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› OSRAM Vialox NAV-T 400 SUPER 4Y E40 High-Pressure Sodium Lamp User Manual

OSRAM 4050300281179

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Model: 4050300281179

1. PRODUCT OVERVIEW

The OSRAM Vialox NAV-T 400 SUPER 4Y is a 400-watt High-Pressure Sodium (HPS) lamp designed for various lighting applications. This tubular lamp features an E40 Giant Edison Screw base, making it suitable for compatible fixtures. It provides a specific light spectrum, often used in industrial, street, and horticultural lighting due to its high luminous efficacy.



Image 1.1: The OSRAM Vialox NAV-T 400 SUPER 4Y E40 lamp, showing its clear tubular glass envelope and E40 screw base.

2. SAFETY INFORMATION

WARNING: High-Pressure Sodium lamps operate at high temperatures and voltages. Improper installation or handling can result in electric shock, burns, or fire. Always follow these safety guidelines:

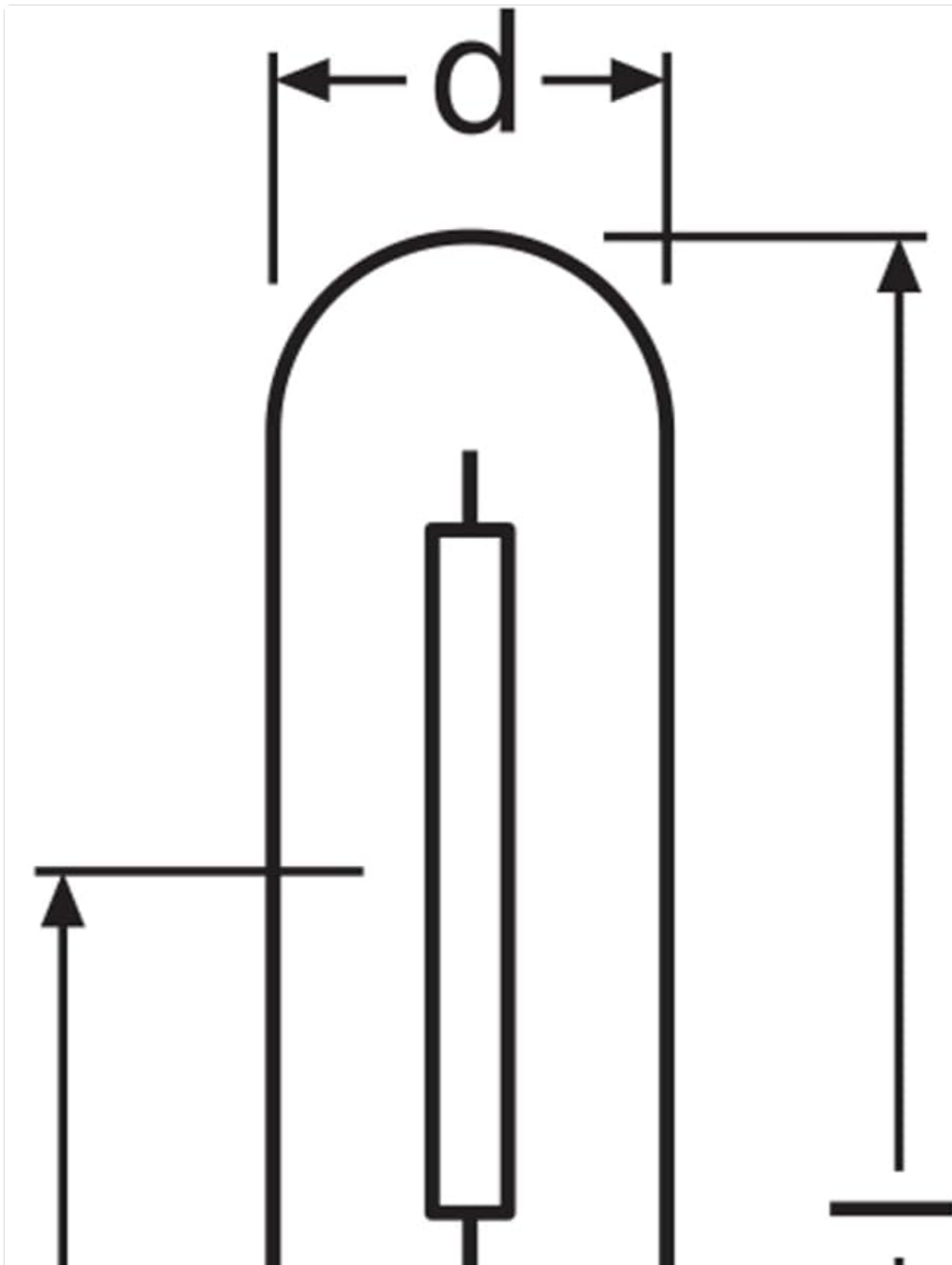
- **Power Disconnection:** Always ensure the power supply to the fixture is turned OFF and locked out before installing, removing, or servicing the lamp.
- **Correct Fixture:** Use only in enclosed fixtures specifically designed for 400W HPS lamps with an E40 base and appropriate ballast.
- **Handling:** Handle the lamp by its base, not the glass envelope. Avoid touching the glass with bare hands, as oils can create hot spots and reduce lamp life.
- **Eye Protection:** Do not look directly at an operating HPS lamp, as the intense light can cause eye damage.

- **Disposal:** Dispose of spent lamps according to local regulations, as they may contain small amounts of mercury.
- **Ventilation:** Ensure adequate ventilation around the fixture to prevent overheating.

3. SETUP AND INSTALLATION

Follow these steps for safe and correct installation of your OSRAM Vialox NAV-T 400 SUPER 4Y lamp:

1. **Verify Compatibility:** Confirm that your lighting fixture is rated for a 400W HPS lamp and has an E40 lamp holder. Ensure the ballast is compatible with HPS lamps.
2. **Disconnect Power:** Turn off the main power supply to the fixture at the circuit breaker or fuse box.
3. **Allow Cooling:** If replacing an old lamp, allow the fixture and old lamp to cool completely before handling.
4. **Remove Old Lamp (if applicable):** Carefully unscrew the old lamp counter-clockwise from the E40 lamp holder.
5. **Install New Lamp:** Holding the new OSRAM lamp by its metal E40 base, carefully screw it clockwise into the lamp holder until it is finger-tight. Do not overtighten.
6. **Restore Power:** Once the lamp is securely installed, restore power to the fixture.



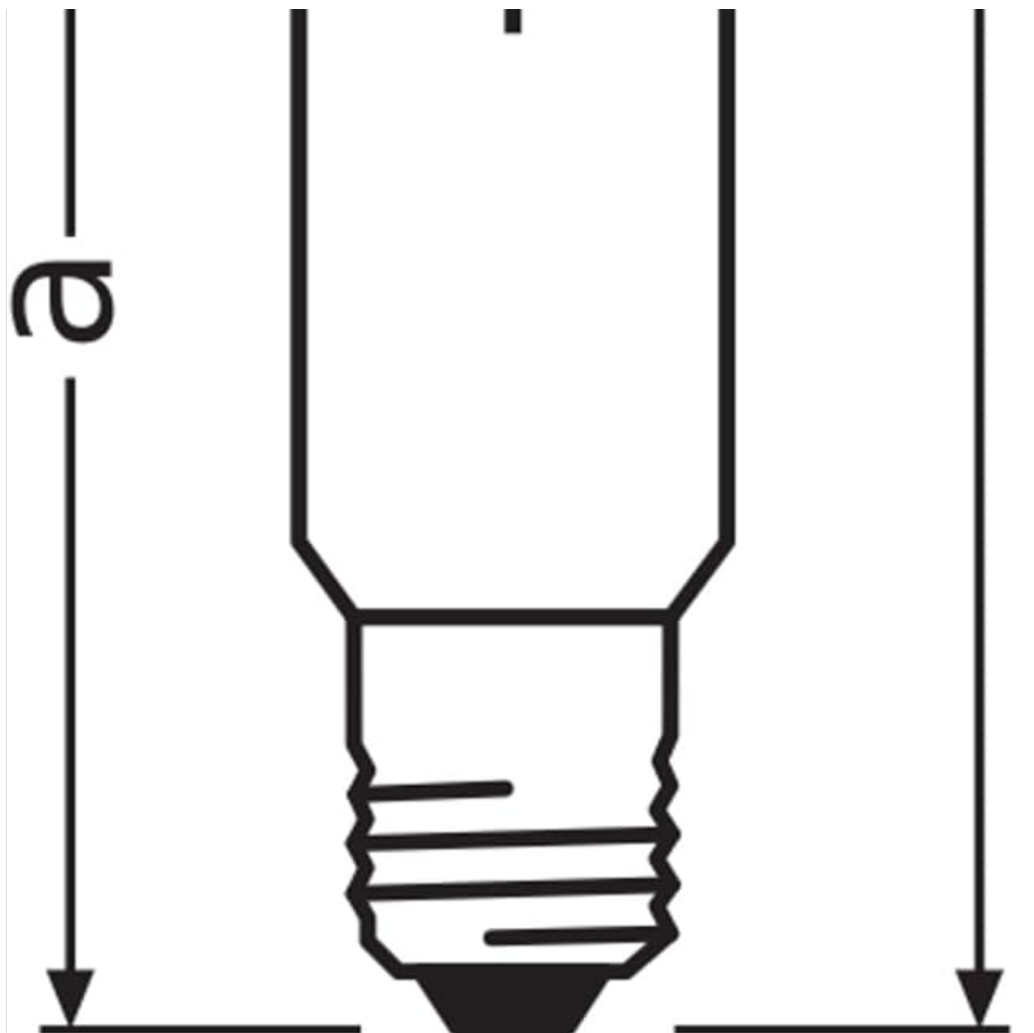


Image 3.1: A technical diagram illustrating the dimensions of a tubular bulb, similar to the OSRAM Vialox NAV-T, with 'd' indicating diameter and 'a' indicating overall length. This helps in verifying fixture compatibility.

4. OPERATING INSTRUCTIONS

After proper installation, operating the OSRAM Vialox NAV-T 400 SUPER 4Y lamp is straightforward:

- **Power On:** Turn on the power switch connected to the lighting fixture. The lamp will ignite and typically take several minutes to reach full brightness and color stability.
- **Restrike Time:** If the lamp is turned off, it requires a cool-down period (typically 5-15 minutes) before it can be reignited. Attempting to reignite it too soon may prevent it from starting or reduce its lifespan.
- **Control Method:** The product specifications mention "App" as a control method. This refers to the control of the fixture or ballast, not the bulb itself. Ensure your fixture's control system is properly configured if using smart controls.

5. MAINTENANCE

Minimal maintenance is required for the OSRAM Vialox NAV-T 400 SUPER 4Y lamp to ensure optimal performance and longevity:

- **Cleaning:** Periodically, with the power off and the lamp cool, gently wipe the glass envelope with a clean, dry, lint-free cloth to remove dust or debris. Do not use abrasive cleaners or liquids.
- **Inspection:** Regularly inspect the lamp and fixture for any signs of damage, such as cracked glass, loose connections, or discoloration. Replace damaged components immediately.

- **Replacement:** Replace the lamp when it reaches the end of its rated life, shows signs of flickering, or fails to ignite consistently.

6. TROUBLESHOOTING

If you encounter issues with your OSRAM Vialox NAV-T 400 SUPER 4Y lamp, consider the following:

Problem	Possible Cause	Solution
Lamp does not ignite.	• No power to fixture. • Lamp not screwed in properly. • Faulty ballast or ignitor. • Lamp has reached end of life.	• Check circuit breaker/fuse. • Ensure lamp is finger-tight. • Consult a qualified electrician. • Replace lamp.
Lamp flickers or cycles on/off.	• Lamp nearing end of life. • Incorrect ballast. • Voltage fluctuations.	• Replace lamp. • Verify ballast compatibility. • Consult an electrician.
Reduced light output.	• Dust/dirt on lamp. • Lamp nearing end of life.	• Clean lamp (power off, cool). • Replace lamp.

7. SPECIFICATIONS

Key technical specifications for the OSRAM Vialox NAV-T 400 SUPER 4Y E40 lamp:

Feature	Specification
Brand	OSRAM
Light Type	HPS (High-Pressure Sodium)
Wattage	400 watts
Bulb Shape Size	T (Tubular)
Bulb Base	E40 (Giant Edison Screw)
Unit Count	1.0 Count
Number of Items	1
Shape	Tubular
Color Rendering Index (CRI)	20
Item Weight	150 Grams (5.3 ounces)
Product Dimensions	11.22 x 1.85 x 1.85 inches (28.5 x 4.7 x 4.7 cm)
Model Number	4050300281179
Date First Available	August 7, 2012

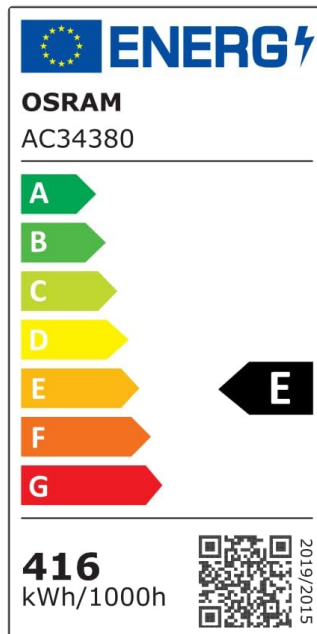


Image 7.1: The energy efficiency label for an OSRAM product (AC34380), indicating an energy class of E and energy consumption of 416 kWh/1000h. This label provides important energy consumption information.

For more details, refer to the official EPREL database: <https://eprel.ec.europa.eu/qr/546588>

8. WARRANTY INFORMATION

OSRAM products are manufactured to high-quality standards. Specific warranty terms and conditions may vary by region and retailer. Please retain your proof of purchase for any warranty claims. For detailed warranty information, refer to the official OSRAM website or contact your point of purchase.

9. SUPPORT

For technical assistance, product inquiries, or further support, please visit the official OSRAM website or contact their customer service department. Contact information can typically be found on the product packaging or the OSRAM brand store page.

OSRAM Brand Store: [Visit the OSRAM Store](#)

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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

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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