

## Luceco LEXSF6B40-01

# Luceco Solar LED Projector User Manual

Model: LEXSF6B40-01

## 1. INTRODUCTION

The Luceco Solar LED Projector is a powerful and efficient outdoor lighting solution designed for various applications such as paths, gardens, carports, and awnings. It operates entirely on solar energy, eliminating the need for external wiring and reducing energy costs. Equipped with an integrated PIR motion detector, it enhances security by illuminating areas upon detecting movement. This manual provides detailed instructions for installation, operation, maintenance, and troubleshooting to ensure optimal performance and longevity of your solar projector.



Figure 1: The Luceco Solar LED Projector, showcasing its solar panel and LED light array.

# Esthétique moderne et élégante au profil fin et discret



**Lumière blanche neutre 4000K**  
pour un éclairage net et précis

Figure 2: The projector's modern design and neutral white light (4000K) for clear and precise illumination.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Ensure the product is installed in a location that receives direct sunlight for optimal charging.
- Do not attempt to disassemble, repair, or modify the product. This will void the warranty and may cause damage or injury.
- Keep the product away from flammable materials and extreme heat sources.
- The product is IP65 rated for outdoor use and resistance to weather conditions. However, avoid submerging it in water.
- Clean the solar panel regularly to ensure efficient charging. Use a soft, damp cloth.

- Dispose of the product and its battery responsibly according to local regulations.

### 3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Luceco Solar LED Projector
- 1 x Wall Mount Bracket
- Mounting Hardware (screws, wall plugs)

### 4. SETUP AND INSTALLATION

The Luceco Solar LED Projector is designed for easy installation with no wiring required. Follow these steps for optimal placement and mounting:

#### 4.1 Choosing an Installation Location

- Select a location that receives maximum direct sunlight throughout the day to ensure the solar panel charges effectively.
- Avoid areas shaded by trees, buildings, or other obstructions.
- Consider the desired illumination area and the PIR motion sensor's detection range (1-6 meters, 120°) when choosing the height and angle.

#### 4.2 Mounting the Projector

1. Position the wall mount bracket against the desired surface (exterior wall, fence, etc.).
2. Mark the drilling points through the holes on the bracket.
3. Drill holes at the marked points using an appropriate drill bit (e.g., 8mm for supplied wall plugs).
4. Insert the wall plugs into the drilled holes.
5. Align the bracket with the holes and secure it using the provided screws.
6. Attach the solar LED projector to the mounted bracket, ensuring it is securely fastened.
7. Adjust the angle of the solar panel and the light head to optimize sunlight exposure and illumination coverage.



**Installation sans effort**  
avec panneau solaire de haute qualité

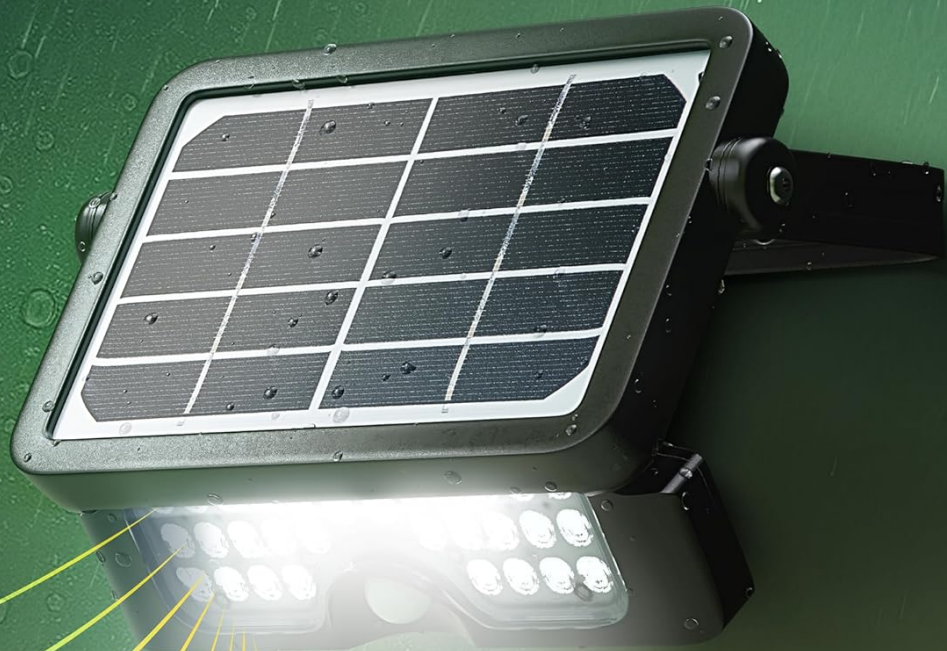


**éliminant le besoin de câblage**  
ou de consommation d'énergie supplémentaire

Figure 3: The simple installation process, requiring minimal tools and no complex wiring.

# Robuste et fiable

## Boîtier résistant aux intempéries



**assurant une durabilité en toutes conditions**  
pour une utilisation toute l'année

Figure 4: The robust and reliable design, featuring IP65 weather resistance for year-round outdoor use.

## 5. OPERATING INSTRUCTIONS

The Luceco Solar LED Projector features intelligent operation modes and a PIR motion sensor for enhanced functionality.

### 5.1 Initial Charging

Before first use, allow the solar projector to charge in direct sunlight for at least 6-8 hours to ensure the internal lithium-ion battery is sufficiently charged.

### 5.2 Operating Modes

The projector offers three adjustable motion modes to suit different security and lighting needs. These modes are typically selected via a switch or button on the unit (refer to the specific product for exact control location):



- **Twilight Mode:** The light automatically turns on at dusk and remains on at a low brightness level. When motion is detected, it switches to full brightness for a set duration, then returns to low brightness.
- **Security Mode:** The light remains off until motion is detected. It then illuminates at full brightness for a set duration (e.g., 20-30 seconds) and turns off completely when no motion is detected.
- **Presence Mode:** Similar to Security Mode, but may offer variations in brightness or duration. (Specific details may vary by model, consult product packaging for precise settings).



Figure 5: The projector offers long-duration lighting with two distinct modes, optimizing battery life.

### 5.3 PIR Motion Sensor

The integrated Passive Infrared (PIR) motion sensor detects heat signatures of moving objects within its detection range (1-6 meters) and angle (120°). When motion is detected, the light activates according to the selected operating mode. Ensure the sensor is not obstructed and is positioned to cover the desired detection area.

# Sécurité renforcée

## Capteur de mouvement PIR intégré



**détecte les mouvements jusqu'à 6 m**  
et active instantanément la lumière

Figure 6: The integrated PIR motion sensor detects movement up to 6 meters, instantly activating the light.





Figure 7: The projector providing effective illumination when installed on an exterior wall.

## 6. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Luceco 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 Light Head:** Gently clean the LED light head and motion sensor lens with a soft, dry cloth to maintain clear illumination and sensor sensitivity.
- **Battery Care:** The integrated lithium-ion battery is designed for long life. Avoid prolonged periods of storage in a completely discharged state. If storing for an extended time, ensure the battery is fully charged.
- **Inspection:** Occasionally check the mounting hardware to ensure it remains secure.



Figure 8: The projector's weather-resistant design ensures durability even in challenging outdoor conditions.

## 7. TROUBLESHOOTING

If you encounter issues with your solar LED projector, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on at night.	Insufficient solar charge.	Ensure the solar panel is in direct sunlight for 6-8 hours daily. Clean the solar panel.
Light flickers or is dim.	Low battery charge.	Allow more charging time in direct sunlight.

Problem	Possible Cause	Solution
Motion sensor not detecting.	Sensor obstructed or dirty.	Clean the sensor lens. Ensure no obstructions are blocking the sensor's view.
Light stays on continuously.	Incorrect mode selected or constant motion.	Check the selected operating mode. Ensure there is no continuous motion in the detection area.

## 8. SPECIFICATIONS

Technical specifications for the Luceco Solar LED Projector:

Feature	Specification
Brand	Luceco
Model Number	LEXSF6B40-01
Dimensions (L x W x H)	1.33 x 8.56 x 5.88 cm (Product); 8.6L x 1.3W x 5.9H cm (Fixture)
Weight	620 grams
Power Source	Solar Powered
Wattage	5 Watts
Luminous Flux	550 lumens
Color Temperature	4000 Kelvin (Neutral White)
Color Rendering Index (CRI)	80
Battery Type	2 x 3.7V, 1500 mAh Lithium-ion (included)
IP Rating	IP65 (Waterproof)
Switch Style	Motion Detector
Average Lifespan	30,000 Hours
Material	Die-cast Aluminum
Finish Type	Painted
Special Features	Waterproof, PIR Motion Sensor

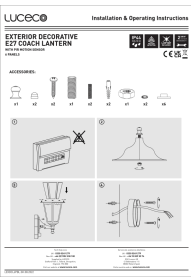

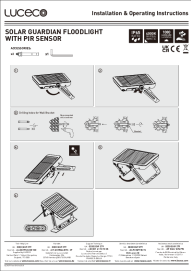
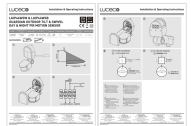


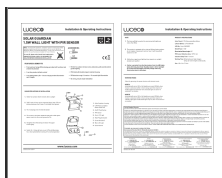
## 9. WARRANTY AND SUPPORT

Information regarding specific warranty terms and software updates for this product is not available in this manual. For warranty claims, technical support, or inquiries about spare parts, please contact Luceco customer service directly or refer to the product packaging for contact details. It is recommended to retain your proof of purchase for any warranty-related matters.

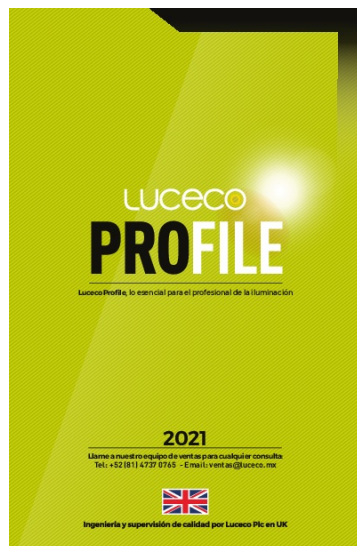
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### Related Documents - LEXSF6B40-01

	<p><a href="#">Luceco Exterior Decorative E27 Coach Lantern with PIR Motion Sensor - Installation &amp; Operating Instructions</a></p> <p>Comprehensive installation and operating instructions for the Luceco Exterior Decorative E27 Coach Lantern, featuring a PIR motion sensor. Includes accessory list, step-by-step guidance, and technical support information.</p>
	<p><a href="#">Luceco Solar Guardian Floodlight with PIR Sensor: Installation and Operating Guide</a></p> <p>Detailed installation and operating instructions for the Luceco Solar Guardian Floodlight with PIR sensor, covering setup, features, and working modes. Includes contact information for Luceco.</p>
	<p><a href="#">LUCECO Solar Guardian Floodlight with PIR Sensor: Installation &amp; Operating Guide</a></p> <p>Comprehensive guide for installing and operating the LUCECO Solar Guardian Floodlight with PIR Sensor. Features include solar power, motion detection, IP65 rating, and multiple working modes.</p>
	<p><a href="#">Luceco Guardian Outdoor PIR Motion Sensor Installation and Operating Instructions</a></p> <p>Detailed installation and operating instructions for the Luceco LGIP44WSW and LGIP44WSB Guardian Outdoor Tilt &amp; Swivel Day &amp; Night PIR Motion Sensor, including specifications, wiring, and mode explanations.</p>
	<p><a href="#">Luceco Storm Photocell LSPC500-01 Installation and Operating Instructions</a></p> <p>Comprehensive installation and operating guide for the Luceco Storm Photocell (LSPC500-01). This IP65 rated outdoor light sensor is designed for domestic use and features a 3-year warranty. Includes technical specifications, step-by-step installation instructions with diagram descriptions, and contact information.</p>

	<p><a href="#">Solar Guardian 1.5W Wall Light with PIR Sensor: Installation and Operating Guide</a></p> <p>Comprehensive guide for installing and operating the Solar Guardian 1.5W Wall Light with PIR Sensor. Includes features, installation steps, working modes, and warranty information.</p>
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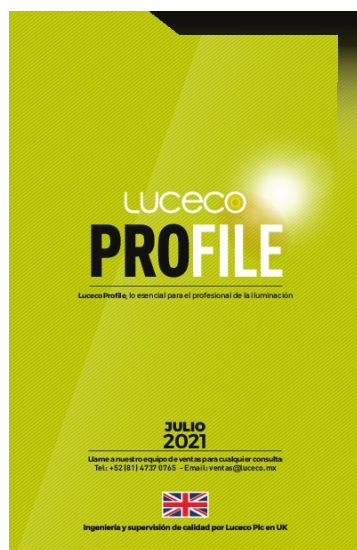
Documents - Luceco – LEXSF6B40-01



[Luceco Profile 2021: Catálogo Completo de Soluciones de Iluminación LED Profesional](#)

Descubra el catálogo Luceco Profile 2021, presentando una amplia gama de soluciones de iluminación LED de alta calidad para aplicaciones comerciales, industriales y minoristas. Explore productos innovadores diseñados para profesionales de la iluminación.

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