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› AmeriLite Black Projector LED Halo Headlights Instruction Manual for Lexus ES 300/330 (2002-2004)

AmeriLite 02-AZ-LE05-PBC-RX

AmeriLite Black Projector LED Halo Headlights Instruction Manual

Brand: AmeriLite | **Model:** 02-AZ-LE05-PBC-RX

1. INTRODUCTION

This manual provides essential information for the AmeriLite Black Projector LED Halo Headlights, designed as a direct replacement for specific Lexus ES models. This set includes both the left (driver side) and right (passenger side) headlight assemblies.

Compatibility:

- 2002-2003 Lexus ES300
- 2004 Lexus ES330

Important: These headlights are not compatible with vehicles equipped with factory Xenon HID headlight versions.



Image 1.1: AmeriLite Black Projector LED Halo Headlights for Lexus ES 300/330.

2. SAFETY INFORMATION

Always prioritize safety when working on your vehicle. Disconnect the vehicle's battery before beginning any electrical work. Wear appropriate personal protective equipment, such as gloves and eye protection.

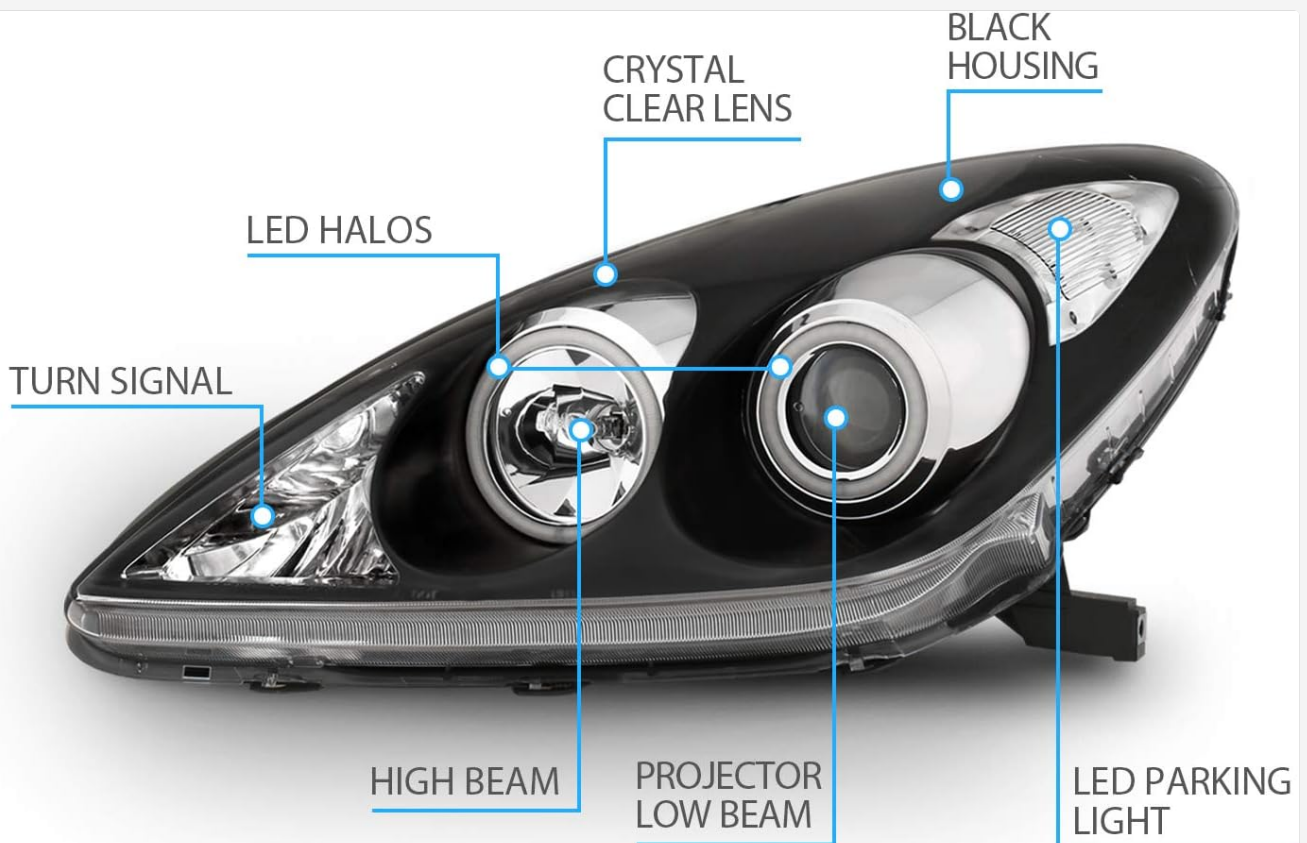
Proposition 65 Warning: This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- 1x Driver Side Headlight Assembly
- 1x Passenger Side Headlight Assembly
- 1x H1 Halogen Bulb (for High Beam)

- 1x H7 Halogen Bulb (for Low Beam)



INCLUDED



High Beam
H1 Halogen Bulb



Low Beam
H7 Halogen Bulb

Image 3.1: Labeled components and included bulbs.

4. PRODUCT FEATURES

These AmeriLite headlights are designed to meet or exceed DOT & SAE Standards, ensuring compliance with safety regulations. Key features include:

- **Black Housing:** Provides a distinct aesthetic.
- **Crystal Clear Lens:** Made from durable polycarbonate for impact resistance and clarity.
- **LED Halos:** Ultra-bright LED rings for daytime running lights and enhanced style.
- **Projector Low Beam:** Offers focused and precise light output.
- **Waterproof Design:** Engineered to withstand various weather conditions.

HIGH INTENSITY LEDS

DAYTIME RUNNING HALOS



Image 4.1: High Intensity LED Halos.



Image 4.2: Detailed views of LED halo, DOT marking, and projector lens.



Image 4.3: AmeriLite Headlight Pair.

Product Overview Video

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Video 4.1: An overview of OE style headlights for Lexus ES300/ES330 models, highlighting features and design.

5. INSTALLATION GUIDE

Professional installation is highly recommended for these headlight assemblies. This product does not include detailed step-by-step installation instructions.

These headlights are designed for direct OEM replacement, meaning no modification to the vehicle's existing wiring or mounting points should be necessary for compatible models. Ensure your vehicle does not have a factory HID system before installation.

LOW BEAM BULB CONNECTOR

**FIT HALOGEN BULB
VERSION**



**DO NOT FIT HID BULB
VERSION**

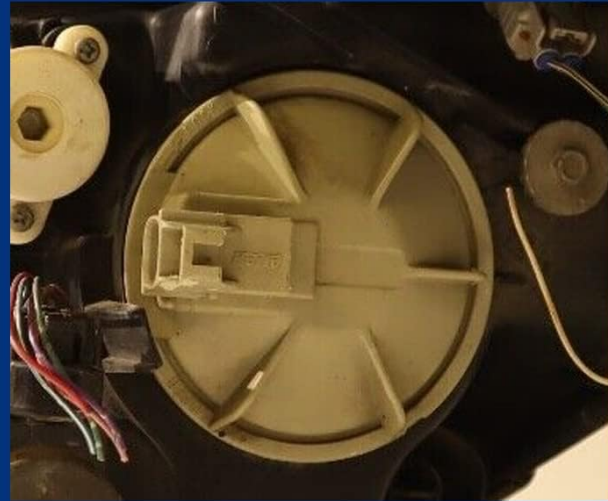


Image 5.1: Low Beam Bulb Connector Compatibility (Halogen vs. HID).

General Installation Advice:

- Access the existing headlight assemblies, typically by removing bumper clips and possibly the bumper itself.
- Disconnect the wiring harnesses and remove the old headlight units.
- Install the new AmeriLite headlight assemblies, ensuring all mounting points align correctly.
- Reconnect the wiring harnesses. Verify all lights (high beam, low beam, turn signal, parking light, LED halos) function correctly before reassembling the bumper.

6. OPERATING INSTRUCTIONS

The headlights utilize standard halogen bulbs for primary illumination:

- **High Beam:** H1 bulb type
- **Low Beam:** H7 bulb type

The LED halos function as daytime running lights and activate with the vehicle's ignition or parking lights, depending

on wiring configuration.

Headlight Adjustment

The headlight beam can be adjusted to ensure proper alignment and optimal visibility. Locate the adjustment knob on the rear of the headlight assembly.



Image 6.1: Rear view with Low Beam Connector, Beam Adjuster, and Low Beam Access Cover.

Turn the adjustment knob to raise or lower the beam. It is recommended to perform headlight alignment in a dark environment against a flat wall, following local regulations for proper beam height.

7. MAINTENANCE

To ensure the longevity and optimal performance of your headlights:

- **Cleaning:** Clean the outer lens regularly with a soft cloth and mild automotive soap or glass cleaner. Avoid abrasive cleaners that can scratch the polycarbonate lens.
- **Bulb Replacement:** If a halogen bulb burns out, replace it with the correct H1 (high beam) or H7 (low beam) type. Ensure the replacement bulb is handled by its base to avoid touching the glass, which can reduce bulb life.
- **Inspection:** Periodically check for any signs of moisture intrusion or damage to the housing. While waterproof, extreme conditions or impacts can compromise seals.

8. TROUBLESHOOTING

If you encounter issues with your headlights, consider the following:

- **Lights Not Functioning:** Check all electrical connections to ensure they are secure. Verify that the bulbs are correctly seated and not burnt out. Check relevant fuses in your vehicle's fuse box.
- **LED Halos Not Illuminating:** Confirm that the wiring for the LED halos is correctly connected to a power source (e.g., parking lights or a dedicated DRL circuit).
- **Moisture Inside Headlight:** Small amounts of condensation can occur due to temperature changes and typically dissipate. If significant water accumulation or persistent condensation is observed, inspect the housing for cracks or compromised seals.
- **Incorrect Fitment:** Double-check the product compatibility with your vehicle's make, model, and year, especially regarding factory HID systems.

For persistent issues, it is advisable to consult with a professional automotive technician.

9. SPECIFICATIONS

Feature	Detail
Brand	AmeriLite
Model Number	02-AZ-LE05-PBC-RX
Compatibility	2002-2003 Lexus ES300, 2004 Lexus ES330 (Non-HID)
Bulb Type (High Beam)	H1 Halogen (Included)
Bulb Type (Low Beam)	H7 Halogen (Included)
Housing Color	Black
Lens Color	Clear
Lens Material	Polycarbonate
Special Features	LED Halos, Projector Low Beam, Waterproof
Safety Rating	DOT Compliant, SAE Standards
Assembly Required	No (Direct Replacement)
Item Weight	25.2 pounds (for the set)
Package Dimensions	31.8 x 25.6 x 16.5 inches

10. WARRANTY AND SUPPORT

This AmeriLite product comes with a **30-Days Money Back Guarantee** and a **90 Days Limited Warranty**. For warranty claims, technical support, or any product-related inquiries, please contact the AmeriLite customer service or the seller from whom the product was purchased. Retain your proof of purchase for warranty validation.

