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LUTEC LUTEC Kameraluchte

Lutec ESA LED Security Light with Camera 25W User Manual

Model: LUTEC Kameraluchte

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Lutec ESA LED Security Light with Camera. This integrated security light features a modern design, a powerful 25W LED light source, and an integrated camera for enhanced outdoor surveillance. It is designed for easy installation with automatic connection capabilities and offers full adjustability on both vertical and horizontal axes.



Image 1.1: Front-side view of the Lutec ESA LED Security Light with Camera, showcasing its anthracite grey finish and integrated LED panels and camera.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Electrical Safety:** Installation should only be performed by a qualified electrician in accordance with local wiring regulations. Ensure the power supply is disconnected at the main circuit breaker before any installation or maintenance.
- **Mounting:** Mount the device securely on a stable surface. Ensure the mounting location can support the weight of the fixture.
- **Operating Temperature:** Do not operate the device outside its specified temperature range.

- **Water Resistance:** The product has an IP54 rating, indicating protection against dust ingress and splashing water. It is suitable for outdoor use but should not be submerged in water.
- **Light Source:** The LED light source is integrated and not replaceable by the user. Do not attempt to disassemble the LED module.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- Lutec ESA LED Security Light with Camera (Integrated LED)
- Mounting accessories (screws, wall plugs)
- Instruction Manual
- (Optional: MicroSD card, if included with your specific model)

4. SETUP AND INSTALLATION

The Lutec ESA LED Security Light is designed for wall-mounted installation. Ensure the chosen location provides optimal coverage for both lighting and camera surveillance.

4.1. Physical Installation

1. **Power Disconnection:** Before starting, turn off the power supply at the main circuit breaker to avoid electrical hazards.
2. **Mounting Bracket:** Detach the mounting bracket from the main light fixture. Use the bracket as a template to mark drilling points on the wall.
3. **Drilling:** Drill holes at the marked positions. Insert the provided wall plugs.
4. **Secure Bracket:** Secure the mounting bracket to the wall using the provided screws.
5. **Wiring:** Connect the electrical wires (Live, Neutral, Earth) from your household wiring to the corresponding terminals on the fixture. Ensure all connections are secure and insulated.
6. **Attach Fixture:** Carefully attach the main light fixture to the secured mounting bracket. Ensure it clicks or screws into place firmly.



Image 4.1: Illustration of attaching the light fixture to the wall mount bracket during installation.



Image 4.2: The security light installed on a wooden wall, demonstrating a typical mounting scenario.

4.2. App and Wi-Fi Connection

To utilize the camera features and advanced settings, download the official Lutec app (available on iOS and Android app stores).

1. **Download App:** Search for "Lutec" in your device's app store and install the official application.
2. **Create Account:** Open the app and follow the on-screen instructions to create a user account or log in.
3. **Add Device:** Select the option to add a new device. The app will guide you through the process of connecting your security light to your home Wi-Fi network. Ensure your Wi-Fi network is 2.4GHz, as 5GHz networks may not be supported.
4. **Pairing:** Follow the app's instructions for pairing. This typically involves scanning a QR code on the device or pressing a reset button.
5. **Configuration:** Once connected, you can configure camera settings, motion detection zones, notification preferences, and light schedules within the app.

4.3. Adjusting Light and Camera Angle

The light fixture and camera are fully adjustable to optimize coverage.

- **Light Head Adjustment:** The main light head can be manually tilted up or down and rotated left or right to direct the illumination as needed.
- **Camera Adjustment:** The integrated camera can also be adjusted independently to achieve the desired surveillance angle.
- **Motion Sensor:** The motion sensor (PIR) located at the bottom of the fixture can be angled to optimize detection range and minimize false triggers.



Image 4.3: Front view detailing the integrated camera, speaker, and motion sensor for precise adjustment.

5. OPERATING INSTRUCTIONS

Once installed and connected, the Lutec ESA LED Security Light operates primarily through its motion sensor and the companion mobile application.

- **Motion Detection:** The integrated Passive Infrared (PIR) sensor detects movement within its adjustable range. Upon detection, the LED light will illuminate, and the camera will begin recording (if configured).

- **Live View:** Access the live camera feed anytime through the Lutec mobile app.
- **Recorded Footage:** Footage triggered by motion detection is stored on an inserted MicroSD card (if present) or potentially cloud storage (check app for subscription options). Review and download recordings via the app.
- **Notifications:** Configure the app to receive instant alerts on your smartphone when motion is detected.
- **Two-Way Audio:** Use the integrated speaker and microphone (visible in Image 4.3) to communicate with visitors or deter intruders through the app.
- **Light Control:** Adjust light duration, sensitivity, and brightness settings through the mobile application.

6. MAINTENANCE

The Lutec ESA LED Security Light requires minimal maintenance.

- **Cleaning:** Periodically clean the exterior of the fixture, especially the camera lens and LED panels, with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the power is off before cleaning.
- **LED Light Source:** The LED light source is integrated and designed for long-term use. It is not user-replaceable.
- **Software Updates:** Regularly check the Lutec app for firmware updates for your device to ensure optimal performance and security.

7. TROUBLESHOOTING

If you encounter issues with your security light, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Light does not turn on.	No power, faulty wiring, sensor malfunction.	Check circuit breaker. Verify wiring connections. Ensure motion sensor is not obstructed. Test in different light conditions.
Light stays on continuously.	Motion sensor sensitivity too high, continuous motion detected, faulty sensor.	Adjust motion sensor sensitivity in the app. Ensure no constant movement (e.g., swaying branches) is in the detection zone. Power cycle the device.
Camera not connecting to Wi-Fi.	Incorrect Wi-Fi password, 5GHz network, weak signal, firewall issues.	Ensure correct 2.4GHz Wi-Fi network and password. Move router closer or install a Wi-Fi extender. Check router settings for MAC filtering or firewall restrictions. Reset the device and try pairing again.
Poor video quality.	Dirty lens, poor Wi-Fi signal, low light conditions.	Clean the camera lens. Improve Wi-Fi signal strength. Ensure adequate ambient light or rely on the integrated LED for illumination.
No motion detection alerts.	App notifications disabled, incorrect motion zone settings, sensor obstructed.	Check app notification settings. Verify motion detection zones and sensitivity. Ensure the PIR sensor is clean and unobstructed.

8. SPECIFICATIONS

Detailed technical specifications for the Lutec ESA LED Security Light with Camera.



Image 8.1: Dimensional diagram of the Lutec ESA LED Security Light.

Feature	Detail
Brand	LUTEC
Model Number	7625501118 (LUTEC Kameraluchte)
Dimensions (L x W x H)	25.5 x 20 x 17 cm
Weight	1.1 Kilograms
Material	Aluminium
Color	Anthracite Grey
Power	25 Watts
Luminous Flux	1530 lm

	<p>LUTEC Stag Series LED Lighting User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the LUTEC Stag Series LED lighting, featuring technical specifications, safety instructions, app setup, and Bluetooth mesh technology.</p>
	<p>LUTEC 7635402012/7635402053 Wet Location Security Area Light Installation Guide</p> <p>Installation guide for the LUTEC 7635402012 and 7635402053 Wet Location Security Area Light. Provides safety warnings and step-by-step installation instructions.</p>
	<p>LUTEC Smart Solar Light User Manual and Setup Guide</p> <p>Comprehensive user manual for the LUTEC Smart Solar Light, covering installation, technical specifications, safety instructions, app setup, and Bluetooth mesh technology. Includes multilingual content.</p>
	<p>LUTEC EXPLORER 6609202118 User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the LUTEC EXPLORER outdoor spotlight (model 6609202118). Includes setup instructions, safety information, technical specifications, and contact details.</p>