

Baja Designs LP6 Pro LED Light Pod

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INSTRUCTION MANUAL

Model: LP6 Pro LED Light Pod | Brand: Baja Designs

1. INTRODUCTION

Thank you for choosing the Baja Designs LP6 Pro LED Light Pod. This manual provides essential information for the proper installation, operation, and maintenance of your auxiliary lighting system. Please read these instructions thoroughly before proceeding with installation or use to ensure optimal performance and safety.

The LP6 Pro LED Light Pod is designed for demanding off-road environments, offering superior illumination for Jeeps, Off Road 4x4 vehicles, Trucks, and UTVs. This specific model features a Clear Lens with a Driving/Combo Beam pattern and an Amber Backlight.

What's in the Box:

- Baja Designs LP6 Pro LED Light Pod (Clear Lens, Driving/Combo Beam, Amber Backlight)
- Mounting Hardware (specific components may vary based on kit)
- Wiring Harness (may be sold separately or included in specific kits)

2. SAFETY INFORMATION

Always prioritize safety during installation and operation. Failure to follow these safety guidelines may result in injury, damage to the product, or damage to your vehicle.

- **Professional Installation Recommended:** If you are not familiar with automotive electrical systems, it is highly recommended to have the light pod installed by a qualified professional.
- **Disconnect Power:** Always disconnect the vehicle's battery before performing any electrical work.
- **Proper Wiring:** Ensure all wiring connections are secure, insulated, and protected from abrasion, heat, and moisture. Use appropriate gauge wire and fuses.
- **Mounting Security:** Securely mount the light pod to a stable surface capable of supporting its weight and resisting vibrations during vehicle operation.
- **Heat Warning:** The light pod can become hot during operation. Avoid touching the housing immediately after

use.

- **Eye Protection:** Do not stare directly into the light when it is illuminated, as it can cause eye damage.
- **Road Use Regulations:** Be aware of and comply with all local, state, and federal regulations regarding auxiliary lighting on public roads. These lights are primarily designed for off-road use.
- **Proposition 65 Warning:** This product may expose you to chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.

3. PRODUCT FEATURES

The Baja Designs LP6 Pro LED Light Pod is engineered for extreme performance and reliability:

- **High-Quality Construction:** Crafted from durable materials to withstand harsh off-road conditions.
- **Driving/Combo Beam Pattern:** Provides a versatile blend of distance and spread for various driving scenarios.
- **Clear Lens:** Maximizes light output and clarity.
- **Amber Backlight:** Offers an additional aesthetic and functional element.
- **Waterproof Design:** Engineered to be waterproof for reliable operation in wet conditions.
- **Efficient LED Technology:** Utilizes advanced LED technology for powerful illumination and energy efficiency.



Figure 3.1: Baja Designs LP6 Pro LED Light Pod with Clear Lens and Amber Backlight.

4. SPECIFICATIONS

Specification	Value
Brand	Baja Designs
Model	LP6 Pro LED Light Pod
Light Source Type	LED
Beam Pattern	Driving/Combo

Specification	Value
Lens Color	Clear
Backlight Color	Amber
Voltage	12 Volts (DC)
Wattage	103.5 watts
Special Feature	Waterproof
Lens Material	Polycarbonate
Item Dimensions (L x W x H)	15 x 12 x 8 inches
Package Weight	2.44 kilograms
Country of Origin	United States



Figure 4.1: Front view of the LP6 Pro LED Light Pod.

5. SETUP & INSTALLATION

Proper installation is crucial for the performance and longevity of your LP6 Pro LED Light Pod. While general steps are provided, specific vehicle applications may require custom mounting solutions or wiring. If you are unsure about any step, consult a professional installer.

General Installation Steps:

- 1. Plan Mounting Location:** Determine the optimal mounting location on your vehicle, considering beam pattern, clearance, and protection from debris.
- 2. Secure Mounting:** Use the provided mounting hardware to securely attach the light pod to your chosen location. Ensure the mounting surface is strong enough to support the light.
- 3. Wiring Connection:** Connect the light pod to your vehicle's electrical system using a suitable wiring harness (sold separately or included in specific kits). Ensure proper polarity and use a fuse for circuit protection.
- 4. Backlight Wiring:** If utilizing the amber backlight feature, connect it to a separate switch or an existing circuit (e.g., parking lights) as desired.
- 5. Test Functionality:** Before finalizing installation, test all light functions (main beam and backlight) to ensure correct operation.

6. **Aiming:** Adjust the light pod's aim to achieve the desired beam pattern and avoid blinding oncoming traffic (for off-road use only).

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Video 5.1: An official Baja Designs video showcasing the manufacturing process and various products in action, including off-road vehicles and motorcycles utilizing auxiliary lighting. This video highlights the quality and performance of Baja Designs products.



Figure 5.1: An amber rock guard accessory for the LP6 LED Light Pod, providing additional protection and a colored light option.

6. OPERATING INSTRUCTIONS

The LP6 Pro LED Light Pod is designed for straightforward operation once properly installed.

- **Main Beam Activation:** Turn on the main driving/combo beam using the dedicated switch connected to your light pod.
- **Amber Backlight Activation:** Activate the amber backlight using its separate switch or through the circuit it is wired to (e.g., parking lights).
- **Beam Pattern:** The Driving/Combo beam provides a wide, flat pattern for cornering and a spot beam for distance, offering a balanced light distribution for off-road driving.
- **Off-Road Use:** These lights are intended for off-road use where maximum illumination is required. Always adhere to local regulations when operating on public roads.



Figure 6.1: Side view of the LP6 Pro LED Light Pod, showcasing its robust housing and cooling fins.

7. MAINTENANCE

Regular maintenance will help ensure the longevity and optimal performance of your Baja Designs LP6 Pro LED Light Pod.

- **Cleaning:** Clean the lens and housing regularly with mild soap and water. Avoid abrasive cleaners or harsh chemicals that could damage the lens or finish.
- **Inspection:** Periodically inspect the light pod, mounting hardware, and wiring for any signs of damage, corrosion, or loose connections. Tighten any loose fasteners.
- **Lens Condition:** Check the lens for cracks or severe scratches. While the polycarbonate lens is durable, extreme impacts can cause damage.
- **Wiring Integrity:** Ensure all wiring remains protected from sharp edges, heat sources, and moving parts.

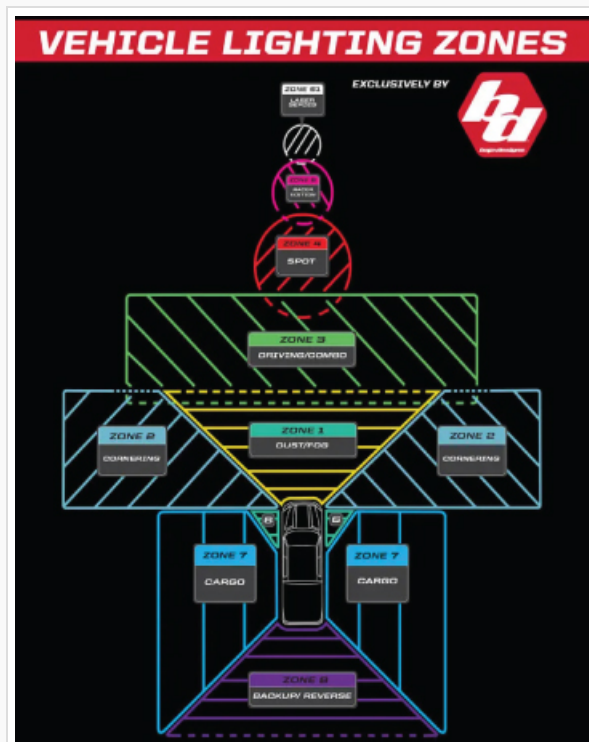


Figure 7.1: Rear view of the LP6 Pro LED Light Pod, showing the heat sink design.

8. TROUBLESHOOTING

If you encounter issues with your LP6 Pro LED Light Pod, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Light does not turn on	No power, blown fuse, loose connection, faulty switch	Check power supply, inspect fuse, verify all wiring connections, test switch functionality.
Light is dim or flickers	Insufficient power, poor ground connection, damaged wiring	Ensure adequate voltage, check ground connection, inspect wiring for damage.
Backlight not working	Separate wiring issue, faulty backlight circuit	Check backlight wiring and connections, ensure the backlight switch is functional.
Moisture inside lens	Seal compromise, extreme temperature changes	If minor condensation, it may dissipate. If significant, contact support for seal inspection.

If these steps do not resolve the issue, please contact Baja Designs customer support for further assistance.

9. WARRANTY & SUPPORT

Baja Designs stands behind the quality of its products. The LP6 Pro LED Light Pod comes with a manufacturer's warranty. For specific details regarding your warranty coverage, including terms, conditions, and duration, please refer to the official Baja Designs website or contact their customer service directly.

Customer Support:

For technical assistance, warranty claims, or any other inquiries, please contact Baja Designs through their official channels:

- **Website:** www.bajadesigns.com
- **Contact Information:** Refer to the 'Contact Us' section on the Baja Designs website for phone numbers, email addresses, and support hours.

When contacting support, please have your product model (LP6 Pro LED Light Pod) and any relevant purchase information ready to expedite the process.