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Philips 416750

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Model: 416750

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Philips 416750 125-Watt BR40 Clear Flood Heat Lamp Bulb. This incandescent heat lamp is designed to provide radiant heat with reduced visible light emission and glare. Its robust hard glass construction ensures durability. It is suitable for various indoor applications requiring general radiant heating.



Figure 1: Philips 416750 125-Watt BR40 Clear Flood Heat Lamp Bulb. This image displays the bulb's overall shape and clear finish, highlighting its BR40 flood design and standard E26 medium screw base.



Figure 2: Philips 416750 Heat Lamp Bulb in its retail packaging. The packaging highlights key features such as 120 Volt, Clear BR40, 125W, and Medium Base, along with estimated energy cost and life expectancy.

2. SAFETY INFORMATION

Please read and understand all safety warnings before installing or operating this heat lamp bulb. Failure to follow these instructions may result in fire, electric shock, or personal injury.

- **High Temperature:** This bulb generates significant heat. Do not touch the bulb when it is operating or immediately after it has been turned off. Allow sufficient time for cooling.
- **Proper Fixture:** Use only in fixtures rated for 125 watts or higher and designed for heat lamp bulbs. Ensure the fixture has adequate ventilation and a ceramic socket.
- **Flammable Materials:** Keep the bulb and fixture away from flammable materials such as curtains, paper, wood, and insulation. Maintain a safe distance from any surfaces.

- **Indoor Use Only:** This bulb is designed for indoor use in dry locations. Do not expose to water or moisture.
- **Voltage:** Ensure the power supply voltage matches the bulb's rating (120 Volts).
- **Installation:** Always turn off the power to the fixture and allow the bulb to cool completely before installation or removal.
- **Disposal:** Dispose of used bulbs according to local regulations.
- **Children and Pets:** Keep out of reach of children and pets to prevent accidental burns.

3. SETUP AND INSTALLATION

Follow these steps to safely install your Philips heat lamp bulb:

1. **Power Off:** Ensure the power supply to the fixture is turned off at the circuit breaker or wall switch before beginning installation.
2. **Select Fixture:** Choose a fixture specifically designed for heat lamps, rated for 125 watts or higher, and equipped with an E26 Medium screw base. The fixture should also provide adequate ventilation and protection from accidental contact.
3. **Unpack Bulb:** Carefully remove the bulb from its packaging. Avoid touching the glass with bare hands, as oils can reduce bulb life.
4. **Screw In Bulb:** Gently screw the bulb into the fixture's socket until it is finger-tight. Do not overtighten.
5. **Position Fixture:** Position the fixture securely, ensuring the bulb is at a safe distance from any objects or surfaces that could be damaged by heat. Refer to your fixture's instructions for recommended distances.
6. **Restore Power:** Once the bulb is securely installed and the fixture is safely positioned, restore power to the circuit.



Figure 3: Close-up view of the Philips heat lamp bulb, showing its E26 Medium screw base. This base type is common and ensures compatibility with standard light fixtures designed for incandescent bulbs.

4. OPERATING INSTRUCTIONS

This Philips heat lamp bulb is designed for simple operation:

- **Turning On/Off:** Use the wall switch or the switch on your fixture to turn the heat lamp on or off.
- **Heat Output:** The bulb will begin emitting heat immediately upon activation. The heat output is consistent for the 125-watt rating.
- **Dimmable Feature:** This bulb is dimmable. If used with a compatible dimmer switch, you can adjust the heat intensity. Ensure your dimmer switch is rated for incandescent loads and the total wattage of bulbs connected does not exceed the dimmer's maximum rating.

- **Applications:** This heat lamp is ideal for general radiant heating in areas such as bathrooms, hot food displays, localized space heating, and agricultural needs (e.g., brooding chicks).

5. MAINTENANCE

Proper maintenance ensures optimal performance and longevity of your heat lamp bulb:

- **Cleaning:** Before cleaning, always turn off the power and allow the bulb to cool completely. Wipe the bulb with a soft, dry cloth. Do not use liquid cleaners or abrasive materials, as these can damage the bulb or create a safety hazard.
- **Replacement:** When the bulb reaches the end of its operational life (approximately 5,000 hours), it will cease to function. Replace it with a new Philips 416750 125-Watt BR40 Clear Flood Heat Lamp Bulb or an equivalent incandescent heat lamp bulb with the same wattage and base type. Always ensure the power is off and the bulb is cool before replacing.
- **Inspection:** Periodically inspect the bulb and fixture for any signs of damage, such as cracks in the glass or loose connections. If damage is found, replace the bulb or repair the fixture before further use.

6. TROUBLESHOOTING

If your heat lamp bulb is not functioning as expected, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Bulb does not light up.	<ul style="list-style-type: none">◦ No power to the fixture.◦ Bulb not screwed in properly.◦ Bulb has reached end of life.◦ Faulty fixture or switch.	<ul style="list-style-type: none">◦ Check circuit breaker and wall switch.◦ Ensure bulb is securely tightened in the socket.◦ Replace the bulb with a new one.◦ Test the fixture with a known working bulb or consult a qualified electrician.
Reduced heat output.	<ul style="list-style-type: none">◦ Incorrect wattage bulb used.◦ Bulb is dimming (if dimmer is in use).◦ Distance from target is too great.	<ul style="list-style-type: none">◦ Ensure a 125-watt bulb is installed.◦ Adjust the dimmer switch to full brightness.◦ Adjust the fixture to bring the bulb closer to the desired heating area, while maintaining safe distances from flammable materials.

7. SPECIFICATIONS

Key technical specifications for the Philips 416750 125-Watt BR40 Clear Flood Heat Lamp Bulb:

Brand	Philips
Model Number	416750

Wattage	125 Watts
Bulb Shape Size	BR40
Bulb Base	E26 Medium
Voltage	120 Volts
Average Life	5,000 Hours
Material	Glass
Indoor/Outdoor Usage	Indoor
Special Feature	Dimmable
Product Dimensions	5"W x 6.29"H



Figure 4: Dimensional drawing of the Philips heat lamp bulb, indicating a width of 5 inches and a height of 6.29 inches. This helps users confirm compatibility with their fixtures.

8. WARRANTY AND SUPPORT

Limited Warranty: Philips warrants that this bulb will be free from defects in material and workmanship for 1 year based on up to 3 hours average usage per day/7 days per week, when used as directed. If this bulb does not conform to the warranty, Philips will send you, at its election, a replacement bulb or refund upon receipt of the returned bulb, register receipt, and proof of purchase. This limited warranty does not cover bulbs subject to accident, neglect, abuse, misuse, or acts of God. Replacement or refund is the sole remedy available. Except to the extent prohibited by applicable law, any implied warranties are limited in duration to the duration of this warranty. Liability for incidental or consequential damages is hereby expressly excluded. Some states do not allow exclusion of incidental or consequential damages, so the

above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Customer Support: For warranty claims or technical assistance, please refer to the contact information provided on the Philips official website or product packaging. You may also call their toll-free number or send an email as directed on their website to find out how to return the bulb.