

Superior Electric 3-160BL

Superior Electric 3-160BL 3W SMD LED Bulb Instruction Manual

Model: 3-160BL

1. INTRODUCTION

Thank you for choosing the Superior Electric 3-160BL 3W SMD LED Bulb. This manual provides essential information for the safe and efficient installation, operation, and maintenance of your new LED bulb. Please read this manual thoroughly before use and retain it for future reference.

This LED bulb is designed to provide bright, energy-efficient illumination with a long service life. It features a P13.5 base and emits cool white light (5500-7000K) with a brightness of approximately 160 lumens.

2. SAFETY INFORMATION

Always follow basic safety precautions when installing or using electrical products to reduce the risk of fire, electric shock, or personal injury.

- **Disconnect Power:** Always ensure the power supply to the fixture is turned off before installing or removing the bulb.
- **Voltage Compatibility:** Verify that the input voltage of your fixture is compatible with the bulb's voltage requirements. This bulb requires an AC/DC 12V input. Incorrect voltage can damage the bulb and pose a safety risk.
- **Proper Base:** Ensure the bulb's P13.5 base matches your fixture's socket type.
- **Indoor Use:** This bulb is intended for indoor use in dry locations unless otherwise specified by the fixture.
- **Do Not Disassemble:** Do not attempt to disassemble or modify the bulb. This will void the warranty and may cause damage or injury.
- **Disposal:** Dispose of used bulbs according to local regulations.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your Superior Electric 3-160BL LED bulb:

1. **Turn Off Power:** Before beginning installation, ensure the power to the light fixture is completely turned off at the circuit breaker or wall switch.
2. **Remove Old Bulb:** Carefully unscrew and remove the existing bulb from the fixture. Allow it to cool if it was recently in use.
3. **Verify Voltage:** Confirm that the input voltage of your fixture is AC/DC 12V. This is crucial for the correct operation and longevity of the LED bulb.
4. **Insert New Bulb:** Gently screw the Superior Electric 3-160BL LED bulb into the P13.5 base socket until it is snug. Do not overtighten.
5. **Restore Power:** Once the bulb is securely installed, restore power to the fixture.
6. **Test:** Turn on the light switch to confirm the bulb is functioning correctly.



Figure 1: Superior Electric 3-160BL 3W SMD LED Bulb. This image shows the compact design of the LED bulb with its P13.5 base, ready for installation into a compatible fixture.

4. OPERATING INSTRUCTIONS

The Superior Electric 3-160BL LED bulb operates like a standard incandescent bulb once installed. Simply use the existing light switch to turn the light on or off.

- **Instant On:** The LED bulb provides instant full brightness upon activation.
- **Energy Efficiency:** Enjoy significant energy savings compared to traditional bulbs due to its low 3W power consumption.
- **Cool White Light:** The bulb emits a cool white light (5500-7000K) suitable for various applications requiring bright, clear illumination.

5. MAINTENANCE

The Superior Electric 3-160BL LED bulb requires minimal maintenance due to its long lifespan and durable design.

- **Cleaning:** To clean the bulb, ensure the power is off and the bulb is cool. Wipe gently with a soft, dry cloth. Do not use liquid cleaners or abrasive materials.
- **Replacement:** Replace the bulb when its light output significantly diminishes or it ceases to function. Ensure power is off before replacement.
- **Inspection:** Periodically inspect the bulb and fixture for any signs of damage or loose connections.

6. TROUBLESHOOTING

If your Superior Electric 3-160BL LED bulb is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Bulb does not light up.	<ul style="list-style-type: none"> ◦ No power to the fixture. ◦ Bulb not screwed in properly. ◦ Incorrect voltage supply. ◦ Bulb is faulty. 	<ul style="list-style-type: none"> ◦ Check circuit breaker and wall switch. ◦ Ensure bulb is securely tightened in the socket. ◦ Verify fixture voltage is AC/DC 12V. ◦ Replace the bulb with a new one.
Bulb flickers.	<ul style="list-style-type: none"> ◦ Loose connection. ◦ Incompatible dimmer switch (if applicable). ◦ Voltage fluctuations. 	<ul style="list-style-type: none"> ◦ Turn off power, then re-tighten the bulb. ◦ This bulb is not specified as dimmable. If using a dimmer, remove it or replace with a non-dimmable switch. ◦ Consult an electrician if voltage issues persist.
Light output is dim.	<ul style="list-style-type: none"> ◦ Low voltage supply. ◦ Bulb nearing end of life. 	<ul style="list-style-type: none"> ◦ Verify fixture voltage is AC/DC 12V. ◦ Replace the bulb.

If the problem persists after trying these solutions, contact Superior Electric customer support.

7. SPECIFICATIONS

Detailed technical specifications for the Superior Electric 3-160BL 3W SMD LED Bulb:

- **Model:** 3-160BL
- **Brand:** Superior Electric
- **Light Type:** LED (SMD)

- **Wattage:** 3 Watts
- **Voltage:** AC/DC 12V (Operating Voltage)
- **Lumen Output:** Approximately 160 Lumens
- **Color Temperature:** 5500-7000K (Cool White)
- **Base Type:** P13.5
- **Lifespan:** Long service life
- **Connectivity Technology:** Normal bulb

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Superior Electric 3-160BL LED bulb, please contact Superior Electric customer service. Keep your purchase receipt as proof of purchase.

For further assistance, you may visit the [Superior Electric Store on Amazon](#).