are subject to change without prior notice.