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› Halco Lighting Technologies JC20/6.35 Halogen Bulb User Manual

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Model: JC20/6.35

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Halco Lighting Technologies JC20/6.35 Halogen Bulb. Please read this manual thoroughly before installation and operation, and retain it for future reference.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- **Power Off:** Always ensure the power supply to the fixture is turned off before installing, removing, or handling the bulb.
- **Avoid Direct Contact:** Do not touch the glass part of the halogen bulb with bare hands. Oils from your skin can create hot spots, leading to premature bulb failure. Use a clean cloth or gloves during installation.
- **Correct Voltage:** Ensure the fixture's voltage matches the bulb's voltage (12V). Using an incorrect voltage can damage the bulb or fixture.
- **Heat:** Halogen bulbs operate at high temperatures. Allow the bulb to cool completely before handling. Keep flammable materials away from the bulb.
- **Disposal:** Dispose of used bulbs according to local regulations.

3. PACKAGE CONTENTS

Your package should contain:

- Halco Lighting Technologies JC20/6.35 Halogen Bulb(s)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps to install your halogen bulb:

1. **Turn off Power:** Locate the light fixture's power switch and turn it to the OFF position. If necessary, turn off the circuit breaker supplying power to the fixture.

2. **Allow Cooling:** If replacing an existing bulb, allow it to cool completely before touching.
3. **Handle with Care:** Using a clean cloth or gloves, carefully remove the new halogen bulb from its packaging. Avoid touching the glass envelope directly with bare hands.
4. **Insert Bulb:** Align the two pins of the G6.35 base with the corresponding holes in the fixture's socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force the bulb.
5. **Restore Power:** Once the bulb is securely installed, restore power to the fixture by turning on the switch or circuit breaker.
6. **Test:** Turn on the light switch to confirm the bulb is working correctly.



Image 1: Halco JC20/6.35 Halogen Bulb. This image shows the compact clear glass body of the halogen bulb with its G6.35 bi-pin base. The coiled filament is visible inside the glass envelope.

5. OPERATING INSTRUCTIONS

The Halco JC20/6.35 Halogen Bulb is designed for simple operation:

- **Power On/Off:** Use the fixture's standard switch to turn the light on or off.
- **Dimmable Functionality:** This bulb is dimmable. If your fixture is connected to a compatible dimmer switch, you can adjust the light output. Ensure the dimmer is rated for halogen or incandescent loads.
- **Intended Use:** This bulb is suitable for indoor applications such as track lighting, recessed lighting, and landscape lighting.

6. MAINTENANCE

Minimal maintenance is required for your halogen bulb:

- **Cleaning:** If the bulb's glass surface becomes dusty or dirty, ensure the power is off and the bulb is cool. Gently wipe the glass with a clean, dry, lint-free cloth. Do not use liquid cleaners.
- **Replacement:** When the bulb reaches the end of its operational life (approximately 2000 hours), it will cease to illuminate. Replace it following the "Setup and Installation" steps, ensuring power is off and the old bulb is cool.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Bulb does not light up.	• No power to the fixture. • Bulb not properly seated. • Bulb has reached end of life. • Incorrect voltage.	• Check power switch and circuit breaker. • Re-seat the bulb firmly (ensure power is off). • Replace the bulb. • Verify fixture voltage matches bulb (12V).
Bulb burns out quickly.	• Oil/residue on glass. • Over-voltage. • Excessive vibration.	• Ensure bulb is handled with a clean cloth/gloves. • Verify fixture voltage (should be 12V). • Ensure fixture is stable and not subject to constant shaking.
Light flickers.	• Loose connection. • Incompatible dimmer switch.	• Re-seat the bulb (power off). • Ensure dimmer is compatible with halogen bulbs.

8. SPECIFICATIONS

Model Number	JC20/6.35
Light Type	Halogen
Wattage	20 Watts
Voltage	12 Volts
Bulb Base	G6.35 Bi-Pin
Color Temperature	2800 Kelvin (Warm White)
Brightness	3000 Lumen
Average Life	2000 Hours
Dimmable	Yes

Dimensions (L x W x H)	1.58 x 0.39 x 2.08 inches
Material	Copper (pins)
Indoor/Outdoor Usage	Indoor

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Halco Lighting Technologies directly through their official website or customer service channels. Please have your product model number (JC20/6.35) and purchase details available when contacting support.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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