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Technical Precision CFML27VLX-AZ-5USC-5

Technical Precision Replacement Light Bulb CFML27VLX User Manual

Model: CFML27VLX-AZ-5USC-5

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Technical Precision Replacement Light Bulb, model CFML27VLX-AZ-5USC-5. This compact fluorescent lamp (CFL) is designed as a direct replacement for the VERILUX CFML27VLX bulb, offering 27 watts of power and a daylight white color temperature of 6500 Kelvin. Please read these instructions carefully before installation and retain this manual for future reference.

2. SAFETY INFORMATION

- **WARNING:** Always turn off the power to the fixture and allow the bulb to cool before attempting installation, removal, or maintenance.
- Do not use this bulb in dimmable fixtures unless specifically rated for dimmable CFLs. This bulb is not specified as dimmable.
- Avoid touching the glass portion of the bulb directly with bare hands. Oils from your skin can reduce bulb life. Use a clean cloth or gloves.
- Do not use in enclosed fixtures that restrict airflow, as this can shorten bulb life.
- Dispose of used bulbs according to local regulations, as they contain small amounts of mercury.
- Keep out of reach of children.

3. INSTALLATION

This bulb features a GX10Q-4 4-pin base, designed for specific fixtures. Ensure your fixture is compatible with this base type and wattage (27W).

1. **Power Off:** Ensure the power supply to the light fixture is completely turned off at the circuit breaker or wall switch before beginning installation.
2. **Remove Old Bulb:** If replacing an existing bulb, allow it to cool completely. Gently grasp the base of the old bulb and pull it straight out from the socket. Do not twist the glass tubes.
3. **Inspect Socket:** Check the fixture's socket for any damage or debris. Clean if necessary.


4. **Insert New Bulb:** Align the four pins on the base of the new Technical Precision CFML27VLX bulb with the corresponding slots in the fixture's socket. Gently push the bulb straight into the socket until it is firmly seated. Do not force the bulb.
5. **Power On:** Restore power to the fixture.



Figure 1: Side view of the Technical Precision CFML27VLX replacement light bulb, showing the four fluorescent tubes and the 4-pin base.



Figure 2: Angled view of the Technical Precision CFML27VLX replacement light bulb, highlighting the base and pin configuration.




technical precision
BRINGING ENERGY TO LIFE

**GX10Q-4 4-Pin
Base in a Square**
base

5 in
length

2 in
width

uses
27 watts



27 Watt Natural Spectrum Reading Lamp Replacement Bulb

Figure 3: Image illustrating the dimensions of the Technical Precision CFML27VLX bulb, showing its 5-inch length and 2-inch width, and indicating it uses 27 watts.

Installation Video

Your browser does not support the video tag.

Video 1: A short demonstration of replacing a VERILUX CFML27VLX type bulb. This video shows the physical bulb and its connection type, which can be helpful for visual confirmation during installation.

4. OPERATION

Once properly installed and power is restored, the Technical Precision CFML27VLX bulb will illuminate instantly when the fixture's switch is turned on. This bulb provides 1700 lumens of daylight white light, suitable for various indoor applications.

- **Instant On:** The bulb is designed for instant illumination without flickering or warm-up time.
- **Light Output:** Provides 1700 lumens of bright, daylight white light.
- **Energy Efficiency:** Operates at 27 watts, offering an efficient lighting solution.

5. MAINTENANCE

The Technical Precision CFML27VLX bulb requires minimal maintenance. Follow these guidelines to ensure optimal performance and longevity:

- **Cleaning:** Periodically, with the power off and the bulb cool, gently wipe the glass tubes with a soft, dry, lint-free cloth to remove dust and debris. Do not use liquid cleaners directly on the bulb.
- **Replacement:** The average life of this bulb is approximately 10,000 hours. Replace the bulb when its light output significantly diminishes or it ceases to function.
- **Handling:** Always handle the bulb by its plastic base, not the glass tubes, to prevent damage.

6. TROUBLESHOOTING

If your Technical Precision CFML27VLX bulb is not functioning as expected, consider the following common issues and solutions:

Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture. Bulb not properly seated. Defective bulb. Defective fixture.	Check circuit breaker and wall switch. Turn off power, re-seat the bulb firmly. Replace with a new bulb. Consult an electrician or replace the fixture.
Bulb flickers.	Loose connection. Incompatible dimmer switch. End of bulb life.	Turn off power, re-seat the bulb. Ensure fixture is not on a dimmer or use a compatible dimmer. Replace the bulb.
Reduced light output.	Dust accumulation. Approaching end of bulb life.	Turn off power, clean the bulb with a dry cloth. Replace the bulb.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Brand	Technical Precision
Model Name	CFML27VLX-AZ-5USC-5
Light Type	Compact Fluorescent (CFL)
Wattage	27 Watts
Bulb Base	GX10Q-4 (4-Pin)
Bulb Shape Size	T (Tubular)
Brightness	1700 Lumens
Light Color	Daylight White
Color Temperature	6500 Kelvin
Color Rendering Index (CRI)	80
Average Life	10,000 Hours
Incandescent Equivalent Wattage	121 Watts
Special Feature	High Efficiency, Instant On
Voltage Frequency	100 to 240 Volts and 50 Hertz to 60 Hertz
Material	Copper (pins)
Item Weight	3.7 ounces
Package Dimensions	7.05 x 3.78 x 1.57 inches

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Technical Precision Replacement Light Bulb, please refer to the product packaging or contact Technical Precision directly through their official website or customer service channels. Keep your purchase receipt as proof of purchase.

For additional information or to explore other products, visit the [Technical Precision Store](#).