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NOVOSTELLA NTA22

NOVOSTELLA NTA22 LED Security Light User Manual

Model: NTA22 | Brand: NOVOSTELLA

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NOVOSTELLA NTA22 LED Security Light. Designed for outdoor use, this 45W, 5000lm, 5000K LED floodlight features a motion sensor, remote control, and adjustable heads, offering reliable and efficient illumination for various outdoor areas.

2. SAFETY INFORMATION

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

- Always turn off power at the circuit breaker before installing or servicing the fixture.
- Ensure proper grounding to avoid potential electrical hazards.
- Consult a qualified electrician if you are unsure about any part of the installation.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety risks.
- This product is rated for 120V AC. Ensure your power supply matches this requirement.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- 2 × LED Security Lights
- 2 × Screws
- 3 × Wire Connectors
- 1 × Mounting Bolt
- 1 × Mounting Bracket
- 1 × Gasket
- 1 × Rubber Plug
- 1 × IR Remote Control (with 1 CR2 battery included)

4. PRODUCT FEATURES

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- **IR Remote Control:** Easily adjust settings such as sensor mode, hold time, luminance detection, and sensor sensitivity without needing to access the physical unit.
 - **Motion Sensor Mode (PIR):** Activates the light to 100% brightness when motion is detected within a 60ft range.
 - **Motion Sensor Mode (DIM):** Activates the light to 100% brightness upon motion detection, then dims to 20% brightness after motion ceases.
 - **Dusk to Dawn Mode:** Automatically turns the light ON at dusk and OFF at dawn. Motion detection is inactive in this mode.
 - **Always ON Mode:** Allows the light to function as a standard light, controlled manually via the IR remote. Motion detection is inactive in this mode.
 - **High Brightness & Energy Efficiency:** 45W LED provides 5000 lumens of 5000K daylight, equivalent to a 400W incandescent fixture, saving over 80% in energy costs.
 - **Adjustable Design:** Features 3 adjustable heads and a movable sensor to customize illumination and detection areas.
 - **IP65 Waterproof:** Durable construction ensures safety and longevity for outdoor use in various weather conditions.

5. INSTALLATION GUIDE

Follow these steps for a secure and functional installation. It is recommended to watch the installation video for visual guidance.

5.1 Pre-Installation

- Turn off power at the circuit breaker before starting.
- Ensure the mounting surface is stable and can support the fixture's weight.
- Gather necessary tools: screwdriver, wire strippers, electrical tape (optional).

5.2 Mounting the Fixture

1. Attach the mounting bracket to your electrical box using the provided screws. Ensure it is securely fastened.
2. Connect the wires:
 - Connect the white wire from the fixture to the white (neutral) wire from your electrical box using a wire connector.
 - Connect the black wire from the fixture to the black (live) wire from your electrical box using a wire connector.
 - Connect the green (ground) wire from the fixture to the ground wire from your electrical box.
3. Carefully push the connected wires into the electrical box.
4. Align the fixture with the mounting bracket and secure it with the mounting bolt. Ensure the gasket and rubber plug are properly seated for weatherproofing.
5. Adjust the light heads and motion sensor to your desired angles.



Image: Securely attach the mounting bracket to the electrical box.



Image: Connect the white, black, and ground wires using wire connectors.



Image: The adjustable light heads and motion sensor allow for customized coverage.

5.3 Installation Video

For a visual walkthrough of the installation process, please refer to the official product video below:

Your browser does not support the video tag.

Video: Official installation and feature overview for NOVOSTELLA Security Lights. This video demonstrates the wiring and mounting process, as well as the various operational modes and remote control functions.

6. OPERATING INSTRUCTIONS

The NOVOSTELLA NTA22 LED Security Light is controlled using the included IR remote. Aim the remote directly at the motion sensor for optimal response. Ensure no obstacles are between the remote and the sensor. A distance within 16ft is recommended.

6.1 Remote Control Functions

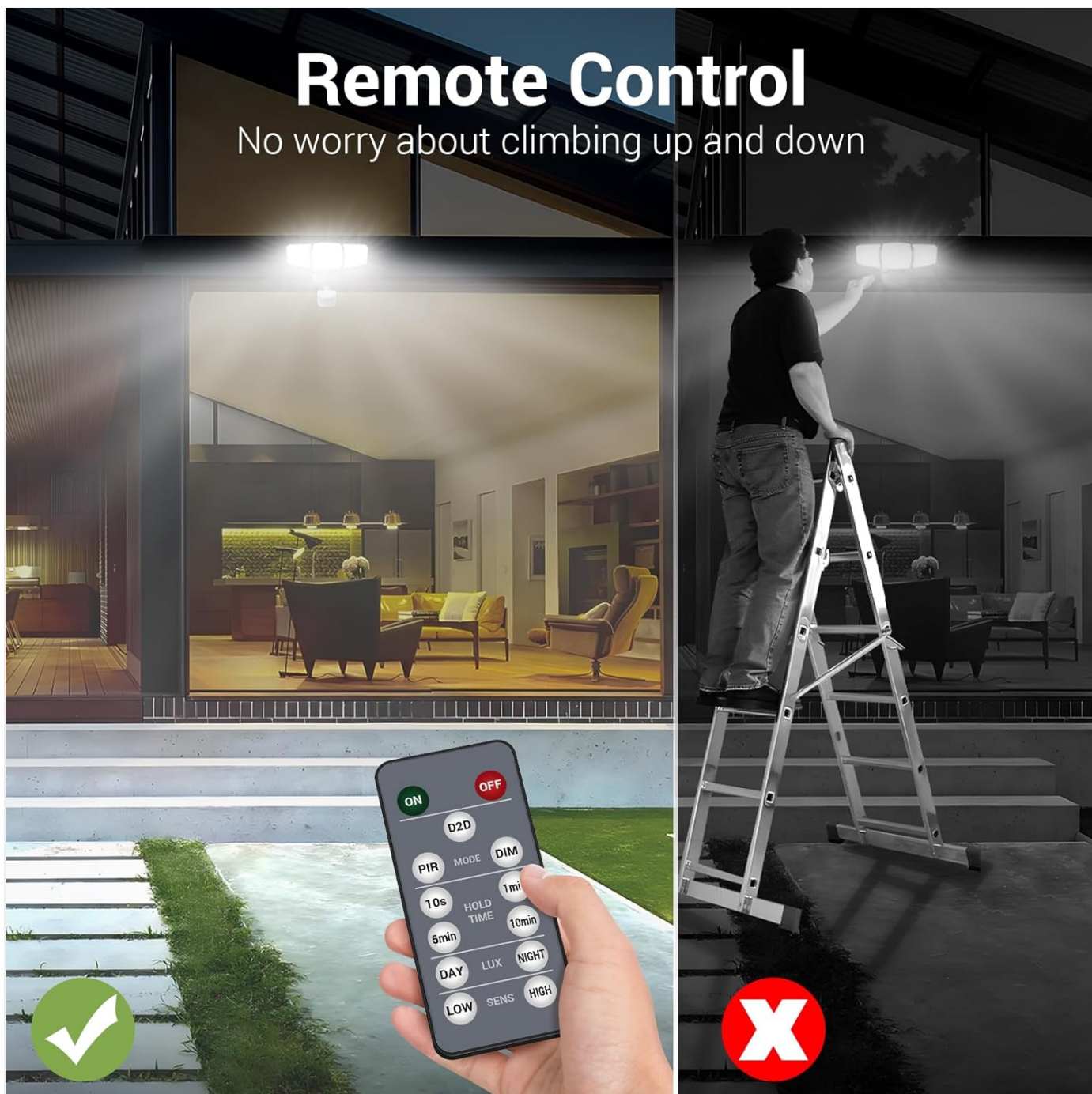


Image: The IR remote control allows for easy adjustment of light settings.

- **ON/OFF:** Manually turn the light on or off.
- **D2D (Dusk to Dawn):** Activates Dusk to Dawn mode. The light turns on automatically at dusk and off at dawn. Motion detection is disabled.
- **PIR (Motion Sensor - 100% Brightness):** Activates motion sensor mode. When motion is detected, the light turns on at 100% brightness.
- **DIM (Motion Sensor - 20% Dim):** Activates motion sensor mode. When motion is detected, the light turns on at 100% brightness, then dims to 20% brightness after motion ceases.
- **HOLD TIME (10s, 1min, 5min, 10min):** Sets how long the light remains at full brightness after motion is detected and then ceases.
- **LUX (DAY, NIGHT):** Adjusts the ambient light level at which the motion sensor becomes active.
 - **DAY:** Motion sensor is active during both day and night.
 - **NIGHT:** Motion sensor is active only when ambient light is low (at night).
- **SENS (LOW, HIGH):** Adjusts the sensitivity of the motion sensor.

- **LOW:** Reduced sensitivity, detects motion at closer distances.
- **HIGH:** Increased sensitivity, detects motion at longer distances (up to 60ft).

6.2 Understanding Modes

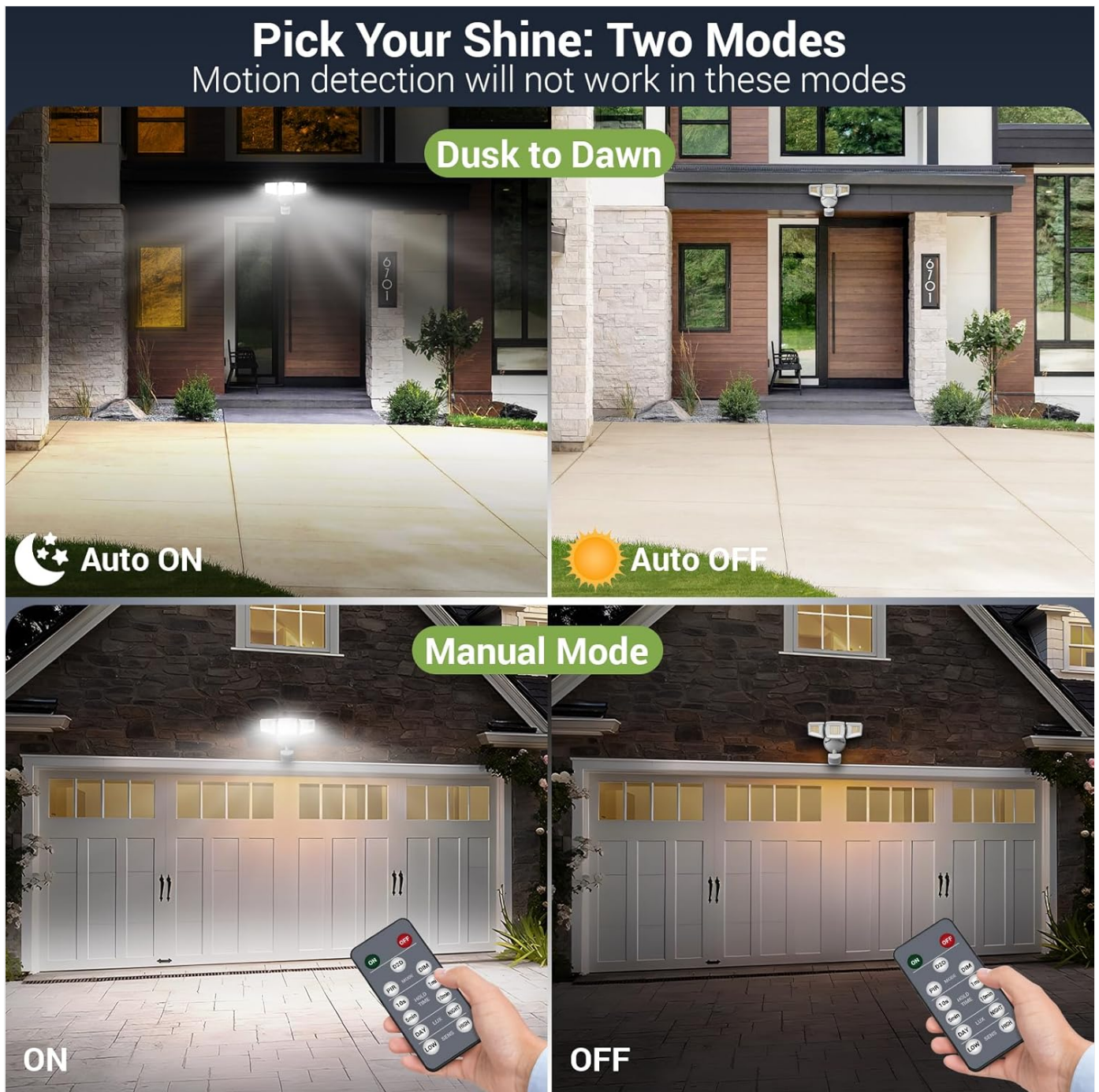


Image: Illustration of Dusk to Dawn (Auto ON/OFF) and Manual ON/OFF modes. Motion detection is not active in these modes.

Motion Sensor



Image: Comparison of PIR mode (100% brightness on motion) and DIM mode (100% on motion, then 20% dim).

7. MAINTENANCE

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

- **Cleaning:** Periodically wipe the light fixture and 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.
- **Sensor Area:** Keep the area around the motion sensor clear of obstructions (e.g., tree branches, tall plants) that could interfere with its detection capabilities.

8. TROUBLESHOOTING

If you encounter issues with your NOVOSTELLA NTA22 LED Security Light, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power, loose wiring, incorrect mode setting, faulty sensor.	Check circuit breaker. Verify all wire connections are secure. Ensure the remote is set to a motion-activated mode (PIR or DIM) or D2D mode at night. Test the sensor sensitivity.
Light stays on continuously.	Continuous motion, incorrect mode setting, sensor malfunction.	Ensure no constant motion in the detection area. Check if the light is set to "Always ON" mode. If in motion sensor mode, try adjusting sensor sensitivity (SENS LOW) or hold time.
Light flashes or flickers.	Unstable power supply, loose connection, incompatible dimmer (not dimmable via wall switch).	Verify stable power. Check wiring connections. This fixture is not designed for use with external dimmer switches.
Motion sensor not detecting.	Obstruction, incorrect sensitivity, LUX setting, sensor angle.	Clear obstructions. Set SENS to HIGH. Ensure LUX is set to DAY or NIGHT as appropriate. Adjust the sensor angle to cover the desired area.
Remote control not working.	Battery dead, remote out of range, obstruction.	Replace the CR2 battery in the remote. Ensure you are within 16ft and aiming directly at the sensor without obstructions.

9. SPECIFICATIONS

Feature	Detail
Brand	NOVOSTELLA
Model Name	NTA22 (LED Security Light)
Power Source	Corded Electric
Voltage	120 Volts (AC)
Wattage	45 watts
Brightness	5000 Lumens
Color Temperature	5000 Kelvin (Daylight White)
Light Source Type	LED
Material	Acrylonitrile Butadiene Styrene, Plastic
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP65 Waterproof
Control Method	Remote Control
Switch Type	Remote, Motion Sensor
Motion Sensor Range	Up to 60ft
Motion Sensor Angle	180°

Feature	Detail
Product Dimensions	8"L x 6"W x 13"H
Item Weight	3.34 pounds
Batteries Required	Yes (1 CR2 battery for remote, included)

10. WARRANTY INFORMATION

This NOVOSTELLA LED Security Light comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.


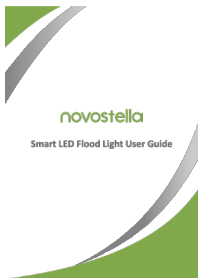
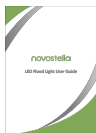

11. CUSTOMER SUPPORT

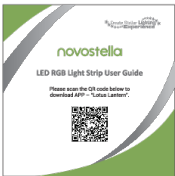

For further assistance, technical support, or to explore other NOVOSTELLA products, please visit the official NOVOSTELLA store:

[NOVOSTELLA Official Store](#)



Related Documents - NTA22

	Novostella Smart LED Flood Light User Guide - NTF96-RGBCW Installation & Parameters Comprehensive user guide for the Novostella Smart LED Flood Light (Model NTF96-RGBCW). Includes installation instructions, technical parameters, dimensions, component details, usage limitations, and FCC compliance information.
	Novostella Smart LED Flood Light User Guide - Setup, Pairing, and Voice Control Comprehensive user guide for the Novostella Smart LED Flood Light, covering installation, pairing with the Smart Life app, and integration with Amazon Alexa and Google Assistant for smart home control.
	Novostella LED Flood Light User Guide - NTF93 NTF94 Comprehensive user guide for Novostella LED Flood Lights (models NTF93 and NTF94). Includes detailed information on parameters, dimensions, package contents, installation instructions, RF remote controller operation, and FCC compliance. Learn how to set up and use your Novostella flood lights effectively.
	Novostella Smart LED Flood Light User Guide User guide for the Novostella Smart LED Flood Light, covering installation, setup with the Smart Life app, and voice control integration with Amazon Alexa and Google Assistant. Includes product parameters, dimensions, and FCC statements.

	<p>Novostella LED RGB Light Strip User Guide</p> <p>Comprehensive user guide for Novostella NTS51 and NTS101 LED RGB light strips. Includes product specifications, component details, safety warnings, installation instructions, RF remote control operation, DIY color creation, and guidance on using the Lotus Lantern mobile app for advanced control. Manufacturer information and contact details are also provided.</p>
	<p>Novostella NTF 71 & NTF 72 User Manual</p> <p>Comprehensive user manual for Novostella NTF 71 and NTF 72 lights, covering installation, components, dimensions, app pairing, grouping, and integration with Amazon Alexa and Google Assistant.</p>