Nuvo SF76/502

Nuvo SF76/502 Outdoor Security Flood Light with Motion Sensor User Manual

Model: SF76/502

1. INTRODUCTION

This manual provides comprehensive instructions for the safe installation, operation, and maintenance of your Nuvo SF76/502 Outdoor Security Flood Light with Motion Sensor. Please read this manual thoroughly before installation and retain it for future reference. This product is designed for outdoor use to provide security lighting with motion detection capabilities.

Package Contents:

- Nuvo SF76/502 Flood Light Fixture
- Mounting Hardware (screws, wire nuts)
- User Manual

Figure 1: Nuvo SF76/502 Outdoor Security Flood Light with two adjustable lamp heads and a central motion sensor.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. Disconnect power at the fuse or circuit breaker before installation or servicing.

- Always turn off the main power supply before attempting any electrical installation or maintenance.
- Installation must be performed by a qualified electrician or in accordance with local electrical codes.
- Ensure the product is properly grounded to avoid potential electric shock.
- Do not install on surfaces that are unstable or cannot support the weight of the fixture.
- Use only PAR38 bulbs as specified. Do not exceed the maximum wattage of 150 watts per bulb.
- This fixture is rated for wet locations, but ensure all connections are sealed properly to prevent water intrusion.
- Keep flammable materials away from the light fixture during operation.
- Do not look directly into the light source when illuminated.

3. INSTALLATION

Follow these steps for proper installation of your security flood light.

3.1 Tools Required

- Screwdriver (Phillips and Flathead)
- Wire Strippers
- Pliers
- Electrical Tape
- Ladder (if installing at height)
- Voltage Tester

3.2 Mounting the Fixture

1. **Turn off Power:** Locate the circuit breaker controlling the outdoor lighting circuit and turn it OFF. Verify power is off using a voltage tester.
2. **Prepare Wiring:** If replacing an existing fixture, carefully remove it. Pull the electrical wires from the junction box.
3. **Attach Mounting Plate:** Secure the fixture's mounting plate to the junction box using the provided screws. Ensure it is flush and stable.
4. **Wire Connections:**

   - Connect the **black** wire from the fixture to the **black** (hot) wire from the junction box.
   - Connect the **white** wire from the fixture to the **white** (neutral) wire from the junction box.
   - Connect the **green** or bare copper ground wire from the fixture to the house ground wire.
   - Secure all connections with wire nuts and electrical tape.

5. **Mount Fixture Body:** Carefully tuck the wires into the junction box. Align the fixture body with the mounting plate and secure it with the provided screws. Ensure a tight seal to prevent moisture entry.

3.3 Bulb Installation

1. Ensure power is still OFF.
2. Screw two PAR38 bulbs (not included) into the lamp holders. Do not overtighten.
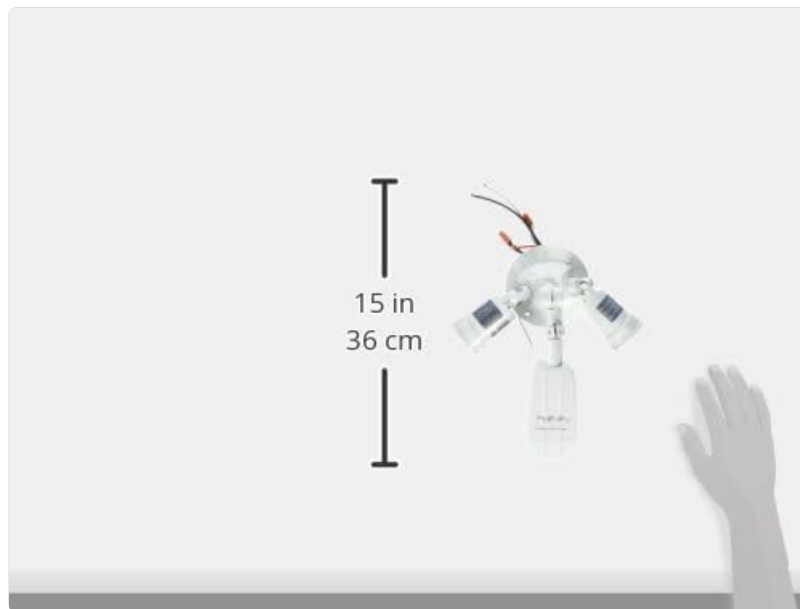3. Adjust the direction of the lamp heads as desired.

Figure 2: Approximate dimensions of the Nuvo SF76/502 flood light, showing a height of 15 inches (36 cm) for reference during installation.

4. OPERATION AND SETTINGS

After installation, restore power at the circuit breaker. The flood light is equipped with a motion sensor and adjustable settings.

4.1 Motion Sensor Adjustment

The motion sensor typically has controls for SENSITIVITY, TIME, and LUX (daylight sensor). These are usually small dials located on the sensor unit.

- **SENSITIVITY:** Adjusts the detection range of the motion sensor. Turn clockwise for a wider range, counter-clockwise for a narrower range. Test different settings to find the optimal detection area.
- **TIME:** Controls how long the light stays on after motion is detected. Turn clockwise to increase the duration, counter-clockwise to decrease it (e.g., from a few seconds to several minutes).
- **LUX (Daylight Sensor):** Determines the ambient light level at which the sensor becomes active.

  - Set to *"Sun"* icon for day and night operation (light will activate with motion regardless of ambient light).
  - Set to *"Moon"* icon for night-only operation (light will only activate with motion when it's dark).

Note: Allow a few minutes for the sensor to calibrate after power is restored or settings are changed.

5. MAINTENANCE

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

- **Cleaning:** Periodically clean the fixture with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the motion sensor lens is clear of dirt and debris for proper function.
- **Bulb Replacement:**

  1. Turn off power at the circuit breaker.
  2. Allow bulbs to cool completely before handling.
  3. Carefully unscrew the old PAR38 bulb.

4. Screw in a new PAR38 bulb (max 150W).

5. Restore power.

- **Inspection:** Annually inspect wiring and mounting for any signs of wear, damage, or loosening.

6. TROUBLESHOOTING

If your flood light is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	- No power to the fixture. - Bulbs are faulty or loose. - LUX setting is too high (daylight sensor).	- Check circuit breaker. - Replace or tighten bulbs. - Adjust LUX setting to "Moon" icon for night operation.
Light stays on continuously.	- Sensor is continuously detecting motion. - Wiring error. - Sensor faulty.	- Adjust SENSITIVITY to reduce detection range. Clear obstructions. - Verify wiring connections. - Contact customer support if sensor is faulty.
Light flashes on and off.	- Intermittent power. - Faulty sensor or bulb.	- Check wiring connections. - Replace bulbs. Test sensor settings.
Motion sensor range is too short/long.	- SENSITIVITY setting. - Obstructions.	- Adjust SENSITIVITY dial. - Ensure clear line of sight for the sensor.

7. SPECIFICATIONS

Feature	Detail
Brand	Nuvo
Model Number	SF76/502
Color	White
Material	Glass, Metal
Style	Open
Light Fixture Form	Wall Mount
Indoor/Outdoor Usage	Outdoor
Power Source	Corded Electric
Installation Type	Surface Mount
Special Feature	Motion Sensor, Base Medium, Voltage 120, Wattage 150
Light Source Type	Halogen (PAR38 recommended)

Feature	Detail
Number of Light Sources	2
Voltage	120 Volts
Wattage (Max per bulb)	150 watts
Bulb Base	E26 Medium
Water Resistance Level	Water Resistant (Wet Location Rated)
Product Dimensions	10"L x 9.5"W x 4.75"H
Item Weight	0.01 Ounces *(Note: This weight from source data may be inaccurate for a flood light fixture)*
Certification	UL Listed

8. WARRANTY AND SUPPORT

This Nuvo SF76/502 flood light comes with a **1-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.
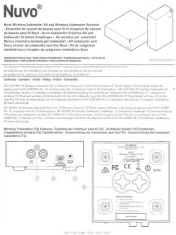
For warranty claims, technical support, or replacement parts, please contact Nuvo customer service. Keep your purchase receipt as proof of purchase.

Important: Any unauthorized modification or improper installation will void the warranty.

Related Documents - SF76/502

NuVo Grand Concerto and Essentia G Serial Control Protocol Guide
Technical guide detailing the RS232 serial control protocol for NuVo Grand Concerto and Essentia E6G whole-house audio systems. Covers commands, responses, and integration for automation.

[NUVO NV-LRC1 Learning Remote Control User's Guide](#)
Comprehensive user's guide for the NUVO NV-LRC1 universal learning remote control, detailing setup, programming, macros, learning functions, troubleshooting, and device codes for controlling audio and video equipment.

[Nuvo LCR Series Speakers: Installation Guide and Specifications](#)
Comprehensive installation guide and detailed specifications for Nuvo LCR Series speakers, including models NV-2IW5LCR, NV-4IW5-LCR, and NV-6IW6-LCR. Covers features, installation steps, technical data, and warranty information from Legrand.

[Nuvo Player App: Your Guide to Streaming Music and System Control](#)
Learn how to use the Legrand Nuvo Player App to stream music from your personal library or favorite services, manage zones, and customize your audio experience. This guide covers app navigation, adding streaming services, and understanding the playback screens.

[Nuvo Wireless Subwoofer Kit & Receiver Installation Guide and Specifications](#)
Learn how to install and set up your Nuvo Wireless Subwoofer Kit (NV-SUBTXRX) and Receiver (NV-SUBRX). This guide provides step-by-step instructions, feature highlights, detailed technical specifications, and regulatory compliance information for seamless wireless subwoofer integration.

[Nuvo Series SIX In-Ceiling Speakers: Installation Guide and Warranty Information](#)
Comprehensive guide for installing Nuvo Series SIX in-ceiling speakers (NV-2IC6, NV-4IC6, NV-6IC6, NV-2IC8, NV-4IC8, NV-6IC8). Includes detailed specifications, dimensions, installation steps, and limited warranty information from Legrand.