

DIMPLEX LC3010W31

Dimplex LC3010W31 Linear Convector Electric Baseboard Heater User Manual

Model: LC3010W31

1. IMPORTANT SAFETY INSTRUCTIONS

Read all instructions before installing or using this heater. Failure to follow these instructions may result in fire, electric shock, or personal injury.

- **Electrical Connection:** This heater operates on 240 Volts. All wiring must be performed by a qualified electrician in accordance with national and local electrical codes.
- **Placement:** Do not install the heater directly below a wall receptacle. Maintain minimum clearances from combustible materials as specified in the installation section.
- **Overheat Protection:** This heater is equipped with an automatic overheat shutoff feature for safety. If the heater overheats, it will automatically turn off. To reset, disconnect power for a few minutes and then reconnect. If the issue persists, contact a qualified service person.
- **Water Exposure:** Do not use this heater in bathrooms, laundry areas, or similar locations where it may come into contact with water. Never immerse the heater in water.
- **Children and Pets:** Keep children and pets away from the heater. The surface of the heater can become hot during operation.
- **Airflow:** Do not block air openings. Ensure proper airflow around the heater to prevent overheating.

2. PRODUCT OVERVIEW

The Dimplex LC3010W31 is a 30-inch linear convector electric baseboard heater designed for efficient and quiet heating. Its compact and sleek design allows for versatile placement in various indoor spaces.



Figure 2.1: Front view of the Dimplex LC3010W31 Linear Convectector Electric Baseboard Heater.

Key features include:

- **Fast Heating:** Designed for rapid heat dispersal into the room.
- **Quiet Operation:** Features a superior shark-fin blade design on a steel tubular element for efficient and quiet heat transfer.
- **Durable Construction:** Made with polyester/epoxy powder coating to resist fading and abrasion, and a nickel chromium element for extended life and rust resistance.
- **Compact Design:** Up to 42% smaller than conventional baseboard heaters, offering discreet styling and flexible installation.

3. INSTALLATION

Installation of this 240V electric baseboard heater requires electrical wiring. It is strongly recommended that installation be performed by a qualified electrician to ensure compliance with all local and national electrical codes.

3.1 Mounting Location

- The heater is designed for floor mounting.
- Ensure the mounting surface is flat and stable.
- Maintain adequate clearance from walls, furniture, drapes, and other combustible materials. Refer to local codes for specific requirements.
- Do not obstruct the air intake or discharge vents.



Figure 3.1: Dimensions of the Dimplex LC3010W31 heater. The heater is approximately 30 inches long, 2.38 inches deep, and 6.62 inches high.

3.2 Electrical Connection

- Ensure the main power supply to the circuit is turned off at the breaker panel before beginning any wiring.
- Connect the heater to a dedicated 240V circuit as per the wiring diagram provided with the product packaging.
- All connections must be secure and properly insulated.



Figure 3.2: Example installation of the Dimplex LC3010W31 heater in a bathroom setting.



Figure 3.3: Example installation of the Dimplex LC3010W31 heater in a kitchen area.

4. OPERATION

This baseboard heater does not include an integrated thermostat. An external wall-mounted thermostat (sold separately) is required for temperature control. Once properly installed and wired to an external thermostat, operation is straightforward.

- **Turning On/Off:** The heater will turn on and off based on the settings of the external thermostat. Ensure the circuit breaker supplying power to the heater is in the 'ON' position.
- **Temperature Adjustment:** Adjust the desired room temperature using your external thermostat.
- **Initial Use:** When first operated, the heater may emit a slight odor or smoke. This is normal and temporary, caused by the burning off of manufacturing residues. Ensure the area is well-ventilated during initial use.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater. Always disconnect power to the heater at the main circuit breaker before performing any maintenance.

- **Cleaning:** Periodically clean the exterior of the heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Dust and Lint:** Use a vacuum cleaner with a brush attachment to remove dust and lint from the grilles and interior of the heater. Accumulated dust can reduce efficiency and pose a fire hazard.
- **No User-Serviceable Parts:** This heater contains no user-serviceable parts. Do not attempt to repair or modify the heater yourself. Contact a qualified service technician for any repairs.

6. TROUBLESHOOTING

If you experience issues with your Dimplex LC3010W31 heater, refer to the following common troubleshooting steps:

- **Heater Not Turning On:**
 - Check the circuit breaker for the heater's circuit. Ensure it is in the 'ON' position.
 - Verify that the external thermostat is set to a temperature above the current room temperature.
 - Ensure the heater is properly wired and all electrical connections are secure.
- **Heater Not Heating Effectively:**
 - Confirm the external thermostat is functioning correctly and set appropriately.
 - Check for obstructions around the heater that might be blocking airflow.
 - Ensure the room is adequately insulated and free from excessive drafts.
- **Heater Shuts Off Unexpectedly:**
 - The overheat protection may have activated. Disconnect power at the circuit breaker for 5-10 minutes, then restore power.
 - Check for blocked air vents or excessive dust accumulation.
 - If the issue persists, contact a qualified electrician or service technician.

7. SPECIFICATIONS

Specification	Detail
Model Number	LC3010W31

Brand	DIMPLEX
Voltage	240 Volts (also compatible with 208 Volts)
Wattage	1000 Watts
Amperage	4.8 Amps
Product Dimensions (D x W x H)	30" x 2.38" x 6.62" (76.2 cm x 6 cm x 16.9 cm)
Item Weight	4 pounds
Color	White
Material	Polyester/Epoxy Powder Coated Steel
Mounting Type	Floor Mount
Special Features	Fast Heating, Overheat Protection
Indoor/Outdoor Usage	Indoor
Heating Coverage	Up to 300 square feet (approximate, depends on insulation)

8. CUSTOMER SUPPORT

For further assistance, technical support, or warranty information, please contact Dimplex customer service. Refer to the product packaging or the official Dimplex website for current contact details.