

Philips 591965

Philips Plug and Play 5-CCT Type A LED Tube Light Bulb User Manual

Model: 591965

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Philips Plug and Play 5-CCT Type A LED Tube Light Bulbs. These LED tubes are designed to replace traditional T8 and T12 fluorescent bulbs, offering selectable color temperatures and energy efficiency. Please read this manual thoroughly before installation and retain it for future reference.



Figure 1: Philips Plug and Play 5-CCT Type A LED Tube Light Bulb and its packaging. The packaging highlights key features such as "Plug and Play," "T12 replaces 40W," "Selectable CCT," "1800 lumens," and "48 inches." The bulb itself is a long, white tube with blue accents at the ends.

2. SAFETY INFORMATION

WARNING: To reduce the risk of electric shock, fire, or injury, always turn off power to the fixture at the circuit breaker or fuse box before installation or maintenance.

- Ensure the fixture is compatible with Type A (Plug and Play) LED tubes. These tubes are designed to work with existing electronic or magnetic ballasts.
- Do not attempt to bypass the ballast or wire directly to line voltage unless specifically instructed by a qualified electrician. This product is designed for ballast-compatible operation.
- Do not use with dimmers unless the ballast and fixture are specifically rated for dimmable LED tubes.
- Handle glass tubes with care to prevent breakage.

- This product is intended for indoor use in dry locations.
- Consult a qualified electrician if you are unsure about the compatibility or installation process.

3. PACKAGE CONTENTS

Your package should contain the following items:

- 10 x Philips Plug and Play 5-CCT Type A LED Tube Light Bulbs (Model: 591965)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

These Philips LED tubes are designed for simple "Plug and Play" installation, directly replacing T8 and T12 linear fluorescent tubes without rewiring.

1. **Turn Off Power:** Before beginning installation, ensure the power to the fixture is completely turned off at the circuit breaker or fuse box. Verify power is off using a voltage tester.
2. **Remove Existing Fluorescent Tubes:** Carefully rotate and remove the old fluorescent tubes from the fixture. Dispose of fluorescent tubes according to local regulations.
3. **Select Color Temperature (CCT):** Locate the CCT selector switch on one end of the Philips LED tube. Before installing, choose your desired color temperature:
 - 3000K (Bright White)
 - 3500K (Neutral White)
 - 4000K (Cool White)
 - 5000K (Daylight)
 - 6500K (Daylight Deluxe)

Our most compatible LED tubes replace T8 and T12 fluorescents*



*Philips Type A Plug and Play LED tubes are compatible with most electronic and magnetic ballasts.

Figure 2: Image showing four Philips LED tubes, each labeled with a different color temperature (3000K, 4000K, 5000K) and a fourth tube indicating the ability to choose from Bright White to Daylight Deluxe. This illustrates the 5-CCT selectable feature.

4. **Install LED Tube:** Insert the Philips LED tube into the fixture sockets. Ensure the pins are properly aligned and gently rotate the tube until it locks into place.

Easily replace T8 and T12 linear fluorescent tubes

Plug and play
installation

Works with most
electronic and
magnetic ballasts

Figure 3: Two images demonstrating the installation process. The top image shows a hand inserting a Philips LED tube into a fixture, labeled "Plug and play installation." The bottom image shows the tube fully installed, labeled "Works with most electronic and magnetic ballasts."

T8/T12 Plug and Play works with most electronic and magnetic ballasts



Figure 4: A close-up view of a Philips LED tube being installed into a ceiling fixture, emphasizing its compatibility with most electronic and magnetic ballasts.

5. **Restore Power:** Once all tubes are securely installed, restore power to the fixture at the circuit breaker.
6. **Test:** Turn on the light switch to confirm proper operation.

5. OPERATING INSTRUCTIONS

Once installed, the Philips Plug and Play LED tubes operate like traditional fluorescent tubes. Simply use your existing light switch to turn the lights on and off.

5.1 Color Temperature Selection

The color temperature (CCT) is selected via a switch on the end of each tube *prior to installation*. Once installed, the CCT cannot be changed without removing the tube and adjusting the switch. Ensure your desired CCT is set before final installation.

- **3000K (Bright White):** A warm, inviting light, similar to traditional incandescent bulbs.
- **3500K (Neutral White):** A balanced white light, suitable for general purpose areas.

- **4000K (Cool White):** A crisp, clean white light, often used in offices and task lighting.
- **5000K (Daylight):** A bright, bluish-white light, mimicking natural daylight.
- **6500K (Daylight Deluxe):** A very cool, bright white light, ideal for areas requiring high visibility.

6. MAINTENANCE

Philips LED tubes require minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the tubes with a soft, dry, or slightly damp cloth. Do not use abrasive cleaners or solvents.
- **Replacement:** These LED tubes have a long lifespan. If a tube fails, follow the installation steps in reverse to remove it, and replace it with a new Philips Plug and Play LED tube of the same model.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn on.	No power to the fixture.	Check circuit breaker and light switch.
	Tube not properly seated.	Ensure tube pins are fully inserted and rotated into sockets.
	Incompatible or faulty ballast.	Verify ballast compatibility (Type A LED tubes require a compatible ballast). If ballast is old or failing, it may need replacement or a ballast-bypass (Type B) LED tube. Consult a qualified electrician.
	Faulty LED tube.	Replace the LED tube with a known working one.
Light flickers or strobos.	Incompatible or failing ballast.	Ensure ballast is compatible. If flickering persists, the ballast may be failing and require replacement or a ballast-bypass (Type B) LED tube. Consult a qualified electrician.
	Loose connection.	Check that the tube is securely seated in the sockets.
Incorrect color temperature.	CCT selector switch not set correctly.	Turn off power, remove the tube, and adjust the CCT selector switch to the desired setting before re-installing.

8. SPECIFICATIONS

Feature	Detail
Brand	Philips
Model Name	16T12/LED/48-5CCT/IF18/G 5/2 FB (Model Number: 591965)
Light Type	LED
Special Feature	Color Changing (5-CCT Selectable)
Wattage	16 watts
Incandescent Equivalent Wattage	40 Watts

Feature	Detail
Bulb Shape Size	T8 (replaces T8 and T12)
Bulb Base	G13
Voltage	120 Volts
Color Temperature Options	3000K, 3500K, 4000K, 5000K, 6500K
Brightness	1800 Lumens
Color Rendering Index (CRI)	80
Material	Glass
Item Weight (per 10-pack)	7.09 pounds
Package Dimensions	49 x 6.5 x 3 inches
GTIN	50046677591965

9. WARRANTY AND SUPPORT

This Philips LED tube light bulb comes with a **2-year manufacturer's warranty**. Please retain your proof of purchase for warranty claims.

For technical support, warranty inquiries, or further assistance, please contact Philips customer service. Refer to the product packaging or the official Philips website for the most current contact information.

For more information on Philips EyeComfort standards, visit www.philips.com/eyecomfort.

EyeComfort Designed for the comfort of your eyes.



*Designed for the comfort of your eyes.

Visit www.Philips.com/eyecomfort for flicker, strobe and other eye comfort criteria and product details.

Figure 5: Image displaying the "EyeComfort" logo and text "Designed for the comfort of your eyes." It also includes a note about visiting the Philips website for details on flicker, strobe, and other eye comfort criteria.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question