

## Technical Precision DH214 SURFACE ILLUMINATION LONG LIFE

# Technical Precision DH214 Surface Illumination Long Life Light Bulb Replacement Manual

## 1. INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of the Technical Precision DH214 Surface Illumination Long Life Light Bulb replacement. This product is designed as a direct replacement for the DELTRONIC DH214 model, ensuring compatibility and performance. Please read this manual thoroughly before proceeding with installation or use.

## 2. SAFETY INFORMATION

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Adhering to safety guidelines is crucial for preventing injury and ensuring proper product function. Please observe the following precautions:

- **Disconnect Power:** Always ensure the power supply to the fixture is completely disconnected before attempting any installation, removal, or maintenance of the light bulb.
- **Allow Cooling:** If replacing an existing bulb, allow it to cool down completely before handling to prevent burns.
- **Handle with Care:** Avoid touching the glass part of the bulb with bare hands. Oils from skin can create hot spots, potentially reducing bulb life. Use a clean cloth or gloves.
- **Proper Disposal:** Dispose of used bulbs in accordance with local environmental regulations.
- **Voltage Compatibility:** Ensure the fixture's voltage matches the bulb's specified voltage (24 Volts) to prevent damage.

## 3. PRODUCT OVERVIEW

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The Technical Precision DH214 is a high-quality halogen light bulb designed for surface illumination applications. It features a tubular shape and a two-pin base for secure fitting.



Image: Technical Precision DH214 Surface Illumination Long Life Light Bulb. This image displays the bulb's clear glass reflector and the two-pin base, characteristic of a halogen bulb designed for specific illumination needs.

- **Type:** Halogen Bulb
- **Voltage:** 24 Volts
- **Wattage:** 250 Watts
- **Average Life:** 300 Hours
- **Bulb Length:** 1.75 Inches
- **Material:** Glass
- **Shape:** Tubular
- **Included Components:** Replacement Part

#### 4. SETUP AND INSTALLATION

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Follow these steps to correctly install your replacement light bulb:

1. **Turn Off Power:** Locate the power switch or circuit breaker controlling the light fixture and turn it off. Verify that the power is off before proceeding.
2. **Cool Down:** If an old bulb is being replaced, allow sufficient time for it to cool down completely to

avoid burns.

3. **Remove Old Bulb:** Carefully remove the existing bulb from its socket. Note the orientation of the pins if applicable.
4. **Handle New Bulb:** Using a clean cloth or gloves, carefully unpackage the Technical Precision DH214 bulb. Avoid touching the glass with bare hands.
5. **Insert New Bulb:** Align the two pins of the new bulb with the corresponding holes in the fixture's socket. Gently push the bulb into the socket until it is securely seated. Do not force the bulb.
6. **Restore Power:** Once the bulb is securely installed, restore power to the fixture.
7. **Test Functionality:** Turn on the light switch to confirm the new bulb is working correctly.

## 5. OPERATING INSTRUCTIONS

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The Technical Precision DH214 light bulb operates by simply activating the power switch of the fixture it is installed in. No special operating procedures are required beyond standard electrical safety practices.

## 6. MAINTENANCE

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Minimal maintenance is required for this light bulb:

- **Inspection:** Periodically inspect the bulb for any visible signs of damage, such as cracks in the glass or loose pins.
- **Cleaning:** If cleaning is necessary, ensure the power is off and the bulb is cool. Use a soft, dry, lint-free cloth to gently wipe the glass surface. Do not use liquid cleaners.
- **Replacement:** Replace the bulb when it reaches the end of its operational life or if it becomes damaged.

## 7. TROUBLESHOOTING

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If you encounter issues with your light bulb, consider the following troubleshooting steps:

- **Bulb Does Not Light Up:**
  - Verify that the power supply to the fixture is active.
  - Ensure the bulb is correctly and securely seated in its socket.
  - Check if the fixture's switch is in the 'ON' position.
  - If possible, test the bulb in another compatible fixture or test the fixture with a known working bulb to isolate the problem.
  - The bulb may have reached the end of its life and requires replacement.
- **Bulb Flickers:**
  - Ensure the bulb is fully inserted and making good contact in the socket.
  - Check for loose wiring in the fixture (consult a qualified electrician if unsure).
  - Verify that the voltage supplied to the fixture is stable and matches the bulb's requirements.
  - The bulb may be faulty or nearing the end of its life.

## 8. SPECIFICATIONS

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Feature	Specification
Brand	Technical Precision
Model Number	DH214 SURFACE ILLUMINATION LONG LIFE
Voltage	24 Volts
Wattage	250 Watts
Average Life	300 Hours
Material	Glass
Shape	Tubular
Bulb Length	1.75 Inches
Included Components	Replacement Part

## 9. WARRANTY AND SUPPORT

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This product is a replacement part manufactured by Technical Precision. For specific warranty details, please refer to the documentation provided at the time of purchase or contact Technical Precision directly. For technical support or inquiries, please reach out to the manufacturer's customer service channels.