

## Morimoto Type S

# Morimoto XB LED Foglights Type S Instruction Manual

**Brand:** Morimoto | **Model:** Type S

## 1. INTRODUCTION AND OVERVIEW

The Morimoto XB LED projector fog lights are designed for enhanced visibility and durability. They feature a robust construction and a long lifespan, backed by a comprehensive warranty. These fog lights are powered by three Philips Luxeon-T 5000K LEDs, producing approximately 1200 raw lumens per side for a total of 2400 lumens. The projector optics create a wide and evenly distributed beam pattern suitable for fog light applications. These lights are SAE, DOT, and ECE approved.

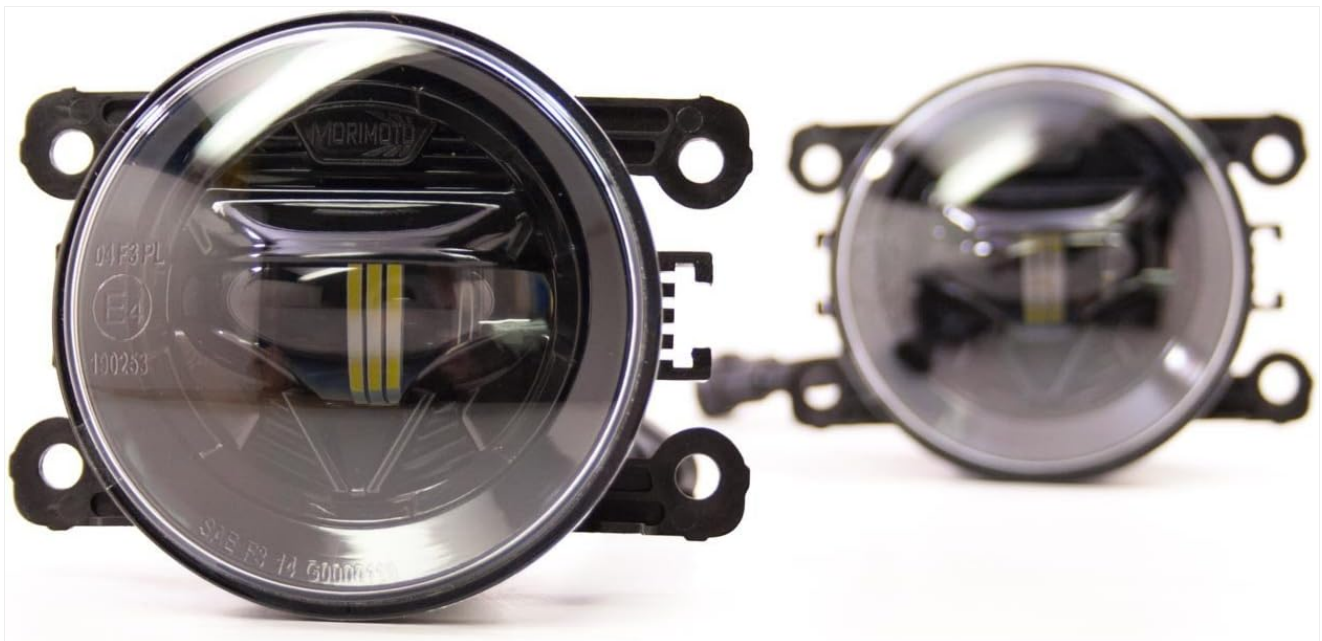


Figure 1.1: Front view of two Morimoto XB LED Foglights Type S units.

Key features include:

- Powered by 3x Philips Luxeon-T LEDs for a total of 2400 Lumens.
- Produces a super wide beam pattern that enhances low beam output.
- 5000K color temperature for modern appearance and contrast.

- IP67 certification for weather-resistant cast-aluminum housing.
- High-impact polycarbonate lens resists wear, tear, and UV light.

## 2. SETUP AND INSTALLATION

These fog lights are designed for compatibility with various modern vehicle applications, including models from Subaru, Honda, Acura, Ford, and Nissan. The complete housings utilize existing stock mounting points behind the bumper. Integrated adjustment mechanisms allow for precise beam aiming.

The XB LED Foglights are designed for a direct plug-and-play installation. They connect to the vehicle's factory power outlets for the fog lights. Each unit includes all necessary connectors, rubber seals, and pigtails for simplified wiring.

### 2.1 Installation Steps

1. Ensure the vehicle's ignition is off and the battery is disconnected for safety.
2. Locate the factory fog light housings on your vehicle.
3. Remove the existing fog lights according to your vehicle's service manual.
4. Mount the Morimoto XB LED Foglights using the stock mounting points behind the bumper. Ensure a secure fit.
5. Connect the provided pigtails and connectors to the vehicle's factory power outlets for the fog lights. Ensure all connections are secure and sealed with the included rubber seals.
6. Reconnect the vehicle's battery and test the fog lights.
7. Adjust the beam aim using the integrated adjustment screws to achieve optimal light distribution without blinding oncoming traffic.



Figure 2.1: Rear view of the fog lights showing heat sinks and wiring for connection.



Figure 2.2: Product packaging and a single fog light unit.

### 3. OPERATING INSTRUCTIONS

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The Morimoto XB LED Foglights are designed to operate in conjunction with your vehicle's existing fog light switch. Once installed, activate them as you would your original fog lights.

- **Beam Pattern:** The projector-based optics deliver a super wide and perfectly distributed beam pattern, specifically engineered for fog light use to enhance visibility in adverse weather conditions.
- **Color Temperature:** The 5000K color temperature provides a pure white light, offering excellent contrast and a modern aesthetic.
- **Regulatory Compliance:** These fog lights are SAE, DOT, and ECE approved, ensuring compliance with safety and performance standards.



Figure 3.1: Close-up view of the fog light lens and internal LED elements.

## 4. MAINTENANCE

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The Morimoto XB LED Foglights are engineered for minimal maintenance due to their robust construction.

- **Lens Cleaning:** The durable polycarbonate lens is designed to resist wear. Clean the lens periodically with a soft cloth and mild soap and water to remove dirt and debris. Avoid abrasive cleaners.
- **Housing Protection:** The powder-coated cast aluminum housing acts as a heat-sink and protects internal components from moisture and road debris. No specific maintenance is required for the housing beyond occasional cleaning.
- **Inspection:** Periodically inspect the wiring connections and mounting points to ensure they remain secure and free from corrosion or damage.

## 5. TROUBLESHOOTING

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If you encounter issues with your Morimoto XB LED Foglights, refer to the following common problems and solutions:

- **Fog Light Not Illuminating:**
  - Check all wiring connections to ensure they are secure and properly seated.
  - Verify that the vehicle's fog light fuse is intact and not blown.
  - Ensure the vehicle's fog light switch is functioning correctly.
- **Beam Adjustment Not Working:**

- Inspect the adjustment screw mechanism on the back of the fog light. Ensure it is not stripped or obstructed.
- If the internal projector is loose, contact customer support for assistance.
- **Poor Fitment / Gap Around Housing:**
  - Ensure the fog light is correctly aligned with the vehicle's mounting points.
  - Verify that no obstructions prevent the housing from sitting flush.
  - Some vehicle applications may require minor modifications or additional washers for a perfectly flush fit.
- **Beam Pattern Not Wide Enough:**
  - While designed for a wide pattern, individual perception may vary. Ensure the lights are aimed correctly.
  - Compare the beam pattern to the specifications provided.
- **Premature Failure / Shorting:**
  - Ensure all connections are properly sealed to prevent moisture ingress.
  - If a unit fails prematurely, refer to the warranty section for replacement procedures.

## 6. SPECIFICATIONS

Feature	Detail
Brand	Morimoto
Model	Type S
Color	White (Light), Clear (Lens)
Specific Uses For Product	Fog Lights
Vehicle Service Type	Car (Universal Fit)
Special Feature	Waterproof
Wattage	30 watts
Voltage	12 Volts
Auto Part Position	Front
Lens Material	Polycarbonate
Item Dimensions (L x W x H)	9.8 x 5.5 x 4 inches
Item Weight	3.99 ounces

Feature	Detail
UPC	851469006030, 787854910968
Assembly Required	No
OEM Part Numbers	89210094; 18839; FO2592217; 1209177; 4F9Z-15200-AA; 4F9Z-15200-AACP; 33901-TY0-305; 33951-TY0-305; 26150EA000; 195785012; 95563116300; 088358; 620639; 8200074008; 4327999; 60419000

## 7. WARRANTY INFORMATION

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The Morimoto XB LED Foglights Type S come with a **10-year warranty**. This warranty covers manufacturing defects and ensures the product's performance under normal use. For warranty claims or detailed terms and conditions, please refer to the official Morimoto website or contact their customer support.

## 8. SUPPORT AND CONTACT

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For additional support, technical assistance, or to view other Morimoto products, please visit the official Morimoto store or website.

**Morimoto Store:** [Visit the Morimoto Store on Amazon](#)

Always refer to the manufacturer's official resources for the most up-to-date information and support.