

Philips 281550

Philips F32T8/TL841/ALTO 32 Watt T8 Fluorescent Bulb Instruction Manual

Model: 281550

INTRODUCTION

This manual provides essential information for the safe and efficient use of your Philips F32T8/TL841/ALTO 32 Watt T8 Fluorescent Bulb. Please read these instructions carefully before installation and retain them for future reference.

The Philips F32T8/TL841/ALTO is a 32-watt T8 fluorescent lamp designed for general lighting applications. It features a medium bi-pin base, a color temperature of 4100 Kelvin (Cool White), and a color rendering index (CRI) of 85. This bulb provides 2600 lumens of brightness and has an average life of 36,000 hours, offering energy-efficient illumination.



Image: Philips F32T8/TL841/ALTO 32 Watt T8 Fluorescent Bulb. This image shows the typical appearance of the fluorescent tube.

SAFETY INFORMATION

WARNING: Risk of electric shock. Always disconnect power before installation, removal, or servicing.

- Ensure the power supply is turned off at the circuit breaker or fuse box before handling the bulb.
- Do not use in wet locations or where directly exposed to water.
- Handle fluorescent bulbs carefully. They contain a small amount of mercury. In case of breakage, ventilate the area and clean up carefully according to local guidelines.
- Dispose of used bulbs according to local regulations for fluorescent lamps. Do not dispose of in regular household waste.
- Ensure the fixture is compatible with T8 fluorescent bulbs and has a suitable ballast.
- Do not attempt to modify the bulb or use it for purposes other than intended.

SETUP AND INSTALLATION

1. **Power Disconnection:** Before beginning, ensure the power to the lighting fixture is completely turned off at the circuit breaker or wall switch.
2. **Remove Old Bulb (if applicable):** If replacing an existing bulb, carefully twist the old fluorescent tube 90 degrees to align the pins with the slots in the lampholder, then gently pull it out.
3. **Inspect Fixture:** Check the lampholders for any damage or corrosion. Ensure the ballast is compatible with T8 fluorescent lamps.
4. **Install New Bulb:** Align the two pins at each end of the Philips F32T8/TL841/ALTO bulb with the slots in the lampholders. Gently push the bulb into the lampholders until the pins are fully seated.
5. **Secure Bulb:** Rotate the bulb 90 degrees until it locks securely into place. Do not force the bulb.

6. **Restore Power:** Once the bulb is securely installed, restore power to the fixture.
7. **Test:** Turn on the light switch to ensure the bulb illuminates correctly.

OPERATING INSTRUCTIONS

The Philips F32T8/TL841/ALTO fluorescent bulb operates by simply applying power to the compatible lighting fixture. Once installed correctly in a fixture with a suitable ballast, the bulb will illuminate when the power switch is turned on.

- Ensure the bulb is properly seated in the fixture.
- Turn on the wall switch or power supply connected to the fixture.
- To turn off the light, simply turn off the wall switch or disconnect the power supply.

MAINTENANCE

Minimal maintenance is required for the Philips F32T8/TL841/ALTO fluorescent bulb.

- **Cleaning:** Periodically, with the power off, gently wipe the bulb with a soft, dry, lint-free cloth to remove dust and debris. Do not use liquid cleaners directly on the bulb.
- **Replacement:** Replace the bulb when it reaches the end of its life (indicated by flickering, dimming, or failure to light) or if it becomes damaged. Always follow the installation instructions when replacing.
- **Fixture Inspection:** Regularly inspect the lighting fixture and lampholders for any signs of wear, damage, or loose connections.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Bulb does not light up.	<ul style="list-style-type: none">• No power to the fixture.• Bulb not properly seated.• Defective bulb.• Faulty ballast or fixture wiring.	<ul style="list-style-type: none">• Check circuit breaker/switch.• Ensure bulb is fully inserted and twisted into lampholders.• Replace with a new, known-good bulb.• Consult a qualified electrician for fixture/ballast inspection.
Bulb flickers or hums.	<ul style="list-style-type: none">• Bulb nearing end of life.• Incorrect or failing ballast.• Loose connection.• Cold ambient temperature.	<ul style="list-style-type: none">• Replace the bulb.• Ensure ballast is compatible and functioning correctly.• Check bulb seating and fixture wiring (with power off).• Fluorescent bulbs may flicker briefly in cold conditions before stabilizing.

Problem	Possible Cause	Solution
Bulb is dim.	<ul style="list-style-type: none">• Bulb nearing end of life.• Dust accumulation on bulb/fixture.	<ul style="list-style-type: none">• Replace the bulb.• Clean the bulb and fixture (with power off).

SPECIFICATIONS

- Model:** Philips F32T8/TL841/ALTO (281550)
- Bulb Type:** T8 Fluorescent
- Wattage:** 32 Watts
- Base Type:** Medium Bi-Pin
- Color Temperature:** 4100 Kelvin (Cool White)
- Brightness:** 2600 Lumens
- Color Rendering Index (CRI):** 85
- Nominal Length:** 48 inches (4 ft.)
- Average Life:** 36,000 Hours
- Indoor/Outdoor Usage:** Indoor
- Voltage Frequency:** 100 to 120 Volts and 60 Hertz (Requires compatible ballast)
- Item Weight:** Approximately 13.42 pounds (for a pack of 30)
- Product Dimensions:** 48"W x 1"H (per bulb)

WARRANTY AND SUPPORT

For warranty information and customer support regarding your Philips F32T8/TL841/ALTO fluorescent bulb, please refer to the packaging or contact Philips customer service directly. You can often find support contact details on the official Philips website or through the retailer where the product was purchased.

Online Resources: For additional information, visit the official [Philips Store on Amazon](#).