

Lutron LECL-153PH-WH

Lutron Lumea 150W LED/Incandescent/Halogen Dimmer Switch (Model LECL-153PH-WH) User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Lutron Lumea 150W Dimmer Switch, model LECL-153PH-WH. This dimmer is designed to control dimmable LED, incandescent, and halogen light sources, offering adjustable light levels for enhanced comfort and energy savings.

2. IMPORTANT SAFETY INFORMATION

- **WARNING:** To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that power is off before wiring.
- Install in accordance with all national and local electrical codes.
- Use only with permanently installed fixtures with dimmable LED, incandescent, or halogen lamps.
- Do not use with non-dimmable light sources, motor-driven appliances, or transformers.
- If you are unsure about any part of these instructions, consult a qualified electrician.

3. PACKAGE CONTENTS

- One (1) Lutron Lumea 150W Dimmer Switch (Model LECL-153PH-WH)
- *Note: Wall plate is not included and is sold separately.*

4. INSTALLATION INSTRUCTIONS

1. **Turn Off Power:** Locate the circuit breaker or fuse box that controls the lighting circuit you will be working on. Turn off the power completely. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the wall plate and unscrew the existing switch from the wall box. Disconnect the wires from the old switch.
3. **Identify Wires:** Identify the following wires in your wall box: Line (hot), Load (to light fixture), and Ground. If installing in a 3-way application, identify the traveler wires.
4. **Wire the Dimmer:** Connect the wires to the Lutron Lumea dimmer switch using the screw terminals. Refer to the wiring diagram below for typical connections. Ensure all connections are secure.

5. **Mount the Dimmer:** Gently fold the wires into the wall box and secure the dimmer switch to the wall box using the provided screws.
6. **Install Wall Plate:** Attach the new wall plate (sold separately) over the dimmer switch.
7. **Restore Power:** Turn the power back on at the circuit breaker.



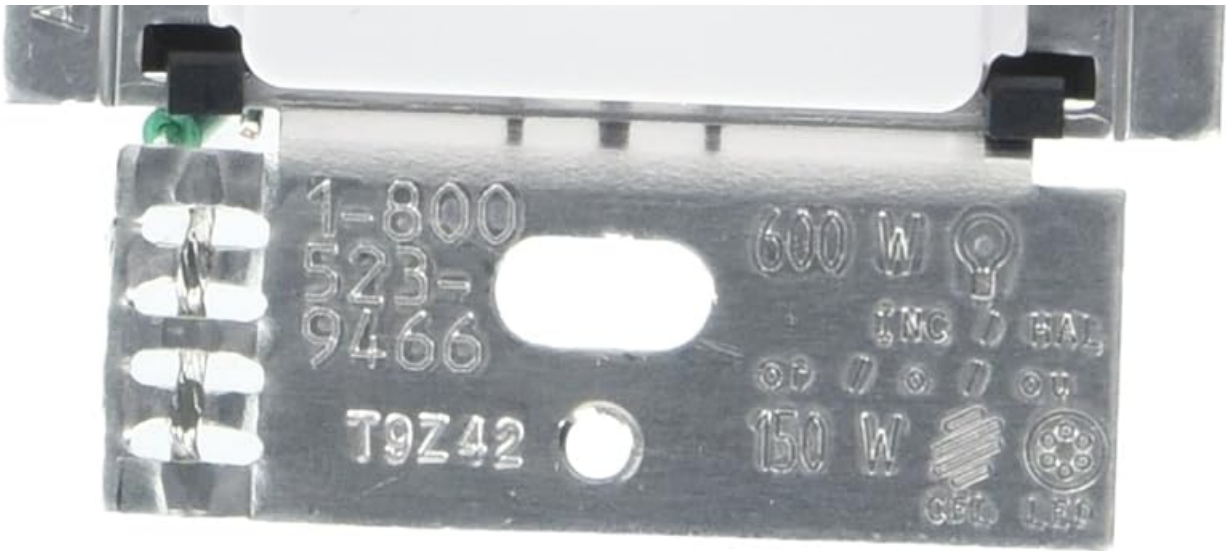


Figure 1: Lutron Lumea Dimmer Switch. This image displays the front and side views of the dimmer switch, highlighting the slider control, the on/off button, and the wiring terminals. Labels such as "POWER", "OFF", "TURN", "UP", "COURANT", "ARRÊTEZ" are visible on the metal frame, along with wattage ratings for incandescent/ballast (600W) and LED (150W).

Wiring Diagram (Typical Single-Pole Installation)

- **Green Wire:** Connect to Ground wire from wall box.
- **Black Wire:** Connect to Line (hot) wire from wall box.
- **Red Wire:** Connect to Load wire (to light fixture).
- **Red/White Stripe Wire (if present):** Used for 3-way applications. Cap if not used.

5. OPERATING YOUR DIMMER SWITCH

- **Turn Lights On/Off:** Press the bottom button to turn the lights on or off.
- **Adjust Brightness:** Move the slider control up to increase light brightness and down to decrease light brightness.

6. CARE AND MAINTENANCE

To clean your dimmer switch, wipe with a soft, damp cloth. Do not use chemical cleaners or abrasive materials, as these may damage the finish.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Lights do not turn on.	Power is off at breaker; loose wiring; bulb burned out.	Check circuit breaker; verify wiring connections; replace bulb.
Lights flicker or hum.	Non-dimmable bulbs; incompatible bulbs; loose wiring.	Ensure bulbs are dimmable; try different dimmable bulbs; check wiring.
Lights do not dim properly.	Non-dimmable bulbs; dimmer capacity exceeded; incompatible bulbs.	Use dimmable bulbs; ensure total wattage does not exceed 150W LED or 600W Incandescent/Halogen; try different dimmable bulbs.

8. PRODUCT SPECIFICATIONS

- **Model:** LECL-153PH-WH
- **Brand:** Lutron
- **Operation Mode:** ON-OFF
- **Current Rating:** 1.25 Amps
- **Operating Voltage:** 120 Volts
- **Wattage:** 150W (LED), 600W (Incandescent/Halogen)
- **Contact Type:** Normally Open
- **Connector Type:** Clamp
- **Terminal:** Screw
- **Dimensions (L x W x H):** 2 x 4 x 6 inches
- **Circuit Type:** Dimmer
- **Mounting Type:** Wall Mount
- **Actuator Type:** Slider
- **Contact Material:** Plastic
- **International Protection Rating:** IP54
- **Control Method:** Touch
- **Color:** White
- **Item Weight:** 3.52 ounces
- **Type of Bulb:** LED, Incandescent, Halogen
- **Special Features:** Wall plate Not Included (Sold Separately)

9. WARRANTY AND CUSTOMER SUPPORT


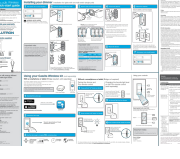
This Lutron product is covered by a warranty. For specific warranty details, please refer to the documentation included with your purchase or visit the official Lutron website. For technical assistance or customer support, please contact Lutron at:

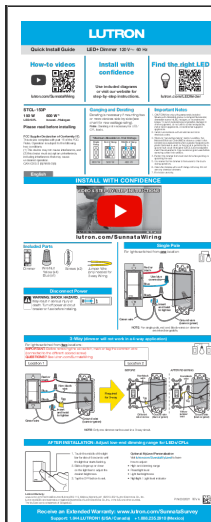
- **Phone:** 1-800-523-9466
- **Website:** www.lutron.com



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Related Documents - LECL-153PH-WH

 <p>Diva LED+ Dimmer Dimmer switch for dimmable LED, CFL, halogen, and incandescent bulbs. Features include: 1500W (120V) or 1000W (240V) load capacity, 1000-hour life expectancy, and compatibility with most dimmable bulbs. Includes a wiring diagram and a table of specifications.</p>	<p>Lutron Diva LED+ Dimmer: Specifications, Features, and Wiring Guide</p> <p>Comprehensive specifications, features, color options, and wiring diagrams for the Lutron Diva LED+ Dimmer switch, designed for dimmable LED, CFL, halogen, and incandescent bulbs.</p>
 <p>LUTRON LED+ Dimmer Quick Install Guide RCL-153PNL A quick installation guide for the Lutron LED+ Dimmer, model RCL-153PNL. It provides step-by-step instructions for single-pole and 3-way installations, including important safety notes and dimming range adjustments. The guide includes a QR code for more information.</p>	<p>Lutron LED+ Dimmer Quick Install Guide RCL-153PNL</p> <p>A quick installation guide for the Lutron LED+ Dimmer, model RCL-153PNL, providing step-by-step instructions for single-pole and 3-way installations, including important safety notes and dimming range adjustments.</p>
 <p>Lutron C.L. Dimmer Installation Guide Installation guide for Lutron C.L. dimmers (Diva, Lumea, Skylark Contour, Skylark) compatible with Dimmable CFL, LED, Halogen, and Incandescent bulbs. Provides instructions for wiring, dimming range adjustment, troubleshooting, and multigang installations. Features safety warnings and warranty information.</p>	<p>Lutron C.L. Dimmer Installation Guide: Diva, Lumea, Skylark Contour, Skylark</p> <p>Installation guide for Lutron C.L. dimmers (Diva, Lumea, Skylark Contour, Skylark) compatible with Dimmable CFL, LED, Halogen, and Incandescent bulbs. Provides instructions for wiring, dimming range adjustment, troubleshooting, and multigang installations. Features safety warnings and warranty information.</p>
 <p>Green Electrical Supply A logo for Green Electrical Supply, featuring a green leaf and the text 'Green Electrical Supply'.</p>	<p>Lutron Caséta Wireless In-Wall Dimmer PD-6WCL Quick Start Guide</p> <p>Quick start guide for installing and using the Lutron Caséta Wireless In-Wall Dimmer (Model PD-6WCL). Learn about setup, compatibility, controls, and troubleshooting.</p>
 <p>Lutron Caséta Wireless In-Wall Dimmer Quick-Start Guide A comprehensive quick-start guide for installing and using the Lutron Caséta Wireless In-Wall Dimmer (DS-6WCL). Includes step-by-step installation instructions, pairing with Pico remotes, using the Lutron app, troubleshooting tips, and technical specifications.</p>	<p>Lutron Caséta Wireless In-Wall Dimmer Quick-Start Guide</p> <p>A comprehensive quick-start guide for installing and using the Lutron Caséta Wireless In-Wall Dimmer (DS-6WCL). Includes step-by-step installation instructions, pairing with Pico remotes, using the Lutron app, troubleshooting tips, and technical specifications.</p>



[Lutron STCL-153P LED+ Dimmer Quick Install Guide](#)

A quick installation guide for the Lutron STCL-153P LED+ Dimmer, including wiring instructions for single-pole and 3-way applications, derating information, and low-end dimming adjustments.