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Philips LED 800029

Philips 4-Inch 5000K LED Dimmable Downlight User Manual

Model: **800029**

1. Introduction

Thank you for choosing the Philips 50 Watt Equivalent 4-inch 5000K LED Dimmable Downlight. This energy-efficient LED flood light is designed to easily convert your standard 4-inch recessed cans, providing high-quality illumination. With its 5000K Daylight color temperature, it offers a bright and invigorating light, ideal for various indoor and outdoor (under porch/eave) applications. This manual provides essential information for safe installation, operation, and maintenance of your new downlight.



Figure 1: Philips 4-inch LED Dimmable Downlight with E26 socket adapter.

2. Safety Information

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

- **WARNING:** Risk of electric shock. Disconnect power at the fuse or circuit breaker before installing or servicing.
- This product is designed for use with 120V, 60Hz circuits.
- Do not attempt to modify the fixture. Any modifications may void the warranty and create safety hazards.
- Ensure the installation location is structurally sound and can support the weight of the fixture.
- Suitable for wet and dry locations, including outdoor use under a porch or eave.
- Consult a qualified electrician if you are unsure about the installation process.

3. Product Features

The Philips LED Dimmable Downlight offers a range of features designed for convenience and efficiency:

- **Energy Efficiency:** Consumes only 8.5 Watts of energy, equivalent to a 50 Watt incandescent bulb, leading to significant energy savings.
- **Versatile Application:** Ideal for use in kitchens, living rooms, bedrooms, bathrooms, showers, or outdoors under a porch or eave.
- **Easy Installation:** Converts standard recessed cans into a high-quality LED flood light with a medium-based socket adapter.
- **Dimmable:** Fully dimmable down to 10% of full light levels, allowing for adjustable ambiance.
- **Instant-On:** Provides full brightness immediately upon switching on.
- **Long Lifetime:** Designed for a lifetime of 50,000 hours (approximately 45 years based on 3 hours/day), reducing maintenance and replacement frequency.
- **EyeComfort Certified:** Meets strict test criteria for flicker, strobe, glare, and color rendition for comfortable lighting.



Figure 2: Product packaging highlighting key features and energy savings.

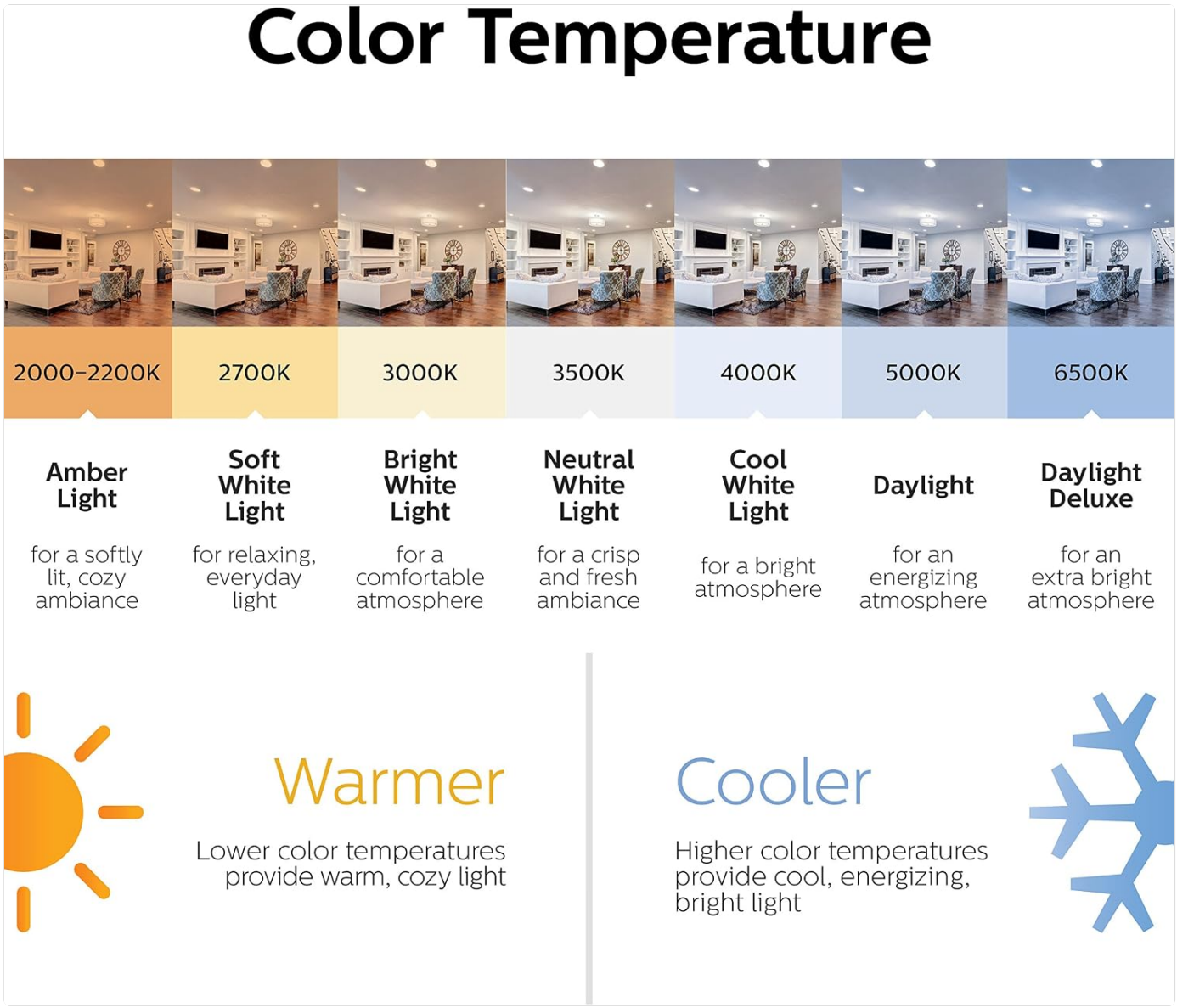


Figure 3: Illustration of different color temperatures, with 5000K providing a Daylight atmosphere.

4. Installation Guide

This Philips LED downlight is designed for easy retrofit installation into existing 4-inch recessed can housings. Follow these steps for a safe and proper installation:

1. **Turn Off Power:** Before beginning installation, ensure the power to the recessed fixture is turned off at the circuit breaker or fuse box.
2. **Remove Existing Bulb and Trim:** Carefully remove the existing light bulb and any trim or baffle from the recessed can.
3. **Screw in Adapter:** Screw the E26 medium-based socket adapter of the LED downlight into the existing socket within the recessed can. Ensure it is securely tightened.
4. **Connect Wiring:** Gently push any excess wiring into the recessed can.
5. **Insert Downlight:** Carefully push the LED downlight up into the recessed can. The spring clips on the sides of the downlight will compress and then expand to hold the fixture securely in place against the ceiling.
6. **Secure Fixture:** Ensure the downlight is flush with the ceiling. Adjust as necessary until it is seated properly.
7. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
8. **Test:** Test the light to ensure it functions correctly.



Figure 4: Side view of the downlight, showing the integrated design.



Figure 5: Top view illustrating the spring clips for secure installation.

5. Operation

Operating your Philips LED Dimmable Downlight is straightforward:

- **Turning On/Off:** Use your standard wall switch to turn the light fixture on or off. The LED downlight provides instant full brightness.
- **Dimming:** This downlight is fully dimmable. For optimal performance, use with compatible LED dimmers. Adjust the dimmer switch to achieve your desired light level, from full brightness down to 10%.
- **Light Color:** The downlight emits a 5000 Kelvin (K) Daylight color, which is a bright, cool white light, ideal for task lighting and creating an energetic atmosphere.

6. Maintenance

The Philips LED Dimmable Downlight is designed for long-term, maintenance-free operation. Due to its extended lifetime of 50,000 hours, frequent bulb replacement is not necessary.

- **Cleaning:** To clean the fixture, ensure the power is turned off at the circuit breaker. Use a soft, dry, or slightly damp cloth to wipe the surface. Do not use abrasive cleaners or solvents, as they may damage the finish or electrical

components.

- **No User-Serviceable Parts:** There are no user-serviceable parts inside this fixture. Do not attempt to disassemble or repair the downlight.

7. Troubleshooting

If you encounter any issues with your Philips LED Dimmable Downlight, refer to the following table for common problems and solutions:

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture; loose connection; faulty switch.	Check circuit breaker/fuse. Ensure all connections are secure. Test the wall switch.
Light flickers or dims inconsistently.	Incompatible dimmer switch; loose connection; voltage fluctuations.	Ensure dimmer is LED compatible. Check wiring connections. Consult an electrician if voltage issues persist.
Light is not flush with the ceiling.	Spring clips not properly engaged or recessed can too large/small.	Gently push the fixture firmly into the can until clips engage. Verify can size is 4-inch.
Light is too bright or too dim.	Dimmer setting.	Adjust the dimmer switch to your preferred brightness level.

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

8. Specifications

Brand	Philips LED
Model Number	800029
Size	4 Inch
Wattage Equivalent	50 Watt
Actual Wattage	8.5 Watts
Light Source Type	LED
Color Temperature	5000 Kelvin (Daylight White)
Brightness	680 Lumens
Voltage	120 Volts
Dimmable	Yes
Lifetime	50,000 hours (approx. 45 years)
Bulb Base	E26 Medium (with included socket adapter)
Product Dimensions	4.8"L x 4"W x 4"H
Material	Plastic (Shade), Copper (Internal Components)

Finish Type	White
Certification	ENERGY STAR Certified
Suitable Locations	Wet & Dry locations, Outdoor (under porch/eave)

9. Warranty Information

This Philips LED Dimmable Downlight comes with a**5-year warranty**. Please refer to the product packaging for complete warranty details and terms. The warranty covers defects in materials and workmanship under normal use.

10. Support and Contact

For further assistance, technical support, or warranty claims, please contact Philips customer service. You may also find additional information and resources on the official Philips Lighting website.

An official User Guide (PDF) for this product is available for download:Download User Guide (PDF)

For more information about Philips LED products, visit thePhilips Store on Amazon.

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