OSRAM 446004

OSRAM LUMILUX T8, 15 Watt - 15W / G13 / 840 Instruction Manual

Brand: OSRAM

1. Introduction

This manual provides essential information for the safe and efficient use of your OSRAM LUMILUX T8 fluorescent tube. Please read these instructions thoroughly before attempting installation, operation, or maintenance. Retain this manual for future reference.

2. Safety Information

- **Electrical Safety:** Always disconnect power to the fixture before installing, replacing, or cleaning the fluorescent tube. Failure to do so can result in electric shock.
- **Handling:** Fluorescent tubes contain a small amount of mercury. Handle with care to avoid breakage. In case of breakage, ventilate the area and carefully clean up glass fragments and powder using disposable gloves.
- **Compatibility:** Ensure the tube's specifications (wattage, length, base type G13) match your existing fixture's requirements. Using an incompatible tube may damage the fixture or cause improper operation.
- **Disposal:** Do not dispose of fluorescent tubes with regular household waste. Consult local regulations for proper recycling or disposal of mercury-containing products.
- **Indoor Use Only:** This product is designed for indoor use in appropriate fixtures.

3. Product Overview

The OSRAM LUMILUX T8 is a 15 Watt fluorescent tube designed for general lighting applications. It features a G13 bi-pin base and is known for its energy-efficient operation and consistent light output.



This image displays the OSRAM LUMILUX T8 fluorescent tube, highlighting its G13 pin base and the printed product details including 'OSRAM LUMILUX L 15W / 840 Cool White'.

4. Setup and Installation

Follow these steps carefully to install your OSRAM LUMILUX T8 fluorescent tube:

1. **Power Disconnection:** Locate the circuit breaker or fuse box that controls the power to the light fixture. Turn off the power completely. Verify that the power is off by attempting to turn on the light switch.
2. **Fixture Access:** If necessary, remove any diffuser or cover from the light fixture to access the existing tube.
3. **Remove Old Tube (if applicable):** Gently twist the old fluorescent tube approximately 90 degrees until the pins align with the slots in the lamp holders. Carefully pull the tube straight out of the sockets.
4. **Insert New Tube:** Align the G13 pins of the new OSRAM LUMILUX T8 tube with the slots in the lamp holders. Push the tube firmly into the sockets until the pins are fully seated.
5. **Secure Tube:** Rotate the tube approximately 90 degrees until it locks into place. Ensure the tube is securely seated and cannot be easily pulled out.
6. **Restore Power:** Replace any fixture covers or diffusers. Restore power to the circuit at the breaker or fuse box.

7. **Test:** Turn on the light switch to confirm proper operation of the new fluorescent tube.

5. Operating Instructions

The OSRAM LUMILUX T8 fluorescent tube operates in conjunction with a compatible fluorescent fixture. Once installed, the tube will illuminate when power is supplied to the fixture via its wall switch or control mechanism. No special operating procedures are required for the tube itself.

6. Maintenance

- **Cleaning:** To maintain optimal light output, periodically clean the tube with a soft, dry, lint-free cloth. Ensure the power is disconnected before cleaning. Do not use abrasive cleaners or solvents, as these can damage the tube's surface.
- **Replacement:** When the tube reaches the end of its lifespan (indicated by flickering, dimming, or failure to light), replace it following the installation steps outlined in Section 4.
- **Disposal:** Always dispose of old fluorescent tubes responsibly according to local environmental regulations due to their mercury content. Many communities offer recycling programs for fluorescent lamps.

7. Troubleshooting

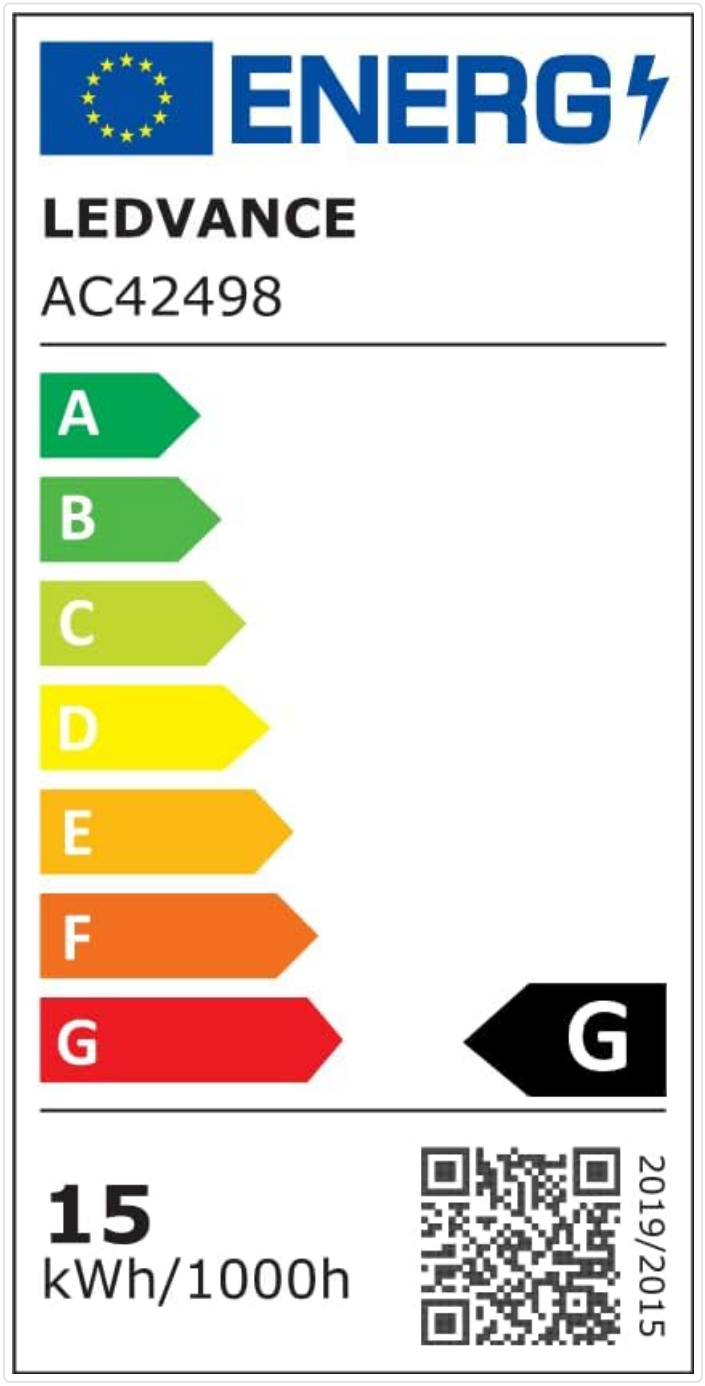
If your OSRAM LUMILUX T8 fluorescent tube is not functioning as expected, consider the following:

- **Tube Does Not Light:**
  - Ensure the power supply to the fixture is on.
  - Check that the tube is properly seated and twisted into the lamp holders.
  - If your fixture uses a starter, check if it needs replacement.
  - The ballast in the fixture may be faulty. Consult a qualified electrician if you suspect a ballast issue.
  - The tube itself may have reached the end of its life. Try replacing it with a new, compatible tube.
- **Tube Flickers:**
  - Ensure the tube is securely seated in the lamp holders.
  - Flickering can indicate a failing tube, starter, or ballast. Try replacing the tube first.
  - Ensure the ambient temperature is within the operating range for fluorescent lamps.
- **Dim Light Output:**
  - The tube may be nearing the end of its operational life.
  - Dust or dirt on the tube or fixture diffuser can reduce light output. Clean as per maintenance instructions.

8. Specifications

Brand	OSRAM
Model Number	446004
Light Type	Fluorescent
Wattage	15 Watts

Bulb Shape Size	T8
Bulb Base	G13
Incandescent Equivalent Wattage	60 Watts
Color Rendering Index (CRI)	80.00
Product Dimensions	1.06 x 1.1 x 17.83 inches
Item Weight	2.12 ounces (60 Grams)
Special Feature	Energy Efficient



This image shows the EU Energy Label for the product, indicating an energy efficiency class of G and an energy consumption of 15 kWh per 1000 hours. A QR code linking to the EPREL database is also visible. For more details, visit the EPREL database.

9. Warranty and Support

For information regarding the warranty of your OSRAM LUMILUX T8 fluorescent tube, please refer to the terms and conditions provided at your point of purchase or visit the official OSRAM website. For technical support or further inquiries, please contact OSRAM customer service through their official channels.