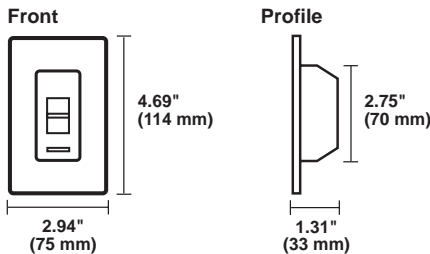
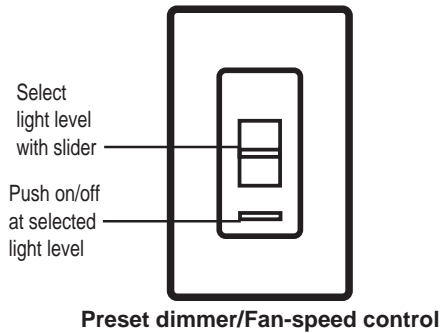


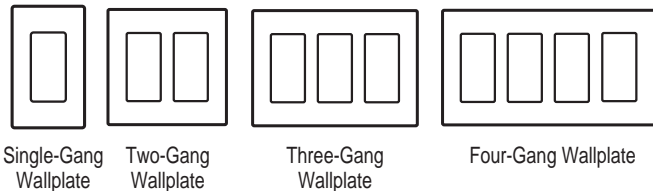
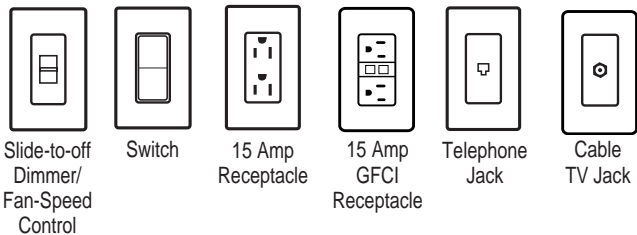
SPECIFICATION SUBMITTAL

Luméa 2™

Your choice of 8 designer colors.



- **Features:**
 - 8 new designer colors
 - Wallplate hides uneven/oversized drywall openings for a clean installation
 - Wallplate designed for automatic multigang alignment
 - Preassembled design: no separate parts for easier installation
- Elegant matte finish
- Heavy-duty components for long product life
- Also works with LuMaster™ Central Home Lighting Control System (see *Luton Wallbox Lighting Control Catalog P/N 360-178*)



JOB NAME	AREA CONTROLLED
LOCATION	JOB NUMBER
TITLE	PAGE NO.

DIMMERS

Product	Description	Maximum Capacity ¹	Model #	
	Incandescent			
		Preset single-pole/3-way	600W	LT-603PH- <input type="checkbox"/>
		single-pole/3-way	1000W	LT-103PH- <input type="checkbox"/>
	Slide-to-off single-pole	600W	LT-600H- <input type="checkbox"/>	
	Electronic Low-Voltage			
		Preset single-pole/3-way	300W	LTELV-303PH- <input type="checkbox"/>
	Magnetic Low-Voltage			
		Preset single-pole/3-way	600VA (450W)	LTLV-603PH- <input type="checkbox"/>

Fluorescent
 For control of fluorescent loads, use Lutron® Hi-lume® FDB or Eco-10™ electronic dimming ballasts with LT-603PH- and Hi-Power 2•4•6 dimming module (see *Luton Wallbox Lighting Control Catalog (P/N 360-178)* for lamp types and ballast model numbers and see brochure (P/N 360-346) for Hi-Power 2•4•6.)

Hi-POWER 2•4•6 WALLBOX DIMMING SYSTEMS

For control of loads greater than 1000 W/VA, see brochure (P/N 360-346).

SWITCHES

Product	Description	Maximum Capacity ¹	Model #
	Switch single-pole	15A, 120/277 V	LT-1PSH- <input type="checkbox"/>
	3-way	15A, 120/277 V	LT-3PSH- <input type="checkbox"/>
	4-way	15A, 120/277 V	LT-4PSH- <input type="checkbox"/>

FAN-SPEED CONTROLS

Product	Description	Maximum Capacity ¹	Model #
	Quiet Controls (For use with one ceiling paddle fan.)		
		Preset ² single-pole, 4-speed	1.5A Fan
	Slide-to-off single-pole, 3-speed	1.5A Fan	LTFsq-FH- <input type="checkbox"/>

¹For capacities in multi-gang installations see derating next page.

²This product will be discontinued in 4th Quarter 1996. Contact factory for availability.

Luméa 2™





Luméa 2™ Dimmers and Fan-Speed Controls— Standard Features

- Power failure memory
- RFI suppression





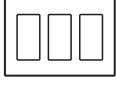

Lutron controls are rated at 120VAC, 60 Hz unless otherwise noted.

ACCESSORIES

Product	Maximum Capacity ¹	Model #	
 Receptacles	15A /125V	LTR-15H-	<input type="checkbox"/>
 GFCI Receptacles	15A/125V	LTR-15-GFCIH-	<input type="checkbox"/>
 Telephone Jack	6 conductor	LT-PJH-	<input type="checkbox"/>
 Cable TV Jack	75 Ohm, coaxial cable	LT-CJH-	<input type="checkbox"/>

WALLPLATES

Lutron exclusive Luméa 2™ wallplate purchased separately.

Product	Maximum Capacity	Model #	
 single-gang wallplate	for one Luméa 2 device	LT-1H-	<input type="checkbox"/>
 two-gang wallplate	for two Luméa 2 devices	LT-2H-	<input type="checkbox"/>
 three-gang wallplate	for three Luméa 2 devices	LT-3H-	<input type="checkbox"/>
 four-gang wallplate	for four Luméa 2 devices	LT-4H-	<input type="checkbox"/>

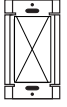
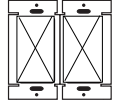
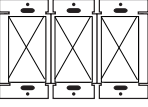
COLORS

To order, add appropriate suffix to each model number.
Example: LT-603PH-**WH**

White (WH)	Hunter Green (HG)
Eggshell (ES)	Burgundy (BU)
Sandstone (SS)	Black (BL)
Dusk Blue (DB)	Taupe (TP)

DERATING

Maximum capacity

			
Control type	No side sections removed (full capacity)	One side section removed	Two side sections removed (middle unit)

Dimmers

Incandescent	600W	500W	400W	<input type="checkbox"/>
	1000W	800W	650W	
Magnetic Low-Voltage	600VA (450W)	500VA (375W)	400VA (300W)	<input type="checkbox"/>
Electronic Low-Voltage	300W	250W	200W	<input type="checkbox"/>

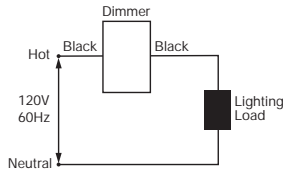
Fan-Speed Controls

Quiet Controls	1.5A	1.5A	1.5A	<input type="checkbox"/>
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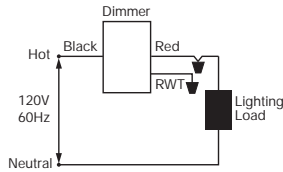
¹No derating required if ganged

WIRING DIAGRAMS

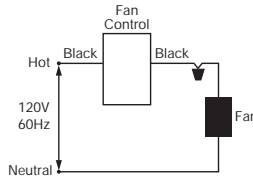
Wiring Diagram #1 LT-600H-



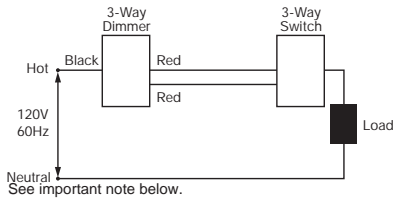
Wiring Diagram #2 LT-603PH-, LT-103PH-, LTLV-603PH-



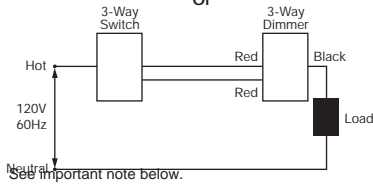
Wiring Diagram #3 LTFSQ-2H-, LTFSQ-FH-



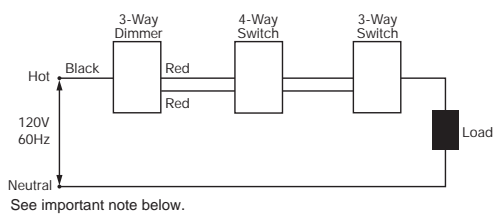
Wiring Diagram #4a LT-3PSH-, LT-103PH-, LT-603PH-, LTLV-603PH-



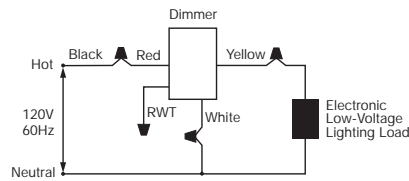
Wiring Diagram #4b LT-3PSH-, LT-103PH-, LT-603PH-, LTLV-603PH-
Or



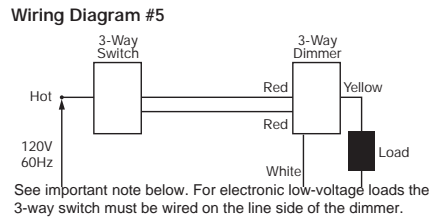
Wiring Diagram #5 LT-603PH-, LT-103PH-, LTLV-603PH-, LT-3PSH-, LT-4PSH-



Wiring Diagram #6a LTELV-303PH-

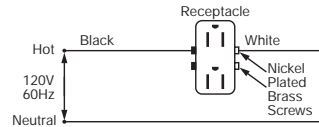


Wiring Diagram #6b LTELV-303PH-

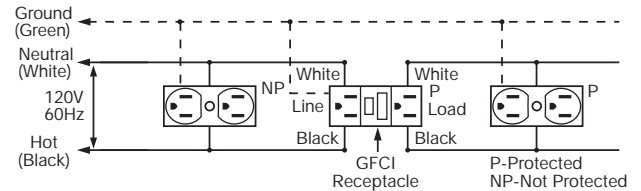


See important note below. For electronic low-voltage loads the 3-way switch must be wired on the line side of the dimmer.

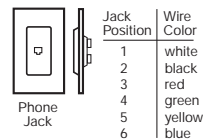
Wiring Diagram #7 LTR-15H-



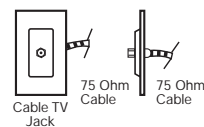
Wiring Diagram #8 LTR-15-GFCIH-



Wiring Diagram #9 LT-PJH-



Wiring Diagram #10 LT-CJH-



IMPORTANT NOTE: Only one dimmer can be used per 3-way circuit. Follow this diagram when incorporating a 3-way on/off switch with the dimmer.

High Quality Lighting Control Installations

PART 1 - GENERAL

1.01 Work Included

- A. Contractor shall furnish all basic components, wallplate kits, labor, and other services necessary for the proper installation of the devices as indicated on the drawings and specified herein.
- B. Contractor shall be responsible for derating dimmer capacity if side sections are removed. Contractor shall run separate neutral wires in 120/208VAC installations to prevent dimmer interaction.
- C. Unless noted otherwise, all basic components (dimmer, fan-speed control, switch, receptacle, telephone jack, and cable TV jack) and wallplate kits shall be provided by one manufacturer.

1.02 Submittals

- A. Submit manufacturer's standard catalog data giving all application, wiring, and installation information on basic components and wallplate kits. Provide test data and/or samples as required to demonstrate conformance with PART 2 of this specification.

1.03 Quality Assurance

- A. Manufacturer shall have a minimum of 10 years continuous experience in manufacturing architectural wallbox dimming products.
- B. All dimmers shall be UL Listed and CSA approved specifically for the required loads (i.e., incandescent, electronic low-voltage transformer, magnetic low-voltage transformer). Manufacturer shall provide file card upon request. Universal-type dimmers shall not be acceptable.

PART 2 - PRODUCTS

2.01 Acceptable Manufacturers

- A. Lutron Electronics Co., Inc.
 - 1. The listing of a manufacturer as "acceptable" does not imply automatic approval. It is the sole responsibility of the electrical contractor to ensure that any price quotations received and submittals made are for devices that meet or exceed the specifications included herein.

2.02 Performance

- A. Devices shall be capable of operating at rated capacity without adversely affecting design lifetime.
- B. Devices shall mount individually in a single-gang U. S. switchbox.
- C. Devices shall operate in an ambient temperature range of 0°C (32°F) to 40°C (104°F).
- D. Dimmers shall incorporate an air-gap switch. All dimmers shall be UL Listed and CSA approved for the type of load controlled, and shall be listed under the UL Standard most stringent for that particular type of load.
- E. Dimmers and switches shall meet the UL Standard 20 limited short circuit test requirement for snap switches.
- F. Dimmers and switches shall incorporate power-failure memory. Should power be interrupted and subsequently returned, the lights will come back on to the same levels set prior to the power interruption. Restoration to some other default level is not acceptable.
- G. Dimmers and switches shall not be susceptible to damage or loss of memory due to static discharge.
- H. Dimmers shall meet ANSI/IEEE Std. C62.41-1980, tested to withstand voltage surges of up to 6000V and current surges of up to 200A without damage.

2.03 Basic Dimmer Components

- A. Dimmers shall provide full-range, continuously variable control of light intensity. On preset dimmers, a separate push button shall act as a preset, turning the dimmer on to the level set by the slider or off. The push button shall activate a mechanical air-gap switch to totally disconnect power from the load during "off" condition, preventing any leakage current from being present at the fixture(s).
- B. All dimmers shall be voltage compensated to minimize effects of changing line voltage, and shall incorporate a RFI filter to minimize interference with electrical equipment.

2.04 Basic Quiet Fan-Speed Control Components

- A. Fan-speed controls shall be solid-state, UL Listed and CSA approved.
 - 1. Fan-only model shall provide three or four speed settings and single-pole control of one paddle fan (1.5A max.).

2.05 Basic Switch Components

- A. Switches shall provide on/off control of any 120/277VAC load up to 15A. Switches shall be UL Listed as general-use AC switches.

2.06 Accessories

- A. Basic Receptacle Components
 - 1. Receptacles shall be 2-pole, 3-wire ground and rated for 15A at 125 VAC. All receptacles shall be NEMA configuration type 5-15R, UL Listed and CSA approved.
- B. Basic Telephone Jack and Basic Cable TV Jack Components
 - 1. Contractor shall provide an appropriate barrier (partition) to isolate jack from high-voltage wiring when ganged with a dimmer, fan-speed control, switch, or receptacle. This complies with NEC Articles 800-3 and 820-13.
 - a. Telephone jacks shall be designed to mate with standard 6-conductor modular line, and be compatible with 2- and 4-conductor lines. Telephone jacks shall meet FCC Part 68, paragraph F standards to ensure compatibility with U.S. telephone systems.
 - b. Cable TV jacks shall be the coaxial type, designed for use with standard 75 Ohm cables.

2.07 Wallplates

- A. Wallplates shall be manufactured from durable ABS plastic with matte finish, and shall attach to the basic components without using exposed hardware or screws.
- B. Wallplates shall be available in 8 standard colors.
- C. Multigang wallplates shall provide a continuous, seamless cover for up to four ganged dimmer, switch, fan-speed control and/or receptacle combinations with no exposed hardware or screws.

PART 3 - EXECUTION

3.01 Installation

- A. Devices shall be installed utilizing manufacturer's recommended application, wiring, and installation instructions.

3.02 Warranty

- A. All devices shall be covered by a minimum one-year warranty from time of purchase.