

SYLVANIA 21080

Sylvania G30T8/OF Germicidal Fluorescent Light Bulb Instruction Manual

Model: 21080

1. INTRODUCTION

This manual provides essential information for the safe installation, operation, and maintenance of your Sylvania G30T8/OF Germicidal Fluorescent Light Bulb, Model 21080. This bulb is designed for germicidal applications, emitting ultraviolet (UV-C) radiation to disinfect air, water, and surfaces. Please read this manual thoroughly before use and retain it for future reference.

2. SAFETY INFORMATION

WARNING: This germicidal lamp emits ultraviolet (UV-C) radiation. Exposure to UV-C radiation can cause severe eye and skin damage. Always ensure proper shielding and never look directly at the operating lamp. Use only in fixtures designed to shield users from direct UV-C exposure.

- **Eye Protection:** Never expose eyes to direct or reflected UV-C radiation. Wear appropriate UV-protective eyewear if there is any risk of exposure.
- **Skin Protection:** Avoid direct exposure of skin to UV-C radiation. Cover exposed skin with clothing.
- **Installation:** Always disconnect power to the fixture before installing or replacing the bulb.
- **Disposal:** This bulb contains mercury. Dispose of in accordance with local, state, and federal regulations. Do not dispose of in regular household trash.
- **Children and Pets:** Keep out of reach of children and pets. Ensure they are not exposed to UV-C radiation.

3. PRODUCT OVERVIEW

The Sylvania G30T8/OF is a 30-watt germicidal fluorescent lamp designed for effective disinfection. It features a T8 bulb shape with a G13 medium bi-pin base and is ozone-free, meaning it does not produce ozone during operation. This bulb is commonly used in various sterilization applications.



Image: Sylvania G30T8/OF Germicidal Fluorescent Light Bulb. This image shows the tubular shape of the fluorescent bulb with its bi-pin base.

4. SETUP AND INSTALLATION

1. **Power Disconnection:** Before beginning installation, ensure the power supply to the fixture is completely disconnected at the circuit breaker or fuse box.
2. **Fixture Compatibility:** Verify that your fixture is designed for T8 fluorescent bulbs with a G13 medium bi-pin base and is suitable for germicidal applications, providing adequate shielding from UV-C radiation.
3. **Unpacking:** Carefully remove the bulb from its packaging. Handle the bulb by its ends or base to avoid touching the glass, as oils from your skin can create hot spots and reduce bulb life.
4. **Insertion:** Align the two pins on each end of the bulb with the sockets in the fixture. Gently push the bulb into the sockets and rotate it approximately 90 degrees until it locks securely into place. Do not force the bulb.
5. **Power Reconnection:** Once the bulb is securely installed and all safety precautions are observed (e.g., fixture covers are in place), restore power to the fixture.

5. OPERATING INSTRUCTIONS

The Sylvania G30T8/OF germicidal bulb operates like a standard fluorescent lamp once installed in a compatible fixture. Its primary function is to emit UV-C radiation for disinfection purposes.

- **Activation:** Turn on the power switch connected to the fixture. The bulb should illuminate immediately.
- **Application:** This bulb is intended for use in controlled environments where UV-C exposure can be managed, such as air purification systems, water treatment units, or surface sterilization chambers.
- **Operating Temperature:** Optimal performance is achieved within typical indoor operating temperatures.
- **Cycle Time:** The required exposure time for effective disinfection varies depending on the application, distance from the UV source, and the type of microorganisms being targeted. Consult specific application guidelines for recommended exposure durations.

6. MAINTENANCE

- **Cleaning:** Periodically, with the power disconnected, gently wipe the bulb with a soft, dry, lint-free cloth to remove any dust or debris that may accumulate on the glass surface. Do not use abrasive cleaners or liquids.

- **Replacement:** The effective germicidal output of the bulb diminishes over time, even if the bulb still illuminates. It is recommended to replace the bulb after approximately 10,000 hours of operation or as specified by your application's requirements to maintain optimal disinfection efficacy.
- **Disposal:** When replacing, follow proper disposal procedures for mercury-containing lamps as outlined in the Safety Information section.

7. TROUBLESHOOTING

If the Sylvania G30T8/OF bulb does not operate as expected, consider the following:

- **Bulb Does Not Light:**
 - Check if the power supply to the fixture is on.
 - Ensure the bulb is correctly seated and twisted into the sockets.
 - Inspect the bulb for any visible damage (e.g., broken glass, loose pins). If damaged, replace the bulb.
 - Verify that the fixture's ballast or starter (if applicable) is functioning correctly. Consult the fixture's manual for troubleshooting its components.
- **Reduced Effectiveness:**
 - The bulb may be nearing the end of its effective germicidal life. Consider replacing it.
 - Ensure the bulb and fixture are clean and free of dust or obstructions that could block UV-C output.

If issues persist after performing these checks, contact a qualified electrician or the manufacturer for assistance.

8. SPECIFICATIONS

Brand	SYLVANIA
Model Number	21080
Light Type	Fluorescent, Germicidal
Wattage	30 watts
Bulb Shape Size	T8
Bulb Base	G13 (Medium Bi-Pin)
Special Feature	Germicidal, Ozone Free
Average Life	10,000 Hours
Brightness	2200 Lumens (Light Output Maximum)
Voltage	120 Volts (Accepted voltage frequency: 100 to 120 Volts and 60 Hertz)
Material	Glass
Indoor/Outdoor Usage	Indoor

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Sylvania G30T8/OF Germicidal Fluorescent Light Bulb, please contact SYLVANIA customer service directly or visit their official website. Keep your purchase receipt as proof of purchase.

SYLVANIA Official Website: www.sylvania.com