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Model: 64468 | Brand: SYLVANIA

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your SYLVANIA 64468 METALARC 1000 Watt Metal Halide Bulb. This high-intensity discharge (HID) lamp is designed for various applications requiring powerful and efficient illumination. Please read these instructions thoroughly before installation and operation.

2. SAFETY INFORMATION

WARNING: Metal Halide lamps operate at high temperatures and pressures. Failure to follow these safety instructions may result in personal injury, property damage, or reduced lamp life.

- **Professional Installation Recommended:** Due to the high wattage and specific electrical requirements, installation should be performed by a qualified electrician.
- **Proper Ballast Required:** This lamp requires a compatible 1000 Watt Metal Halide ballast (ANSI M47/S). Do not operate without the correct ballast.
- **Fixture Compatibility:** Ensure the fixture is rated for 1000 Watt Metal Halide lamps and has a Mogul E39 base.
- **Eye Protection:** Avoid direct exposure to the lamp's light output, especially during operation, as it can be extremely bright.
- **Thermal Shock:** Do not operate lamps in fixtures where water can come into contact with the hot lamp.
- **Lamp Disposal:** Dispose of lamps according to local regulations. Metal halide lamps contain mercury.
- **Unprotected Arc Tube:** This lamp features an unprotected arc tube. It must be used in an enclosed fixture to prevent injury from potential arc tube rupture.

3. PRODUCT OVERVIEW

The SYLVANIA 64468 is a 1000 Watt Metal Halide lamp designed for high-output lighting applications. It features a BT56 bulb shape and a Mogul E39 base, providing a 4000 Kelvin cool white light with a Color Rendering Index (CRI) of 65. This lamp is rated for 12,000 hours of life and produces 107,800 initial lumens.



Figure 1: SYLVANIA 64468 METALARC 1000 Watt Metal Halide Bulb. This image shows the clear glass envelope, the internal arc tube, and the Mogul E39 screw base.

4. SETUP AND INSTALLATION

1. **Power Off:** Ensure the power to the fixture is completely turned off at the circuit breaker before beginning installation.
2. **Allow Cooling:** If replacing an existing lamp, allow the old lamp and fixture to cool completely before handling.
3. **Inspect Fixture:** Verify that the fixture is clean, dry, and free from damage. Confirm it is rated for a 1000 Watt Metal Halide lamp and has a Mogul E39 socket.
4. **Handle with Care:** Hold the new lamp by its base or envelope, avoiding contact with the arc tube. Do not drop or subject the lamp to impact.
5. **Screw In Lamp:** Carefully screw the Mogul E39 base of the SYLVANIA 64468 bulb into the fixture's socket until it is finger-tight. Do not overtighten.
6. **Enclosed Fixture:** Confirm the lamp is installed in an appropriate enclosed fixture, as this lamp has an unprotected arc tube.
7. **Power On:** Once securely installed, restore power to the fixture.

5. OPERATING INSTRUCTIONS

- **Warm-up Time:** Metal Halide lamps require a warm-up period to reach full brightness and color stability. This typically takes several minutes.
- **Restrike Time:** If the lamp is turned off, it will require a cool-down period (typically 5-15 minutes) before it can be reignited. Attempting to restrike a hot lamp too soon may prevent it from lighting or reduce its lifespan.

- **Universal Burn Position:** This lamp is designed for universal burn, meaning it can be operated in any position (horizontal, vertical, or angled) without affecting performance or lifespan.

6. MAINTENANCE

- **Cleaning:** Periodically clean the outer glass envelope of the lamp and the fixture reflector with a soft, dry cloth to maintain optimal light output. Ensure the lamp is cool and power is off before cleaning.
- **Replacement:** Replace the lamp when it reaches its end of life (indicated by dimming, flickering, or failure to ignite) or if the outer envelope is cracked or damaged. Always replace with a lamp of the same wattage and type (ANSI M47/S).
- **Ballast Check:** If a lamp fails prematurely, inspect the ballast for proper operation. A faulty ballast can damage lamps.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not light.	No power to fixture, incorrect ballast, loose connection, faulty lamp, lamp not cooled down for restrike.	Check power supply. Verify ballast compatibility. Tighten lamp in socket. Allow cool-down if recently turned off. Replace lamp if faulty. Consult an electrician for ballast issues.
Lamp flickers or cycles on/off.	End of lamp life, incorrect ballast, voltage fluctuations, overheating.	Replace lamp. Verify ballast compatibility. Check power supply for stability. Ensure proper ventilation for the fixture.
Reduced light output.	End of lamp life, dirty lamp/reflector, incorrect ballast.	Replace lamp. Clean lamp and reflector. Verify ballast compatibility.

8. SPECIFICATIONS

Brand	SYLVANIA
Model Number	64468
Light Type	Metal Halide
Wattage	1000 Watts
ANSI Code	M47/S
Bulb Shape Size	BT56
Bulb Base	Mogul E39
Color Temperature	4000 Kelvin (Cool White)
Color Rendering Index (CRI)	65
Average Life	12,000 Hours
Initial Lumens	107,800
Burn Position	Universal
Arc Tube Protection	Unprotected (requires enclosed fixture)
Product Dimensions	Approximately 7 inches (diameter) x 18 inches (length)
Item Weight	1.25 pounds

9. WARRANTY AND SUPPORT

For warranty information or technical support regarding your SYLVANIA 64468 METALARC 1000 Watt Metal Halide Bulb, please contact SYLVANIA customer service directly or refer to the official SYLVANIA website. Keep your purchase receipt for warranty claims.

SYLVANIA Official Website: www.sylvania.com