

SYLVANIA 64470

Sylvania 64470 M1000/C/U 1000 Watt Metal Halide Light Bulb User Manual

Model: 64470 (M1000/C/U)

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your Sylvania 64470 M1000/C/U 1000 Watt Metal Halide Light Bulb. Please read this manual thoroughly before installation or use and retain it for future reference.

1.1 Safety Information

WARNING: Metal Halide lamps operate at high temperatures and pressures. Improper handling or installation can result in serious injury or property damage. Always observe the following safety precautions:

- Disconnect power before inspecting, installing, or removing the lamp.
- Allow the lamp and fixture to cool completely before handling.
- Use only in fixtures designed for 1000 watt Metal Halide lamps with appropriate ballasts and enclosed fixture ratings.
- Do not exceed the maximum wattage rating of the fixture.
- Avoid touching the lamp with bare hands; oils can reduce lamp life. Use a clean cloth or gloves.
- Dispose of lamps according to local regulations.

2. PRODUCT OVERVIEW

The Sylvania 64470 M1000/C/U is a 1000 watt Metal Halide lamp designed for high-intensity discharge (HID) lighting applications. It features a BT56 bulb shape, an E39 Mogul screw base, and a coated finish for diffused light. This lamp is rated for universal burn positions and enclosed fixtures.



Figure 2.1: Sylvania 64470 M1000/C/U Metal Halide Light Bulb. This image displays the coated, oval-shaped bulb with its E39 Mogul screw base, ready for installation into a compatible fixture.

3. SETUP AND INSTALLATION

3.1 Pre-Installation Checklist

- Ensure the fixture is compatible with 1000 watt Metal Halide lamps and has an E39 Mogul base.
- Verify the fixture is rated for enclosed use, as this bulb requires an enclosed fixture.
- Confirm the ballast is appropriate for a 1000 watt Metal Halide lamp.
- Gather necessary tools (e.g., gloves, clean cloth).

3.2 Installation Procedure

1. **Power Disconnection:** Ensure the power supply to the fixture is completely disconnected at the circuit breaker before beginning installation.
2. **Fixture Preparation:** If replacing an old bulb, allow the old bulb and fixture to cool down completely. Carefully remove the old bulb.
3. **Handling the New Bulb:** Handle the new Sylvania Metal Halide bulb by its base or with a clean cloth/gloves to avoid transferring skin oils to the glass, which can cause hot spots and reduce lamp life.
4. **Insertion:** Carefully screw the E39 Mogul base of the new bulb into the fixture's socket. Turn clockwise until it is finger-tight. Do not overtighten.
5. **Secure Fixture:** Ensure any protective covers or lenses on the enclosed fixture are properly secured after installation.
6. **Power Reconnection:** Restore power to the fixture at the circuit breaker.

4. OPERATING INSTRUCTIONS

4.1 Initial Power-Up

Upon initial power-up, Metal Halide lamps require a warm-up period to reach full brightness and stable color. This process can take several minutes. The light output and color temperature will stabilize as the lamp reaches its operating temperature.

4.2 Normal Operation

Once warmed up, the Sylvania 64470 M1000/C/U lamp will provide consistent 3400K coated light. This lamp is designed for universal burn positions, meaning it can operate in any orientation. It is also dimmable, provided it is used with a compatible dimming ballast system designed for 1000 watt Metal Halide lamps. Consult your ballast manufacturer's instructions for dimming capabilities.

4.3 Hot Restrike

If the lamp is turned off, it will require a cool-down period before it can be re-ignited. This "hot restrike" delay is a normal characteristic of Metal Halide lamps and can range from a few minutes to over ten minutes, depending on the lamp and ambient temperature.

5. MAINTENANCE

5.1 Cleaning

To maintain optimal light output and lamp life, periodically clean the exterior of the bulb and the fixture's lens. Ensure the power is disconnected and the lamp is cool before cleaning.

- Use a soft, dry, lint-free cloth to wipe away dust and debris.
- For stubborn dirt, a slightly damp cloth with mild soap and water can be used, followed by a dry cloth. Ensure no moisture enters the electrical components.
- Do not use abrasive cleaners or solvents, as these can damage the bulb's coating or the fixture.

5.2 Lamp Replacement

Lamps should be replaced at the end of their rated life or if they show signs of failure (e.g., flickering, reduced light output, cycling on and off). Follow the installation procedure in Section 3.2 for safe replacement.

- Always replace with a Sylvania 64470 M1000/C/U or an equivalent 1000 watt Metal Halide lamp with an E39 base and enclosed fixture rating.
- Dispose of old lamps responsibly according to local environmental regulations.

6. TROUBLESHOOTING

Refer to the table below for common issues and their potential solutions.

Problem	Possible Cause	Solution
Lamp does not light up.	No power to fixture, loose bulb, faulty ballast, incorrect bulb type, end of lamp life.	Check power supply. Ensure bulb is securely tightened. Consult an electrician to check ballast. Verify correct bulb for fixture. Replace lamp.
Lamp flickers or cycles on/off.	End of lamp life, incorrect ballast, voltage fluctuations, improper fixture ventilation.	Replace lamp. Ensure ballast matches lamp requirements. Check power supply. Ensure fixture has adequate airflow.
Reduced light output.	Dust/dirt on bulb/fixture, end of lamp life, incorrect ballast.	Clean bulb and fixture. Replace lamp. Verify ballast compatibility.
Lamp takes a long time to warm up.	Normal characteristic of Metal Halide lamps, cold ambient temperature.	This is normal. Allow sufficient warm-up time.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	SYLVANIA
Model Number	64470 (M1000/C/U)
Light Type	Metal Halide
Wattage	1000 Watts
Bulb Shape Size	BT56
Bulb Base	E39 Mogul
Color Temperature	3400 Kelvin
Light Color	Coated (diffused white light)
Color Rendering Index (CRI)	70
Special Feature	Dimmable (with compatible ballast)
Burn Position	Universal
Fixture Rating	Enclosed Fixture Rated
Product Dimensions	2.36 x 6.1 x 2.52 inches
Item Weight	1.52 pounds
UPC	046135644702

8. WARRANTY INFORMATION

Sylvania products are manufactured to high-quality standards. For specific warranty details regarding your Sylvania 64470 M1000/C/U Metal Halide Light Bulb, please refer to the packaging or contact Sylvania customer support. Keep your proof of purchase for warranty claims.

9. CUSTOMER SUPPORT

If you have any questions or require assistance with your Sylvania Metal Halide Light Bulb, please visit the official Sylvania website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question