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› LEONLITE COB LED Security Light User Manual - Model SL1SCT-20WRSS50-BRZ-RN

LEONLITE SL1SCT-20WRSS50-BRZ-RN

LEONLITE COB LED Security Light User Manual

Model: SL1SCT-20WRSS50-BRZ-RN

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your LEONLITE COB LED Security Light. Designed for outdoor use, this light features a high-quality motion sensor, dusk-to-dawn functionality, and adjustable light heads for optimal coverage. Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

SAFETY INFORMATION

WARNING: Risk of electric shock. Disconnect power at the fuse or circuit breaker before installation or servicing. All wiring connections must be in accordance with local and national electrical codes (NEC). If you are unfamiliar with proper electrical wiring connections, consult a qualified electrician.

- Ensure the power supply is turned off before installation.
- Do not install on a dimmer switch.
- This product is intended for outdoor use and is IP65 waterproof rated.
- Operating voltage: 100-277V AC.
- Do not attempt to disassemble or modify the light fixture.

PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- LEONLITE COB LED Security Light (1 unit)
- Mounting Hardware (screws, wire nuts, mounting plate)
- Instruction Manual



Image: The security light and its included mounting hardware, such as the mounting plate, screws, and wire nuts.

PRODUCT OVERVIEW

The LEONLITE COB LED Security Light features two adjustable light heads and an integrated motion sensor. The sensor module includes controls for adjusting light sensitivity (Lux), duration (Time), and detection range (Range).

Simple, Precise Motion Sensor Control

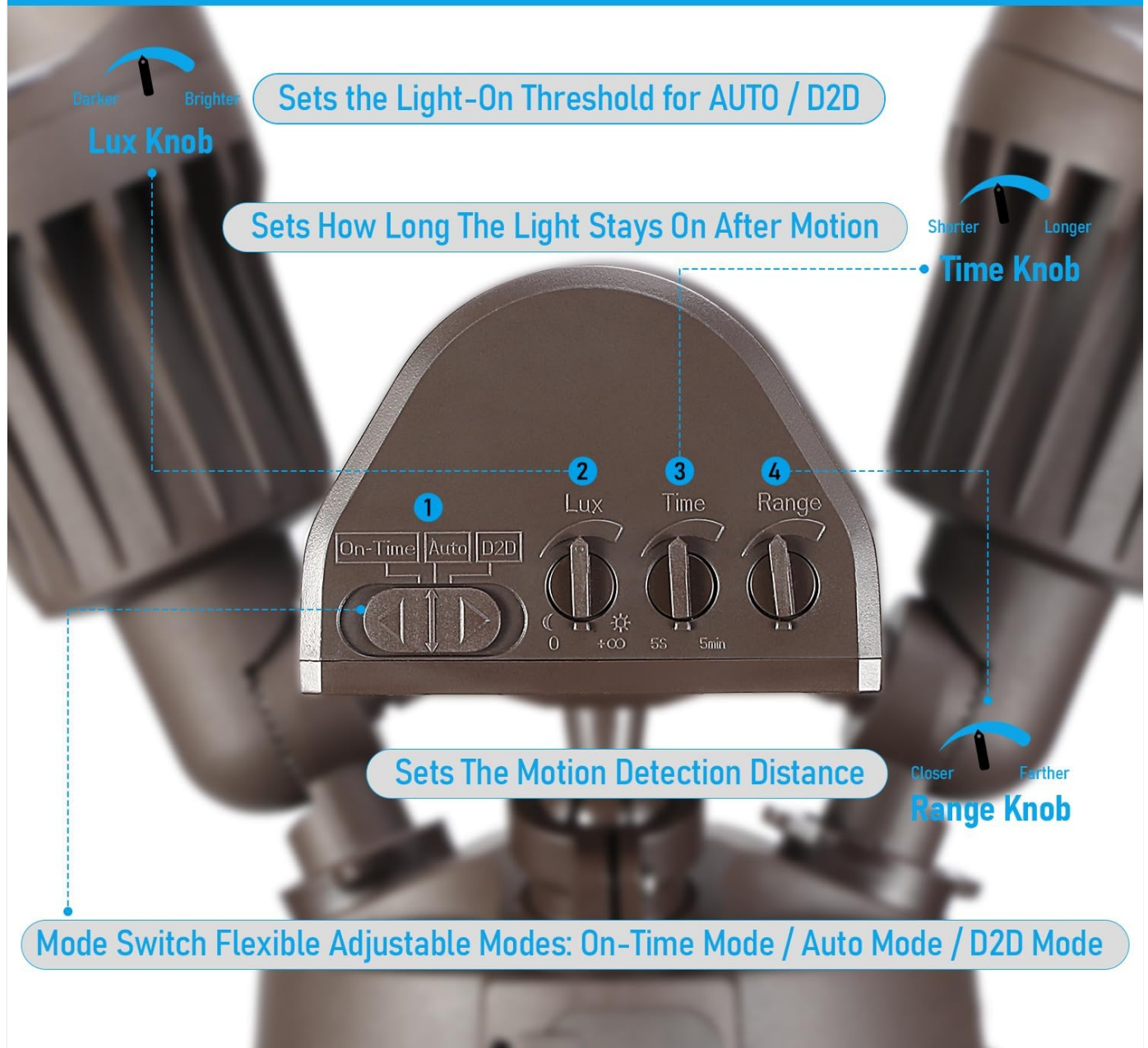


Image: A detailed view of the motion sensor module, highlighting the Lux, Time, and Range adjustment knobs, along with the mode selection switch.

Point Light Exactly Where Needed



Image: Illustration demonstrating the 180-degree light head adjustment, 360-degree side-to-side aiming, and 360-degree adjustable motion sensor for directing light precisely.

SETUP AND INSTALLATION

Before installation, ensure the power is OFF at the circuit breaker. This light can be installed in two primary configurations: wall-mounted or eave-mounted.

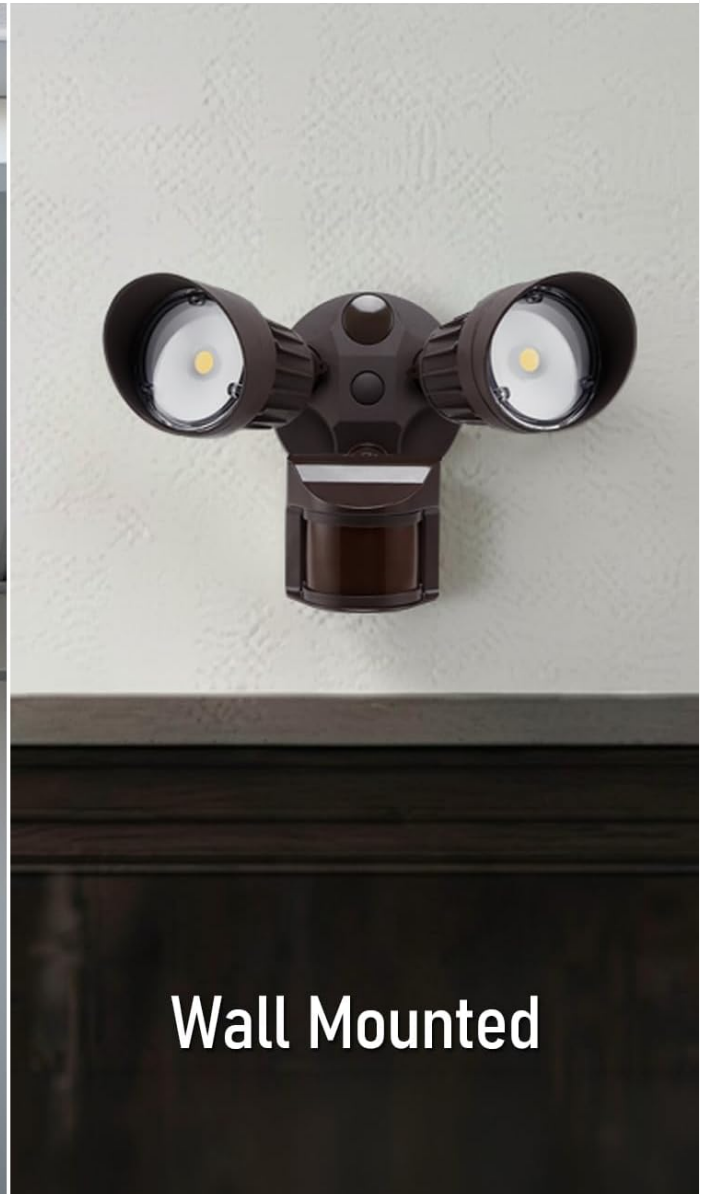
Mounting Options

- **Wall Mounted:** The light is installed directly onto a vertical wall surface.
- **Eave Mounted:** The light is installed underneath an eave or horizontal surface.

Two Mounting Options



Eave Mounted



Wall Mounted

Image: Two examples showing the security light installed, one mounted under an eave and the other directly on a wall.

Wiring Instructions

1. Turn off power at the circuit breaker.
2. Attach the mounting plate to the junction box using the provided screws.
3. Connect the wires:
 - Connect the black wire from the fixture to the black (Live) wire from the junction box.
 - Connect the white wire from the fixture to the white (Neutral) wire from the junction box.
 - Connect the green (Ground) wire from the fixture to the bare copper or green (Ground) wire from the junction box.
 - Secure connections with wire nuts.
4. Carefully tuck all wires into the junction box.
5. Mount the fixture to the mounting plate, ensuring a secure fit.
6. Restore power at the circuit breaker.

Your browser does not support the video tag.

Video: An official seller video demonstrating the wiring and installation process for the COB LED Security Light.

OPERATING INSTRUCTIONS

Your LEONLITE security light offers three operational modes and adjustable sensor settings.

Mode Selection

Use the mode switch on the motion sensor to select one of the following modes:

- **On-Time Mode:** The light stays on continuously until manually turned off. Sensor settings are disabled in this mode.
- **Auto Mode:** The light activates with motion detection only at night (after dusk) and turns off after a set duration if no further motion is detected.
- **Dusk-to-Dawn Mode (D2D):** The light automatically turns on at sunset and off at sunrise, providing continuous illumination throughout the night. Motion sensor functionality is bypassed.

Three Ways To Protect Your Home

Switch Modes For Worry-Free Lighting



ON-TIME MODE



Stay On Until You Turn It Off



D2D MODE



On at Dusk, Off at Dawn



AUTO MODE



Turns On with Motion After Dusk

Image: A visual guide explaining the On-Time, Dusk-to-Dawn (D2D), and Auto modes, showing when the light turns on and off for each setting.

Sensor Adjustments (for Auto Mode)

The motion sensor features three adjustable knobs:

- **Lux Knob:** Adjusts the ambient light threshold for activation. Turn towards 'Darker' for the light to activate in lower light conditions, or towards 'Brighter' for it to activate in brighter conditions.
- **Time Knob:** Sets how long the light remains on after motion is detected and no further motion is sensed. Adjustable from approximately 5 seconds to 5 minutes.
- **Range Knob:** Controls the motion detection distance. Turn towards 'Closer' to reduce the detection range or 'Farther' to extend it up to 59 feet. The sensor has a 180° sensing angle.

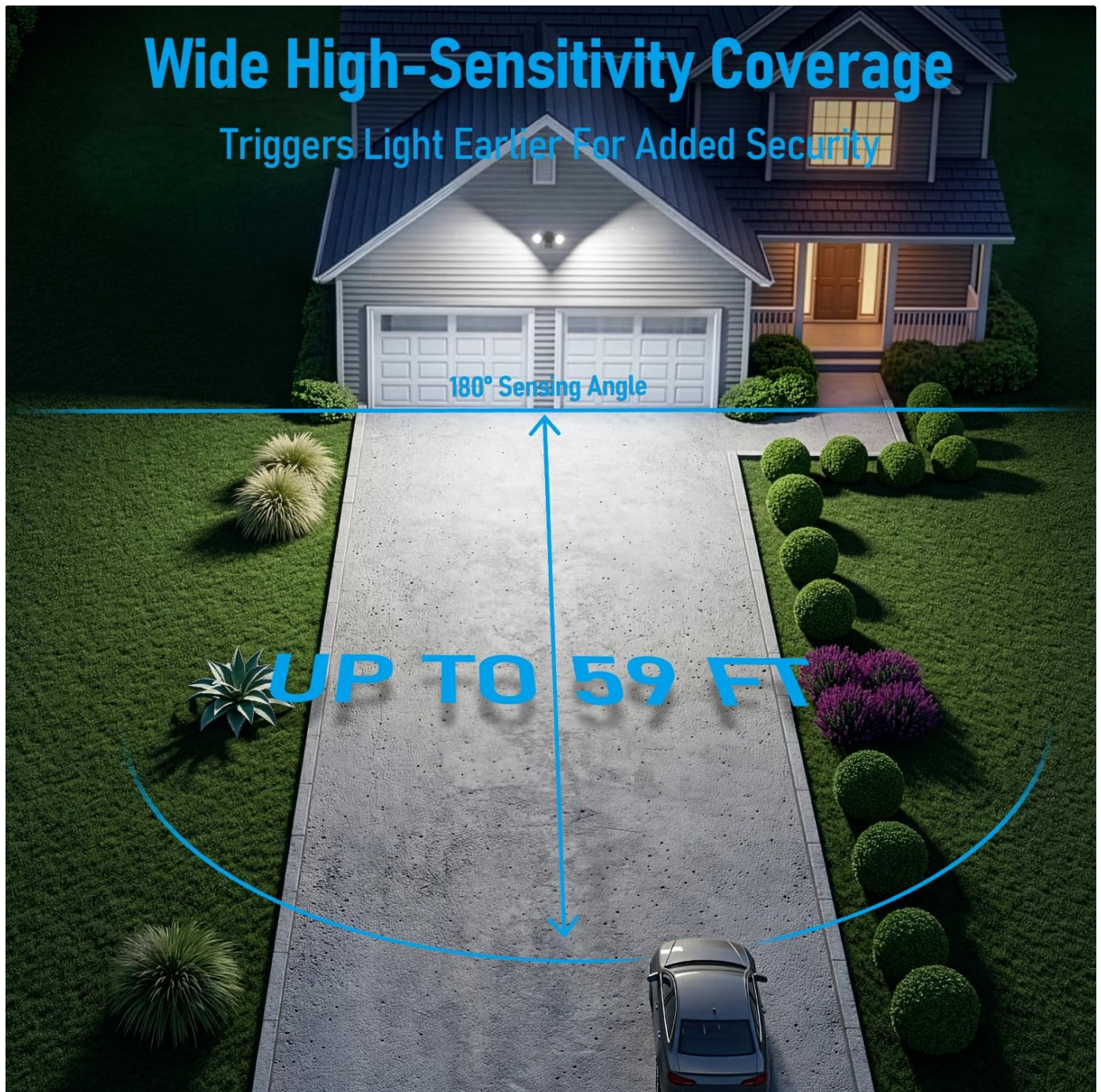


Image: An overhead view illustrating the wide 180-degree sensing angle and the maximum detection range of up to 59 feet for the motion sensor.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your security light.

- **Cleaning:** Periodically wipe the light fixture and motion sensor lens with a soft, damp cloth to remove dirt, dust, or debris. Do not use abrasive cleaners or solvents.
- **Inspection:** Annually inspect the wiring and mounting for any signs of wear, damage, or loose connections. Ensure the light heads and sensor are securely positioned.
- **Bulb Replacement:** This fixture uses integrated LED technology and does not require bulb replacement.

TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Light does not turn on.	No power, incorrect wiring, Lux setting too high (in Auto mode).	Check circuit breaker. Verify wiring connections. Adjust Lux knob towards 'Darker'.
Light stays on continuously.	Mode switch set to On-Time or D2D, continuous motion detected, faulty sensor.	Switch to Auto mode. Ensure no objects are causing constant motion detection. If problem persists, contact support.
Light flickers or cycles on/off rapidly.	Interference, unstable power, sensor malfunction.	Check for nearby heat sources or reflective surfaces. Ensure stable power supply. If flickering continues, contact support.
Motion sensor not detecting movement.	Incorrect Range setting, obstructed sensor, extreme temperatures.	Adjust Range knob towards 'Farther'. Clear any obstructions from the sensor's view. Sensor performance may vary in extreme weather.

SPECIFICATIONS

Feature	Detail
Brand	LEONLITE
Model Number	SL1SCT-20WRSS50-BRZ-RN
Power Source	AC
Voltage	100-277V
Wattage	25 watts
Brightness	2500 Lumens
Color Temperature	5000 Kelvin (Daylight)
Material	Aluminum
Water Resistance Level	IP65 Waterproof
Motion Sensor Range	Up to 59 feet

Feature	Detail
Motion Sensor Angle	180 degrees
Lifespan	Up to 50,000 hours
Certifications	ETL & FCC Listed
Dimensions (L x W x H)	7.5"L x 6.3"W x 7.6"H
Item Weight	2.05 Pounds



Image: Technical drawing showing the dimensions of the security light, including length, width, and height in both inches and millimeters.

WARRANTY AND SUPPORT

This LEONLITE COB LED Security Light is backed by a **3-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For technical assistance, warranty claims, or general inquiries, please contact LEONLITE customer support through their official website or the retailer where the product was purchased. Please have your model number (SL1SCT-20WRSS50-BRZ-RN) and proof of purchase available.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question