

## LEDVANCE 20314

# Sylvania 20314 Compact Fluorescent Lamp User Manual

Model: 20314 | Brand: LEDVANCE (Sylvania)

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Sylvania 20314 Compact Fluorescent Lamp (CFL). This 13-watt, 4-pin single tube lamp is designed to provide 2700K warm white light, suitable for various indoor lighting applications. It is compatible with electronic and dimming ballasts.

## 2. SAFETY INFORMATION

- **Electrical Safety:** Always turn off power at the circuit breaker or fuse box before installing, removing, or servicing the lamp. Ensure your hands are dry when handling electrical components.
- **Lamp Handling:** Handle the lamp by its base, not the glass tube, to avoid breakage and ensure proper electrical contact. Avoid touching the glass with bare hands as oils can reduce lamp life.
- **Disposal:** This lamp contains a small amount of mercury. Dispose of it in accordance with local, state, and federal regulations. Do not dispose of in regular household trash. Recycling options may be available in your area.
- **Breakage:** In case of lamp breakage, ventilate the area for 15 minutes. Use stiff paper or cardboard to scoop up glass fragments and fine powder. Do not use a vacuum cleaner. Place all materials in a sealed plastic bag and dispose of properly.
- **Compatibility:** Use only with compatible electronic and dimming ballasts as specified. Using an incompatible ballast may damage the lamp or cause improper operation.

## 3. PRODUCT OVERVIEW

The Sylvania 20314 is a compact fluorescent lamp designed for energy-efficient lighting. Its key features include:

- **Wattage:** 13 Watts
- **Brightness:** 800 Lumens
- **Color Temperature:** 2700 Kelvin (Warm White)
- **Base Type:** 4-pin single tube
- **Rated Life:** Approximately 10,000 hours

- **Color Rendering Index (CRI): 82**



Figure 3.1: Sylvania 20314 Compact Fluorescent Lamp. This image shows the overall appearance of the 4-pin single tube CFL.



Figure 3.2: Sylvania 20314 Compact Fluorescent Lamp with approximate dimensions. The lamp measures approximately 6.7 inches (16 cm) in length.

## 4. SETUP AND INSTALLATION

1. **Power Off:** Before beginning installation, ensure the power to the fixture is completely turned off at the circuit breaker or fuse box.
2. **Remove Old Lamp (if applicable):** If replacing an existing lamp, allow it to cool completely. Gently twist or pull the old lamp straight out from the fixture base, depending on the fixture type.
3. **Inspect Fixture:** Check the fixture's socket for any damage or debris. Ensure it is clean and dry.

4. **Insert New Lamp:** Align the 4 pins of the Sylvania 20314 lamp with the corresponding slots in the fixture's socket. Gently push the lamp straight into the socket until it is firmly seated. Do not force the lamp, as this may damage the pins or the fixture.
5. **Restore Power:** Once the lamp is securely installed, restore power to the fixture at the circuit breaker.
6. **Test:** Turn on the light switch to confirm the lamp is functioning correctly.

**Note:** This lamp requires a compatible electronic or dimming ballast for proper operation. Consult your fixture's specifications if unsure.

## 5. OPERATING INSTRUCTIONS

The Sylvania 20314 CFL operates like a standard light bulb once installed in a compatible fixture.

- **Turning On/Off:** Use the wall switch or fixture control to turn the light on or off.
- **Warm-up Time:** Like most CFLs, this lamp may require a short warm-up period (typically a few seconds to a minute) to reach full brightness and color stability, especially in colder environments.
- **Dimming:** If installed in a fixture with a compatible dimming ballast, the lamp's brightness can be adjusted using the dimmer control. Ensure the dimmer is rated for CFLs.

## 6. MAINTENANCE

- **Cleaning:** Ensure the lamp is cool and the power is off before cleaning. Wipe the glass tube gently with a soft, dry, lint-free cloth. Do not use liquid cleaners or abrasive materials.
- **Replacement:** Replace the lamp when it reaches the end of its rated life or if it begins to flicker excessively or fails to illuminate. Follow the installation steps in Section 4 for replacement.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lamp does not light up.	No power to fixture. Lamp not properly seated. Lamp is faulty or at end of life. Incompatible or faulty ballast.	Check circuit breaker and wall switch. Ensure lamp pins are fully inserted into the socket. Replace lamp with a new one. Consult an electrician to check or replace the ballast.

Problem	Possible Cause	Solution
Lamp flickers or cycles on/off.	Lamp is cold. Lamp is at end of life. Incompatible or faulty dimmer/ballast. Loose connection.	Allow lamp to warm up. Replace lamp. Ensure dimmer is CFL-compatible; consult an electrician for ballast issues. Re-seat the lamp firmly.
Reduced brightness.	Lamp is nearing end of life. Dust accumulation on lamp.	Replace lamp. Clean the lamp gently with a dry cloth (power off).

## 8. SPECIFICATIONS

Attribute	Value
Model Number	20314
Brand	LEDVANCE (Sylvania)
Light Type	Compact Fluorescent Lamp (CFL)
Wattage	13 Watts
Brightness	800 Lumens
Color Temperature	2700 Kelvin (Warm White)
Color Rendering Index (CRI)	82
Voltage	120 Volts
Base Type	4-Pin Single Tube
Rated Average Life	10,000 Hours
Dimensions (L x W x H)	6.72 x 0.88 x 1.5 inches (approx.)
Material	Glass
Indoor/Outdoor Usage	Indoor

## 9. WARRANTY AND SUPPORT

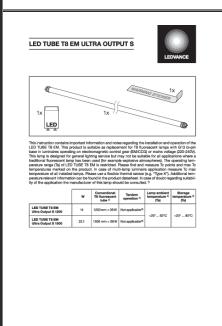
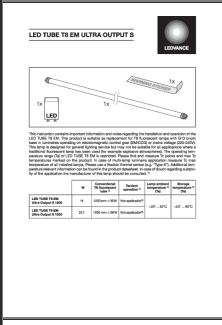
This Sylvania 20314 Compact Fluorescent Lamp comes with a **2-year limited warranty** from the manufacturer, LEDVANCE. Please retain your proof of purchase for warranty claims.

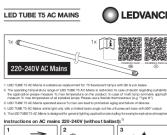
For technical support, warranty inquiries, or further assistance, please contact LEDVANCE customer service.

Refer to the product packaging or the official LEDVANCE website for the most current contact information.

*Disclaimer:* The information in this manual is subject to change without notice. LEDVANCE assumes no responsibility for any errors or omissions that may appear in this manual.

## Related Documents - 20314

	<p><a href="#"><u>LED TUBE T8 UNIVERSAL: Installation and Operation Guide</u></a></p> <p>Comprehensive guide for installing and operating the LED TUBE T8 UNIVERSAL, a replacement for T8 fluorescent lamps. Includes technical specifications, retrofit, and conversion instructions.</p>
	<p><a href="#"><u>LED Tube T8 EM Ultra Output S Installation and Operation Guide</u></a></p> <p>Comprehensive guide for the installation and operation of the LEDVANCE LED Tube T8 EM Ultra Output S, covering retrofit and conversion installations, technical specifications, and safety information.</p>
	<p><a href="#"><u>LED Tube T8 EM Ultra Output S Installation and Operation Guide</u></a></p> <p>This document provides installation and operation instructions for the LEDVANCE LED Tube T8 EM Ultra Output S. It covers retrofitting and conversion for luminaires with electromagnetic control gear or direct AC mains connection, along with important safety and usage information.</p>
	<p><a href="#"><u>LED TUBE T8 EM ULTRA OUTPUT S: Installation Guide and Specifications</u></a></p> <p>Comprehensive installation instructions, technical specifications, and compatibility details for the LEDVANCE LED TUBE T8 EM ULTRA OUTPUT S, a replacement for traditional T8 fluorescent lamps. Covers EM ballast and AC mains conversion.</p>

 <p><b>LED TUBE T8 EM V</b> <b>LED TUBE T8 EN ULTRA OUTPUT V</b></p> <p><b>LEDVANCE</b></p> <p><b>LED TUBE T8 EM V &amp; EN ULTRA OUTPUT V: Installation and Operation Guide</b></p> <p>Detailed installation and operation instructions for the LEDVANCE LED TUBE T8 EM V and T8 EN ULTRA OUTPUT V, providing guidance on retrofitting and conversion for T8 fluorescent lamp replacements.</p>	
 <p><b>LED TUBE T5 AC MAINS</b> <b>LEDVANCE</b></p> <p><b>LED Tube T5 AC Mains Installation and Specifications</b></p> <p>This document provides installation instructions and technical specifications for the LEDVANCE LED Tube T5 AC Mains, a replacement for T5 fluorescent lamps.</p>	