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› Donar BRL 12V 50W Halogen Bulb Instruction Manual

Donar RSE-48

Donar BRL 12V 50W Halogen Bulb Instruction Manual

Model: RSE-48 | Brand: Donar

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Donar BRL 12V 50W Halogen Bulbs. These high-quality replacement bulbs are designed for various applications, including Simon SVS viewers, Swift Microscopes, and Tech Lighting pendants, offering reliable illumination with a GY6.35 base.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the bulb. Failure to do so may result in electric shock, fire, or personal injury.

- **Electrical Hazard:** Always disconnect power to the fixture before installing, removing, or servicing the bulb.
- **High Temperature:** Halogen bulbs operate at high temperatures. Allow the bulb to cool completely before handling. Do not touch the bulb with bare hands during or immediately after operation.
- **Proper Handling:** Avoid touching the glass envelope of the bulb directly with your fingers. Oils from your skin can create hot spots, leading to premature bulb failure. Use a clean cloth or gloves when handling.
- **Fixture Compatibility:** Ensure the bulb's voltage (12V) and wattage (50W) are compatible with your fixture's requirements.
- **Disposal:** Dispose of used bulbs according to local regulations.

3. PRODUCT OVERVIEW



Figure 1: Donar BRL 12V 50W Halogen Bulbs (2-pack)

This image displays two Donar BRL 12V 50W Halogen Bulbs. Each bulb features a clear glass envelope, a coiled filament, and two pin-type terminals (GY6.35 base) for electrical connection. The bulbs are designed for various lighting applications requiring a 12-volt, 50-watt halogen light source.

Key Features:

- **Voltage:** 12V
- **Wattage:** 50W
- **Base Type:** GY6.35 (Bi-Pin)
- **ANSI Code:** BRL/BCD
- **Bulb Shape:** T-3.5
- **Brightness:** 650 Lumens

4. INSTALLATION (SETUP)

Follow these steps to safely install your new halogen bulb:

1. **Disconnect Power:** Turn off the power supply to the light fixture at the circuit breaker or wall switch.
2. **Allow Cooling:** If replacing an old bulb, allow it to cool down completely before touching it. Halogen bulbs can be extremely hot.
3. **Remove Old Bulb:** Carefully pull the old bulb straight out from its socket. Do not twist.
4. **Handle New Bulb:** Using a clean, lint-free cloth or gloves, gently insert the two pins of the new Donar BRL bulb into the corresponding holes in the fixture's socket. Ensure the pins are fully seated. *Do not touch the glass envelope with bare hands.*
5. **Restore Power:** Once the bulb is securely in place, restore power to the fixture.
6. **Test:** Turn on the light switch to confirm the bulb is working correctly.

5. OPERATION

The Donar BRL 12V 50W Halogen Bulb operates immediately upon receiving power from a compatible 12V fixture. It is designed for use in various low-voltage lighting systems, including:

- Simon SVS 5822, 5824, SV5000 Viewers
- Swift Microscope MA784
- Tech Lighting Freejack, Inner Fire, Firebird Pendants
- Other compatible 12V GY6.35 fixtures

Ensure your fixture provides a stable 12V power supply for optimal bulb performance and lifespan.

6. MAINTENANCE

Proper maintenance can extend the life of your halogen bulb:

- **Cleaning:** If the bulb's glass envelope becomes dirty, turn off the power and allow the bulb to cool. Gently wipe it with a clean, dry, lint-free cloth. Do not use liquid cleaners.
- **Handling:** Always handle the bulb by its base or with a clean cloth/gloves to prevent skin oils from transferring to the glass.
- **Fixture Condition:** Periodically inspect your light fixture for any signs of damage or loose connections that could affect bulb performance.

7. TROUBLESHOOTING

If you experience issues with your Donar BRL Halogen Bulb, consider the following:

Bulb Not Lighting:

- **Power Supply:** Ensure the power to the fixture is on and the circuit breaker has not tripped.
- **Secure Connection:** Verify that the bulb's pins are fully and correctly inserted into the socket.
- **Fixture Issue:** Test the fixture with a known working bulb to rule out a problem with the fixture itself (e.g., faulty wiring, transformer, or socket).
- **Bulb Failure:** If the filament is visibly broken or the bulb is discolored, it may have reached the end of its life.

Short Lifespan / Premature Failure:

- **Voltage Fluctuations:** Unstable or excessively high voltage can significantly reduce bulb life. Ensure your power supply is stable 12V.
- **Frequent Switching:** Turning halogen bulbs on and off frequently can shorten their lifespan.
- **Improper Handling:** Touching the glass with bare hands can cause hot spots and lead to early failure.
- **Overheating:** Ensure the fixture provides adequate ventilation and is not enclosed in a way that traps excessive heat.
- **Vibration:** Excessive vibration can damage the filament.

8. SPECIFICATIONS

Attribute	Value
Brand	Donar
Model Number	RSE-48

Attribute	Value
Voltage	12 Volts
Wattage	50 Watts
Bulb Base	GY6.35
ANSI Code	BRL/BCD
Brightness	650 Lumens
Bulb Shape Size	T-3.5
Material	Copper (pins)
Unit Count	2.0 Count
UPC	638037124033

9. WARRANTY AND SUPPORT

For any questions, technical assistance, or warranty inquiries regarding your Donar BRL 12V 50W Halogen Bulbs, please contact your original retailer or the manufacturer directly. Please have your model number (RSE-48) and purchase information ready when seeking support.

