

OSRAM LEDinestra DIM

OSRAM LEDinestra Dimmable LED Tube User Manual

Model: **LEDinestra DIM** | Brand: **OSRAM**

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your OSRAM LEDinestra Dimmable LED Tube. This LED lamp is designed as a direct replacement for conventional tubular incandescent lamps, offering energy efficiency and dimmable functionality. Please read this manual thoroughly before installation and operation.





Figure 1.1: OSRAM LEDinestra Dimmable LED Tube (Front View)

This image shows the main view of the OSRAM LEDinestra Dimmable LED Tube, highlighting its sleek, tubular design and the S14d base connector.

2. SAFETY INFORMATION

- **Electrical Safety:** Always disconnect power before installing, removing, or servicing the lamp to prevent electric shock.
- **Compatibility:** Ensure the lamp's voltage (240 Volts) and base type (S14d) are compatible with your fixture.
- **Dimmability:** This lamp is dimmable. Use only with compatible dimmers. Refer to www.ledvance.com/dim for a list of compatible dimmers. Incompatible dimmers may cause flickering or damage to the lamp.
- **Indoor Use Only:** This product is designed for indoor use. Do not expose to moisture or outdoor elements.
- **Handling:** Handle the glass bulb with care to avoid breakage. Do not touch the lamp with wet hands.
- **Disposal:** Dispose of the lamp according to local regulations for electronic waste. Do not dispose of with general household waste.
- **Operating Temperature:** Ensure the operating environment is within the recommended temperature range for LED lamps.

3. PRODUCT FEATURES

The OSRAM LEDinestra Dimmable LED Tube offers several advanced features:

- LED alternative to traditional tubular incandescent lamps.

- Fully dimmable with many common dimmers.
- Provides especially uniform illumination.
- Mercury-free construction, making it environmentally friendly.
- Durable glass bulb material.
- Warm White light color (2700 Kelvin) for a comfortable ambiance.
- High brightness of 275 Lumens with low power consumption (4.9 Watts).

4. SETUP AND INSTALLATION

Follow these steps for safe and proper installation:

1. **Power Off:** Before beginning installation, ensure the power supply to the fixture is completely turned off at the circuit breaker.
2. **Remove Old Lamp (if applicable):** If replacing an existing lamp, carefully remove it from the S14d base. Allow it to cool if it was recently in use.
3. **Inspect Fixture:** Check the S14d lamp holder for any damage or wear. Ensure it is clean and dry.
4. **Insert New Lamp:** Gently align the S14d base of the OSRAM LEDinestra tube with the lamp holder. Insert the lamp firmly until it is securely seated. Do not force the lamp into the socket.
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.





Figure 4.1: Side View of the LED Tube

This image provides a side profile of the LEDinestra tube, showing the S14d base connector from a different angle, which is crucial for proper alignment during installation.

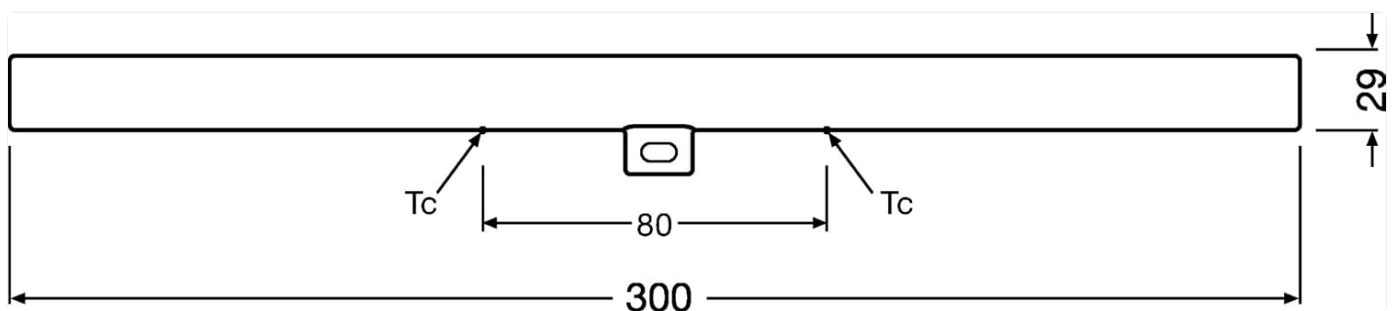


Figure 4.2: Technical Dimensions

This technical drawing illustrates the precise dimensions of the LEDinestra tube, including its 300mm length and 29mm diameter, which are important for checking fixture compatibility.

5. OPERATING INSTRUCTIONS

Operating the OSRAM LEDinestra Dimmable LED Tube is straightforward:

- **Turning On/Off:** Use your standard wall switch to turn the light on or off.

- **Dimming:** If connected to a compatible dimmer switch, adjust the dimmer control to achieve your desired brightness level. The lamp is designed for smooth dimming performance.

6. MAINTENANCE

The OSRAM LEDinestra LED Tube requires minimal maintenance:

- **Cleaning:** Ensure the lamp is cool and the power is off before cleaning. Wipe the lamp gently with a soft, dry, lint-free cloth. Do not use liquid or abrasive cleaners.
- **Inspection:** Periodically check the lamp and fixture for any signs of damage or loose connections.

7. TROUBLESHOOTING

If you encounter issues with your LEDinestra tube, refer to the following table:

Problem	Possible Cause	Solution
Lamp does not light up.	No power to the fixture, lamp not properly seated, or lamp failure.	Check circuit breaker. Ensure lamp is fully inserted into the S14d base. If still not working, the lamp may need replacement.
Lamp flickers or hums.	Incompatible dimmer, loose connection, or voltage fluctuations.	Ensure your dimmer is compatible (check www.ledvance.com/dim). Check for loose connections. Consult an electrician if voltage issues are suspected.
Lamp does not dim properly.	Incompatible dimmer or dimmer setting issues.	Verify dimmer compatibility. Some dimmers require a minimum load; ensure enough LED lamps are connected.
Light output is lower than expected.	Dust accumulation or lamp nearing end of life.	Clean the lamp surface. If the lamp is old, consider replacement.

8. SPECIFICATIONS

Detailed technical specifications for the OSRAM LEDinestra Dimmable LED Tube:

Model Number	LEDinestra DIM
Light Type	LED
Base Type	S14d
Wattage	4.9 Watts
Incandescent Equivalent	27 Watts
Brightness	275 Lumens
Color Temperature	2700 Kelvin (Warm White)
Voltage	240 Volts
Dimmable	Yes
Material	Glass

Dimensions (L x W x H)	11.81 x 1.14 x 1.14 inches (30cm length)
Item Weight	2.82 ounces (80 Grams)
Indoor/Outdoor Usage	Indoor
Color Rendering Index (CRI)	80
Energy Efficiency Class	F (based on 2019/2015 EU regulation)

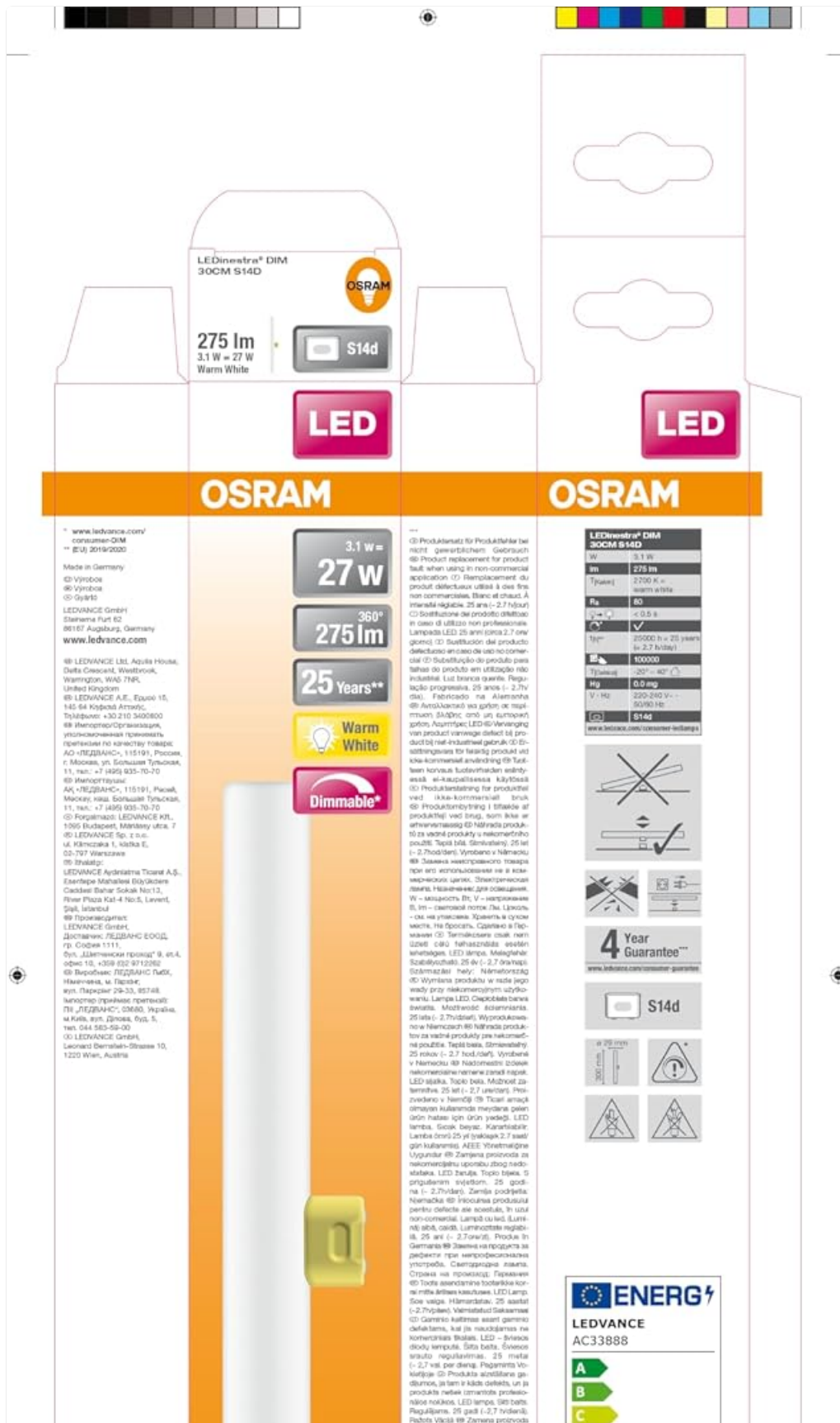




Figure 8.1: Energy Efficiency Label

This image displays the energy efficiency label for the LEDInestra tube, indicating its energy class F and power consumption of 4 kWh/1000h. More details can be found via the QR code or link: <https://eprel.ec.europa.eu/qr/522905>.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please contact OSRAM or LEDVANCE customer service. While specific warranty periods may vary by region, OSRAM products are known for their quality and reliability.

Manufacturer: LEDVANCE

For further assistance, visit the official OSRAM or LEDVANCE website or contact their customer support channels.

OSRAM Store on Amazon: [Visit the OSRAM Store](#)

LEDVANCE Website (General Information): www.ledvance.com

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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