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NOVSIGHT 4 Inch LED offroad driving light

NOVSIGHT 4 Inch LED Pods

X SERIES OFF ROAD DRIVING LIGHT USER MANUAL

Model: 4 Inch LED offroad driving light (A500-WL12-4D)

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your NOVSIGHT 4 Inch LED Pods, X Series Off Road Driving Lights. These lights are designed to enhance visibility and safety for off-road vehicles, trucks, Jeeps, Ford, UTVs, and ATVs. Please read this manual thoroughly before installation and use to ensure proper function and longevity of the product.



Image: A pair of NOVSIGHT 4 Inch LED Pods, showcasing their distinctive X-line design and robust construction, ready for off-road use.

2. Safety Information

- Always disconnect the vehicle's battery before beginning any electrical installation to prevent electrical shock or short circuits.
- Ensure all wiring connections are secure and properly insulated to prevent moisture ingress and corrosion.
- Mount the lights securely to prevent vibration and potential detachment during vehicle operation.
- Do not look directly into the light source when illuminated, as it can cause eye strain or damage.
- Verify that the installation complies with all local and national regulations regarding auxiliary lighting.
- The product is designed for 12 Volts DC systems. Do not connect to higher voltage systems.

3. Package Contents

Verify that all components are present before beginning installation:

- 2 x NOVSIGHT 4 Inch LED Pod Lights
- 1 x Wiring Harness (Plug-and-Play)
- 2 x Screwdrivers
- 2 x Nuts
- 2 x Brackets
- 6 x Screws
- 6 x Spacers
- 6 x Shims
- 2 x Amber Covers (Snap-on)



IP68 WATERPROOF

Exceptional waterproof performance ensures reliable performance in all weather conditions, protecting against rain, splashes, and submersion.

Image: An exploded view diagram illustrating all components included in the NOVSIGHT 4 Inch LED Pods package, such as the lights, wiring harness, mounting hardware, and amber covers.

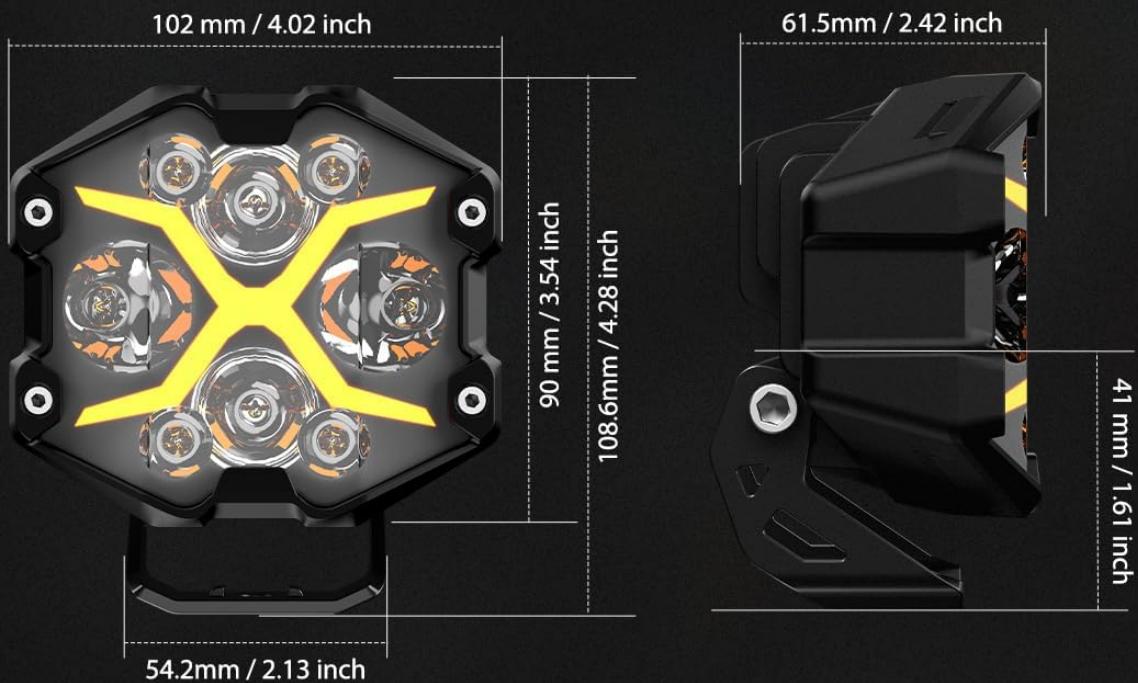
4. Specifications

Feature	Specification
Model	4 Inch LED offroad driving light (A500-WL12-4D)
Light Source Type	LED (SMD Chips)
Power (Per Pair)	60 Watts
Brightness (Per Pair)	6512 Lumens
Color Temperature (White)	6500 Kelvin (6000K)
Color Temperature (Amber DRL)	1700 Kelvin
Operating Voltage	12 Volts DC (10V-30V compatible)
Amperage	2.5 Amps
Material	Aluminum Housing, Polycarbonate (PC) Shade
Waterproof Rating	IP68
Product Dimensions (L x W x H)	4.02" x 2.42" x 3.55" (102mm x 61.5mm x 90mm)

Item Weight	4.09 pounds
Lifespan	50,000+ hours

PRODUCT SPECIFICATIONS

The stray light area is reduced and the light emitting effect is better



LED Quantity : SMD CHIPS

Power : 60W (PER PAIR)

Color Temperature : 6000K / 1700K

Operating Voltage : DC 10V - 30V

Beam Patterns : 3 LIGHT TYPES

Lumens : 6000LM (PER PAIR)

Material : ALUMINIUM

IP-CLASS : IP 68

Image: A technical diagram displaying the precise dimensions of the NOVSIGHT 4 Inch LED Pods and a summary of key specifications, including LED quantity, power, lumens, color temperature, material, operating voltage, and IP rating.

DUAL-LOCKING STRUCTURE

Front and back screw-fixing, double-sealed to prevent water ingress.

IP68
Waterproof

-40 ~ 80°C
-104 ~ 185°F
Temperature



Image: The NOVSIGHT LED Pods shown under simulated rain, highlighting their IP68 waterproof rating and dual-locking structure designed to prevent water ingress. Also indicates operating temperature range.

5. Setup and Installation

The NOVSIGHT LED Pods come with a plug-and-play wiring harness for simplified installation. Follow these steps:

- Preparation:** Ensure the vehicle's ignition is off and the battery is disconnected. Identify the desired mounting location for the LED pods (e.g., bumper, A-pillar, roof rack).
- Mounting the Lights:** Attach the provided brackets to the LED pods using the smaller screws and spacers.

Securely mount the assembled lights to your chosen location on the vehicle using appropriate hardware. Ensure the lights are aimed correctly.

3. **Wiring Connection:** Connect the LED pods to the included wiring harness. The harness is designed to connect directly to your vehicle's 12V power source (battery) and includes a switch for operation.
4. **Route Wiring:** Carefully route the wiring harness, ensuring it is secured away from moving parts, hot surfaces, and sharp edges. Use zip ties or cable clips as needed.
5. **Connect to Power:** Connect the positive (+) and negative (-) terminals of the wiring harness to your vehicle's battery terminals. Ensure correct polarity.
6. **Switch Installation:** Install the control switch in a convenient and accessible location within the vehicle's cabin.
7. **Final Check:** Reconnect the vehicle's battery. Test the lights to ensure they function correctly.



PERSONALIZE YOUR LIGHTS

Increase safety during rainy and foggy driving



Image: A Jeep Wrangler equipped with NOVSIGHT LED Pods, illustrating a typical installation scenario for off-road vehicles and showcasing the lights' appearance when mounted.

6. Operating Instructions

The NOVSIGHT 4 Inch LED Pods feature dual-color functionality (White and Amber DRL) and a main driving light. The included wiring harness switch allows for easy control.

- **White DRL (Daytime Running Light):** Activate this mode for a bright white accent light, enhancing vehicle visibility during the day.

- **Main Light Source:** Engage this mode for the primary, powerful white driving beam, providing extensive illumination for off-road trails and low-visibility conditions.
- **Amber DRL (Daytime Running Light):** Switch to this mode for an amber accent light, which can be particularly useful in foggy or dusty conditions, or for aesthetic preference. The snap-on amber covers can be used for additional amber light effect or protection.



Image: An illustration detailing the three distinct lighting modes of the NOVSIGHT LED Pods: White DRL, Main Light Source, and Amber DRL, along with the corresponding buttons on the control switch.

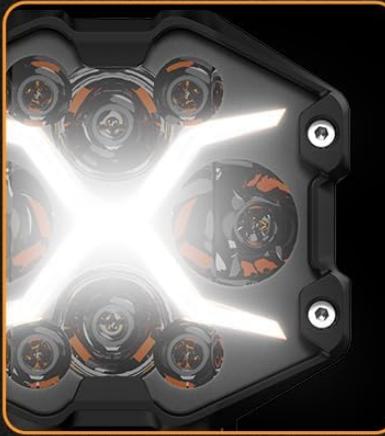


Image: A visual comparison demonstrating the light output difference between the amber light (with the snap-on cover) and the white light mode of the NOVSIGHT LED Pods, highlighting their respective color temperatures.



XPLORATION BUDDY

Dual color temperature for daytime running lights, enhancing aesthetic lighting



White:
6000K

Amber:
1700K

Image: A close-up view of the NOVSIGHT LED Pods illustrating the dual color temperature capabilities, showing both the white (6000K) and amber (1700K) light options for daytime running lights and main illumination.

7. Maintenance

- Cleaning:** Regularly clean the lenses with a soft cloth and mild soap and water to remove dirt, mud, and debris. Avoid abrasive cleaners or harsh chemicals that could damage the lens or housing.
- Inspection:** Periodically inspect the mounting hardware and wiring connections for tightness and signs of wear or corrosion. Tighten any loose bolts and replace damaged wiring as necessary.

- **Amber Covers:** If using the amber covers, ensure they are securely snapped onto the lights. Clean them as you would the main lenses.
- **Heat Dissipation:** Ensure the heat sinks on the back of the lights are free from obstructions to allow for proper heat dissipation, which is crucial for the longevity of the LEDs.

8. Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on.	No power, loose connection, blown fuse, faulty switch.	Check battery connections, inspect wiring harness for loose connections, check fuse in the wiring harness, test the switch.
Lights flicker or are dim.	Insufficient power, poor ground connection, loose wiring.	Ensure proper voltage supply (12V DC), check ground connection for corrosion or looseness, secure all wiring connections.
Moisture inside the lens.	Seal compromised, condensation.	Small amounts of condensation may dissipate naturally. If persistent or significant, inspect seals for damage. Ensure the self-dispersion breathing hole is clear.
Amber DRL not working.	Incorrect switch setting, wiring issue specific to DRL circuit.	Ensure the switch is set to the Amber DRL mode. Check wiring connections for the DRL circuit.

9. Warranty and Support

NOVSIGHT provides a 2-Year Warranty for the 4 Inch LED Pods. This warranty covers defects in materials and workmanship under normal use.

- **Warranty Claims:** For warranty service, please contact NOVSIGHT customer support with your proof of purchase and a description of the issue.
- **Exclusions:** The warranty does not cover damage caused by improper installation, misuse, accident, modification, or unauthorized repair.
- **Customer Support:** For technical assistance, troubleshooting, or general inquiries, please visit the official NOVSIGHT store on Amazon or their official website for contact information.

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Related Documents - 4 Inch LED offroad driving light

	<p>Auxbeam 4 Inch LED Fog Lights Installation and Information</p> <p>Comprehensive guide to Auxbeam's 4-inch LED Fog Lights, covering brand introduction, product features, installation steps, wiring diagrams, and troubleshooting tips for Jeep Wrangler models.</p>
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	<p>TYPE S Elevate 4" Spot Amber Driving Light Set Installation and Care Manual</p> <p>Comprehensive guide for installing and using the TYPE S Elevate 4" Spot Amber Driving Light Set (LM534400). Includes safety warnings, specifications, mounting options, wiring instructions, and warranty information.</p>
	<p>Exterior Lighting Systems Overview for Vehicles</p> <p>Comprehensive guide to vehicle exterior lighting systems, including automatic operation, manual controls, daytime running lights (DRL), headlights, fog lights, adaptive systems (AFS, ADB), and laser headlights.</p>
	<p>KC HiLiTES KC #6308 Wiring Harness Installation Instructions</p> <p>Detailed installation instructions for the KC HiLiTES KC #6308 Wiring Harness, designed for up to two 55W lights. Includes guidance on mounting, wiring, and aiming.</p>
	<p>MAXPEEDING RODS LED Driving Lights Product Manual - Specifications & Installation</p> <p>Comprehensive product manual for MAXPEEDING RODS LED driving lights, including specifications for square and round models (01001-01008), functionality details, package contents, and step-by-step installation instructions. Features 6000K color temperature and IP68 rating.</p>
	<p>Pyle PLUTV47R 4" Waterproof Off-Road Speakers User Guide</p> <p>Comprehensive user guide for the Pyle PLUTV47R 4-inch waterproof off-road speaker system. Features 800W power, RGB lights, remote control, and installation instructions for ATVs, UTVs, and other power sport vehicles.</p>