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› LSE Lighting 9W UV Bulb Instruction Manual for AquaTop UVE9, CF400, CF500, UVCP-9 Systems

LSE Lighting TRTD11655

LSE Lighting 9W UV Bulb Instruction Manual

Compatible with AquaTop UVE9, CF400, CF500, UVCP-9 Systems

1. PRODUCT OVERVIEW

The LSE Lighting 9W UV Bulb is designed as a replacement ultraviolet lamp for various water treatment systems. It emits a 254nm UVC wavelength, providing effective sterilization. This bulb features a square 2-pin base for secure and precise fit in compatible units.



Image: LSE Lighting 9W UV Bulb, showcasing its design and square 2-pin base.

Key features include:

- **Compatibility:** Engineered as an equivalent replacement UV bulb for AquaTop models UVE9 Submersible, CF400, CF500, and UVCP-9 systems.
- **UVC Output:** Emits a 254nm wavelength for effective sterilization.
- **Energy Efficiency:** Operates at 9 watts, balancing performance with low energy consumption.
- **Base Type:** Features a square 2-pin configuration for easy installation.
- **Long Service Life:** Rated for 12,000 hours of continuous operation.
- **Construction:** Built from high-quality quartz glass for maximum ultraviolet transmission.



Image: The UV bulb with text indicating UVC 254nm Wavelength and EPA Establishment No. 96823-PA-1.

2. IMPORTANT SAFETY INFORMATION

WARNING: Ultraviolet (UV) light can cause damage to eyes and skin. Always wear protective gear, including UV-blocking eyewear and gloves, when handling or working near an active UV bulb. Never look directly at the operating UV light.

- Disconnect power to the UV system before installation, removal, or maintenance.
- Avoid touching the glass part of the bulb with bare hands. Oils from your skin can create hot spots, reducing bulb life and efficiency. Use clean gloves or a soft cloth.
- Dispose of used UV bulbs according to local regulations for hazardous waste, as they may contain mercury.
- Ensure the UV system housing is intact and properly sealed before operating to prevent UV light leakage.



Image: Product packaging showing a warning label regarding UV light and handling instructions.

3. INSTALLATION INSTRUCTIONS

This UV bulb is intended for use with compatible devices and systems only. Refer to the instruction manual that came with your original equipment for specific installation steps. The following are general guidelines:

1. **Power Disconnection:** Ensure the UV system is completely disconnected from its power source before beginning installation.
2. **Access the Bulb Housing:** Carefully open the UV system's housing to access the old UV bulb. This may involve unscrewing covers or releasing clips.
3. **Remove Old Bulb:** Wearing gloves, gently grasp the old bulb by its ceramic or plastic base and pull it straight out from the socket. Avoid twisting or bending.
4. **Install New Bulb:** Align the square 2-pin base of the new LSE Lighting UV bulb with the socket. Gently push the bulb straight into the socket until it is fully seated. Do not force it.
5. **Secure Housing:** Close and secure the UV system's housing, ensuring all seals and covers are properly reinstalled.
6. **Reconnect Power:** Once the bulb is securely installed and the system is reassembled, reconnect the power.

If you are unsure about any step, consult a qualified technician or the original equipment manufacturer's manual.

4. OPERATING YOUR UV SYSTEM

After proper installation, the LSE Lighting 9W UV Bulb will begin to emit UVC light when the compatible system is powered on. The UV light works to sterilize water or air passing through the system, depending on the application.

- Ensure the system is operating within its recommended parameters as specified by the original equipment manufacturer.
- Do not operate the UV system if the bulb housing is damaged or if there is any visible UV light leakage.
- Regularly check the system for proper function, though direct observation of the UV light is not recommended due to safety concerns.

5. MAINTENANCE AND REPLACEMENT

The LSE Lighting 9W UV Bulb has a rated service life of 12,000 hours of continuous operation. For optimal performance and effective sterilization, it is recommended to replace the UV bulb annually, even if it appears to be working. Over time, the UVC output diminishes, reducing its effectiveness.



Image: Visual representation of a dirty filter before treatment and a clean filter after, illustrating the benefit of UV purification.

When replacing the bulb, always follow the safety precautions outlined in Section 2. Additionally:

- Inspect the quartz sleeve (if applicable to your system) for any deposits or damage. Clean the quartz sleeve with a soft cloth and a mild cleaning solution if necessary, ensuring it is completely dry before reassembly.
- Do not use abrasive cleaners or materials that could scratch the quartz sleeve or bulb.



Image: A chart illustrating the stable UV intensity maintenance of LSE Lighting lamps over time, alongside icons for quality assurance.

6. TROUBLESHOOTING

If your UV bulb or system is not functioning as expected, consider the following common issues:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Bulb does not light up	No power to the system, bulb not seated correctly, faulty ballast, expired bulb.	Check power connection. Re-seat the bulb firmly. Consult system manual for ballast troubleshooting. Replace bulb if expired.
Reduced sterilization effectiveness	Bulb nearing end of life, dirty quartz sleeve, incorrect flow rate (for water systems).	Replace bulb. Clean quartz sleeve. Verify system flow rate according to manufacturer specifications.
UV light visible outside system	Damaged housing or improper assembly.	Immediately disconnect power. Inspect housing for cracks or damage. Ensure all covers and seals are correctly installed. Do not operate if UV light is visible.

7. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	LSE Lighting
Model Number	TRTD11655
Wattage	9 Watts
UVC Wavelength	254nm
Base Type	Square 2-Pin
Light Source Operating Life	12,000 Hours
Material Type	Quartz Glass
Manufacturer	Light Spectrum Enterprises, Inc
UPC	798295448651



EPA Est. No. 96823-PA-1

Residential, Commercial, Industrial

Designed and assembled in USA

1 year full factory warranty

Cleans, purifiers air in seconds



Image: Details on the UV bulb, highlighting EPA Establishment Number and warranty information.

8. WARRANTY INFORMATION

This LSE Lighting UV bulb comes with a **1-year warranty** from the manufacturer, Light Spectrum Enterprises, Inc. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

For specific warranty terms and conditions, refer to the documentation provided with your purchase or contact LSE Lighting customer support.

9. CUSTOMER SUPPORT

For technical assistance, warranty claims, or further information regarding your LSE Lighting 9W UV Bulb, please contact Light Spectrum Enterprises, Inc. customer support.

You may find additional resources and contact details on the official LSE Lighting website or through your original point of purchase.

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