



Liteline LC-CRTL-DIM-1 Wi-Fi Smart Control with Dimmer User Guide

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MODEL: LC-CRTL-DIM-1



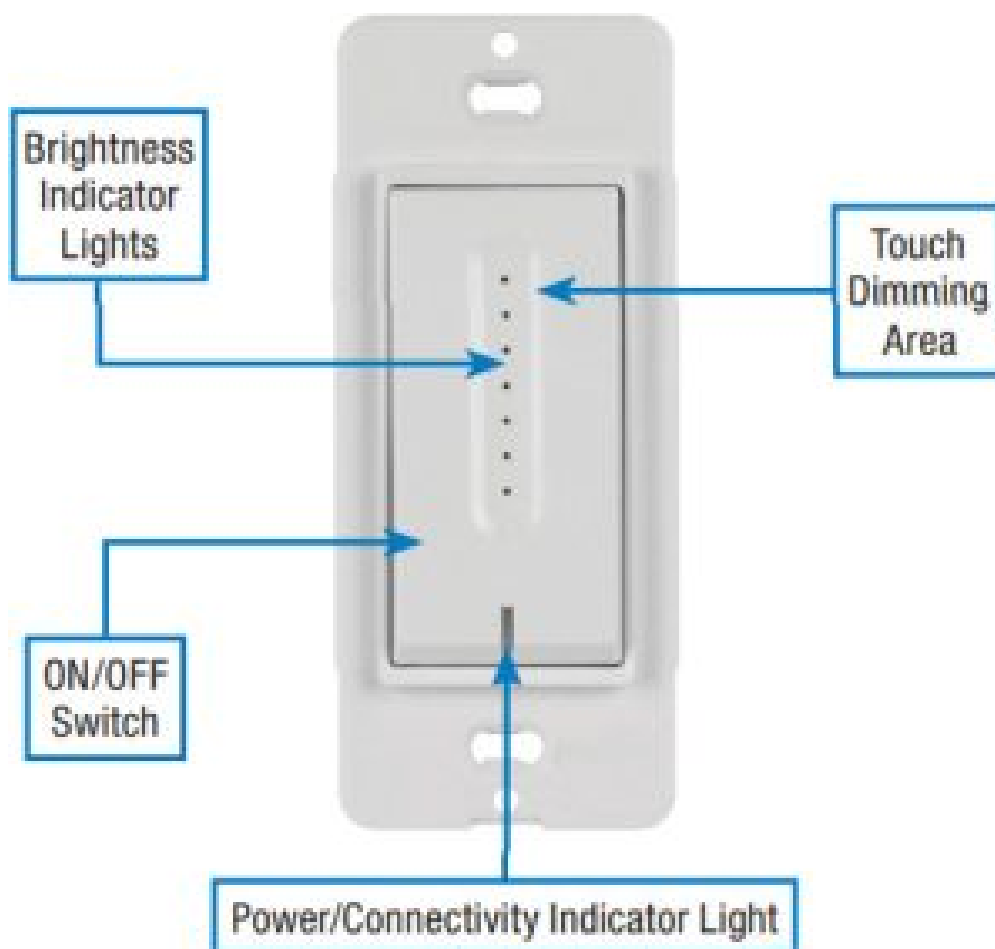
Wi-Fi Smart Control with Dimmer User Manual



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Product overview



Specifications

Wireless Frequency:	2.4GHz, 802.11b/g
Input:	120VAC, 60 Hz
Output Power (120VAC):	LED/Fluorescent: 150W Max Incandescent: 400W Max
Output Current:	3.3A
Standby Power:	0.5W
Enclosure Type:	Type 1 Enclosure (after installation)
Action type:	Type 1. Y action

Before you start

IMPORTANT: Review this installation guide in its entirety before starting the installation of your Smart Switch or removal of your old switches. Installation and maintenance involving electrical wiring must be done by a qualified person(s). Risk of Electric Shock:

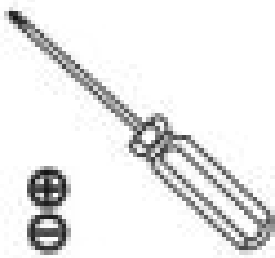
Electricity can cause personal injury and property damage if handled improperly. An external air gap switch shall be installed before the circuit connection to this device. The metal heatsink plate is not grounding, which might become live. Install with plastic Cover Plate only.

NOTE: INSTALLATION OF THIS SMART SWITCH REQUIRES A NEUTRAL WIRE. IF THE NEUTRAL WIRE IS NOT CONNECTED, THIS SWITCH WILL NOT WORK. CONSULT A QUALIFIED ELECTRICIAN.

Caution: To reduce the risk of injury and/or overheating and damage to other equipment:

- Make sure that the power at the circuit breaker is turned OFF before starting.
- A neutral (typically white) wire is required.
- The wire colors indicated in this manual are typically found and may differ in some constructions/regions.
- Ensure the wire conductors are securely fastened to each wire.
- It is recommended that a certified electrician completes all high voltage electrical installations.
- Must follow all building and electrical codes in the region when installing.
- Ensure the Wi-Fi router's signal is strong at the switch location.
- Do not install to control an appliance, motor, or receptacle.
- Recommended to be installed in a minimum 2.5" depth device box.
- The switch does not work with smart bulbs or fixtures.
- Intended for installation in an in-wall electrical box.

What you need



Screwdrivers



Pliers



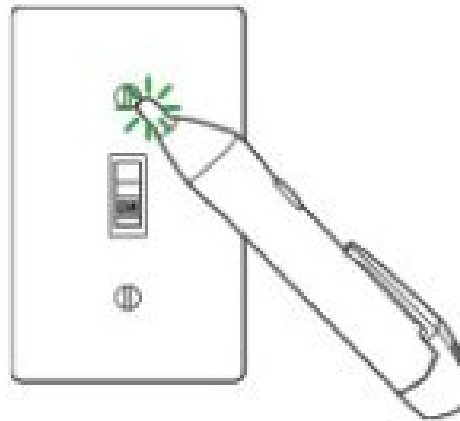
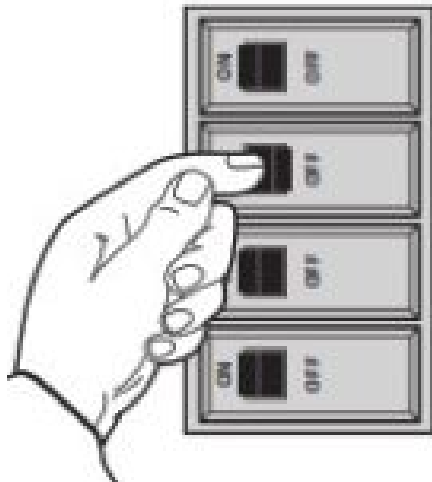
Wire Stripper



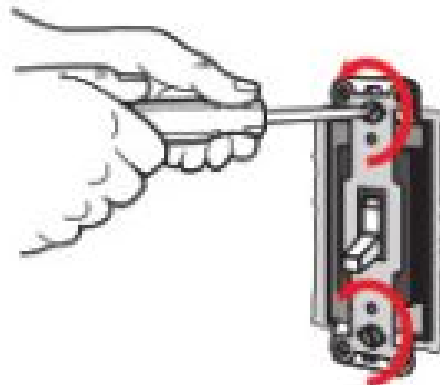
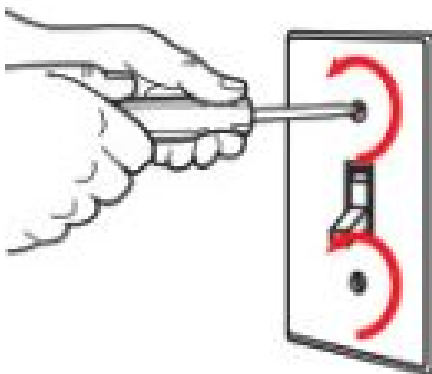
Voltage Tester

Installation

1. Turn OFF the power at the circuit breaker and confirm with the voltage tester at the switch before proceeding. Place voltage tester against the existing switch checking the wall plate, screws, and switch at various points to determine that there is no power present.



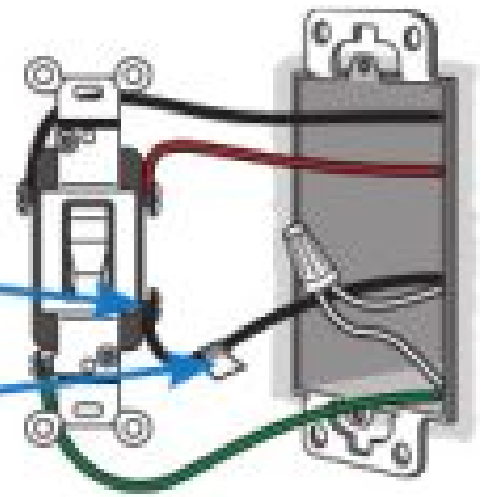
2. Remove the wall plate and pull out the existing light switch so that all wires are exposed outside of the electrical box (do not disconnect wires).



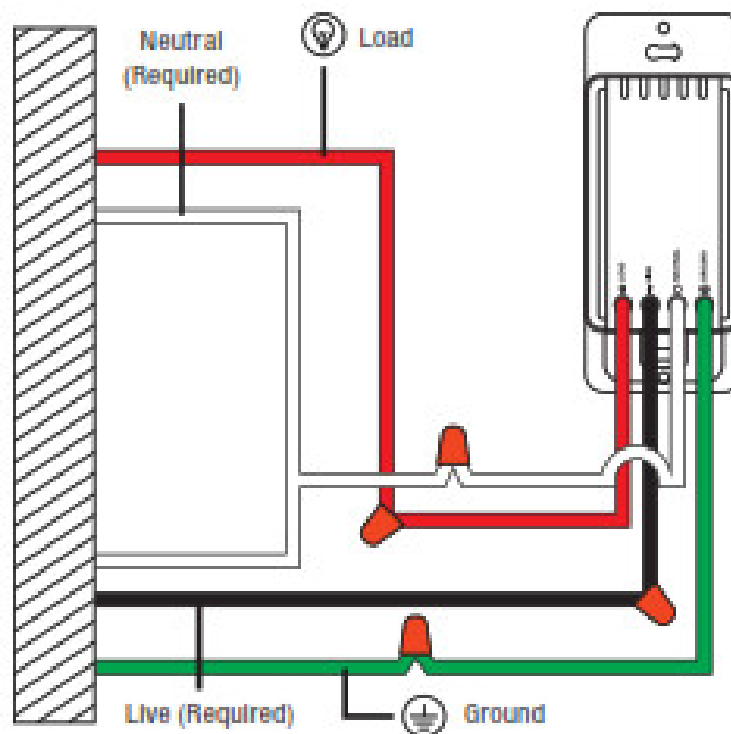
3. Label the live wire with a piece of electrical tape.

Different color screw
(Black or Copper)

Piece of
electrical tape



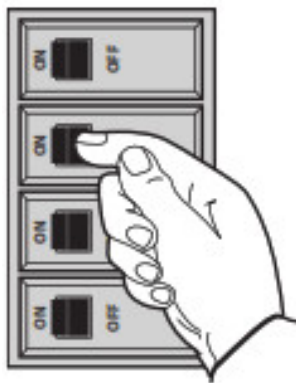
4. Disconnect and remove the existing switch.
5. Connect the Smart Dimmer as per the below wiring diagram. The ground wires must be connected to the electrical box.



6. Mount the Smart Dimmer in the existing gang box with the provided screws and attach the wall plate (press fit).



7. Turn on the power at the circuit breaker.
8. Test to see that the Smart Dimmer is functioning by pressing the ON/OFF switch. Your load (lights) should turn ON/OFF respectively.



Note: If your lights do not turn on, your live and load wires might be incorrectly connected. Turn off power at the circuit breaker and try swapping them.

9. WiZ app setup Refer to “WiZ Quick Setup Guide”

Note: If your lights do not turn on, check that the live/load and traveler wires are all connected according to the old switch.

Turn off the power at the circuit breaker and check the wiring.

Dimmer functions

INDICATOR LIGHTS STATUS

LIGHTS	INDICATOR LIGHT STATUS	COLOR	STATUS
Power / Connectivity Indicator Light	ON	WHITE	Powered OFF
	OFF		Powered ON
	Single Blink		Ready for Smart Pairing mode
	Double Blink		Ready for Manual Pairing mode
	Flashing Quickly	RED	Pairing failed
Brightness Indicator Lights	7 LEDs Flashing, Power/Wi-Fi Indicator Light is OFF	WHITE	The operating temperature is too high; the switch has been turned off
	●○○○○○○		0%~14% Brightness Level
	●●○○○○○		14%~28% Brightness Level
	●●●○○○○		28%~42% Brightness Level
	●●●●○○○		42%~56% Brightness Level
	●●●●●○○		56%~70% Brightness Level
	●●●●●●○		70%~84% Brightness Level
	●●●●●●●		84%~100% Brightness Level

ON/OFF SWITCH FUNCTION

ACTION	COLOR	STATUS
Short Press	OFF	Dimmer is ON
Short Press	White	Dimmer is OFF
Long Press (5 seconds)	White LED Double Blink	Connectivity Mode: Wi-Fi network is acquired

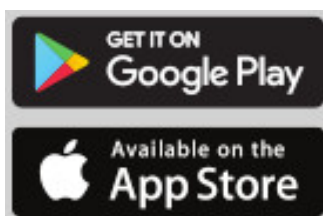
Troubleshooting

PROBLEM	CAUSE	SOLUTION
Unable to find the Smart Dimmer on the network	Smart Dimmer may not be in Connectivity Mode	Long press the ON/OFF switch (5 seconds) to enter into Connectivity Mode: Searching for Wi-Fi Network.
Unable to operate the load (light) with the ON/OFF switch	Wiring issue	Review and confirm the INSTALLATION section in this manual.
	No electricity	Check that the power is ON at the circuit breaker.
	Load does not function or is incompatible	<ul style="list-style-type: none"> • Replace the load. • Check the SPECIFICATION section for compatible loads and limitations.
Smart Dimmer not responding to WiZ APP control	The network is not connected	Check wireless network connectivity.
	Permissions are not granted on a mobile device	Check to see that permissions are granted for the WiZ APP.
	Smart Dimmer is not functioning correctly	Manually press the ON/OFF switch to see electrical functionality is working.
Load (light) not functioning properly	Load (light) may not be compatible or exceed limits	<ul style="list-style-type: none"> • Check the SPECIFICATION section to ensure load (light) is within limits. • Replace the load (light).
Smart Dimmer not connecting to the WiZ APP	Wi-Fi password is incorrect	Re-enter Wi-Fi password.
	Weak/low Wi-Fi signal	Check Wi-Fi signal to ensure within range of the router.
	Wi-Fi not connected	Confirm Wi-Fi router is broadcasting a 2.4GHz signal. Re-connect.

WiZ Quick Setup Guide

Downloading the WiZ App

Before you start, make sure you install the WiZ App from either Google Play or the Apple App Store (both offer the same set of features). The app can also scale to fit tablets as needed.



QR CODE

Direct to
Apple app store / Google play store

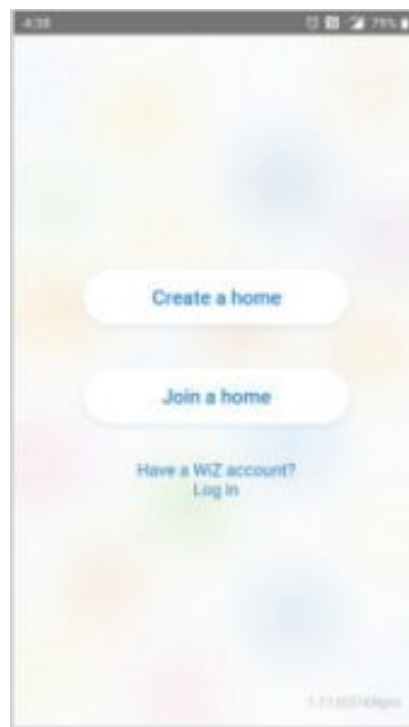


<https://app.wizconnected.com>

Installing and pairing smart switch

The smart switch is connected through the app and will only operate on your home's 2.4GHz Wi-Fi network. Most new routers are dual-bandwidth (both 2.4GHz and 5GHz), ensure you select the 2.4GHz network which covers a wider range than the 5GHz. To make sure your phone is on the 2.4GHz network, either select it in the list of available networks on your phone or go into the router settings and temporarily de-activate the 5GHz network (you can activate it again after pairing is done).

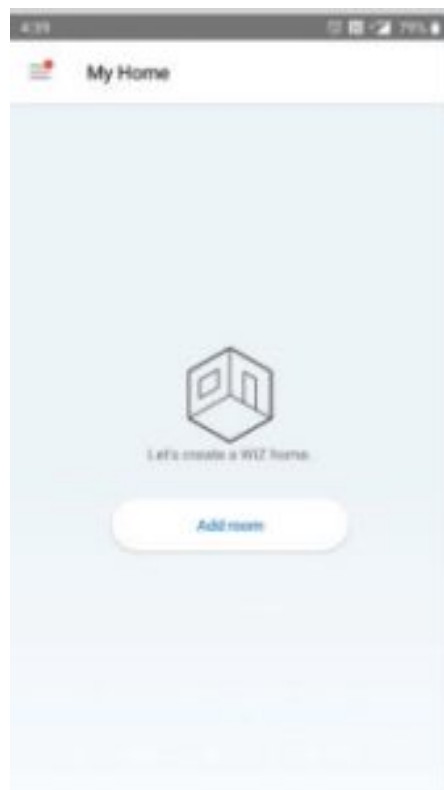
If this is not possible and the smart switch is not found, try putting the smart switch in pairing mode by holding the ON/OFF button for 5 seconds (or until the indicator lights flash red), then walking a short distance away from the router. Due to the short range of 5GHz networks, your phone should auto-connect to the 2.4GHz at this point. Once connected, you can start pairing in the app. You can pair as many devices as you want at the same time.



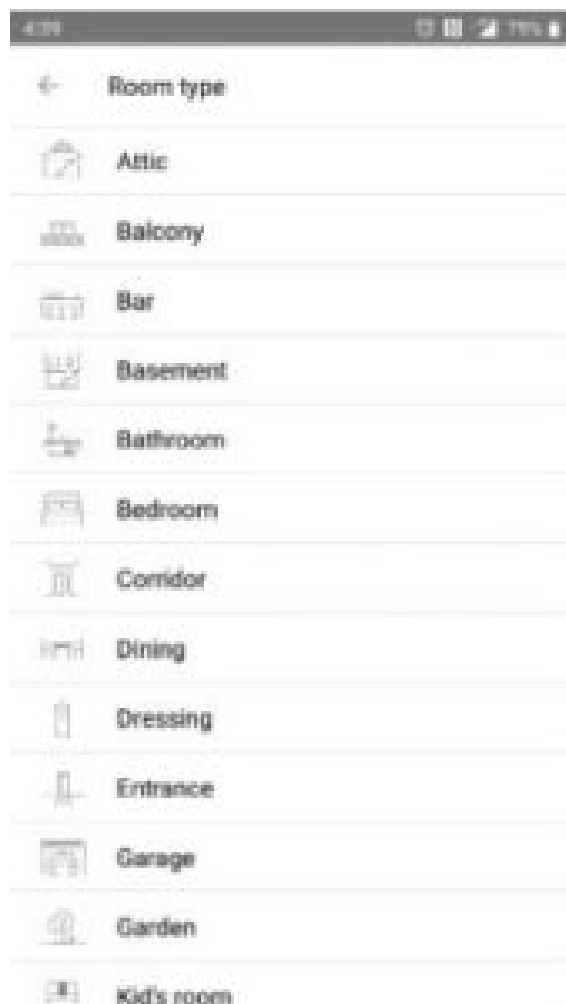
Create a home or join an existing one



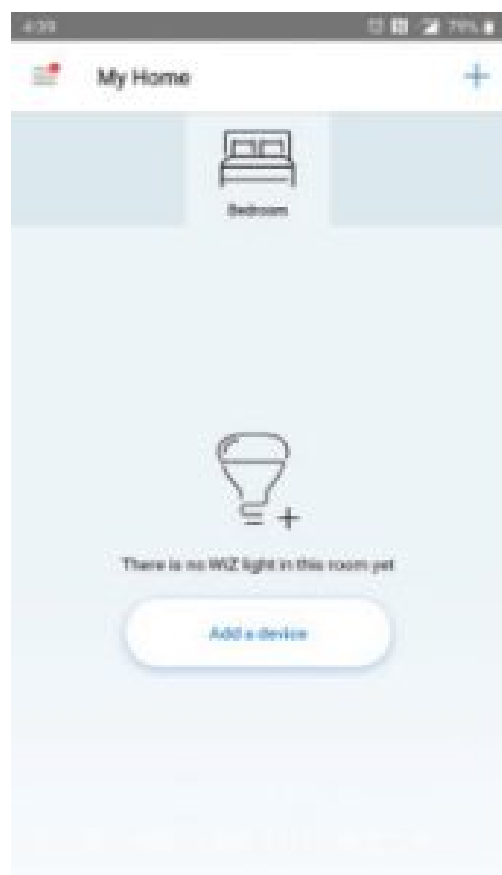
Name your home



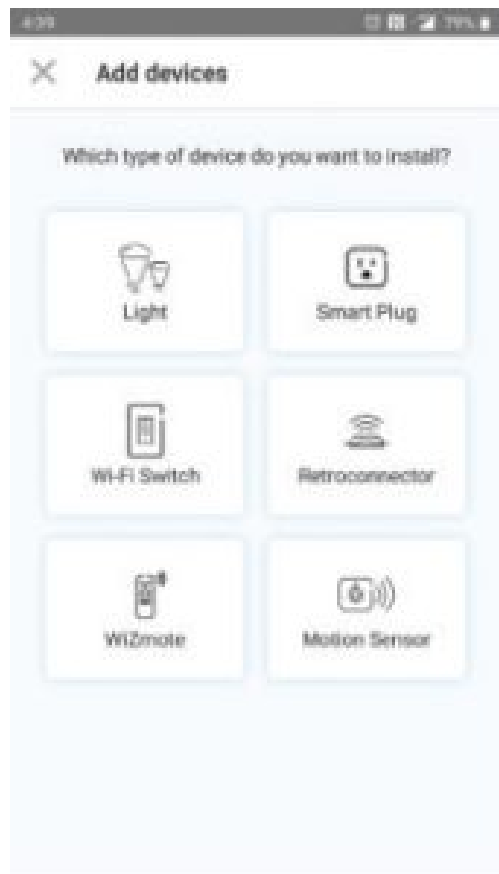
Tap the 'Add room' button to add a room



Name your own or select from the list of standard rooms



Press the 'Add a device' button and enter your Wi-Fi password



Select the 'Wi-Fi Switch' and continue with prompts to connect your device

Note: Upon first boot-up, the firmware may need to be updated. Please allow up to 1 minute for the Smart Dimmer to update after completing the WiZ app setup.

For additional support, visit www.liteline.com/WiZsupport



The following importer is the responsible party:

LLC Sales, Inc. DBA Liteline USA

1209 Orange Street, Wilmington, DE, 19801

liteline.com/page/contact-us

Changes or modifications not expressly approved by the responsible party could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: (1) reorient or relocate the receiving antenna; (2) increase the separation between the equipment and receiver; (3) connect the equipment into an outlet on a circuit different from that to which the receiver is connected; (4) consult

the dealer or an experienced radio/TV technician for help.

RF Exposure Requirements:

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter and must be installed to provide a separation distance of at least 20cm from all persons.

ISED Canada Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science, and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions: (1) this device may not cause interference; and (2) this device must accept any interference, including interference that may cause undesired operation of the device.


Limited 1-Year Warranty

For complete warranty information, including details on consumer legal rights as well as warranty exclusions, visit www.liteline.com/warranty.



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Documents / Resources

	Liteline LC-CRTL-DIM-1 Wi-Fi Smart Control with Dimmer [pdf] User Guide LC-CRTL-DIM-1, Wi-Fi Smart Control with Dimmer
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