



# AmeriTop SL-03M Solar Motion Sensor Light Operating Manual

[Home](#) » [AmeriTop](#) » AmeriTop SL-03M Solar Motion Sensor Light Operating Manual 

## Contents

- [1 AmeriTop SL-03M Solar Motion Sensor Light](#)
- [2 INTRODUCTION](#)
- [3 SPECIFICATIONS](#)
- [4 WHAT'S IN THE BOX](#)
- [5 FEATURES](#)
- [6 SETUP GUIDE](#)
- [7 CARE & MAINTENANCE](#)
- [8 TROUBLESHOOTING](#)
- [9 PROS & CONS](#)
- [10 WARRANTY](#)
- [11 FREQUENTLY ASKED QUESTIONS](#)
- [12 References](#)
- [13 Related Posts](#)



**AmeriTop SL-03M Solar Motion Sensor Light**



## INTRODUCTION

A strong and energy-efficient lighting option, the AmeriTop SL-03M Solar Motion Sensor Light is made to improve the safety of your house or outdoor areas. This solar-powered light uses the sun's energy during the day to offer dependable, bright illumination at night. With its powerful 800-lumen brightness, it brightens your driveway, walkway, or yard. Without requiring a manual switch, the motion sensor ensures safety and security by detecting movement within a predetermined range and turning on the light. This product is an environmentally friendly choice because of its 20% conversion rate, which improves its energy efficiency. For convenience, the light offers a touch-controlled feature and a sleek appearance. This lamp, which retails for \$44.97, was introduced on July 9, 2024 by AmeriTop, a well-known producer of energy-efficient lighting products.

## SPECIFICATIONS

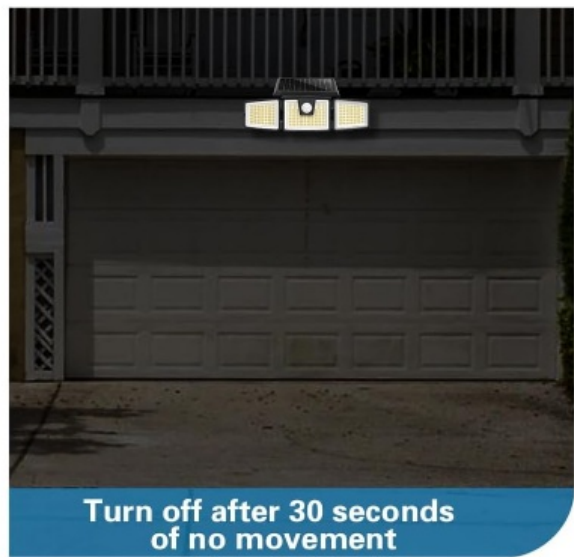
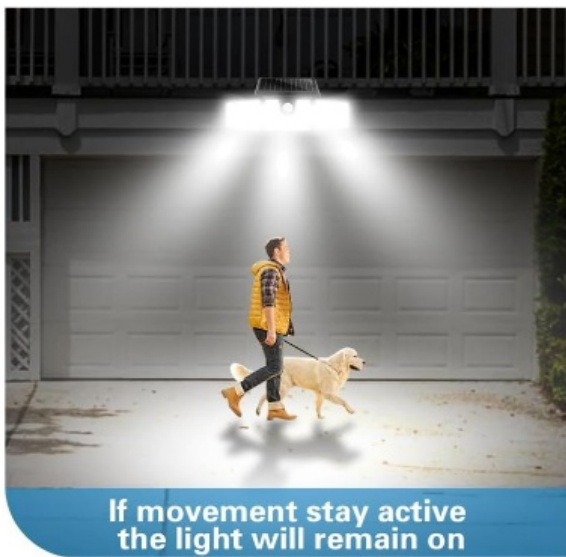
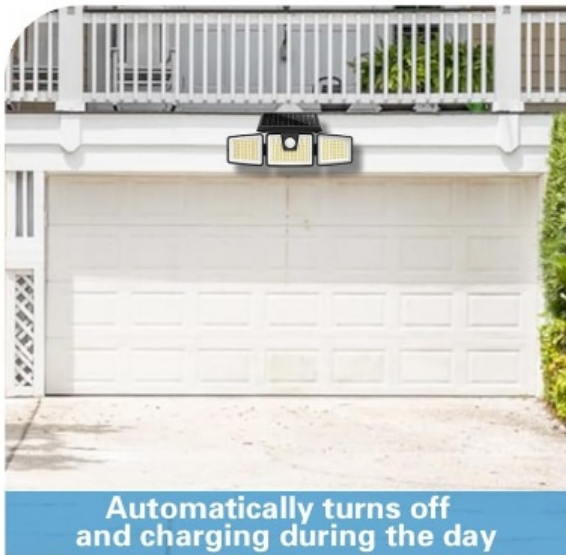
Brand	AmeriTop
Power Source	Solar Powered
Special Feature	Motion Sensor
Control Method	Touch
Light Source Type	LED
Voltage	12 Volts (DC)
Switch Type	Touch
Brightness	800 Lumen
Efficiency	20%
Color Temperature	6500 Kelvin
Product Dimensions	11 x 4.5 x 5.5 inches
Weight	4.28 Pounds
Item Model Number	SL-03M
Date First Available	July 9, 2024
Manufacturer	AmeriTop

## WHAT'S IN THE BOX

- Solar Motion Sensor Light
- Manual

## FEATURES

- **Super Bright LED Technology:** The light has integrated SMD 2835 high-brightness LEDs that provide strong illumination for safety.
- **Polycrystalline Silicon Solar Panel:** Even in the winter, the improved solar panel's high conversion rate of up to 20% guarantees effective energy gathering.
- **Smart Motion Sensor:** The built-in motion sensor automatically turns on and off the light when it detects movement up to 26 feet away.



- **Broad Lighting Coverage:** With three movable heads, the creative design offers a 270° wide lighting angle to illuminate bigger spaces.
- **Adjustable Heads and Sensing Angle:** You can change the illumination direction to suit your demands by moving the light heads up, down, and horizontally.



- **Eco-responsible:** The light uses only solar power, which lowers electricity expenses and offers an environmentally responsible outdoor lighting option.
- **All-Weather Durability:** The light's IP65 waterproof rating and sturdy ABS construction allow it to endure rain, snow, and sleet.





- **Extreme Weather Resistance:** The light is designed to withstand harsh weather, guaranteeing dependable operation all year long.
- **Simple Installation:** No adapters or wiring are required. The light may be easily mounted on any outside wall, whether it is made of plastic, metal, or wood, using the provided screws.
- **Versatile Use:** Fits well in a range of outdoor spaces, including patios, driveways, parking lots, gardens, yards, and entryways.
- **800 Lumens of brightness:** The light effectively illuminates outdoor areas and improves security with its 800 lumens of brightness.
- **Touch Control Functionality:** The light is simple to use thanks to its touch-sensitive switch.
- **Cordless Design:** Without the need for extra wire or electrical connections, the cordless design guarantees a neat and easy setup.

## SETUP GUIDE

- **Unpack the Light:** Start by opening the solar motion sensor light's box and making sure all the parts—such as screws and mounting hardware—are there.
- **Choose an Installation Location:** For the best solar energy collection, pick an outside spot where the light can receive direct sunshine throughout the day.
- **Mounting the lamp:** Attach the lamp to any external wall using the screws that come with it, making sure to angle it correctly for optimal light coverage.
- **Light Head Adjustment:** To make sure the three movable light heads illuminate the required areas, like patios,

sidewalks, and driveways, place them in the desired direction.

- **Set the Motion Sensor Angle:** Make sure the motion sensor can detect movement up to 26 feet within the specified range.
- For the best charging during the day, position the solar panel so that it faces the sun. Steer clear of obstacles like buildings or trees.



- After installation, use the touch switch to activate the motion sensor. The light should then automatically detect movement and turn on.
- **Modify the Sensitivity:** Adapt the motion sensor's placement if it must detect movement at a greater or smaller distance.
- **Verify the Light's Coverage Area:** Make that the lighting area is sufficiently large to illuminate the intended outdoor area, and adjust the heads as necessary to get complete coverage.
- **Check for Obstructions:** Make sure that nothing, like hanging plants or debris, is in the way of the motion sensor or the solar panel, as this could impair performance.
- **Place the Light in a Secure Location:** Place the light far from places where it may be easily damaged, including close to busy streets or places where people are likely to bump into it.
- **Ascertain Appropriate Battery Charging:** Position the light such that the solar panel gets enough daily sunlight to completely charge the battery.
- **Make Sure the Light switches Off Automatically:** Make sure the light switches off automatically after 30

seconds of inactivity once the sensor detects no movement.

- **Secure the Light's Position:** After the light is assembled, make sure it is attached securely to prevent any movement or instability.

## CARE & MAINTENANCE

- **Clean the Solar Panel Frequently:** Use a gentle cloth to wipe the solar panel clear of any dust, debris, or grime that can obstruct sunlight and lower charging performance.
- **Check for Motion Sensor Obstructions:** Make sure that nothing could prevent the motion sensor from sensing movement, such as furniture or plants.
- **Change the Battery When Necessary:** If the light begins to dim or doesn't function as it should, think about changing the rechargeable battery that powers it.
- **Examine for Weather Damage:** Occasionally examine the light for indications of weather-related damage, such as corrosion or cracks.
- **Test the Light's Function:** Walk inside the sensor's detection range on a regular basis to check the light's motion detection and illuminating capabilities.
- **Remove Any Debris from the Light Heads:** Make sure the light heads are free of any debris that can impede the light's output, such as dust or leaves.
- **Verify the mounting screws** to make sure the light is firmly fixed to the wall or fixture. Tighten any loose bolts or screws.
- **Verify Solar Panel Exposure:** Make that the solar panel is not obstructed by anything that could prevent it from absorbing sunlight, such as snow, leaves, or dirt.
- **Prevent Physical Damage:** Keep items away from the light that can harm the motion sensor, solar panel, or LED lights.
- **Replace Damaged Parts:** To keep the light functioning properly, replace any broken or damaged parts as soon as possible.
- **Store in Extreme Weather:** To avoid damage, think about turning off the light during severe weather if you reside in an area that experiences severe winters or storms.
- **Check Light Brightness:** A new battery or cleaning of the solar panel may be necessary if the brightness appears to be declining over time.
- **Ascertain Appropriate Motion Sensor Range:** To preserve an appropriate detection range, clean the lens or modify the sensitivity of the motion sensor if it starts to become less responsive.
- **Periodically Adjust Light Heads:** As ambient circumstances change, review the light's head placements and angle to guarantee appropriate coverage.
- **Test and Reset:** To troubleshoot and restore functionality, turn the system off and back on if the light isn't functioning properly.

## TROUBLESHOOTING



Issue	Solution
Light doesn't turn on.	Ensure the solar panel is not obstructed and gets sufficient sunlight.
Dimming or low brightness.	Check if the light has been exposed to enough sunlight during the day.
Motion sensor not triggering.	Verify the sensor is not blocked by dirt or debris. Clean the sensor lens to restore function.
Light stays on all the time.	Reset the touch control by pressing the button and allowing the light to recharge.
Light flickers.	Inspect the battery for any loose connections and ensure it is properly installed.
Light is too dim even in full sun.	Check the battery's performance and replace it if necessary.
The motion sensor detects objects too far.	Adjust the position of the light or modify the angle of the sensor for better detection range.
Poor performance during cloudy weather.	Ensure the light receives direct sunlight daily to maximize its solar charging efficiency.
Light doesn't respond to motion at night.	Check the light's angle and ensure the sensor is not obstructed or facing the wrong direction.
The light doesn't stay on long enough.	Adjust the settings for the sensor to detect motion within the range and duration you prefer.

## PROS & CONS

### Pros

1. Efficient solar-powered operation reduces electricity costs.
2. 800 lumens provide bright illumination for outdoor areas.
3. Motion sensor enhances security and saves energy.
4. Weather-resistant design ensures durability in harsh conditions.
5. Easy to install with no wiring needed.

### Cons

1. Only works in areas with ample sunlight.
2. Motion detection may not be perfect in areas with heavy obstructions.
3. Requires direct exposure to sunlight for optimal performance.
4. The light may be too bright for some users' preferences.
5. The motion sensor's range may vary based on environmental factors.

## WARRANTY

The AmeriTop SL-03M Solar Motion Sensor Light comes with a **1-year limited warranty** from the manufacturer. This warranty covers defects in materials or workmanship, giving customers peace of mind with their purchase. In case of any issues, you can contact AmeriTop's customer support for assistance.

## FREQUENTLY ASKED QUESTIONS

What type of power source does the AmeriTop SL-03M Solar Motion Sensor Light use?

The AmeriTop SL-03M Solar Motion Sensor Light is powered by solar energy, offering an eco-friendly and cost-effective lighting solution for outdoor spaces.

What is the special feature of the AmeriTop SL-03M Solar Motion Sensor Light?

The AmeriTop SL-03M Solar Motion Sensor Light comes with a motion sensor, allowing it to automatically activate and illuminate when movement is detected, enhancing security in dark areas.

How is the AmeriTop SL-03M Solar Motion Sensor Light controlled?

The AmeriTop SL-03M Solar Motion Sensor Light features a touch switch, making it easy to operate and control the light settings with just a touch.

What type of light source is used in the AmeriTop SL-03M Solar Motion Sensor Light?

The AmeriTop SL-03M Solar Motion Sensor Light uses LED light sources, known for their brightness, energy efficiency, and long lifespan, making it perfect for outdoor use.

What is the brightness of the AmeriTop SL-03M Solar Motion Sensor Light?

The AmeriTop SL-03M Solar Motion Sensor Light offers a brightness of 800 lumens, providing strong and clear illumination for driveways, yards, and pathways.

What is the voltage of the AmeriTop SL-03M Solar Motion Sensor Light?

The AmeriTop SL-03M Solar Motion Sensor Light operates at a 12-volt (DC) voltage, suitable for efficient solar energy use and providing reliable performance.

What is the efficiency of the AmeriTop SL-03M Solar Motion Sensor Light?

The AmeriTop SL-03M Solar Motion Sensor Light has an efficiency rating of 20%, which ensures that it effectively converts solar energy into usable light.

What is the color temperature of the AmeriTop SL-03M Solar Motion Sensor Light?

The AmeriTop SL-03M Solar Motion Sensor Light emits a 6500 Kelvin color temperature, offering a bright, daylight-like illumination perfect for outdoor areas.

## References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.