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Philips LED 230102

Philips Energy Saver PL-S 13-Watt Compact Fluorescent Light Bulb User Manual

Model: 230102 | Brand: Philips LED

1. Product Overview

The Philips Energy Saver PL-S 13-Watt Compact Fluorescent Light Bulb (CFL) is designed to provide efficient and long-lasting illumination for various indoor applications. This bulb emits a soft white light at 2700 Kelvin, making it ideal for spaces like laundry rooms, bathrooms, kitchens, and offices. It features a 2-Pin GX23 base for easy installation in compatible fixtures, including surface-mounted down lights and recessed cans. Engineered with a low-mercury design, this bulb contributes to a reduced environmental footprint and offers an average lamp life of 10,000 hours.





Image 1.1: Philips PL-S 13-Watt Compact Fluorescent Light Bulb. This image shows the compact fluorescent bulb with its two-pin GX23 base, ready for installation.

2. Safety Information

Please read and understand all safety instructions before installing or operating the light bulb.

- **Electrical Safety:** Always disconnect power to the fixture at the circuit breaker or fuse box before attempting installation, removal, or maintenance.
- **Handling:** Do not handle the bulb with wet hands. Avoid touching the glass portion of the bulb directly, as oils from your skin can reduce bulb life.
- **Fixture Compatibility:** Ensure your light fixture is designed for a 2-Pin GX23 base and the specified wattage (13 watts). Using an incompatible fixture may cause damage or fire.
- **Disposal:** This fluorescent bulb contains a small amount of mercury. Dispose of the bulb according to local, state, and federal regulations. Do not dispose of with regular household waste. Recycling options may be available in your

area.

- **Indoor Use Only:** This bulb is intended for indoor, commercial, and residential use only. Do not use in outdoor or enclosed fixtures unless specifically rated for such use.

3. Setup and Installation

3.1. Before Installation

- Verify that the power to the fixture is turned off at the main circuit breaker.
- Ensure the fixture is cool to the touch if a previous bulb was in use.
- Confirm that the fixture requires a 2-Pin GX23 base compact fluorescent bulb.

3.2. Installation Steps

1. Carefully remove the new Philips PL-S 13-Watt bulb from its packaging.
2. Align the two pins on the bulb's base with the corresponding slots in the fixture's socket.
3. Gently push the bulb firmly into the socket until it is fully seated and secure. Do not force the bulb.
4. Once the bulb is securely in place, restore power to the fixture at the circuit breaker.



Image 3.1: Bulb and Packaging. This image displays the Philips PL-S 13-Watt bulb both in its retail packaging and removed from it,

highlighting the 2-pin base for installation reference.

4. Operation

After successful installation and power restoration, the Philips Energy Saver PL-S 13-Watt Compact Fluorescent Light Bulb will operate normally when the light switch connected to the fixture is activated. The bulb provides instant soft white light, suitable for general illumination.

5. Maintenance and Care

Proper care ensures the longevity and optimal performance of your light bulb.

- **Cleaning:** Always turn off the power and allow the bulb to cool completely before cleaning. Use a soft, dry, lint-free cloth to wipe the bulb. Do not use liquid cleaners or abrasive materials.
- **Handling:** Avoid excessive vibration or impact to the bulb, as this can damage the internal components.
- **Replacement:** Replace the bulb when it reaches the end of its rated life (approximately 10,000 hours) or if it shows signs of flickering, dimming, or failure. Follow the installation steps in Section 3 for replacement.

6. Troubleshooting

If you encounter issues with your light bulb, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture. Bulb not properly seated. Faulty bulb or fixture.	Check circuit breaker. Ensure bulb is firmly pushed into socket. Test with a known working bulb or inspect fixture.
Bulb flickers or dims.	Loose connection. Bulb nearing end of life. Incompatible ballast (if applicable).	Ensure bulb is securely seated. Replace bulb. Consult an electrician to check fixture ballast compatibility.
Light color appears different than expected.	Misinterpretation of color temperature.	This bulb provides 2700 Kelvin Soft White light. Refer to the color temperature chart in Section 7.

7. Technical Specifications

Detailed specifications for the Philips Energy Saver PL-S 13-Watt Compact Fluorescent Light Bulb:

Attribute	Value
Brand	Philips LED
Model Number	230102
Light Type	Compact Fluorescent Light (CFL)
Wattage	13 Watts

Attribute	Value
Voltage	120 Volts
Bulb Shape Size	T8
Bulb Base	GX23 (2-Pin)
Light Color	Soft White
Color Temperature	2700 Kelvin
Brightness	800 Lumens
Average Life	10,000 Hours
Mercury Content	1 Milligram
Product Dimensions	7.02"W x 8.5"H
Item Weight	1.76 ounces

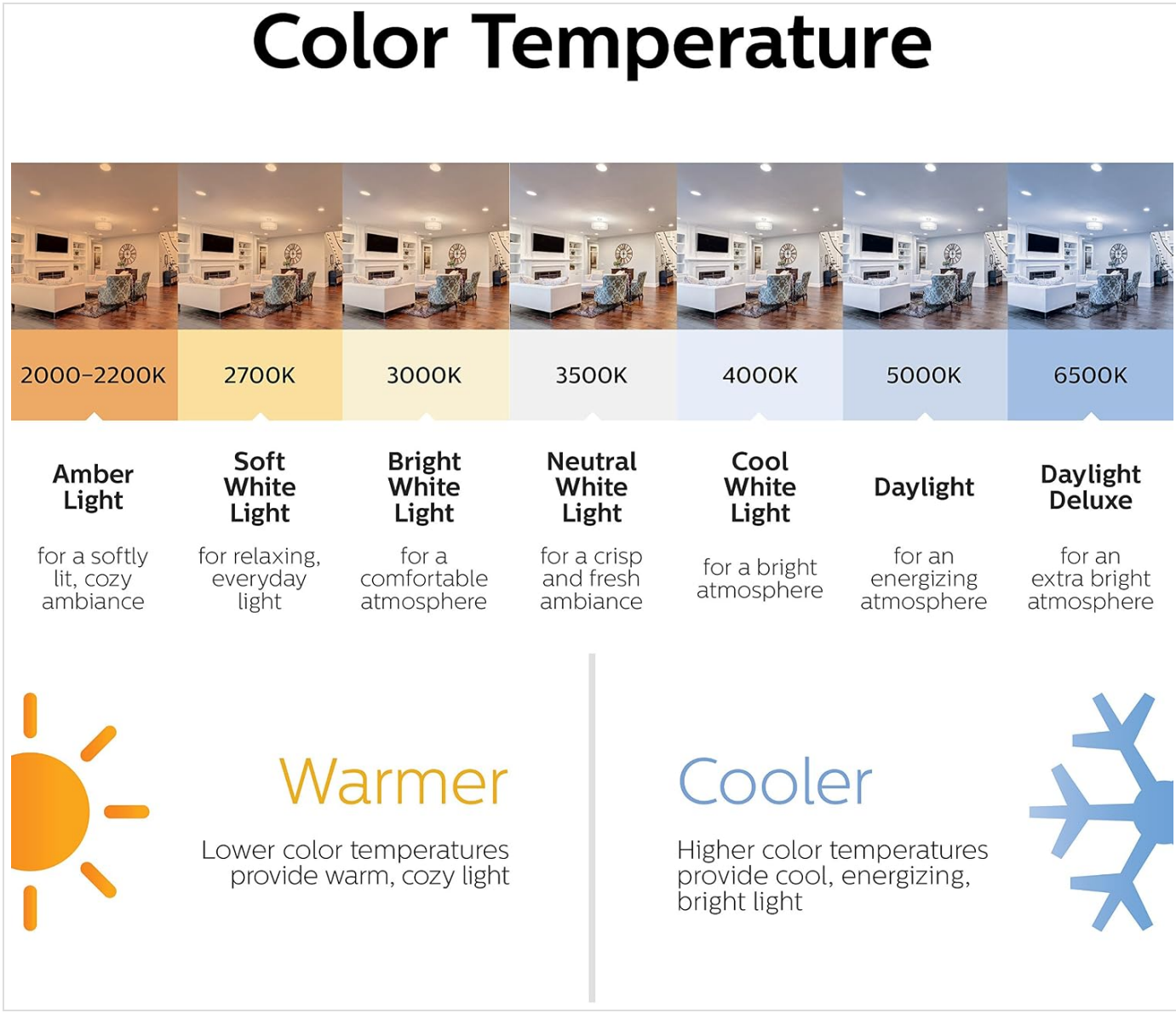


Image 7.1: Color Temperature Chart. This chart illustrates various light hues from warm (2000K Amber) to cool (6500K Daylight Deluxe),

with 2700K Soft White highlighted as the output of this bulb.

8. Warranty and Support

8.1. Warranty Information

Philips warrants that this bulb will be free from defects in material and workmanship for 9.1 years based on up to 3 hours average usage per day/7 days per week, when used as directed. If this bulb does not conform to the warranty, Philips will send you, at its election, a replacement bulb or refund upon receipt of the returned bulb, register receipt, and proof of purchase. This limited warranty does not cover bulbs subject to accident, neglect, abuse, misuse, or acts of God. Replacement or refund is the sole remedy available. Except to the extent prohibited by applicable law, any implied warranties are limited in duration to the duration of this warranty. Liability for incidental or consequential damages is hereby expressly excluded. Some states do not allow exclusion of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

8.2. Customer Support

For further assistance, technical support, or to inquire about warranty claims, please contact Philips customer service. Refer to the official Philips website or product packaging for the most current contact information.

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