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> Maxim Lightray 86101ABZ LED Wall Sconce Instruction Manual

## Maxim 86101ABZ

# Maxim Lightray 86101ABZ LED Wall Sconce Instruction Manual

Model: 86101ABZ

## 1. PRODUCT OVERVIEW

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The Maxim Lightray 86101ABZ is a 9.25-inch, 15W LED wall sconce designed to provide indirect exterior lighting. Its architectural bronze finish enhances outdoor spaces by highlighting building structures. This fixture is sealed with screw lenses for water-tight integrity and features energy-efficient LED technology with dimmable capabilities.



Figure 1: Maxim Lightray 86101ABZ LED Wall Sconce.

## 2. IMPORTANT SAFETY INSTRUCTIONS

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Read all instructions carefully before installation and use. Retain this manual for future reference.

- **WARNING:** To avoid electric shock, disconnect power at the circuit breaker or fuse box before installation or servicing.
- All electrical connections must be in accordance with local codes, ordinances, or the National Electric Code (NEC). Consult a qualified electrician if you are unfamiliar with proper electrical wiring connections.
- Use only UL/cUL listed wire connectors suitable for the size, type, and number of conductors.
- Do not install this fixture in wet locations unless specifically rated for such use. This fixture is designed for exterior use.
- Ensure the fixture is securely mounted to a structural element of the building.
- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 3. PACKAGE CONTENTS

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Carefully unpack the fixture and check that all parts are included. If any parts are missing or damaged, do not attempt to assemble or install the product. Contact customer support for assistance.

- Lightray LED Wall Sconce Fixture (1)

- Mounting Hardware Kit (screws, wire nuts, mounting plate) (1 set)
- Instruction Manual (1)

## 4. INSTALLATION GUIDE

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### 4.1 Tools Required

- Phillips Head Screwdriver
- Flat Head Screwdriver
- Wire Strippers
- Electrical Tape
- Safety Glasses

### 4.2 Mounting Instructions

This fixture requires assembly and is designed for wall mounting. Follow these steps for proper installation:

1. **Turn off Power:** Before starting, ensure the power to the installation area is turned off at the main circuit breaker.
2. **Prepare Mounting Surface:** If replacing an existing fixture, carefully remove it. Ensure the junction box is clean and accessible.
3. **Attach Mounting Plate:** Secure the mounting plate (included in hardware kit) to the junction box using the provided screws. Ensure it is firmly attached.
4. **Make Electrical Connections:**
  - Connect the **black** wire from the fixture to the **black** (hot) wire from the junction box using a wire nut.
  - Connect the **white** wire from the fixture to the **white** (neutral) wire from the junction box using a wire nut.
  - Connect the **green** or bare copper ground wire from the fixture to the ground wire from the junction box (or to the green ground screw on the mounting plate).

*Ensure all wire connections are secure and covered with wire nuts. Wrap electrical tape around wire nuts for added security.*

5. **Mount the Fixture:** Carefully align the fixture with the mounting plate and secure it using the provided screws. Ensure no wires are pinched during this process.
6. **Seal (if applicable):** For outdoor installations, apply a bead of silicone sealant around the perimeter of the fixture where it meets the wall to prevent water intrusion.
7. **Restore Power:** Once the installation is complete and secure, restore power at the circuit breaker.

## 5. OPERATION

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The Maxim Lightray 86101ABZ LED Wall Sconce is designed for straightforward operation.

- **Turning On/Off:** The fixture is controlled by a standard wall switch (toggle type) connected to its power source. Flip the switch to turn the light on or off.
- **Dimming Feature:** This fixture is dimmable. If connected to a compatible dimmer switch (push button type recommended), you can adjust the light output to your desired brightness level. Ensure your dimmer switch is rated for LED fixtures.

## 6. CARE AND MAINTENANCE

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Proper care and maintenance will ensure the longevity and optimal performance of your Maxim Lightray LED Wall Sconce.

- **Cleaning:** To clean the fixture, ensure the power is turned off. Wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners, solvents, or polishes as they may damage the finish or electrical components.
- **LED Light Source:** The integrated LED light source is designed for long life and is not user-replaceable. Do not attempt to open the sealed light compartment.
- **Inspection:** Periodically inspect the fixture for any signs of damage, loose connections, or wear. If any issues are found, disconnect power and consult a qualified electrician or contact customer support.

## 7. TROUBLESHOOTING

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If you experience issues with your wall sconce, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	<ul style="list-style-type: none"><li>• No power to the fixture.</li><li>• Loose wire connection.</li><li>• Faulty wall switch.</li></ul>	<ul style="list-style-type: none"><li>• Check circuit breaker and wall switch.</li><li>• Ensure all wire connections are secure (power off first).</li><li>• Test the wall switch with another device or replace it.</li></ul>
Light flickers or dims unexpectedly.	<ul style="list-style-type: none"><li>• Incompatible dimmer switch.</li><li>• Loose wire connection.</li><li>• Voltage fluctuations.</li></ul>	<ul style="list-style-type: none"><li>• Ensure dimmer switch is LED compatible.</li><li>• Check wire connections (power off first).</li><li>• Consult an electrician to check household voltage.</li></ul>
Fixture gets excessively hot.	<ul style="list-style-type: none"><li>• Improper ventilation.</li><li>• Incorrect wiring.</li></ul>	<ul style="list-style-type: none"><li>• Ensure fixture is not enclosed in a way that restricts airflow.</li><li>• Verify wiring connections (power off first). If problem persists, discontinue use and contact customer support.</li></ul>

If these solutions do not resolve the issue, please contact customer support.

## 8. PRODUCT SPECIFICATIONS

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<b>Brand</b>	Maxim
<b>Model Number</b>	86101ABZ
<b>Finish Type</b>	Architectural Bronze Finish
<b>Material</b>	Aluminum, Glass

<b>Light Fixture Form</b>	Sconce
<b>Light Source</b>	LED
<b>Number of Light Sources</b>	1
<b>Wattage</b>	15 watts
<b>Voltage</b>	120 Volts
<b>Lighting Method</b>	Downlight (Indirect)
<b>Dimmable</b>	Yes
<b>Controller Type</b>	Push Button (for dimmer)
<b>Switch Type</b>	Toggle (for on/off)
<b>Mounting Type</b>	Wall Mount
<b>Item Dimensions (L x W x H)</b>	7.75"L x 7.75"W x 9.25"H
<b>Item Weight</b>	5.2 Pounds
<b>Required Assembly</b>	Yes
<b>UPC</b>	783209109575

## 9. WARRANTY AND CUSTOMER SUPPORT

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### 9.1 Manufacturer's Warranty

This Maxim Lightray LED Wall Sconce is covered by a **1-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from improper installation, accident, misuse, abuse, or unauthorized modifications.

### 9.2 Customer Support

For technical assistance, warranty claims, or to report missing/damaged parts, please contact Maxim Lighting customer support. Refer to the official Maxim Lighting website for the most current contact information.

**Online Resources:** [www.maximlighting.com](http://www.maximlighting.com)