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Greluma ZL748LUM

Greluma In-Line Switch with LED Indicator (3-Pack, 250V 10A)

Model: ZL748LUM

1. PRODUCT OVERVIEW

The Greluma In-Line Switch is designed to provide convenient on/off control for various cable appliances and lighting fixtures. Each switch features an integrated LED indicator to display its operational status. This 3-pack offers a practical solution for enhancing the functionality of table lamps, floor lamps, and other small electrical devices.



Image 1.1: Overview of the Greluma In-Line Switches.

Key Features:

- **High-Quality Material:** The external casing is constructed from phenolic plastic, offering heat resistance and durability. Internal components feature double-wire copper contacts for enhanced reliability and longevity.
- **Practical Use:** Designed for easy installation and convenient operation. The integrated LED indicator illuminates to show the switch's status.
- **Wide Application:** Suitable for various applications including table lamps, floor lamps, mirror lamps, wall lamps, small household appliances, and other lighting products.
- **Safety Design:** Rated Voltage: 250V; Rated Current: 10A. Features a bipolar connection (single-pole switch), lightweight construction, good insulation, convenient wiring, and a non-slip on/off button.

2. PACKAGE CONTENTS

Please verify that all items are present in the package:

- 3 x Greluma Black In-Line Rocker Switches

3. SAFETY INFORMATION

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

- **Electrical Safety:** Always disconnect power at the main circuit breaker or fuse box before performing any electrical work.
- **Rated Specifications:** Do not exceed the rated voltage of 250V or the rated current of 10A. Overloading the switch can cause overheating and fire hazards.
- **Cable Compatibility:** Only use cables with an outer diameter less than 6mm. Using larger cables may prevent proper closure of the switch housing or compromise insulation.
- **Professional Installation:** If you are unsure about electrical wiring, consult a qualified electrician.
- **Indoor Use Only:** This product is intended for indoor use in dry locations. Do not expose to moisture or extreme temperatures.
- **Inspection:** Regularly inspect the switch and connected cables for any signs of damage, wear, or loose connections. Replace immediately if damage is found.

4. SETUP AND INSTALLATION

Follow these steps to properly install the Greluma In-Line Switch:

1. **Disconnect Power:** Before starting, ensure the power supply to the appliance or lamp is completely disconnected at the main power source.
2. **Prepare the Cable:** Carefully cut the power cord at the desired location where the switch will be installed. Strip approximately 10-15mm of the outer insulation from both ends of the cut cable, then strip about 5-7mm from the inner live (L) and neutral (N) wires.
3. **Open the Switch:** Gently pry open the two halves of the in-line switch housing.
4. **Connect Wires:**
 - Identify the Live (L) and Neutral (N) terminals inside the switch.
 - Connect the Live wire (typically brown or red) from the power source side to one of the 'L' terminals.
 - Connect the Live wire from the appliance side to the other 'L' terminal.
 - Connect the Neutral wire (typically blue or black) from the power source side to one of the 'N' terminals.
 - Connect the Neutral wire from the appliance side to the other 'N' terminal.
 - Ensure all wire strands are securely fastened under the screw terminals.

L +: Live wire
N -: Neutral wire



Note:

**Only cables with a diameter
less than 6.5mm are allowed**

Image 4.1: Wiring diagram. L+: Live wire, N-: Neutral wire. Note: Only cables with a diameter less than 6.5mm are allowed.

5. **Secure the Wires:** Ensure no bare wires are exposed outside the terminals. Double-check that the cable diameter is less than 6mm to allow for proper closure.
6. **Close the Switch:** Carefully align and snap the two halves of the switch housing back together, ensuring the cable is properly seated in the grooves and no wires are pinched.
7. **Test:** Restore power and test the switch functionality.

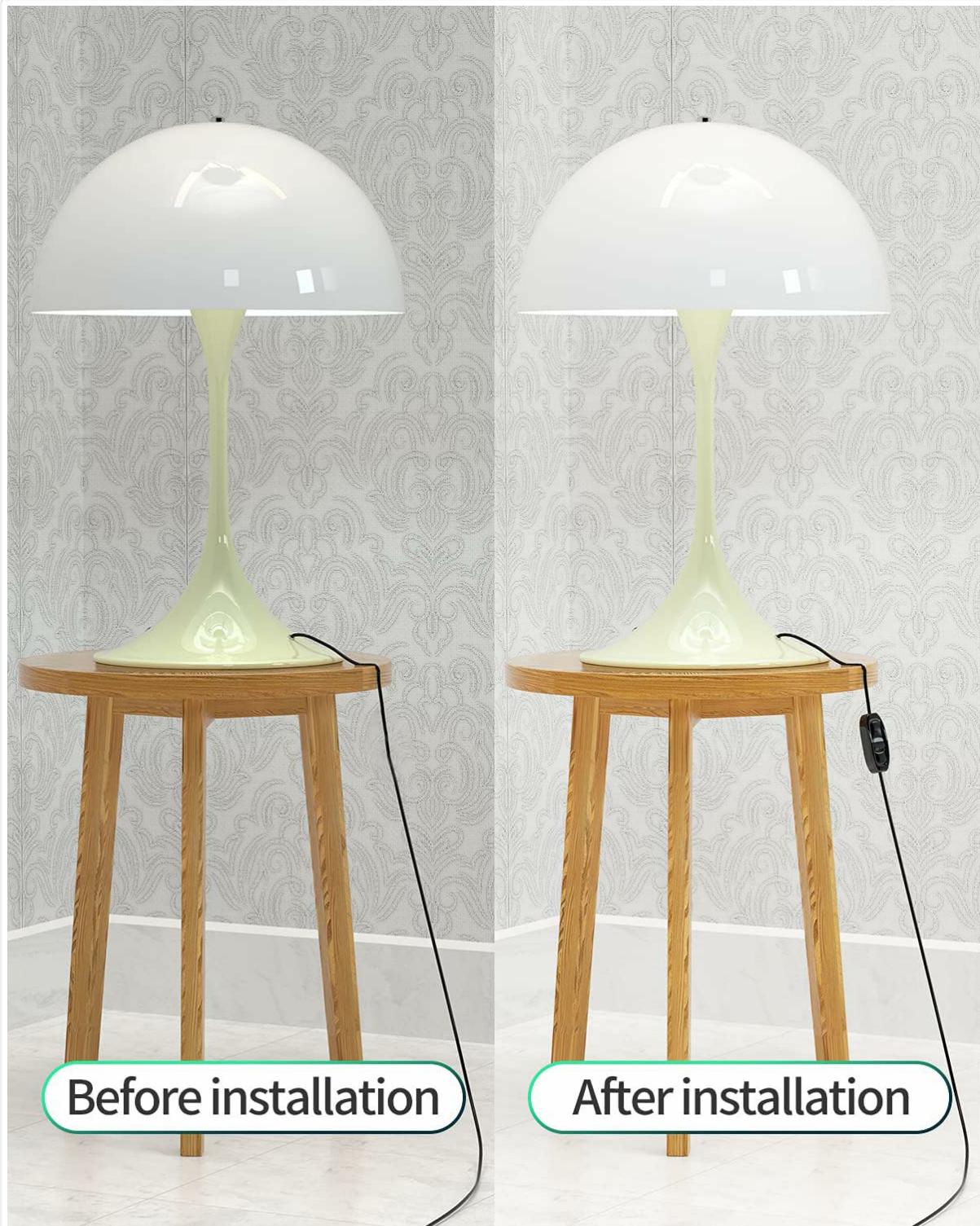


Image 4.2: Example of a lamp cord before and after in-line switch installation.

5. OPERATING INSTRUCTIONS

The Greluma In-Line Switch features a simple push-button mechanism and an LED indicator for ease of use.

- **On/Off Function:** Press the rocker button to toggle the connected appliance or light fixture between ON and OFF states.
- **LED Indicator:** The integrated LED light provides visual feedback on the switch's status.

LED Indicator Modes:

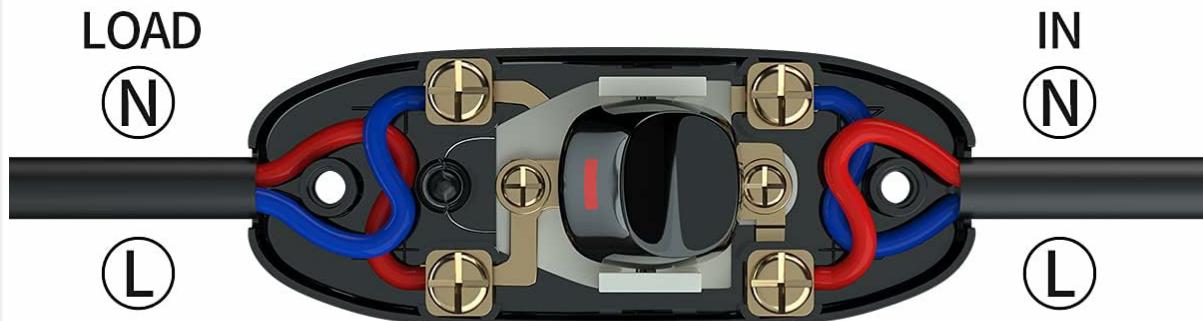
The LED indicator can be wired in different configurations depending on the desired behavior:

- **Mode 1: Switch Status Indicator:** The LED turns ON/OFF in sync with the switch, indicating whether the load is receiving power.
- **Mode 2: Switch Position Indicator (Always On):** The LED remains illuminated regardless of the switch position, serving as a constant locator light.
- **Mode 3: Switch Position Indicator (Opposite Load State):** The LED illuminates when the switch is in the OFF position (load is off), helping to locate the switch in darkness.

1. As switch status indicator light(turn on/off with the switch)



2. As switch position indicator light(long term, not controlled by switch)



3. As the switch indicator light(opposite to the load state, indicating the position of the switch in darkness)



Image 5.1: LED indicator wiring options for different operational modes.

6. MAINTENANCE

The Greluma In-Line Switch requires minimal maintenance to ensure long-term performance.

- **Cleaning:** Disconnect power before cleaning. Wipe the exterior with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the switch and its connected cable for any signs of physical damage, such as cracks in the housing, frayed wires, or loose connections.
- **Environmental Conditions:** Ensure the switch is not exposed to excessive moisture, dust, or extreme temperatures, which can affect its performance and lifespan.

7. TROUBLESHOOTING

If you encounter issues with your Greluma In-Line Switch, refer to the following common problems and solutions:

- **Switch Not Functioning:**
 - Ensure the main power supply to the appliance is active.
 - Verify that all wire connections inside the switch are secure and correctly wired (Live to Live, Neutral to Neutral).
 - Check the appliance or lamp itself to ensure it is working correctly.
 - Inspect the cable for any breaks or damage.
- **LED Indicator Not Lighting Up:**
 - Confirm that the switch is receiving power.
 - Check the wiring of the LED indicator according to the desired mode (refer to Section 5).
 - Ensure the LED itself is not damaged.
- **Switch Feels Loose or Damaged:**
 - Immediately disconnect power.
 - Do not attempt to repair a damaged switch. Replace it with a new one.

If the problem persists after following these steps, consult a qualified electrician.

8. SPECIFICATIONS

Specification	Detail
Brand	Greluma
Item Model Number	ZL748LUM
Product Dimensions	15 x 10.5 x 2.1 cm
Item Dimensions (LxWxH)	15 x 10.5 x 2.1 cm
Rated Current	10 Ampere
Operating Voltage	250 Volt
Operating Mode	On-off-on
Actuator Type	Push Button

Contact Type	Normally Open
Terminal Type	Screw
Circuit Type	1 Way
Contact Material	Copper
Country of Origin	China



Image 8.1: Product dimensions.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the retailer's return policy or contact Greluma customer service through the platform where the product was purchased.

Return Policy: The product is subject to a 14-day return policy for refund or replacement, as per standard terms.

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