Philips LED 465054

Philips LED GU10 Dimmable Spot Light Bulb User Manual

Model: 465054

1. Introduction

This manual provides essential information for the safe and efficient use of your Philips LED GU10 Dimmable Spot Light Bulbs. These bulbs are designed to provide high-quality, energy-efficient lighting for various indoor applications, offering a bright white light at 3000 Kelvin and smooth dimming capabilities.



Image: A pack of three Philips LED GU10 Dimmable Spot Light Bulbs, showcasing their design and base type.

2. Important Safety Information

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Turn Off Power:** Always disconnect power at the circuit breaker or fuse box before installing, removing, or servicing the bulb.
- **Indoor Use Only:** These bulbs are designed for indoor use in dry locations unless otherwise specified for outdoor use.
- **Proper Fixture:** Use only in fixtures rated for GU10 base bulbs and within the specified voltage range (120 Volts).

- **Dimmable Compatibility:** While these bulbs are dimmable, ensure your dimmer switch is compatible with LED technology to prevent flickering or damage. Consult your dimmer's manufacturer for compatibility.
- **Not for Philips HUE:** These bulbs are for non-connected use only and are not compatible with Philips HUE products.
- **Mercury-Free:** These LED bulbs do not contain mercury, making them a safer choice for your home and the environment.
- **Avoid Direct Contact:** Do not touch the bulb with bare hands during operation or immediately after turning off, as it may be hot.

3. Setup and Installation

Follow these steps to install your Philips LED GU10 Dimmable Spot Light Bulbs:

1. **Ensure Power is Off:** Before beginning, verify that the power to the fixture is turned off at the circuit breaker or wall switch.
2. **Remove Old Bulb:** Allow the old bulb to cool completely. Gently push the old GU10 bulb into its socket and twist counter-clockwise to unlock it, then pull it straight out.
3. **Insert New Bulb:** Align the two pins of the new Philips LED GU10 bulb with the slots in the fixture's socket. Push the bulb firmly into the socket and twist clockwise until it locks into place.
4. **Restore Power:** Once the bulb is securely installed, restore power to the fixture at the circuit breaker or wall switch.
5. **Test Functionality:** Turn on the light to ensure proper operation.



Image: A Philips LED GU10 bulb illuminating a wall from a track lighting fixture.

4. Operating Your Philips LED Bulbs

Your Philips LED GU10 bulbs are designed for ease of use and optimal visual comfort.

4.1. Dimmable Functionality

These bulbs offer smooth dimming from 3000 Kelvin (bright white) down to a soft glow, providing greater clarity

than traditional halogen bulbs. For best performance, use with LED-compatible dimmer switches. Philips LED dimming is flicker-free and silent.

4.2. EyeComfort Technology

Philips EyeComfort LEDs are engineered to meet strict test criteria for flicker, strobe, glare, and color rendition, ensuring light that is comfortable for your eyes. This technology helps reduce eye strain and provides high-fidelity light that accurately renders colors in your home.

Video: An official Philips video explaining the benefits of EyeComfort lighting, including flicker-free and glare-reducing features.



Image: A graphic illustrating the concept of EyeComfort, with a child comfortably reading under Philips LED lighting.

4.3. Color Temperature (3000 Kelvin)

These bulbs emit a 3000 Kelvin bright white light, which is ideal for creating a comfortable and inviting atmosphere. This color temperature is often preferred for general directional lighting in areas like hallways, stairwells, and alcoves, as well as for accent lighting.



Image: A chart demonstrating various light color temperatures, highlighting 3000K as 'Bright White' for a comfortable atmosphere.

5. Maintenance

Philips LED GU10 bulbs require minimal maintenance due to their long lifespan of approximately 15,000 hours (over 10 years based on 3 hours/day usage). This significantly reduces the need for frequent bulb replacements.

- **Cleaning:** To clean the bulb, ensure the power is off and the bulb is cool. Wipe gently with a soft, dry cloth. Do not use liquid or abrasive cleaners.
- **Replacement:** Replace the bulb only when it has reached the end of its operational life. Follow the installation steps in Section 3.

6. Troubleshooting

If you experience issues with your Philips LED GU10 bulbs, refer to the following common problems and solutions:

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Bulb does not light up.	No power to the fixture, loose connection, or faulty bulb.	Check power supply at the switch and circuit breaker. Ensure the bulb is securely twisted into the socket. Test with another known working bulb if available.
Bulb flickers or hums.	Incompatible dimmer switch or loose connection.	Ensure your dimmer switch is specifically designed for LED bulbs. If not, replace the dimmer. Check bulb connection.
Bulb does not dim properly.	Incompatible dimmer switch.	Verify your dimmer switch is compatible with LED technology. Some older dimmers may not provide the full dimming range or smooth operation.
Light output is lower than expected.	Incorrect bulb wattage for the application or dimming level.	Confirm the bulb's lumen output (400 lumens) meets your lighting needs. Adjust dimmer to full brightness if applicable.

7. Specifications

Detailed technical specifications for the Philips LED GU10 Dimmable Spot Light Bulb (Model: 465054):

Brand: Philips LED

Light Type: LED

Special Feature: Energy Efficient, Dimmable

Wattage: 6 Watts

Incandescent Equivalent: 50 Watts

Bulb Base: GU10 bi-pin

Brightness: 400 Lumens

Color Temperature: 3000 Kelvin (Bright White)

Beam Angle: 35 Degrees

Voltage: 120 Volts

Lifespan: 15,000 Hours (approx. 10 years based on 3 hrs/day)

Color Rendering Index (CRI): 80

Product Dimensions: 4.72"W x 3.7"H

Item Weight: 5.9 ounces (per pack)

Quantity: 3 Count (Pack of 1)

Model Name: 50 Watt Equivalent Bright White GU10 LED Light Bulb, 3 Pack

Part Number: 465054

UPC: 046677465056

8. Warranty and Support

Philips LED products are manufactured to the highest quality standards. For specific warranty details and terms, please refer to the warranty information provided with your purchase or visit the official Philips website. For technical support or further assistance, please contact Philips customer service through their official channels.

Keep your proof of purchase for any warranty claims.

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