

## LEONLITE XL1SL-40W50-MSS

# LEONLITE Motion Sensor 4FT LED Utility Shop Light Instruction Manual

Model: XL1SL-40W50-MSS

## 1. INTRODUCTION

The LEONLITE Motion Sensor 4FT LED Utility Shop Light is designed to provide efficient and bright illumination for various indoor spaces. This 40W fixture delivers 4000 lumens of 5000K daylight, making it suitable for garages, workshops, laundry rooms, and other utility areas. Equipped with an integrated motion sensor, the light automatically activates upon detecting movement, offering hands-free operation and energy savings. Its linkable design allows for connecting multiple units to cover larger areas effectively.



Figure 1: LEONLITE Motion Sensor 4FT LED Utility Shop Light (Pack of 2)

## 2. SAFETY INFORMATION

Please read and understand all instructions before installing or operating this fixture. Retain this manual for future reference.

- **Electrical Safety:** Ensure power is turned off at the circuit breaker before installation or maintenance. All wiring connections must be in accordance with local and national electrical codes.
- **Installation:** This product is intended for indoor use only. Do not install in wet locations or areas with excessive humidity.
- **Handling:** Do not look directly into the LED light source when illuminated. Avoid touching the fixture when it is operating, as it may be hot.
- **Damage:** Do not operate the fixture if it is damaged. Contact customer support for assistance.

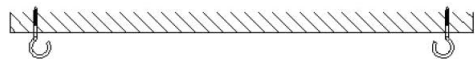
### 3. SETUP AND INSTALLATION

The LEONLITE Motion Sensor 4FT LED Utility Shop Light offers two primary installation methods: suspended mounting and surface mounting. All necessary hardware is included for both options.

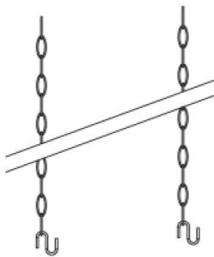
#### 3.1 Package Contents

## INSTALLATION INSTRUCTIONS

### Suspended Mounting



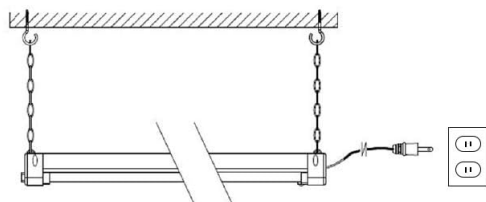
Step 1: Mount eye hooks to the ceiling with plastic anchors.



Step 2: Install S hooks into the end of hanging chains.



Step 3: Install S hooks into the end cap of the LED lamp.

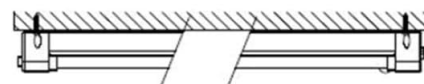
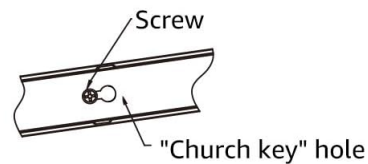


Step 4: Attach the assembled components to the eye hooks.

### Surface Mounting



Step 1: Secure the screws to the ceiling.



Step 2: Lock the fixture to the ceiling with screws.



Step 3: Connect the power and turn on the fixture.

Figure 2: Included mounting hardware and power cord.

Verify that all components are present before beginning installation:

- LED Shop Light Fixture(s)
- Power Cord (4.92ft)
- Hanging Chains
- S-Hooks
- Eye Hooks with Plastic Anchors (for suspended mounting)
- Screws (for surface mounting)

#### 3.2 Installation Methods

Refer to the diagram below for visual guidance on both suspended and surface mounting.

# Package Includes



Figure 3: Step-by-step installation guide for both mounting types.

## Suspended Mounting:

1. **Step 1:** Mount eye hooks to the ceiling using plastic anchors.
2. **Step 2:** Install S-hooks into the end of the hanging chains.
3. **Step 3:** Install S-hooks into the end cap of the LED lamp.
4. **Step 4:** Attach the assembled components to the eye hooks.

## Surface Mounting:

1. **Step 1:** Secure the screws to the ceiling, aligning with the 'Church key' holes on the fixture.
2. **Step 2:** Lock the fixture to the ceiling by sliding it onto the screws.
3. **Step 3:** Connect the power and turn on the fixture.

## 3.3 Linkable Design

Up to 4 units of this LED shop light can be linked together from a single power source. This allows for extended lighting coverage without additional wiring. Simply connect the power cord of one fixture to an outlet, and then use the provided linking cable (or an additional power cord) to connect subsequent fixtures in a series.

## EXTENDABLE DESIGN

Connect up to 4 units together at a single run



Line length: 4.92ft

Figure 4: Illustration of the extendable design, linking multiple units.

### 3.4 Installation Video

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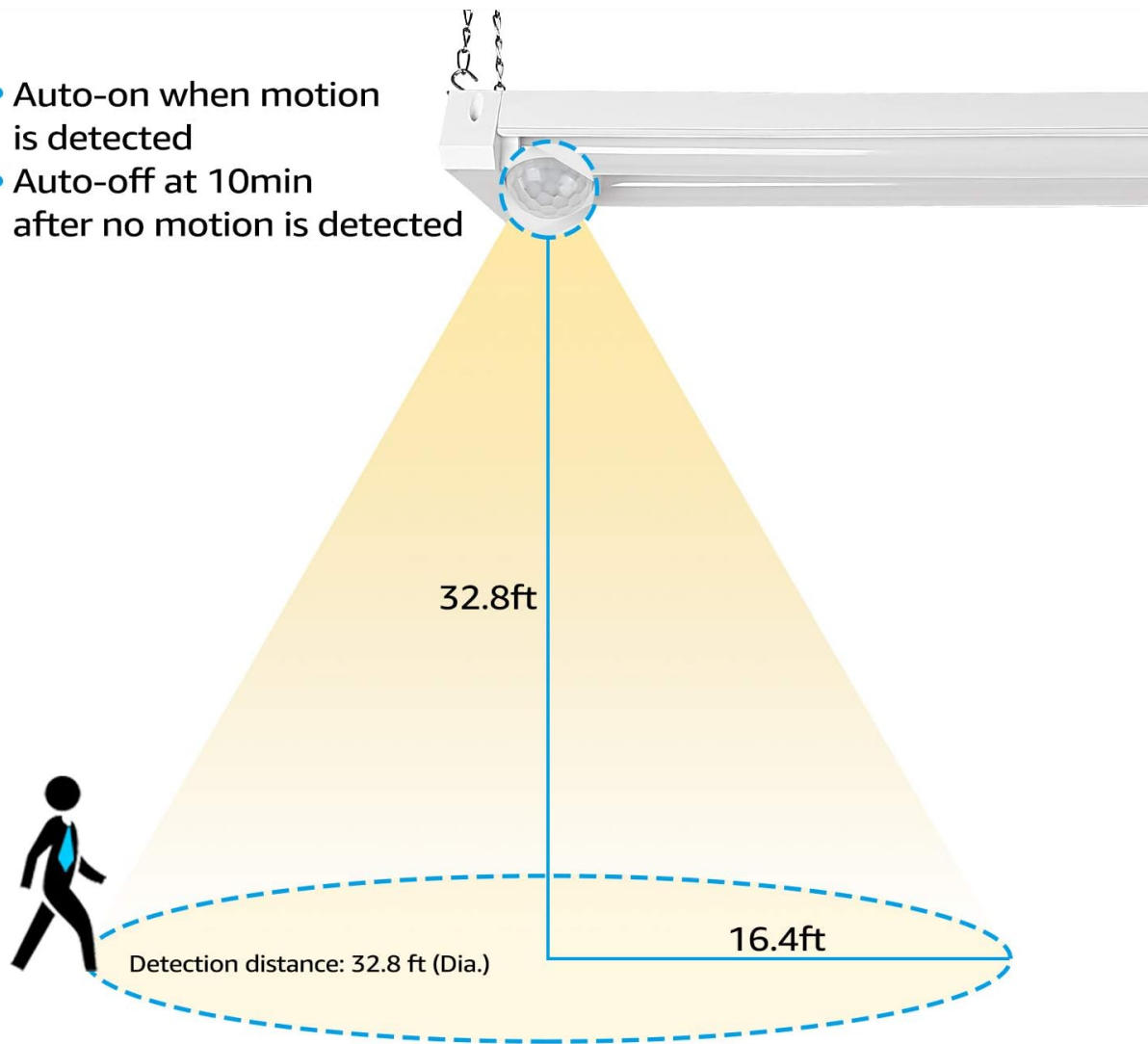
Video 1: Official LEONLITE overview of the 4FT Motion Activated LED Shop Light, demonstrating features and installation.

## 4. OPERATING INSTRUCTIONS

The LEONLITE Motion Sensor LED Shop Light features an integrated motion sensor for automatic operation.

- **Motion Detection:** The built-in motion sensor detects movement within a 16.4ft radius. Upon detection, the light will automatically turn on.
- **Automatic Shut-off:** Once activated, the light will remain on for approximately 10 minutes. If no further motion is detected within this period, the light will automatically turn off to conserve energy. The timer resets with each new motion detection.
- **Hands-Free Operation:** No manual switch is required for daily use, providing convenience in busy environments.

- Auto-on when motion is detected
- Auto-off at 10min after no motion is detected



**Hint:** Detection distance is 32.8ft when hang height is 32.8ft  
Detection distance may vary from different hang height

Figure 5: Motion sensor detection range and auto-off feature.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your LED shop light.

- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth to wipe the fixture. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical components.
- **Inspection:** Periodically check the power cord and connections for any signs of wear or damage. Ensure mounting hardware remains secure.
- **LED Lifespan:** The integrated LED chips have an estimated lifespan of 50,000 hours, reducing the need for frequent bulb replacements.

## 6. TROUBLESHOOTING

If you encounter issues with your LEONLITE Motion Sensor LED Shop Light, refer to the following common solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power supply. Motion sensor not triggered.	Check power connection and circuit breaker. Ensure motion is within the detection range.
Light turns off too quickly.	No continuous motion detected.	Ensure continuous motion within the detection range to reset the 10-minute timer.
Light flickers or buzzes.	Loose connection. Electrical interference.	Check all electrical connections. Ensure proper grounding and minimize interference from other devices.

If the problem persists after attempting these solutions, please contact customer support.

## 7. SPECIFICATIONS







Feature	Detail
Brand	LEONLITE
Model Number	XL1SL-40W50-MSS
Wattage	40 watts
Brightness	4000 Lumens
Light Color	Daylight (5000K)
Voltage	120 Volts
Product Dimensions	49.6"L x 2.95"W x 5.51"H
Material	Metal plate, Polycarbonate
Lifespan	50,000 hours
Motion Sensor Range	16.4ft radius
Auto-off Time	10 minutes (after no motion)
Linkable Units	Up to 4 units
Certifications	ETL Qualified, FCC Certified

## 8. WARRANTY AND SUPPORT

This LEONLITE product is backed by a 3-year warranty, ensuring reliability and performance. For technical support, troubleshooting assistance, or warranty claims, please contact LEONLITE customer service. Keep your purchase receipt as proof of purchase.

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## Related Documents - XL1SL-40W50-MSS

	<p><a href="#">LeonLite LED Motion Security Light User Manual</a></p> <p>User manual for the LeonLite LED Motion Security Light, covering installation, operation, and warranty information. Includes safety warnings and product specifications.</p>
	<p><a href="#">LeonLite 5W AC/DC 12V Low Voltage LED Landscape Light - Directional Outdoor Lighting</a></p> <p>Explore the LeonLite 5W AC/DC 12V LED Landscape Light, designed for durable outdoor illumination. Features corrosion-resistant aluminum housing, IP65 waterproof rating, adjustable lamp head, and a 5-year warranty.</p>
	<p><a href="#">LeonLite LITEdge LED Wall Light User Manual - Installation and Specifications</a></p> <p>Comprehensive user manual for the LeonLite LITEdge LED Wall Light, including installation guides, safety instructions, troubleshooting, specifications, and warranty information.</p>
	<p><a href="#">LeonLite 5W Waterproof Deck Light User Manual   Installation, Specifications, and Troubleshooting</a></p> <p>User manual for the LeonLite 5W Waterproof Deck Light, providing detailed installation instructions, package contents, technical specifications, troubleshooting guide, and warranty information. Essential for proper setup and maintenance of your outdoor lighting.</p>
	<p><a href="#">LeonLite LITEdge 4-Light Smart Ceiling Fixture User Manual and Quick Start Guide</a></p> <p>Comprehensive guide for the LeonLite LITEdge 4-Light Smart Ceiling Fixture, covering features, installation, app pairing, troubleshooting, and frequently asked questions. Learn how to set up and use your smart lighting solution.</p>
	<p><a href="#">LeonLite LED Motion Security Light User Manual</a></p> <p>User manual for the LeonLite LED Motion Security Light, covering installation, operation, and warranty information. Includes safety warnings and product specifications.</p>