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Lamomo LUS-20

Lamomo Outdoor Wall Light with Motion Sensor (Model LUS-20) Instruction Manual

Model: LUS-20 | Brand: Lamomo

1. PRODUCT OVERVIEW

The Lamomo Outdoor Wall Light with Motion Sensor (Model LUS-20) is designed for exterior lighting applications, featuring a motion-activated sensor and dusk-to-dawn functionality. It is constructed from durable aluminum with seeded glass, offering weather resistance for various outdoor environments.



Figure 1: Lamomo Outdoor Wall Light with Motion Sensor (Model LUS-20). This image shows the black lantern-style fixture mounted on an exterior wall, with a motion sensor visible at the top.

Key Features:

- **Adjustable PIR Motion Sensor:** Detects movement up to 40ft with a 220° detection angle.
- **Dusk-to-Dawn Sensor:** Automatically turns the light on at dusk and off at dawn.
- **Multiple Operating Modes:** Auto, Auto+, and Manual Override modes.
- **Durable Construction:** Aluminum material with seeded glass, waterproof and anti-rust.
- **Bulb Compatibility:** Compatible with E26 bulbs (incandescent and LED, 100W max). Dimmable bulbs are recommended for optimal performance.

2. SAFETY INFORMATION

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

- **Professional Installation:** Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- **Power Disconnection:** Always disconnect power at the circuit breaker before installing, servicing, or

cleaning the fixture.

- **Bulb Type:** Use only E26 base bulbs, maximum 100W. For motion sensor functionality, a DIMMABLE bulb is recommended. Non-dimmable bulbs may cause malfunction.
- **Fixture Integrity:** Do not modify the fixture. Ensure all connections are secure.
- **Environmental Conditions:** This fixture is designed for outdoor use and is waterproof. However, avoid direct high-pressure water jets.

3. SETUP AND INSTALLATION

This section provides general guidelines for installing your Lamomo Outdoor Wall Light. Refer to the detailed wiring diagram included with your product for specific electrical connections.

3.1 Package Contents

- Lamomo Outdoor Wall Light Fixture (Model LUS-20)
- Mounting Hardware (screws, wire nuts)
- Instruction Manual
- *Note: Bulb is NOT included.*

3.2 Tools Required (Not Included)

- Screwdriver
- Wire Strippers
- Pliers
- Electrical Tape
- Safety Glasses

3.3 Installation Steps

1. **Turn off Power:** Locate the circuit breaker controlling the light fixture's power and turn it OFF. Verify power is off using a voltage tester.
2. **Prepare Mounting Surface:** Ensure the mounting surface is clean, dry, and structurally sound.
3. **Attach Mounting Bracket:** Secure the mounting bracket to the junction box using the provided screws.
4. **Wire Connections:** Connect the fixture's wires to your household wiring according to local electrical codes. Typically, this involves connecting:
 - Black (Live) to Black (Live)
 - White (Neutral) to White (Neutral)
 - Green or Bare Copper (Ground) to Green or Bare Copper (Ground)

Secure connections with wire nuts and electrical tape.

5. **Mount Fixture:** Carefully align the fixture with the mounting bracket and secure it with the provided screws or nuts.
6. **Install Bulb:** Screw an E26 base bulb (max 100W, dimmable recommended) into the socket.
7. **Restore Power:** Turn the power back ON at the circuit breaker.

DETAILS

A19 TUNGSTEN BULB
(BULB NOT INCLUDED)



STURDY METALFRAME

RUGGED GLASS



Figure 2: Product details including dimensions (13.8"H x 6.7"W x 4.7"D), E26 bulb compatibility, sturdy metal frame, and rugged glass construction.



Figure 3: Examples of E26 base bulbs compatible with the fixture. A dimmable bulb is recommended for proper motion sensor function.

4. OPERATING INSTRUCTIONS

The Lamomo Outdoor Wall Light features an adjustable PIR motion sensor and multiple operating modes controlled by your wall switch.

4.1 Initial Self-Test

Upon first power-up, the light will enter a self-test program, flashing for approximately 20-120 seconds to ensure proper function. After this period, it will automatically default to **Auto+ Mode**.

4.2 Motion Sensor Details

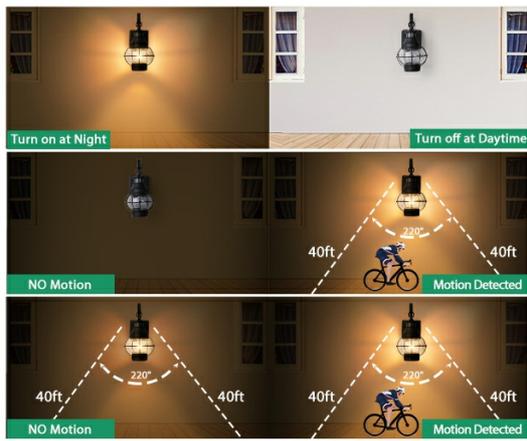


Figure 4: Illustration of the PIR motion sensor's detection capabilities, showing an adjustable lighting time from 5 seconds to 3 minutes, a detection distance of 40ft, and a 220° detection angle.

The PIR motion sensor detects movement within a 40ft range and a 220° angle. The lighting time after motion detection is adjustable from 5 seconds to 3 minutes.

4.3 Operating Modes

The light offers three distinct operating modes: **Auto Mode**, **Auto+ Mode**, and **Manual Override Mode**. These modes are switched using your standard wall switch.



Manual Override Mode

Auto-off at daytime and keep 6-8 hours 100% brightness for your outdoor activities

Auto + Mode

Eco light mode, lights only be 100% brightness on with movement detected, max. detected angle 220°

Auto Mode

Lights would be low brightness at night without movement, only be full brightness when you are around, these lights could maximize your life convenience.

Figure 5: Overview of the three operating modes: Manual Override Mode, Auto+ Mode, and Auto Mode, with descriptions of their functions.

Mode Conversion:

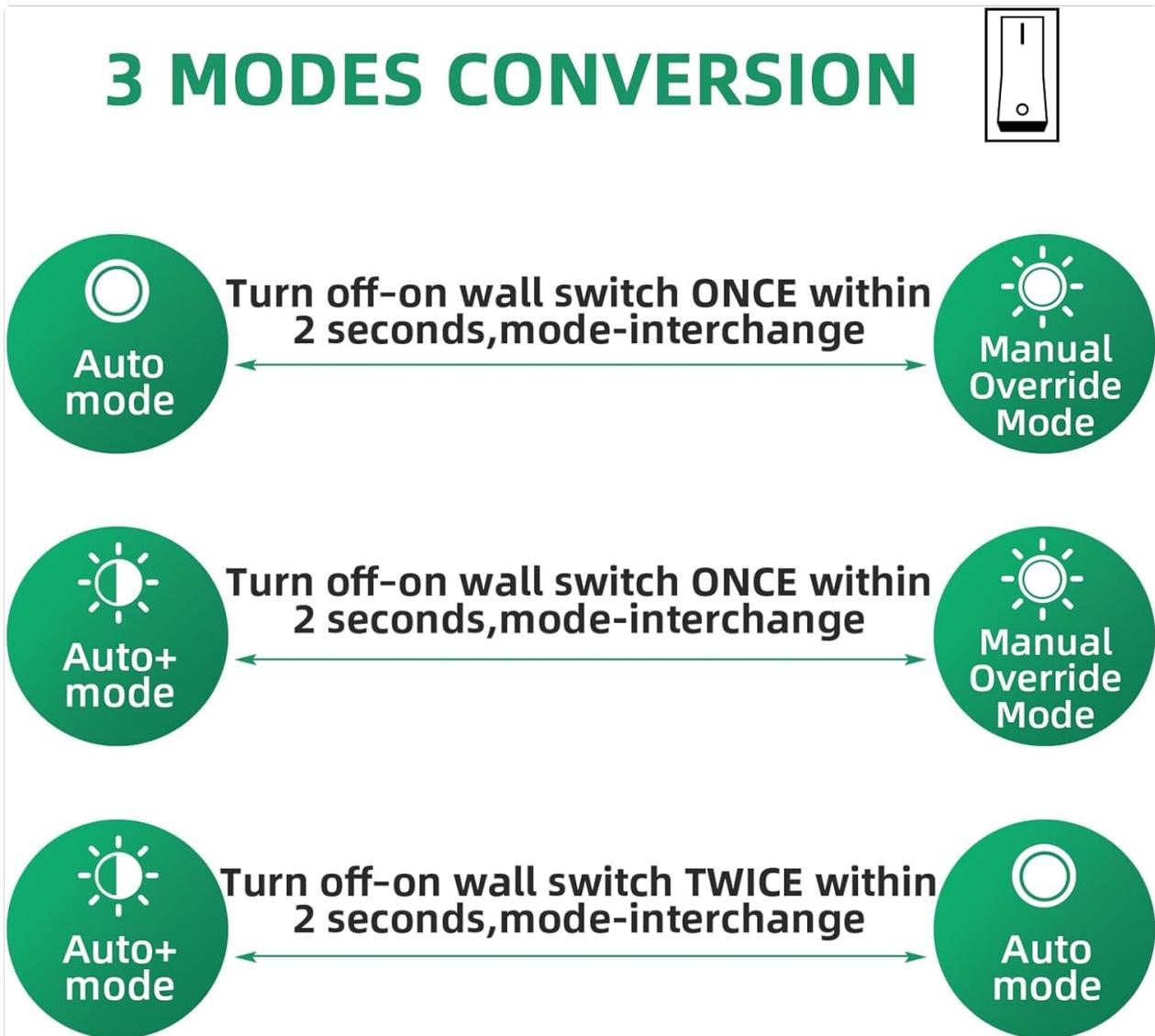


Figure 6: Diagram illustrating how to switch between Auto, Auto+, and Manual Override modes using the wall switch.

- **Auto Mode:**

- At night, the light stays at 30% low brightness without motion.
- When motion is detected, it illuminates at 100% brightness.

- Returns to 30% brightness after 120 seconds of no motion.
 - To activate from Auto+ Mode: Turn the wall switch OFF-ON twice within 2 seconds.
- **Auto+ Mode (Default):**
 - Motion-activated for full brightness (100%) at night.
 - Automatically turns off at night without motion and during the day with movement.
 - To activate from Auto Mode: Turn the wall switch OFF-ON twice within 2 seconds.
- **Manual Override Mode:**
 - Provides 6-8 hours of continuous 100% brightness at night.
 - Automatically turns off during the daytime.
 - Useful for outdoor gatherings or extended illumination needs.
 - To activate from Auto Mode or Auto+ Mode: Turn the wall switch OFF-ON once within 2 seconds.

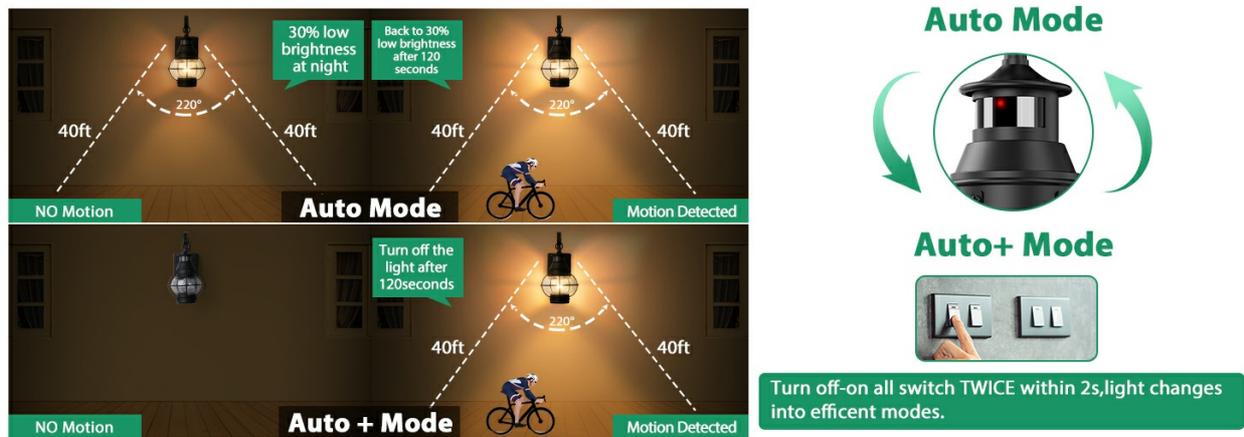


Figure 7: Detailed comparison of Auto Mode (30% brightness, then 100% with motion) and Auto+ Mode (off, then 100% with motion).

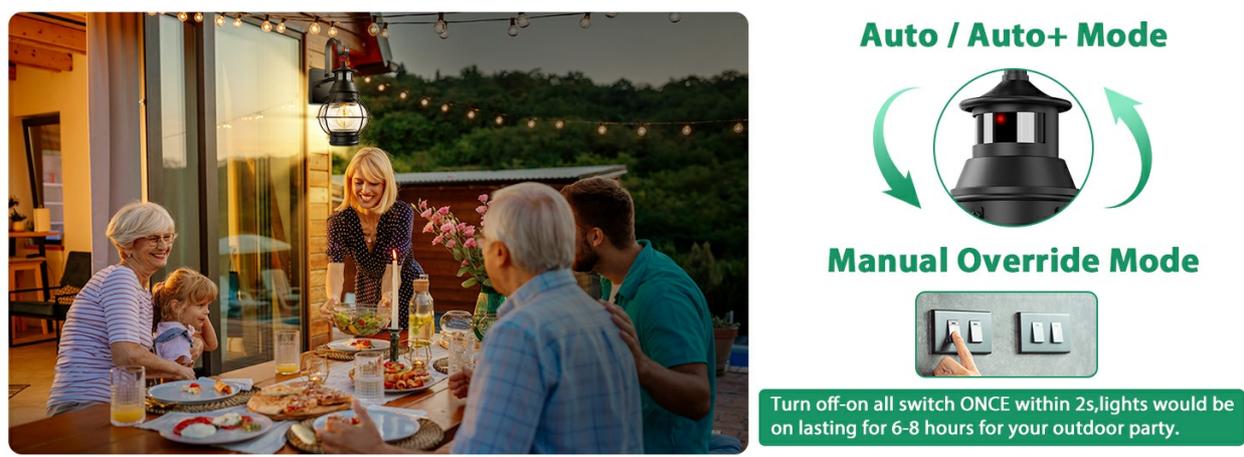


Figure 8: Illustration showing how to activate Manual Override Mode by toggling the wall switch once within 2 seconds for 6-8 hours of continuous light.

5. MAINTENANCE

The Lamomo Outdoor Wall Light is designed for durability and weather resistance, requiring minimal maintenance.

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth to remove dirt and debris. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Bulb Replacement:** Ensure power is off at the circuit breaker before replacing the bulb. Allow the bulb to cool completely before handling.
- **Inspection:** Regularly inspect the fixture for any signs of damage, loose connections, or wear. Address any issues promptly.



Figure 9: The fixture is designed to be waterproof, sunproof, snowproof, and windproof, ensuring durability in various weather conditions.

6. TROUBLESHOOTING

If you encounter issues with your Lamomo Outdoor Wall Light, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none"> • No power to the fixture. • Bulb is faulty or not installed correctly. • Dusk-to-dawn sensor detects too much ambient light. 	<ul style="list-style-type: none"> • Check circuit breaker and wall switch. • Replace bulb and ensure it is screwed in tightly. • Test at night or cover the sensor temporarily.
Motion sensor not working or light stays on/off unexpectedly.	<ul style="list-style-type: none"> • Non-dimmable bulb installed. • Sensor obstructed or dirty. • Incorrect operating mode selected. • Environmental factors (e.g., rain, heat from cars) triggering sensor. 	<ul style="list-style-type: none"> • Replace with a DIMMABLE E26 bulb. • Clean sensor lens. Ensure no objects block the sensor's view. • Cycle through modes using the wall switch (refer to Section 4.3). • Consider sensor placement to minimize false triggers.

Problem	Possible Cause	Solution
Light flashes during initial setup.	Normal self-test program.	This is normal. The light will stabilize after 20-120 seconds and enter Auto+ Mode.

7. SPECIFICATIONS

Feature	Detail
Brand	Lamomo
Model Number	LUS-20
Color	Black (as per current product variant)
Material	Aluminum, Metal + Glass
Product Dimensions	13.8"L x 6.7"W x 4.7"H
Item Weight	3.3 pounds
Power Source	Hard Wired
Voltage	120 Volts
Wattage (Max)	100 watts
Bulb Base	E26
Special Feature	Motion Sensor, Dusk to Dawn, Waterproof
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	Waterproof
Certifications	ETL Listed (implied by image)



Figure 10: The product is ETL Listed, indicating compliance with North American safety standards.

8. WARRANTY AND SUPPORT

Warranty information for the Lamomo Outdoor Wall Light (Model LUS-20) was not explicitly provided in the product data. For details regarding warranty coverage, please refer to the product packaging or contact Lamomo customer support directly.

Customer Support:

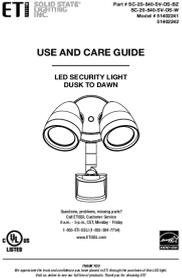
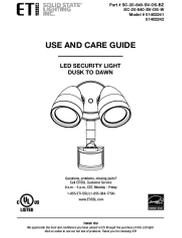
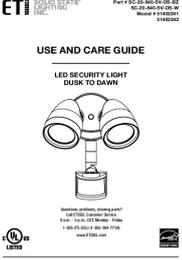
For technical assistance, troubleshooting, or warranty inquiries, please contact Lamomo customer support through their official website or the retailer where the product was purchased.

Brand Store Link: [Lamomo Official Store on Amazon](#)

9. OFFICIAL PRODUCT VIDEOS

No official product videos created by the seller were found in the provided product data for this model.

Related Documents - LUS-20

	<p>Lamomo LED Strip Light Controller User Manual - Smart RGB Lighting Control</p> <p>Comprehensive user manual for the Lamomo LED Strip Light Controller, detailing product parameters, package contents, installation, operation via remote and Smart Life app, and FCC compliance.</p>
	<p>ETi LED Security Light Dusk to Dawn Use and Care Guide</p> <p>Comprehensive use and care guide for the ETi LED Security Light with Dusk to Dawn and Motion Sensor functionality. Includes installation, maintenance, testing, and troubleshooting instructions for model numbers SC-20-840-SV-OS-BZ and SC-20-840-SV-OS-W.</p>
	<p>ETi LED Security Light Dusk to Dawn Use and Care Guide</p> <p>Comprehensive use and care guide for the ETi LED Security Light with Dusk to Dawn functionality. Includes installation instructions, maintenance tips, troubleshooting, and warranty information for models SC-20-840-SV-OS-BZ and SC-20-840-SV-OS-W.</p>
	<p>ETi LED Security Light Dusk to Dawn Use and Care Guide</p> <p>Comprehensive use and care guide for the ETi LED Security Light with Dusk to Dawn functionality. Includes installation, maintenance, PIR sensor testing, and troubleshooting for models SC-20-840-SV-OS-BZ and SC-20-840-SV-OS-W.</p>



[Wood Porch Rocker Furniture Care and Assembly Instructions - KD-20 Series](#)
Comprehensive guide for the care and assembly of the KD-20 Series Wood Porch Rocker. Includes assembly steps, part identification, and maintenance recommendations for longevity.



[Visonic TOWER-20AM PG2 Installation Guide: Setup and Configuration](#)
Comprehensive installation guide for the Visonic TOWER-20AM PG2 outdoor PIR motion detector. Learn about setup, configuration, enrollment, and specifications for this advanced security device.