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› [Dimplex LC3010W31 Linear Convector Electric Baseboard Heater User Manual](#)

## 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 Convector 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

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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

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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

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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

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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

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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.