

[Manuals.plus](#) /

› [Nilight](#) /

› Nilight 4Pcs LED Pods 4Inch 60W Triple Row Flood Spot Combo Light Bar User Manual

Nilight 18021F-D

Nilight 4Pcs LED Pods User Manual

Brand: Nilight | Model: 18021F-D

1. PRODUCT OVERVIEW

The Nilight 4Pcs LED Pods are powerful and versatile lighting solutions designed for various off-road and automotive applications. This package includes four 4-inch, 60W LED light bars, each featuring a triple-row flood and spot combo beam for optimal illumination.



Image: The Nilight 4-piece LED pod light set, showing the product packaging and the four individual LED light pods.

Key Features:

- **Brightness:** Powerful 60W LED light bar with high-quality LED chips and clear PC lens, emitting 6000k pure white light for effective illumination of dark roads.
- **Combo Beam:** Features an appropriate combination of spot beam for focused, long-distance light and flood beam for widespread illumination.
- **Sliding Mounting Bracket:** Equipped with a sturdy bracket that firmly fixes the light bar, ensuring stability even on rugged terrain.
- **Waterproof Rate:** IP67 rated with seamless protective housing and waterproof glue, offering excellent performance against water, dust, and shocks.
- **Versatile Application:** Suitable for Jeeps, 4x4s, ATVs, UTVs, SUVs, Trucks, Cars, pickups, Vans, Campers, Road Buggies, Sand Rails, Trains, buses, Tanks, and more.

2. SETUP AND INSTALLATION

The Nilight LED Pods are designed for straightforward installation. Ensure your vehicle's electrical system is compatible with 12 Volts before proceeding.



Image: Diagram showing the dimensions of the LED pods, the adjustable mounting bracket, and a four-step installation process.

Installation Steps:

1. Identify the desired mounting location on your vehicle. The sliding mounting bracket allows for flexible positioning.
2. Attach the mounting brackets to the LED pods using the provided hardware.
3. Secure the assembled LED pods to your vehicle using the mounting hardware. Ensure a firm and stable attachment.
4. Connect the wiring to your vehicle's 12V power source. Professional installation is recommended if you are unfamiliar with automotive electrical systems.

The 45-degree adjustable angle of the bracket allows for easy direction changes to optimize light coverage.

3. OPERATING INSTRUCTIONS

Once installed and wired correctly, the Nilight LED Pods operate by receiving 12V power from your vehicle's electrical system, typically controlled by a switch (not included in this package, but often part of a wiring harness kit).



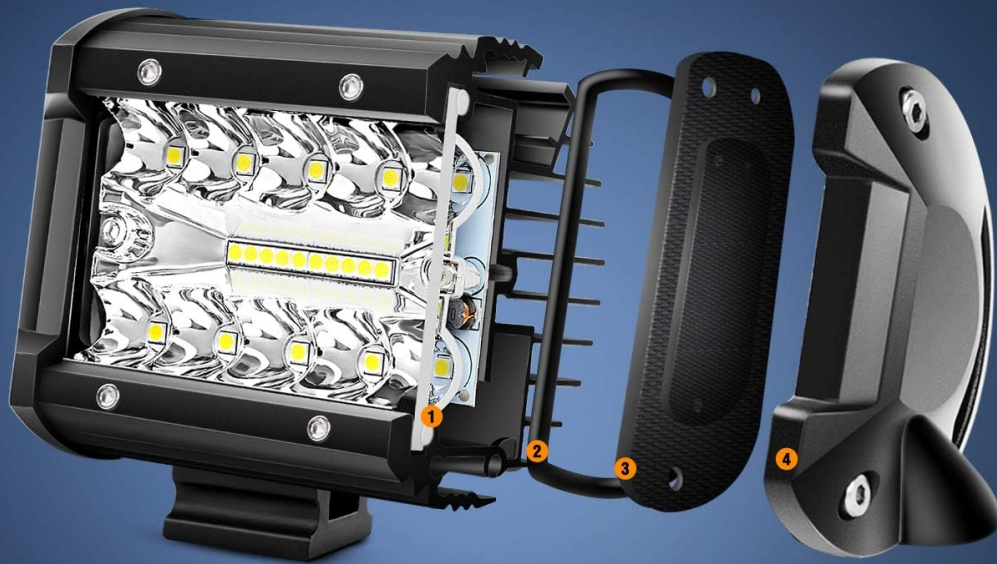
Image: A blue Jeep with the Nilight LED Pods installed on the front bumper, demonstrating their appearance when mounted on a vehicle.

The triple-row design combines both flood and spot beams to provide a comprehensive lighting pattern. The central LEDs typically provide a focused spot beam for distance, while the outer rows offer a wider flood beam for peripheral vision.

For optimal performance, ensure the lights are aimed correctly to avoid blinding oncoming traffic and to maximize visibility in your intended area.

4. MAINTENANCE

The Nilight LED Pods are built for durability and require minimal maintenance. Their IP67 waterproof rating ensures protection against harsh environmental conditions.



IP67

- ① Waterproof silica gel strip ② Potting Glue Sealed Wire ③ Rubber Pad



Potting Glue Sealed Wire, Fully sealed for increased water resistance.

VS



NO waterproof ability, metalwork vulnerable to rust and corrosion

Image: An exploded view diagram illustrating the multi-layer waterproof construction of the Nilight LED Pods, highlighting the silica gel strip, potting glue, and rubber pad.

- **Cleaning:** Periodically clean the PC lens with a soft cloth and mild soap to maintain optimal light output. Avoid abrasive cleaners.
- **Inspection:** Regularly check the mounting brackets and wiring connections for any signs of wear, corrosion, or looseness. Tighten as necessary.
- **Heat Dissipation:** The die-cast aluminum alloy housing with 9PCS cooling fins is designed for efficient heat dissipation. Ensure the fins are not obstructed to prevent overheating.



Image: A diagram illustrating the heat dissipation design of the Nilight LED Pods, showing airflow over the aluminum alloy housing and cooling fins.

5. TROUBLESHOOTING

This manual does not contain specific troubleshooting steps. If you encounter issues with your Nilight LED Pods, please consider the following general checks:

- **No Light Output:** Check all wiring connections, ensure the power source is active, and inspect any fuses in the circuit.
- **Dim Light:** Verify proper voltage supply (12V) and check for any loose connections or corrosion.
- **Flickering:** This could indicate an unstable power supply or a loose connection.

For persistent issues, it is recommended to consult with a qualified automotive electrician.

6. SPECIFICATIONS

Detailed specifications for the Nilight 4Pcs LED Pods (Model: 18021F-D):

Specification	Value
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Brand	Nilight
Model Number	18021F-D
Color	White
Shape	Rectangular
Material	Polycarbonate (PC)
Finish Type	Powder Coated
Light Source Type	LED
Shade Material	Polycarbonate (PC)
Power Source	Corded Electric
Voltage	12 Volts
Brightness	6000 Lumen
Specification Met	IP67
Product Dimensions	3.8"L x 3.1"W x 4.3"H
Item Weight	3.16 pounds
Wattage	60 Watts
Number Of Pieces	4
Special Features	Waterproof
Usage	Head Lights
Included Components	4PCS 4 Inch 60W LED light bar

7. WARRANTY AND SUPPORT

Nilight provides a **2-year warranty** for this product, ensuring peace of mind regarding its quality and performance.

For technical support, warranty claims, or any inquiries regarding your Nilight LED Pods, please refer to the contact information provided on the official Nilight website or the product packaging. You can also visit the [Nilight Store on Amazon](#) for more information and resources.