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**LuxeBath Luxe-585**

# LuxeBath Luxe-585 600W Electric Heating Element User Manual

Model: Luxe-585 | Brand: LuxeBath

## 1. Introduction

This manual provides essential information for the safe and efficient use of your LuxeBath Luxe-585 600W Electric Heating Element. Designed for integration into bathroom radiators, this element offers precise temperature control, a digital display, and a timer function. Please read these instructions thoroughly before installation and operation, and retain them for future reference.

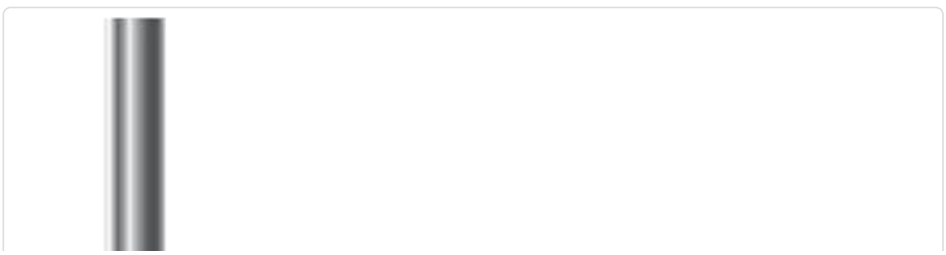
## 2. Safety Information

Your safety is paramount. Adhere to all warnings and instructions to prevent electric shock, fire, or injury.

- The heating element is designed exclusively for use in bathroom radiators.
- The radiator must be filled with a suitable heat transfer fluid for proper operation.
- The product has been tested and certified according to safety standards, achieving an IP44 protection class, ensuring safe use in bathroom environments.
- Equipped with an 85°C thermal fuse, the heating element automatically cuts power if the temperature exceeds safe limits.
- Protection Class I indicates that the product is designed with a protective earth connection.
- Do not operate the device if the power cord or plug is damaged.
- Ensure the power outlet is properly grounded and rated for the device's power consumption.
- Keep the device away from water sources and do not immerse it in water.
- Installation should be performed by a qualified professional if you are unsure.

## 3. Product Overview and Components

The LuxeBath Luxe-585 electric heating element consists of a heating rod, a control unit with a digital display, and a power cable with a Schuko plug.




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Figure 3.1: LuxeBath 600W Electric Heating Element with control unit and power plug.




Figure 3.2: Key components and dimensions of the heating element, including the G 1/2" connection thread and 115 cm power cable.

## 3.1 Materials

- **Heating Element:** Stainless Steel
- **Housing:** Plastic
- **Surface:** Glossy finish

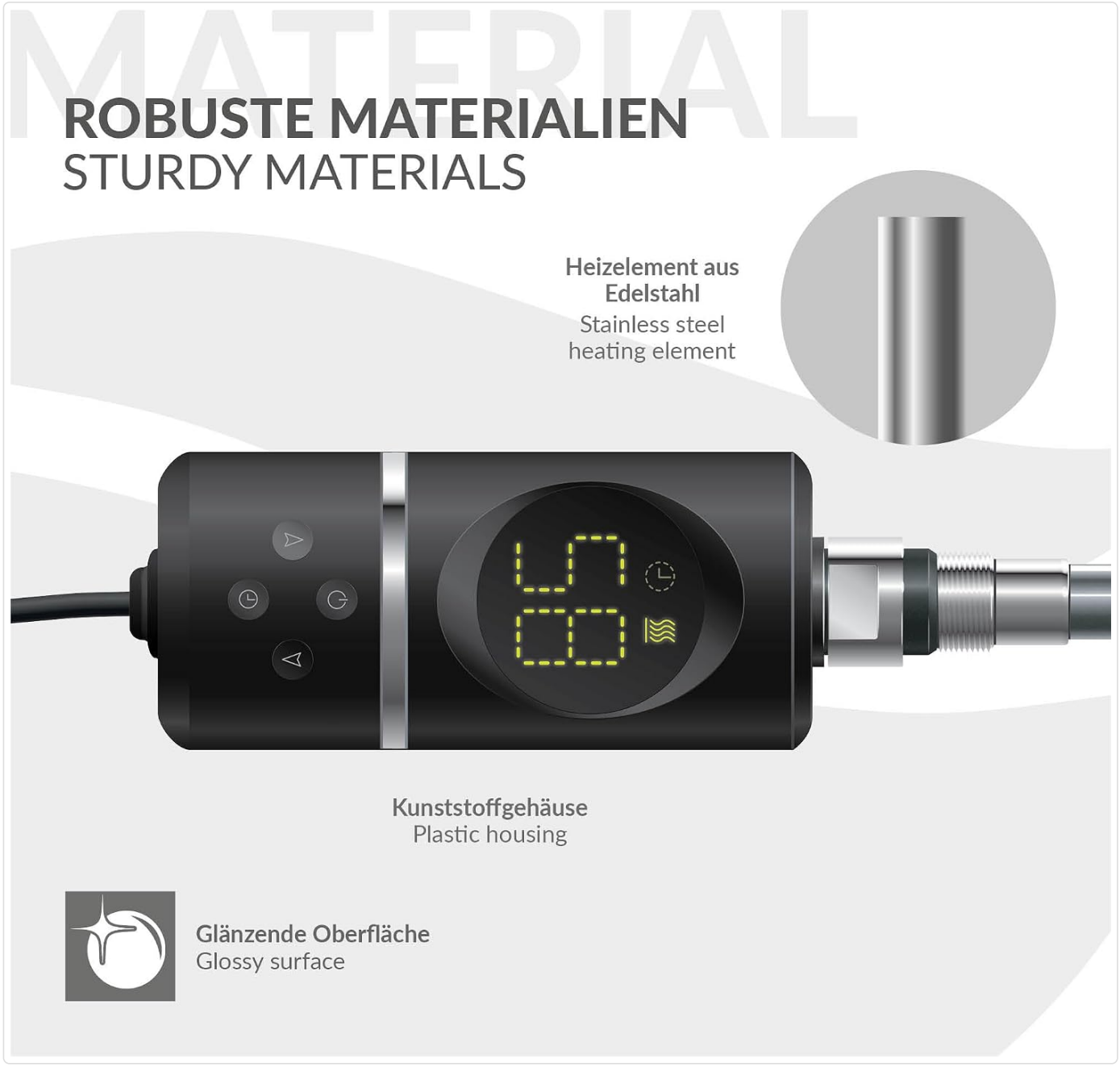



Figure 3.3: Illustration of the robust materials used in the heating element construction.

## 4. Installation

The LuxeBath electric heating element is designed for easy installation into compatible bathroom radiators. Ensure the radiator is suitable for electric heating and has the correct G 1/2" connection thread.

1. **Prepare the Radiator:** Ensure the bathroom radiator is properly installed and securely mounted.
2. **Fill with Fluid:** The radiator must be filled with a suitable heat transfer fluid (e.g., glycol-water mixture) before installing the heating element. This is crucial for efficient heat distribution and to prevent damage to the element.
3. **Insert Heating Element:** Carefully screw the heating element into the G 1/2" connection port of the radiator. Ensure a tight seal to prevent leaks.
4. **Secure Connection:** Once the element is securely in place, ensure the power cable is not strained or kinked.
5. **Power Connection:** Plug the Schuko plug into a properly grounded 230V electrical outlet.



Figure 4.1: Diagram illustrating the heating element installed within a radiator.



Figure 4.2: Example of the heating element installed in a bathroom radiator.

## 4.1 Radiator Compatibility

The choice of heating element power should match the radiator's heat output for optimal performance. Refer to the table below for guidance:

**Table 4.1: Recommended Heating Element Power for Radiator Heat Output**

| Radiator Heat Output | Heater Element Output |
|---|---|
| 300 W - 600 W | 300 W |
| 600 W - 900 W | 600 W |
| 900 W - 1200 W | 900 W |
| > 1200 W | 1200 W |




Figure 4.3: Guide for selecting the appropriate heating element based on radiator size and power.

## 5. Operating Instructions

The control unit features a digital display and mechanical buttons for easy operation.




Figure 5.1: Control panel layout and functions.

## 5.1 Control Panel Overview

- **Power Button (On/Off):** Activates or deactivates the heating element.
- **Timer Button (On/Off Timer):** Engages or disengages the timer function.
- **Selection Buttons (Up/Down Arrows):** Adjusts temperature settings or timer duration.
- **Digital Display:** Shows current temperature, timer status, and heating status.
- **Timer Status Indicator:** Illuminates when the timer function is active.
- **Heating Status Indicator:** Illuminates when the element is actively heating.
- **Temperature Display:** Shows the set or current temperature.

## 5.2 Setting Temperature

1. Press the Power Button to turn on the device.
2. Use the Up and Down Selection Buttons to adjust the desired temperature. The adjustable temperature range is 40-65°C (+/- 3°C).

3. The digital display will show the set temperature. The element will begin heating to reach this temperature.

### 5.3 Timer Function (Boost Mode)

The timer function, also referred to as Boost Mode, allows the heating element to operate at maximum power for a set duration.

1. Press the Timer Button to activate the timer function.
2. Each press of the Timer Button cycles through durations: 2, 4, 6, or 8 hours.
3. In timer mode, the heating element operates at full power, and the temperature is maintained at approximately 65°C. The temperature cannot be manually adjusted during timer operation.
4. The device will automatically switch off once the set timer duration has elapsed.

### 5.4 Frost Protection Function

The heating element includes a frost protection function to prevent the radiator fluid from freezing in cold environments. This function automatically activates when the ambient temperature drops to a critical level, ensuring the fluid remains above freezing point.

## 6. Maintenance

Regular maintenance ensures the longevity and efficient operation of your heating element.

- **Cleaning:** Disconnect the power before cleaning. Wipe the control unit and visible parts of the heating element with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Fluid Level:** Periodically check the heat transfer fluid level in your radiator. Ensure it is adequately filled as per your radiator's instructions.
- **Inspections:** Regularly inspect the power cable and plug for any signs of damage. If damage is found, discontinue use and contact a qualified technician for repair or replacement.
- **Storage:** If the heating element is not in use for an extended period, ensure it is disconnected from power and stored in a dry, safe place.

## 7. Troubleshooting

If you encounter issues with your LuxeBath electric heating element, refer to the following common problems and solutions:

**Table 7.1: Troubleshooting Guide**

| Problem | Possible Cause | Solution |
|---|---|---|
| Heating element does not turn on. | No power supply.<br>Device is off. | Check if the plug is securely inserted and the power outlet is functional.<br>Press the Power Button to turn on the device. |
| Radiator is not heating sufficiently. | Incorrect temperature setting.<br>Insufficient heat transfer fluid.<br>Radiator size mismatch. | Increase the set temperature.<br>Check and refill the radiator with appropriate fluid.<br>Ensure the heating element power matches the radiator's heat output (refer to Section 4.1). |

| Problem | Possible Cause | Solution |
|---|---|---|
| Device turns off unexpectedly. | Overheat protection activated.<br>Timer function elapsed. | Allow the device to cool down. Check for proper fluid levels and ventilation.<br>If in timer mode, the device will turn off after the set time. Restart if continuous heating is desired. |
| Digital display is not working. | Power issue.<br>Internal fault. | Check power supply. If the issue persists, contact customer support. |

If the problem persists after attempting these solutions, please contact LuxeBath customer support.

## 8. Specifications

Technical details for the LuxeBath Luxe-585 600W Electric Heating Element.




Figure 8.1: Detailed dimensions of the LuxeBath Luxe-585 600W Electric Heating Element.

**Table 8.1: Product Specifications**

| Feature | Detail |
|---|---|
| Brand | LuxeBath |
| Model | Luxe-585 |
| Power | 600W |
| Color | Black |
| Voltage | 230 Volt |
| Material | Stainless steel (heating element), Plastic (housing) |
| Product Dimensions | 65.5 x 4.5 x 4.5 cm (Total); Heating rod length: 535 mm; Heating rod diameter: 12 mm |
| Item Weight | 560 g |
| Connection Thread | G 1/2" |
| Power Cable Length | 115 cm |
| Adjustable Temperature Range | 40-65°C (+/- 3°C) |
| Thermal Fuse | 85°C |
| Protection Type | IP44 |
| Protection Class | I |
| Special Features | Digital display, Electronic temperature controller, Timer function, Frost protection |

## 9. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact LuxeBath customer service through the retailer where the product was purchased. Keep your proof of purchase for warranty claims.


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