

# Volume 1: Basic devices and single-space systems

Specification guide to wallbox dimmers, switches, sensors, and accessories for commercial and residential applications



## **Volume 1** (367-1746)

### **Basic devices and single-space systems**

- Perfect for retrofit, renovation, or new construction
- Tie multiple dimmers and switches together with wireless sensors and remote controls

## **Commercial**



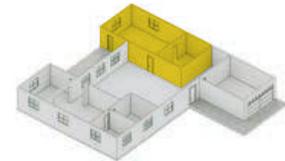
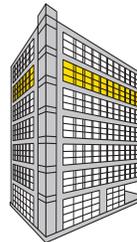
## **Residential**



## **Volume 2** (online at [lutron.com/specguides](http://lutron.com/specguides))

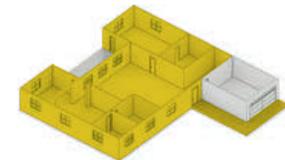
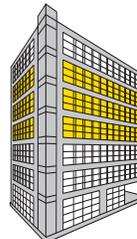
### **Solutions for small/medium rooms**

- Add integrated control of window shades and tie in with AV or other building systems
- Wired or wireless communication for retrofit, renovation, or new construction



### **Solutions for large/multiple rooms**

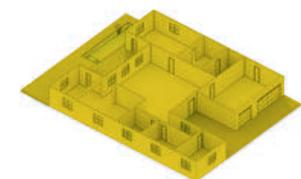
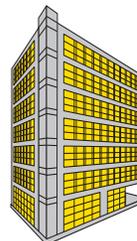
- Expand control to larger spaces and across multiple rooms—even an entire floor
- Wireless components and digital devices provide for easy reconfiguration without re-wiring



## **Volume 3** (online at [lutron.com/specguides](http://lutron.com/specguides))

### **Solutions for an entire home, building, or campus**

- Manage control of daylight and electric light on any scale
- Homeowners and facility managers can maximize energy efficiency, comfort, convenience, and productivity
- Display and optimize light and energy use across the entire system



## Introduction

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## Connected Home—Caséta Wireless

Caséta Wireless smart lighting control lets users control and monitor lights no matter where they are. This system is made up of in-wall and plug-in lamp dimmers, switches, Pico wireless remotes, a Smart Bridge, and the Lutron App. (PRO models, sold only through Lutron dealers and distributors, are also available.)

System installation and setup is easy; download the Lutron App for control from mobile devices and wearables.



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## Commercial Wireless—Vive

Vive wireless lighting control provides a simple, scalable solution for commercial buildings. Vive is easy to design and install, and is extremely flexible, easily adapting to the changing needs of a building over time. The Vive wireless hub provides centralized functionality including timeclock scheduling, demand response, and energy reporting. In addition, it allows facility managers and building owners to monitor, adjust, and manage their system from any smart device.



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## GRAFIK T

This family of modern, sleek dimmers and switches sets a new standard for lighting control—no knobs, sliders, or buttons, just touch. Phase selectable and C•L technology provide superior performance and flexibility for today's LED light sources. Available as non-RF and RF dimmer models. RF models can be paired with wireless sensors and remotes for convenience and code compliance.



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## Occupancy/vacancy sensors

Our full line of Maestro in-wall occupancy/vacancy sensors offers six models, including a 0–10V dimmer sensor, a dual-circuit sensor switch, and a dual-technology, dual-circuit sensor switch. Both Maestro and Radio Powr Savr sensors use Lutron's XCT technology, to reliably detect fine motion. Radio Powr Savr wireless sensors work with Lutron wireless load devices using Clear Connect RF technology.



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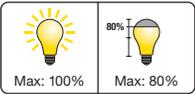
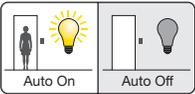
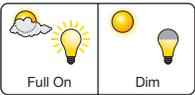
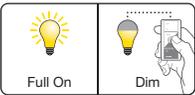
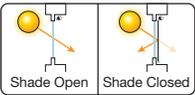
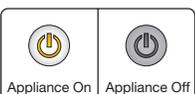
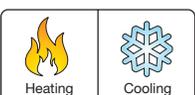
## Battery-operated shades

Serena battery-operated, remote controlled shades can be controlled from anywhere in a space using an RF remote or Pico wireless remote. These affordable shades don't require any wiring, so they're easy to install. Available in insulating honeycomb and roller styles.



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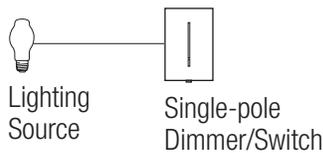
## Energy-saving lighting control strategies

Strategy	Potential savings	
	<p><b>High-end trim/tuning</b> sets the maximum light level based on customer requirements in each space.*</p>	10–30% Lighting
	<p><b>Occupancy/vacancy sensing</b> turns lights on when occupants are in a space and off when they vacate the space.*</p>	20–60% Lighting
	<p><b>Daylight harvesting</b> dims electric lights when daylight is available to light the space.*</p>	25–60% Lighting
	<p><b>Personal dimming control</b> gives occupants the ability to set the light level.*</p>	10–20% Lighting
	<p><b>Controllable window shading</b> moves shades to reduce glare and solar heat gain.*</p>	10–20% Cooling
	<p><b>Scheduling</b> provides scheduled changes in light levels based on the time of day.*</p>	10–20% Lighting
	<p><b>Plug load control</b> automatically turns off loads after occupants leave a space.*</p>	15–50% of Controlled loads
	<p><b>HVAC integration</b> controls heating, ventilation, and air conditioning systems through a contact closure.*</p>	5–15% HVAC

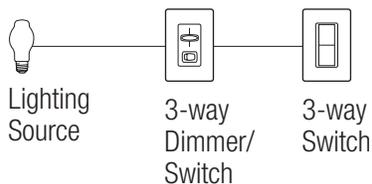
\* Go to [lutron.com/references](http://lutron.com/references) for more information

The number of desired dimming and switching control locations determines the control types and quantities required.

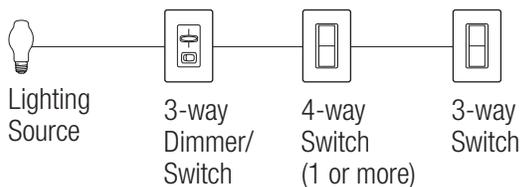
- a. Control lights from one location only**  
Single-pole dimmer (switch) required (3-way and multi-location controls may also be used).



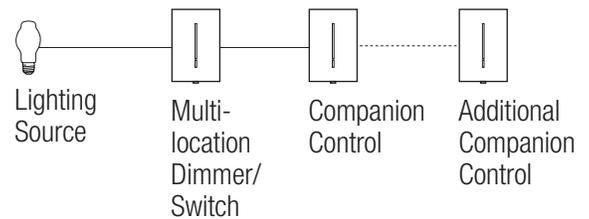
- b. Control lights from two locations**  
Dimming (switching) from one location, switching from second location. 3-way control required.



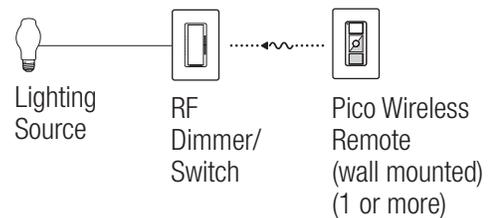
- c. Control lights from three or more locations**  
Dimming (switching) from one location, switching from other locations. 3-way control required.



- d. Multi-location dimming/switching**  
True dimming from all locations. Multi-location digital dimmer/switch and companion control(s) required. Indicated by **M** in selection tables, pp. 8–13.



- e. Wireless multi-location dimming/switching**  
True dimming from all locations. RF dimmer (switch) and Pico wireless remote(s) required.



**Lutron dimmers are designed, tested, and UL Listed for specific load types up to a maximum wattage capacity. To select a specific dimmer by load type, see pp.8–13.**

## **Screw-base LED lighting**

- Energy efficient (Energy Star listed)
- If you want to dim screw-in LEDs, make sure lamps are labeled “dimmable” — and then pair them with a compatible dimmer
- Screw-in LEDs that are rated for dimming will typically only dim down to about 5% to 15% of the lamp’s light output
- For more information on dimming these bulbs please visit [lutron.com/dimcflled](http://lutron.com/dimcflled)

## **Incandescent/halogen lighting (INC)**

- Excellent color rendering
- Can dim to off
- Total load in watts (W) determines dimmer choice
- Use incandescent/halogen dimmers; you can also use C•L, ELV, or MLV dimmers

## **Screw-base compact fluorescent lighting (CFL)**

- Energy efficient (Energy Star listed)
- If you want to dim screw-in CFLs, make sure lamps are labeled “dimmable” — and then pair them with a compatible dimmer
- Screw-in CFLs that are rated for dimming will typically only dim down to about 10% to 30% of the lamp’s light output
- For more information on dimming these lamps please visit [lutron.com/dimcflled](http://lutron.com/dimcflled)

## **Magnetic low-voltage lighting (MLV)**

- Excellent color rendering
- Track and recessed lights may use magnetic transformers and halogen low-voltage lamps
- Loads quantified in volt-ampere (VA), combining total lamp wattage with 20% additional load due to heat losses in the magnetic transformer
- MLV dimmers required

## **Electronic low-voltage lighting (ELV)**

- Excellent color rendering
- Track and recessed lights typically use electronic transformers and halogen low-voltage lamps
- Total load in watts (W) determines dimmer choice
- ELV dimmers required

## **Light emitting diode lighting (LED)**

- LED light sources are composed of the LED array (lamp module) and a driver which powers the array
- Lutron recommends the use of a Lutron Hi-lume 1% LED driver and a 3-wire or 250W C•L dimmer for smooth dimming from 100%-1% light output; use a Lutron Hi-lume Premier 0.1% LED driver and a 3-wire dimmer for smooth dimming from 100%–0.1% light output
- Other lamp module/driver combinations can be dimmed with specific, approved Lutron controls
- See [lutron.com/LED](http://lutron.com/LED) for a list of approved fixtures with Lutron drivers and other approved fixture/control combinations

## **Fluorescent lighting (FL)**

- Linear, U-bent, twin-tube and 4-pin compact fluorescent lamps are dimmable when paired with the appropriate fluorescent dimming ballast
- Fluorescent lamp and ballast loads are quantified in amps (A) and are determined by the specific type and number of ballasts being used
- Dimmers must also match the control signal required by the ballast (i.e., 3-wire, 2-wire, 0–10V, or low voltage)
- For information on Lutron dimming ballasts, see [lutron.com/ballasts](http://lutron.com/ballasts)

For further information on selecting the right lamp type, go to [lutron.com/bulb](http://lutron.com/bulb).

## Neon-cold cathode lighting (NCC)

- Dimming requires a dimmable electronic or magnetic step-up transformer and a matching dimmer
- Loads quantified in watts (W) or volt-ampere (VA)
- Typically dimmable using a Lutron 3-wire dimmer with a power interface; see pp. 259–263 for more information

## Fan

- Mechanical, electrically-powered ceiling fan
- No integral lighting
- Control options include quiet 3-speed and fully variable

## Fan/light

- Mechanical, electrically-powered ceiling fan with integrated lighting
- Fan and light may be wired to a single switch or two independent switches
- Control options include quiet 3-speed and fully variable

## General purpose switch

- Includes non-dim lighting as well as non-lighting loads, such as exhaust fans or motor loads

### **Ganging**

Ganging is the mounting of two or more dimmers or accessory devices side-by-side under a multi-gang wallplate.

### **Derating**

When you gang two or more dimmers, you need to derate the wattage capacity (power rating) and remove the side fins of the dimmer beneath the wallplate. **See pp. 250–258 for details.**

### **Lighting load interfaces**

To dim larger wattage loads on a single dimmer, you can use a power interface. Interfaces require 3-wire dimmers and may require additional power feeds from distribution panels.

**See pp. 259–263 for details.**

## Dimmer capabilities and interface requirements

- Compatible dimmer (no interface required)
- M** Multi-location—true dimming from each location
- I** Lighting load interface solutions available for additional load types; see pp. 259–263 for more details

## Designer style

		
Maestro p. 16 <b>M</b>	Maestro Wireless p. 32 <b>M</b>	Diva p. 44

Dimmers		Voltage			
 <span style="color: #4F81BD;">Dimmable LED/CFL (screw-base)</span>		120V			
 Incandescent/halogen		120V			
<span style="color: #4F81BD;">eco-dim incandescent/halogen</span>		120V			
 Magnetic low-voltage		120V			
		277V	<b>I</b>	<b>I</b>	<b>I</b>
 Electronic low-voltage		120V			
		277V	<b>I</b>	<b>I</b>	<b>I</b>
 Neon/code cathode		120V	<b>I</b>	<b>I</b>	<b>I</b>
Dimmers for LED drivers/fluorescent ballasts					
 3-wire: Drivers - Hi-lume Premier 0.1%, Hi-lume 1% Ballasts - Hi-lume 3D, EcoSystem		120/277V			
 2-wire: Drivers - Hi-lume 1%		120V			
 EcoSystem: Drivers - Hi-lume Premier 0.1%, Hi-lume 1% with SOFTB, Hi-lume 1%, 5-Series Ballasts - EcoSystem H-Series, Hi-lume 3D, EcoSystem		120/277V			
 2-wire Ballasts: Tu-Wire		120V	<b>I</b>		
 0–10V DC (fixtures by others)		120/277V	<b>I</b>	<b>I</b>	
Fan controls					
 Quiet		120V			
 Fully variable		120V			
 Fan/light		120V			
Switches/timers					
Electronic switch		120V			
		277V			
Mechanical switch		120V			
		277V			
Countdown timer switch		120V			
<span style="color: #4F81BD;">Countdown eco-timer switch</span>		120V			



## Dimmer capabilities and interface requirements

- Compatible dimmer (no interface required)
- Ⓜ Multi-location — true dimming from each location
- ⓘ Lighting load interface solutions available for additional load types; see pp. 259–263 for more details

## Architectural style



Vareo  
p. 104

Nova T☆  
p. 110

Nova  
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Dimmers		Voltage			
Dimmable LED/CFL (screw-base)		120V			ⓘ
Incandescent/halogen		120V			
<span style="color: #4F81BD;">eco-dim incandescent/halogen</span>		120V			
Magnetic low-voltage		120V			
		277V			ⓘ
Electronic low-voltage		120V			ⓘ
		277V		ⓘ	ⓘ
Neon/code cathode		120V		ⓘ	
Dimmers for LED drivers/fluorescent ballasts					
3-wire: Drivers - Hi-lume Premier 0.1%, Hi-lume 1% Ballasts - Hi-lume 3D, EcoSystem		120/277 V			
2-wire: Drivers - Hi-lume 1%		120V			
EcoSystem: Drivers - Hi-lume Premier 0.1%, Hi-lume 1% with SOFTB, Hi-lume 1%, 5-Series Ballasts - EcoSystem H-Series, Hi-lume 3D, EcoSystem		120/277 V			
2-wire Ballasts: Tu-Wire		120V			
0–10V DC (fixtures by others)		120/277 V			
Fan controls					
Quiet		120V			
Fully variable		120V			
Fan/light		120V			
Switches/timers					
Electronic switch		120V			
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## Dimmer capabilities and interface requirements

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- I** Lighting load interface solutions available for additional load types; see pp. 259–263 for more details

## Commercial Wireless

		
Vive Maestro Wireless p. 164 <b>M</b>	Vive PowPak remote-mount p. 174	Vive PowPak fixture control p. 178

Dimmers	Voltage			
 Dimmable LED/CFL (screw-base)	120V	<span style="background-color: #4F81BD; color: white;">■</span>		
 Incandescent/halogen	120V	<span style="background-color: #4F81BD; color: white;">■</span>		
<span style="color: #4F81BD;">eco-dim incandescent/halogen</span>	120V			
 Magnetic low-voltage	120V	<span style="background-color: #4F81BD; color: white;">■</span>		
	277V	<b>I</b>		
 Electronic low-voltage	120V	<span style="background-color: #4F81BD; color: white;">■</span>		
	277V	<b>I</b>		
 Neon/code cathode	120V	<b>I</b>		
Dimmers for LED drivers/fluorescent ballasts				
 3-wire: Drivers - Hi-lume Premier 0.1%, Hi-lume 1% Ballasts - Hi-lume 3D, EcoSystem	120/277V	<b>I</b>		
 2-wire: Drivers - Hi-lume 1%	120V	<span style="background-color: #4F81BD; color: white;">■</span>		
 EcoSystem: Drivers - Hi-lume Premier 0.1%, Hi-lume 1% with SOFTB, Hi-lume 1%, 5-Series Ballasts - EcoSystem H-Series, Hi-lume 3D, EcoSystem	120/277V			<span style="background-color: #4F81BD; color: white;">■</span>
 2-wire Ballasts: Tu-Wire	120V	<span style="background-color: #4F81BD; color: white;">■</span>		
 0–10V DC (fixtures by others)	120/277V	<b>I</b>	<span style="background-color: #4F81BD; color: white;">■</span>	<span style="background-color: #4F81BD; color: white;">■</span>
Fan controls				
 Quiet	120V			
 Fully variable	120V			
 Fan/light	120V			
Switches/timers				
Electronic switch	120V	<span style="background-color: #4F81BD; color: white;">■</span>	<span style="background-color: #4F81BD; color: white;">■</span>	
	277V	<span style="background-color: #4F81BD; color: white;">■</span>	<span style="background-color: #4F81BD; color: white;">■</span>	
Mechanical switch	120V			
	277V			
Countdown timer switch	120V			
<span style="color: #4F81BD;">Countdown eco-timer switch</span>	120V			

Sensors

	
Vive wireless receptacles p. 180	Maestro p. 194 <b>M</b>
	<span style="font-size: 24px;">!</span>

Dimmer families are organized by wallplate opening style.

Within each family section are:

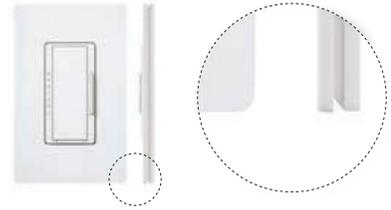
- Lighting load type compatibility
- Color options
- Specification features
- Model numbers
- Coordinating accessories

Customize solutions that are right for you.

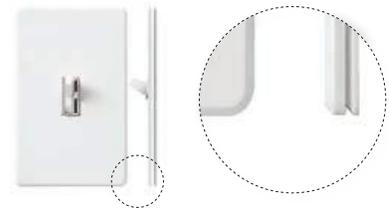
Dedicated sections follow for non-wallbox controls that also offer single-space solutions, including:

- Plug-in controls
- Connected home
- Commercial Wireless
- Sensors
- Wireless remote controls
- Battery-powered window shades
- Fixtures

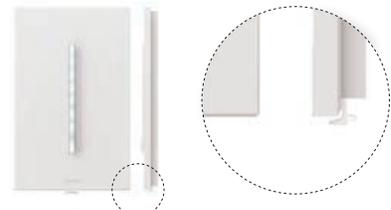
## Designer wallplate opening



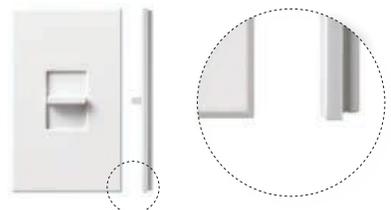
## Traditional wallplate opening



## New Architectural wallplate opening



## Architectural wallplate opening



## Designer product families

p. 16

- Designer style opening with rounded edges
- Claro/Satin Colors wallplates and accessories
- Controls fit standard Designer opening wallplates
- Wallplates available separately

## Traditional product families

p. 80

- Traditional style opening with rounded edges
- Fassade style wallplates and Claro/Satin Colors accessories
- Wallplates available separately

## New Architectural product families

p. 94

- Exclusive New Architectural style opening with squared edges
- New Architectural wallplates and accessories
- Single-gang White wallplate included with control; wallplates in additional colors and finishes are available separately

## Architectural product families

p. 104

- Architectural style opening with squared edges
- Architectural wallplates and Architectural accessories
- Single-gang wallplate included with control



Shown actual size: Maestro dimmer and 1-gang Claro wallplate in White (WH).

### Product family features

- True multi-location dimming from every location
- Tap on to preset level; tap off; tap twice for full on; touch rocker to adjust light level
- LEDs indicate light level and glow softly in the dark
- Delayed off provides light as you exit the room
- Line frequency compensation maintains stable light levels despite power line frequency and voltage variations
- Programming allows customized functions
- **C•L, eco-dim, and eco-timer models available**
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates; see p. 223

### Direct load type compatibility

-  Dimmable LED/CFL lighting (screw-base)
-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Electronic low-voltage lighting
-  LED lighting
-  Fluorescent lighting
-  Switched lighting/motor

### Load type requiring load interface

-  Neon/cold cathode lighting

Lighting load interfaces may be required for some load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

### Control types

-  Single-pole (one location)
-  3-way (2 locations)
-  Multi-location (up to 10 locations)

**Available finishes**

Use **BOLD** color code in model number (Example: MA-600-**BR**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Satin Colors\*



**SW**  
Snow



**LS**  
Limestone



**BI**  
Biscuit



**ES**  
Eggshell



**PD**  
Palladium



**TP**  
Taupe



**ST**  
Stone



**BG**  
Bluestone



**PL**  
Plum



**TQ**  
Turquoise



**GS**  
Goldstone



**DS**  
Desert Stone



**GB**  
Greenbriar



**MS**  
Mocha Stone

Metal wallplate\*\*



**TC**  
Terracotta



**SI**  
Sienna



**HT**  
Hot



**MR**  
Merlot



**MN**  
Midnight



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls. For wallplate information, see pp. 222–223.

## Digital fade dimmers



- Provides true dimming from each location (with companion dimmers)
- C•L dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

##### Digital fade C•L dimmer\*

Multi-location/3-way†/ single-pole 120V 150W (LED/CFL), 600W (Inc)	MACL-153M- <b>XX</b> <sup>1</sup>
--------------------------------------------------------------------------	-----------------------------------

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED lamps. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

##### Digital fade C•L dimmer\* with companion dimmer and two wallplates

Multi-location/3-way†/ single-pole 120V 150W (LED/CFL), 600W (Inc)	MACL-153M-RHW- <b>XX</b> <sup>2</sup>
--------------------------------------------------------------------------	---------------------------------------

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED lamps. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17  
**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), Light Almond (LA), and Black (BL)

**XX**<sup>3</sup>: Gloss color codes, see p. 17

**XX**<sup>4</sup>: Satin Colors codes, see p. 17

**XX**<sup>5</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)

Wallplates not included. Order separately, see pp. 222–223

### Incandescent/halogen dimmers

#### Digital fade dimmers\*

Multi-location/single-pole 120V 600W	MA-600- <b>XX</b> <sup>3</sup> MSC-600M- <b>XX</b> <sup>4</sup>
Multi-location/single-pole 120V 1000W	MA-1000- <b>XX</b> <sup>3</sup> MSC-1000M- <b>XX</b> <sup>4</sup>

#### Digital fade dimmer\* with wallplate

Multi-location/single-pole 120V 600W	MA-600HW-BLSS
-----------------------------------------	---------------

Package includes dimmer in Gloss Black finish and Stainless Steel wallplate.

#### Digital fade dimmer\* with companion dimmer and two wallplates

Multi-location/single-pole 120V 600W	MAW-603-RH-WH
-----------------------------------------	---------------

#### eco-dim digital fade dimmer\*<sup>\*,\*\*</sup>

Multi-location/single-pole 120V 600W	MA-600G- <b>XX</b> <sup>5</sup>
-----------------------------------------	---------------------------------

### Magnetic low-voltage dimmers

#### Digital fade dimmers\*

Multi-location/single-pole 120V 600VA (450W)	MALV-600- <b>XX</b> <sup>1</sup> MSCLV-600M- <b>XX</b> <sup>2</sup>
Multi-location/single-pole 120V 1000VA (800W)	MALV-1000- <b>XX</b> <sup>1</sup> MSCLV-1000M- <b>XX</b> <sup>2</sup>

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Maximum light output of 85% guarantees 15% energy savings over standard switches

† Works with a standard mechanical 3-way switch

 **Electronic low-voltage dimmers**

**Digital fade dimmers<sup>\*,\*\*</sup>**

Multi-location/single-pole 120V 600W	MAELV-600- <b>XX</b> <sup>1</sup> MSCELV-600M- <b>XX</b> <sup>2</sup>
-----------------------------------------	--------------------------------------------------------------------------

 **3-wire LED driver/fluorescent ballast dimmers**

**Digital fade dimmers<sup>\*\*</sup>**

Multi-location/single-pole 120V 6A	MAF-6AM- <b>XX</b> <sup>1</sup> MSCF-6AM- <b>XX</b> <sup>2</sup>
Multi-location/single-pole 277V 6A	MAF-6AM-277- <b>XX</b> <sup>1</sup> MSCF-6AM-277- <b>XX</b> <sup>2</sup>

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and Hi-lume 3D and EcoSystem ballasts.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

No derating required if ganged.

Adjustable low-end trim.

**Electronic switches**



- For multi-location switching, use one Maestro multi-location switch with Maestro companion switches
- Tap switch on/off

 **Switches**

**Electronic switches<sup>\*\*</sup>**

Multi-location/single-pole 120V 8A light, 3A fan	MA-S8AM- <b>XX</b> <sup>1</sup> MSC-S8AM- <b>XX</b> <sup>2</sup>
Multi-location/single-pole 277V 6A light	MAF-S6AM-277- <b>XX</b> <sup>1</sup> MSCF-S6AM-277- <b>XX</b> <sup>2</sup>

8A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, fluorescents, CFLs, and general purpose fans.

6A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, fluorescents, and CFLs.

**XX**<sup>1</sup>: Gloss colors codes, see p. 17  
**XX**<sup>2</sup>: Satin Colors codes, see p. 17  
Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

## Countdown timer control switches



- Use with exhaust fans to reduce moisture, mold, and mildew in bathrooms
- Use with lighting
- Tap on to start timer (5-60 minutes); tap off; tap twice for full on with no timer action
- Touch rocker to adjust countdown time
- One minute warning before lights/fan go off
- **eco-timer** model timer ranges from 1-30 minutes and always turns off; no full on option
- Timer advanced programming features available

### Countdown timer control switch (5–60 minutes/full on)\* with wallplate

Single-pole	MA-T51HW-WH
120V 5A light, 3A fan	
Rated for: incandescent/halogen, magnetic low-voltage, and general purpose fans.	

### Countdown eco-timer control switch (1–30 minutes)\*

Single-pole	MA-T530G- <b>XX</b> <sup>2</sup>
120V 5A light, 3A fan	
Rated for: incandescent/halogen, magnetic low-voltage, and general purpose fans.	

### Countdown eco-timer control switch (1–30 minutes)\* with wallplate

Single-pole	MA-T530GHW-WH
120V 5A light, 3A fan	
Rated for: incandescent/halogen, magnetic low-voltage, and general purpose fans.	

## Timers

### Countdown timer control switches (5–60 minutes/full on)\*

Single-pole	MA-T51- <b>XX</b> <sup>1</sup>
120V 5A light, 3A fan	
Multi-location/single-pole**	MA-T51MN- <b>XX</b> <sup>1</sup>
120V 5A light, 3A fan	

Single-pole rated for: incandescent/halogen, magnetic low-voltage, and general purpose fans.  
Multi-location rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, fluorescents, CFLs, and general purpose fans.

For multi-location switching use a companion switch (MA-AS- or MSC-AS-).

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17  
**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)  
Wallplates not included. Order separately, see pp. 222–223

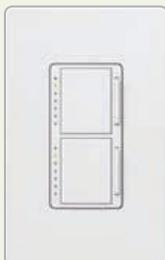
All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

### Dual digital-fade dimmer

(two loads)



#### Dimmers (top/bottom)

- Replacement for stacked switches
- Tap on to preset light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level
- Single location only
- Dimmer advanced programming features available

### Dual digital-fade dimmer/ electronic switch

(two loads)



#### Dimmer (top)

- Replacement for stacked switches
- Tap on to preset light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level
- Dimmer advanced programming features available

#### Switch (bottom)

- Tap switch on/off
- Single location only

### Incandescent/halogen dimmer and incandescent/halogen dimmer

#### Dual digital fade dimmer (two loads)\*

Single-pole	MA-L3L3- <b>XX</b> <sup>1</sup>
120V 300W dimmer (top)	
Incandescent/halogen	
120V 300W dimmer (bottom)	
Incandescent/halogen	

#### Dual digital fade dimmer (two loads)\* and wallplate

Single-pole	MA-L3L3HW-WH
120V 300W dimmer (top)	
Incandescent/halogen	
120V 300W dimmer (bottom)	
Incandescent/halogen	

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17  
Wallplates not included. Order separately,  
see pp. 222–223

All models must be derated if ganged unless  
otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for  
more information

### Incandescent/halogen dimmer and switch

#### Dual digital fade dimmer/electronic switch (two loads)\*

Single-pole	MA-L3S25- <b>XX</b> <sup>1</sup>
120V 300W dimmer (top)	
Incandescent/halogen	
2.5A light/fan switch (bottom)	

Switch rated for: incandescent/halogen, magnetic  
low-voltage, electronic low-voltage, CFLs,  
fluorescents, and general purpose fans.

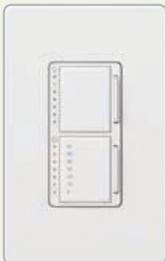
#### Dual digital fade dimmer/electronic switch (two loads)\* with wallplate

Single-pole	MA-L3S25HW-WH
120V 300W dimmer (top)	
Incandescent/halogen	
2.5A light/fan switch (bottom)	

Switch rated for: incandescent/halogen, magnetic  
low-voltage, electronic low-voltage, CFLs,  
fluorescents, and general purpose fans.

## Dual digital fade dimmer/countdown timer control switch

(two loads)



### Dimmer (top)

- Tap on to preset light level; tap off; tap twice for full on
- Touch rocker to adjust light level
- Dimmer advanced programming features available

### Timer switch (bottom)

- Tap on to start timer; tap off; tap twice for untimed on
- Touch rocker to adjust countdown time from 5–60 minutes
- One minute warning before lights go off
- Top LED is full on with no timer action
- Single location only
- Timer advanced programming features available

## Incandescent/halogen dimmer and timer

Dual digital fade dimmer/countdown timer  
control switch (two loads)\*

---

Single-pole	MA-L3T251- <b>XX</b> <sup>1</sup>
120V 300W dimmer (top)	
Incandescent/halogen	
2.5 A light/fan timer switch (bottom)	

---

Timer rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, CFLs, fluorescents, and general purpose fans.

Dual digital fade dimmer/countdown timer  
control switch (two loads)\* with wallplate

---

Single-pole	MA-L3T251HW-WH
120V 300W dimmer (top)	
Incandescent/halogen	
2.5 A light/fan timer switch (bottom)	

---

Timer rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, CFLs, fluorescents, and general purpose fans.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17

Wallplates not included. Order separately,  
see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

### Companion dimmers



- For true multi-location dimming from every location; use up to nine companion dimmers with only one Maestro multi-location dimmer
- Use standard 3-way wiring

### Companion switches



- For use with multi-location switches; use up to nine companion switches with only one Maestro multi-location switch
- Can be used with multi-location countdown timer switch
- Use standard 3-way wiring

#### Companion controls

##### Companion dimmers

Companion dimmer	MA-R- <b>XX</b> <sup>1</sup>
120V	MSC-AD- <b>XX</b> <sup>2</sup>
Companion dimmer	MA-R-277- <b>XX</b> <sup>1</sup>
277V	MSC-AD-277- <b>XX</b> <sup>2</sup>

#### Companion controls

##### Companion switches

Companion switch	MA-AS- <b>XX</b> <sup>1</sup>
120V	MSC-AS- <b>XX</b> <sup>2</sup>
Companion switch	MA-AS-277- <b>XX</b> <sup>1</sup>
277V	MSC-AS-277- <b>XX</b> <sup>2</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 17

**XX**<sup>2</sup>: Satin Colors codes, see p. 17

Wallplates not included. Order separately, see pp. 222–223

## Dimmer sensors



- Passive infrared (PIR) sensor with Lutron exclusive XCT technology
- C•L dimmer sensor provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- 0–10V dimmer sensor provides reliable dimming of 0–10V fluorescent and LED fixtures
- Adjustable timeout—1, 3, 5, 15, or 30 minutes
- Occupancy/vacancy version can be easily programmed to work as vacancy (manual-on) sensor
- Optional off warning dims the lights by 50%, 30 seconds before the lights turn off
- High- and low-end trim features
- High-low sensitivity adjustment
- Standard Maestro dimmer features: locked preset, fade-to-on and fade-to-off
- Multi-location models work with up to nine companion dimmers; see p. 23

### Dimmable LED/CFL (screw-base) dimmers

#### Incandescent/halogen dimmers

##### Digital fade C•L dimmer occupancy/vacancy sensor\*

Multi-location/3-way\*\*/ MSCL-OP153M-**XX**<sup>1</sup>  
single-pole  
120V 150W (LED/CFL), 600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED lamps. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

##### Digital fade C•L dimmer vacancy sensor\*

Multi-location/3-way\*\*/ MSCL-VP153M-**XX**<sup>1</sup>  
single-pole  
120V 150W (LED/CFL), 600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED lamps. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17

Wallplates not included. Order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors).

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Works with standard mechanical 3-way switch

 **0–10V LED/fluorescent fixture dimmers**  
(current sink control)

**Digital fade 0–10V dimmer occupancy/  
vacancy sensor**

3-way\*/ single-pole MS-Z101-**XX**<sup>1</sup>  
120–277V 8A  
50mA max. control current

No power pack required.

Dimmer has a maximum capacity of 8A load or 50mA 0–10V sink limited by whichever rating is achieved first.

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

No derating required if ganged.

**Digital fade 0-10 V dimmer vacancy sensor**

3-way\*/ single-pole MS-Z101-V-**XX**<sup>1</sup>  
120–277V 8A  
50mA max. control current

No power pack required.

Dimmer has a maximum capacity of 8A load or 50mA 0–10V sink limited by whichever rating is achieved first.

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

No derating required if ganged.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17

Wallplates not included, order separately,  
see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors).

\* Works with standard mechanical 3-way switch

## Single-circuit sensor switches



- Available with passive infrared (PIR) or dual-technology sensor
- All models feature Lutron exclusive XCT technology
- Adjustable timeout—1, 5, 15, or 30 minutes
- Occupancy/vacancy version can be easily programmed to work as vacancy (manual-on) sensor
- High-low sensitivity adjustment
- Multi-location models work with up to nine companion switches; see p.23



## Switches

### Single-circuit PIR occupancy/vacancy sensor switches

Single-pole* 120V 2A lighting	MS-OPS2- <b>XX</b> <sup>1</sup>
Multi-location/3-way**/ single-pole* 120V 5A lighting, 3A fan (1/10HP)	MS-OPS5M- <b>XX</b> <sup>1</sup>
Multi-location/3-way**/ single-pole* 120–277V 6A lighting, 3A fan (1/10HP) @120V only	MS-OPS6M2-DV- <b>XX</b> <sup>1</sup>
Multi-location/3-way**/ single-pole† 120–277V 6A lighting, 3A fan (1/10 HP) @120V only	MS-OPS6M2N-DV- <b>XX</b> <sup>1</sup>
Multi-location/3-way**/ single-pole†† 120–277V 6A lighting, 3A fan (1/10HP) @120V only	MS-OPS6M2U-DV- <b>XX</b> <sup>1</sup>

2A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, and fluorescents.

5A and 6A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17

Wallplates not included, order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors).

\* Ground wire required for functionality

\*\* Works with standard mechanical 3-way switch

† **Requires neutral wire connection**

†† **Neutral wire and ground connection available, one required**

**Single-circuit PIR vacancy sensor switches**

Single-pole*	MS-VPS2- <b>XX</b> <sup>1</sup>
120V 2A lighting	
Multi-location/3-way**/ single-pole*	MS-VPS5M- <b>XX</b> <sup>1</sup>
120V 5A lighting, 3A fan (1/10HP)	
Multi-location/3-way**/ single-pole*	MS-VPS6M2-DV- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 3A fan (1/10HP) @120V only	
Multi-location/3-way**/ single-pole†	MS-VPS6M2N-DV- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 3 fan (1/10 HP) @120V only	
Multi-location/3-way**/ single-pole††	MS-VPS6M2U-DV- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 3A fan (1/10HP) @120V only	

2A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, and fluorescents.

5A and 6A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**Single-circuit dual-technology occupancy/  
vacancy sensor switches**

Single-pole	MS-A102- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 4.4 A fan (1/6HP) @ 120V only	
Multi-location/ 3-way**/ single-pole†	MS-B102- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 4.4 A fan (1/6HP) @ 120V only	

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**Single-circuit dual-technology vacancy  
sensor switches**

Single-pole	MS-A102-V- <b>XX</b> <sup>1</sup>
120 – 277V 6A lighting, 4.4 A fan (1/6 HP) @ 120 V only	
Multi-location/ 3-way**/ single-pole†	MS-B102-V- <b>XX</b> <sup>1</sup>
120 – 277V 6A lighting, 4.4 A fan (1/6 HP) @ 120 V only	

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17

Wallplates not included, order separately,  
see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors).

- \* Ground wire required for functionality
- \*\* Works with standard mechanical 3-way switch
- † **Requires neutral wire connection**
- †† **Neutral wire and ground connection available, one required**

## Dual-circuit sensor switches

(two loads)



- Available with passive infrared (PIR) or dual-technology sensor
- All models feature Lutron exclusive XCT technology
- Allows the control of two circuits from one sensor switch



- Ideal for bi-level switching in commercial buildings/ helps meet codes such as ASHRAE 90.1 2010
- High-low sensitivity adjustment

## Switches

### Dual-circuit PIR occupancy sensor switch

Single-pole MS-OPS6-DDV-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) @ 120V only per circuit

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

### Dual-circuit PIR partial-on sensor switch

Single-pole MS-PPS6-DDV-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) @ 120V only per circuit

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

### Dual-circuit dual-technology occupancy sensor switches

Single-pole MS-A202-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) @ 120V only per circuit

3-way<sup>†</sup>/single-pole\* MS-B202-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) @ 120V only per circuit

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 17

Wallplates not included, order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors).

\* **Requires neutral wire connection**

† Works with standard mechanical 3-way switch

### Maestro advanced programming features

#### Dimmer

- Adjusting fade on/ fade off time
- Locked preset lighting level

#### Timer

- Bypass timer option
- Locked preset lighting level

#### Sensor

- Adjust timeout duration
- Off warning feature (dimmer version only)
- Sensor sensitivity 0–10V miswire alerts
- High- and low-end trim
- Auto-on feature (occupancy models only)
- Standard dimmer advanced features

For more information on Maestro advanced programming consult the following Application Notes at [lutron.com/applicationnotes](http://lutron.com/applicationnotes):

#124 – Maestro Family

#459 – Maestro C•L Dimmer

#461 – Maestro In-wall Sensors

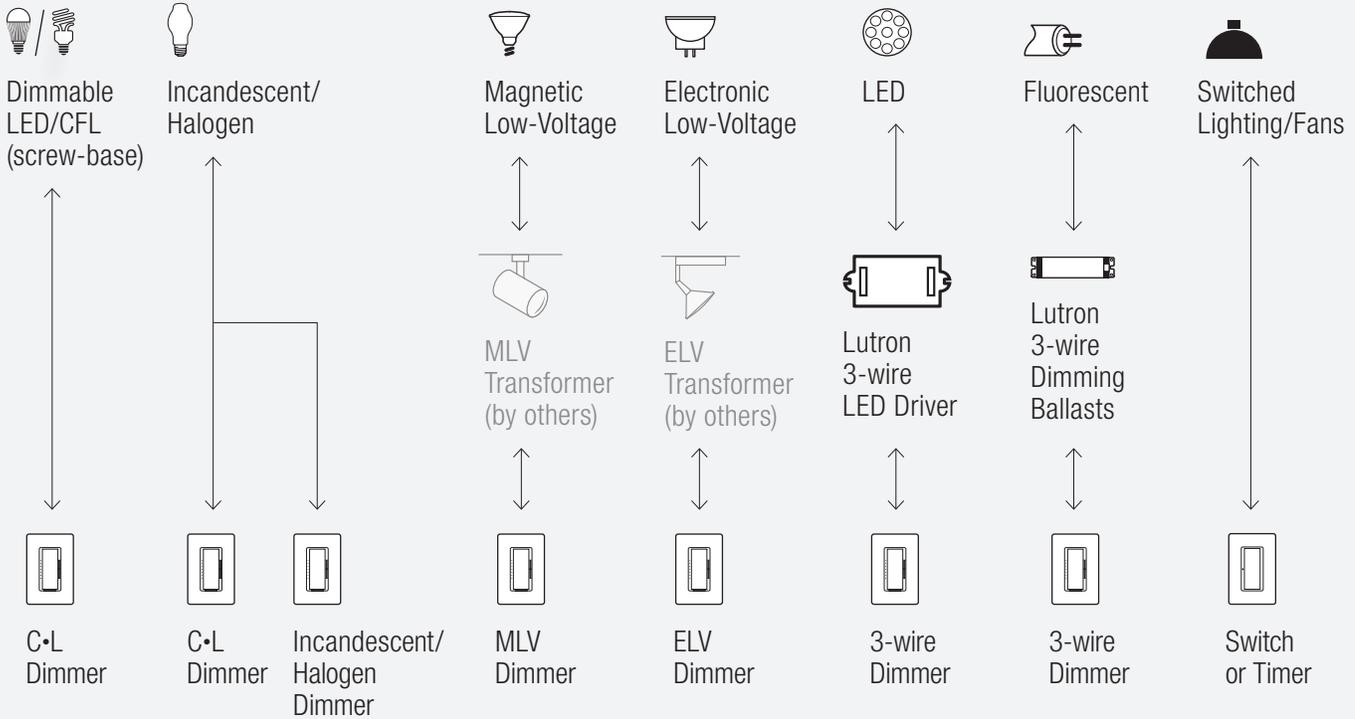
#489 – Maestro Dual-Circuit Sensor Switches

#504 – Maestro Dual-Technology Sensor Switches

#536 – Maestro 0–10V Dimmer Sensors

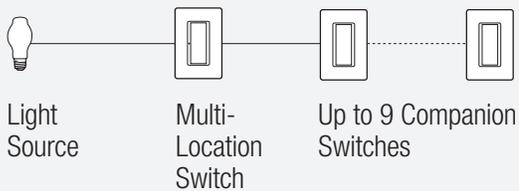
**Connections overview**

**Load connections\***

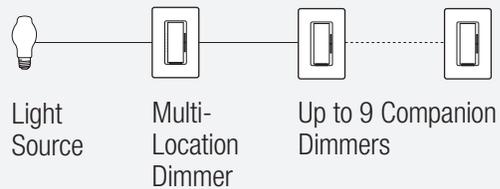


**Control types** (for 2 or more locations)

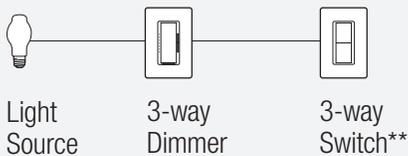
Switch from multiple locations (up to 10)



Dim from multiple locations (up to 10)



Dim from one location, switch from others



For load connection and control type information for Maestro wallbox occupancy/vacancy sensors, see p. 201.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.**

Consult model number pages for specific voltage and capacity information.

\*\* For 3-way control, use a 3-way dimmer with a mechanical 3-way switch

**Accessories**

**Wallplates**

4.75 in (121 mm)



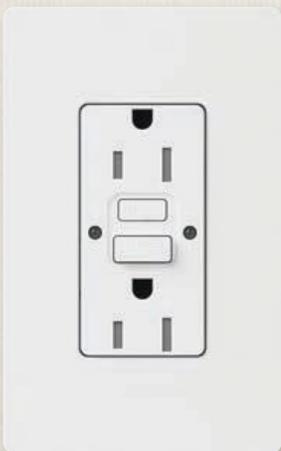
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

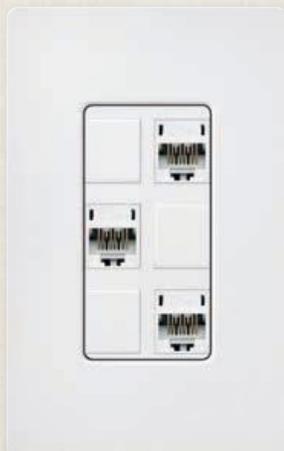
4.69 in (119 mm)

.30 in  
(7.6 mm)  
profile

**Coordinated electrical devices**



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.



Shown actual size: Maestro Wireless dimmer and 1-gang Claro wallplate in White (WH).

Shown actual size: Pico wireless remote in White (WH), W: 1.25 in (31.75 mm) x H: 2.63 in (66.68 mm) x D: .33 in (8 mm). For details, see p. 184

## Product family features

- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes (see p. 184) and Radio Powr Savr wireless sensors (see pp. 204, 206 and 208)
- Combine up to 10 wireless devices (dimmers, switches, sensors and/or wireless remotes)
- Button-presses associate the dimmer/switch with Radio Powr Savr sensors and Pico wireless remotes
- **C•L model available**
- Communicates at 434 MHz frequency
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates, see p. 223

## Control types

- Single-pole (one location)
- Multi-location (up to 10 locations)
- Wireless multi-location (up to 10 locations)

## Direct load type compatibility

- Dimmable LED/CFL lighting (screw-base)
- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- LED lighting
- Fluorescent lighting
- Switched lighting/fan/motor

## Load type requiring load interface

- Neon/cold cathode lighting

Lighting load interfaces may be required for some load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

## Available finishes

Use **BOLD** color code in model number (Example: MRF2-600M-**PD**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Satin Colors\*



**SW**  
Snow



**LS**  
Limestone



**BI**  
Biscuit



**ES**  
Eggshell



**PD**  
Palladium



**TP**  
Taupe



**ST**  
Stone



**BG**  
Bluestone



**PL**  
Plum



**TQ**  
Turquoise



**GS**  
Goldstone



**DS**  
Desert Stone



**GB**  
Greenbriar



**MS**  
Mocha Stone

Metal wallplate\*\*



**TC**  
Terracotta



**SI**  
Sienna



**HT**  
Hot



**MR**  
Merlot



**MN**  
Midnight



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls. For wallplate information, see pp. 222–223.

## Wireless digital fade dimmers



- Tap on to preset level; tap off
- Tap twice for full on
- Press, hold, and release for delayed fade-to-off
- Touch rocker to adjust light level
- Provides true dimming from each location with companion dimmers or Pico wireless remotes (see p. 184)
- C•L dimmer offers reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

##### Wireless digital fade C•L dimmer\*

Multi-location/single-pole MRF2-6CL-**XX**<sup>1</sup>  
120V 150W (LED/CFL), 600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p.250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

### Incandescent/halogen dimmers

#### Wireless digital fade dimmer\*

Multi-location/single-pole MRF2-600M-**XX**<sup>1</sup>  
120V 600W

#### Wireless digital fade dimmer\* with wallplate

Multi-location/single-pole MRF2-600MHW-WH  
120V 600W

#### Wireless digital fade dimmer\* with Pico wireless remote and wallplate

Multi-location/single-pole MRF2-600MTHW-WH  
120V 600W

### Incandescent/halogen dimmer

#### Magnetic low-voltage dimmer

#### Wireless digital fade dimmer\*

Multi-location/single-pole MRF2-6MLV-**XX**<sup>1</sup>  
120V 600W (Inc),  
600VA/450W (MLV)

#### Wireless digital fade dimmer— specification grade\*

Multi-location/single-pole MRF2-10D-120-**XX**<sup>1</sup>  
120V 1000W (Inc),  
1000VA/800W (MLV)

The stated W (watt) rating is the maximum incandescent lamp load. Ratings for MLV loads represent the maximum of the total lamp wattage plus MLV transformer loss (typically 20%).

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 33

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information



## Incandescent/halogen dimmer



## Magnetic low-voltage dimmer



## Hi-lume 1% 2-wire LED driver dimmer



## Tu-Wire fluorescent ballast dimmer

Wireless digital fade dimmer—  
specification grade<sup>\*,\*\*</sup>

---

Multi-location/single-pole MRF2-6ND-120-**XX**<sup>1</sup>  
120V 600W (Inc),  
600VA/450W (MLV),  
350W (Hi-lume 1% LED driver, max. 8),  
5A (Tu-Wire fluorescent ballast)

---

The stated W (watt) rating is the maximum incandescent lamp load. Ratings for MLV loads represent the maximum of the total lamp wattage plus MLV transformer loss (typically 20%).

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with LED drivers and fluorescent ballasts. For more information consult Lutron Application Note #370, Maestro Wireless Advanced Programming Mode, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).



## Electronic low-voltage dimmer

Wireless digital fade dimmer<sup>\*,\*\*</sup>

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Multi-location/single-pole MRF2-6ELV-120-**XX**<sup>1</sup>  
120V 600W

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## 3-wire LED driver/fluorescent ballast dimmer

Wireless digital fade dimmer<sup>\*</sup>

---

Multi-location/single-pole MRF2-F6AN-DV-**XX**<sup>1</sup>  
120/277V 6A

---

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and Hi-lume 1% and EcoSystem ballasts.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 33

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

<sup>\*</sup> **Requires neutral wire connection**

<sup>\*\*</sup> Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

## Wireless electronic switches



- Tap switch on/off
- For multi-location switching, use one Maestro Wireless switch with companion switches or Pico wireless remotes (see p. 184)

### Switches

#### Wireless electronic switch<sup>\*,\*\*</sup>

Multi-location/single-pole	MRF2-6ANS- <b>XX</b> <sup>†</sup>
120V 6A light, 3A fan (1/10HP)	

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

#### Wireless electronic switches—specification grade<sup>\*\*</sup>

Multi-location/single-pole*	MRF2-8ANS-120- <b>XX</b> <sup>†</sup>
120V 8A light, 5.8A fan (1/4 HP)	

Multi-location/single-pole	MRF2-8S-DV- <b>XX</b> <sup>†</sup>
120–277V 8A light, 3A fan (1/10HP) @ 120V only	

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

#### One wireless electronic switch<sup>\*\*</sup> with Radio Powr Savr occupancy/vacancy sensor and wallplate<sup>†</sup>

Multi-location/single-pole	MRF2-1S8A-1OC
120V 6A light, 3A fan (1/10HP) ceiling-mount sensor	

Multi-location/single-pole	MRF2-1S8A-1OW
120V 6A light, 3A fan (1/10HP) wall-mount sensor	

Multi-location/single-pole	MRF2-1S8A-1OK
120V 6A light, 3A fan (1/10HP) corner-mount sensor	

Multi-location/single-pole	MRF2-1S8A-1OH
120V 6A light, 3A fan (1/10HP) hallway sensor	

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

#### One wireless electronic switch<sup>\*\*</sup> with Radio Powr Savr vacancy sensor and wallplate<sup>†</sup>

Multi-location/single-pole	MRF2S-1S8A-1VC
120V 6A light, 3A fan (1/10HP) ceiling-mount sensor	

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

**XX**<sup>†</sup>: Gloss and Satin Colors codes, see p. 33

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* **Requires neutral wire connection**

\*\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

† Packages available in White only

Two wireless electronic switches\* with Radio Powr Savr occupancy/vacancy sensor and two-gang wallplate\*\*

Multi-location/single-pole      MRF2-2S8A-1OW  
120V 6A light,  
3A fan (1/10HP)  
ceiling-mount sensor

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

## Companion dimmers



- For use with multi-location dimmers only; use up to nine companion dimmers with only one Maestro Wireless multi-location dimmer
- Provides true dimming from every location

## Companion controls

### Companion dimmers

Companion dimmer 120V	MA-R- <b>XX</b> <sup>1</sup> MSC-AD- <b>XX</b> <sup>2</sup>
Companion dimmer 277V	MA-R-277- <b>XX</b> <sup>1</sup> MSC-AD-277- <b>XX</b> <sup>2</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 33

**XX**<sup>2</sup>: Satin Colors codes, see p. 33

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [www.lutron.com/faq](http://www.lutron.com/faq) for more information

\*\* Packages available in White only

## Companion switches



- For use with multi-location switches only; use up to nine companion switches with only one Maestro Wireless multi-location switch

### Companion controls

#### Companion switches

Companion switch 120V	MA-AS- <b>XX</b> <sup>1</sup> MSC-AS- <b>XX</b> <sup>2</sup>
Companion switch 277V	MA-AS-277- <b>XX</b> <sup>1</sup> MSC-AS-277- <b>XX</b> <sup>2</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 33

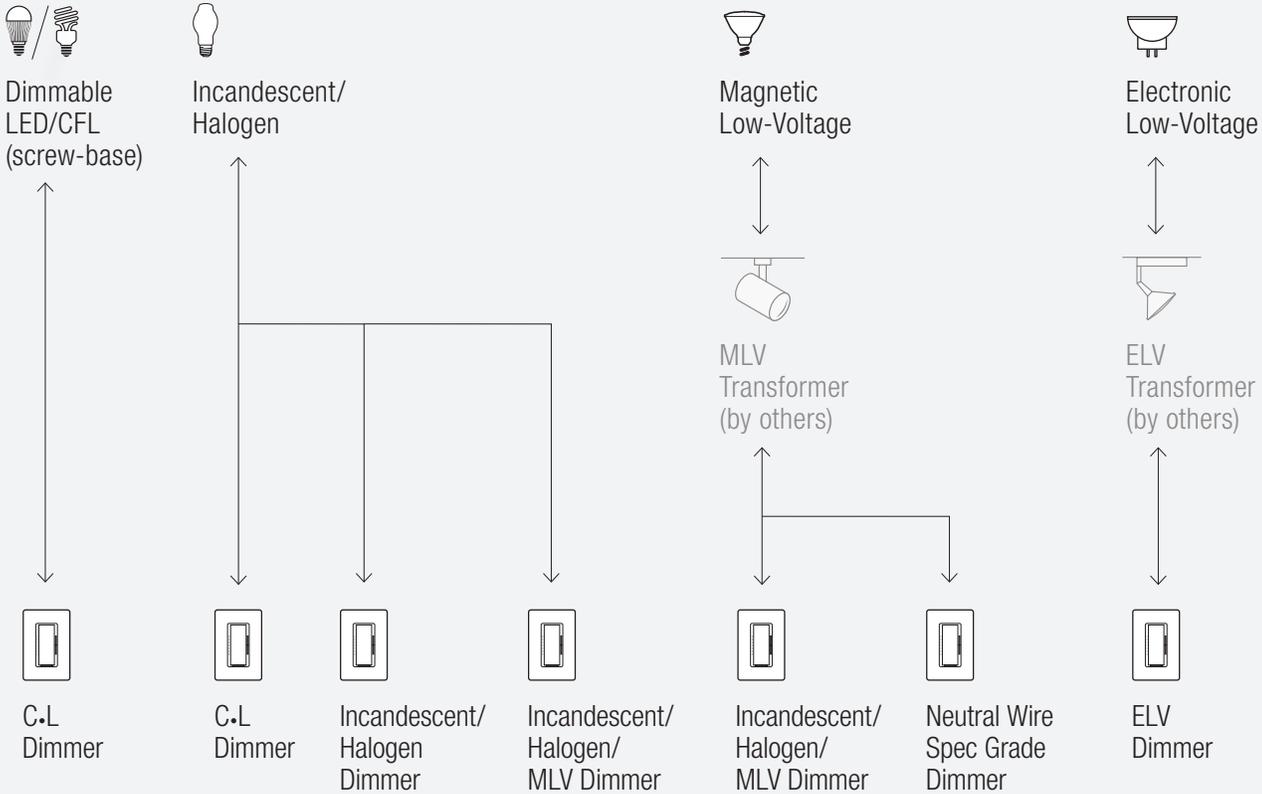
**XX**<sup>2</sup>: Satin Colors codes, see p. 33

Wallplates not included. Order separately,  
see pp. 222–223



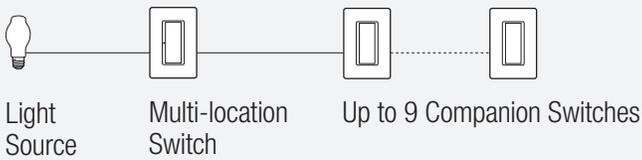
## Connections overview

### Load connections\*

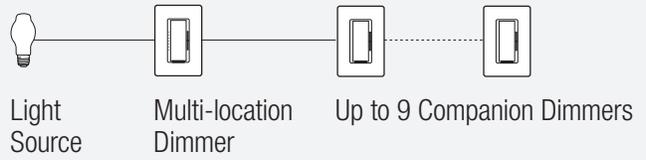


### Control types (for 2 or more locations)

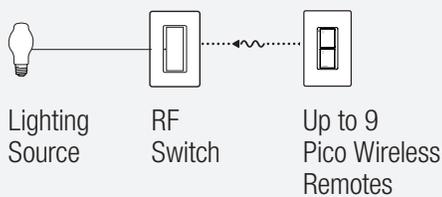
#### Switch from multiple locations (up to 10)



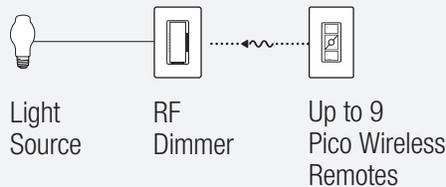
#### Dim from multiple locations (up to 10)



#### Switch wirelessly from multiple locations (up to 10)

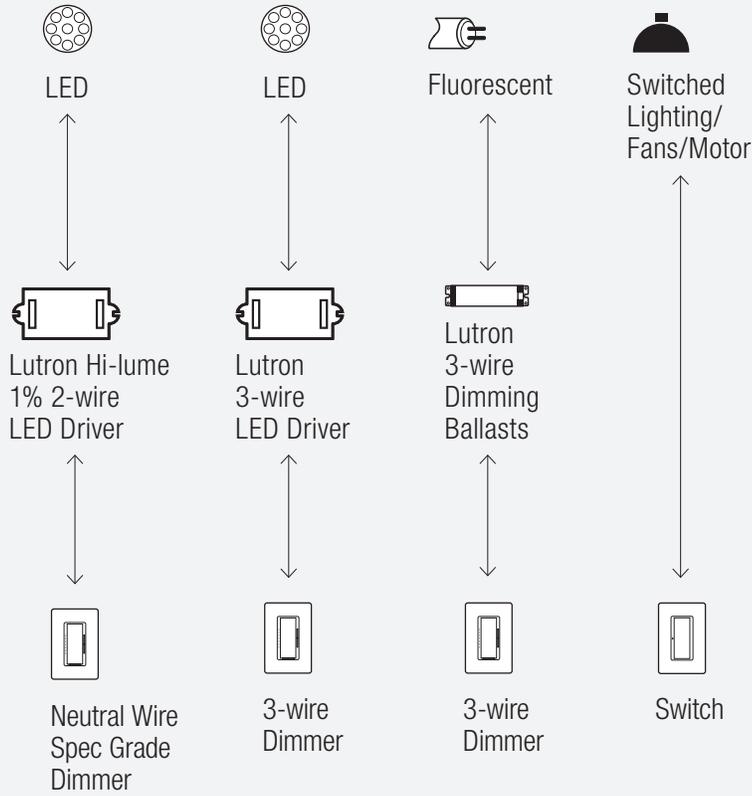


#### Dim wirelessly from multiple locations (up to 10)



\* For illustration purposes only. Consult model number pages for specific voltage and capacity information.

## Load connections\* (continued)



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

## Wallplates

4.75 in (121 mm)



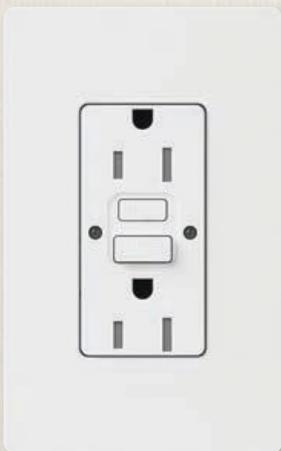
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

4.69 in (119 mm)

.30 in (7.6 mm)  
profile

## Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.





Shown actual size: Diva preset dimmer and 1-gang Claro wallplate in White (WH).

### Product family features

- Large paddle switch with a captive linear slide dimmer for a standard Designer wallplate opening
- Preset dimmer
- Select lighter color models feature built-in soft-glow locator light\*
- C•L, reverse-phase, and eco-dim models available
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates; see p. 223

### Control types

- Single-pole (one location)
- 3-way or 4-way (two or more locations)

### Direct load type compatibility

- Dimmable LED/CFL lighting (screw-base)
- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- LED lighting
- Fluorescent lighting
- Switched lighting/fan/motor
- Ceiling fans

### Load type requiring load interface

- Neon/cold cathode lighting

Lighting load interfaces may be required for some additional load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

\* Locator light not available in C•L and 0–10V dimmers, and fan controls

**Available finishes**

Use **BOLD** color code in model number (Example: DV-600P-**BR**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Satin Colors\*



**SW**  
Snow



**LS**  
Limestone



**BI**  
Biscuit



**ES**  
Eggshell



**PD**  
Palladium



**TP**  
Taupe



**ST**  
Stone



**BG**  
Bluestone



**PL**  
Plum



**TQ**  
Turquoise



**GS**  
Goldstone



**DS**  
Desert Stone



**GB**  
Greenbriar



**MS**  
Mocha Stone

Metal wallplate\*\*



**TC**  
Terracotta



**SI**  
Sienna



**HT**  
Hot



**MR**  
Merlot



**MN**  
Midnight



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls. For wallplate information, see pp. 222–223.

## Dimmers



- Paddle turns on/off
- Slide up to brighten, down to dim
- C•L dimmers provide reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- Locator light shines through paddle on select models

### 150W C•L dimmer\* with wallplate

3-way/single-pole DVWCL-153PH-**XX**<sup>3</sup>  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

### Two 150W C•L dimmers\* with two wallplates

3-way/single-pole DVWCL-153PH-2-**XX**<sup>4</sup>  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

### Dimmable LED/CFL (screw-base) dimmers

#### Incandescent/halogen dimmers

##### 150W C•L dimmers\*

3-way/single-pole DVCL-153P-**XX**<sup>1</sup>  
120V 150W (LED/CFL), DVSCCL-153P-**XX**<sup>2</sup>  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

### Dimmable LED/CFL (screw-base) dimmers

#### Incandescent/halogen dimmers

#### Hi-lume 1% 2-wire LED driver dimmers

##### 250W C•L dimmers\*

3-way/single-pole DVCL-253P-**XX**<sup>1</sup>  
120V 250W (LED/CFL), DVSCCL-253P-**XX**<sup>2</sup>  
600W (Inc),  
350W (Hi-lume 1% LED driver, max. 8)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss color codes, see p. 45  
**XX**<sup>2</sup>: Satin Colors codes, see p. 45  
**XX**<sup>3</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)  
**XX**<sup>4</sup>: Available in Gloss White (WH) and Light Almond (LA)

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

 **Dimmable LED/CFL (screw-base) dimmers**

 **Incandescent/halogen dimmers**

 **Electronic low-voltage dimmers**

**Reverse-phase dimmers<sup>\*,\*\*</sup>**

3-way/single-pole	DVRP-253P- <b>XX</b> <sup>1</sup>
120V 250W (LED/CFL), 500W (Inc), 500W (ELV)	DVSCR-253P- <b>XX</b> <sup>2</sup>

When dimming LEDs/CFLs, only bulbs marked or rated as dimmable with reverse-phase may be used.

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 251 to calculate wattage when mixing lamp types.

No low-end trim.

 **Incandescent/halogen dimmers**

**Dimmers\***

Single-pole	DV-600P- <b>XX</b> <sup>1</sup>
120V 600W	DVSC-600P- <b>XX</b> <sup>2</sup>
Single-pole	DV-10P- <b>XX</b> <sup>1</sup>
120V 1000W	DVSC-10P- <b>XX</b> <sup>2</sup>
3-way	DV-603P- <b>XX</b> <sup>1</sup>
120V 600W	DVSC-603P- <b>XX</b> <sup>2</sup>
3-way	DV-103P- <b>XX</b> <sup>1</sup>
120V 1000W	DVSC-103P- <b>XX</b> <sup>2</sup>

**Dimmers\* with wallplate**

Single-pole	DVW-600PH- <b>XX</b> <sup>1</sup>
120V 600W	
3-way	DVW-603PH- <b>XX</b> <sup>1</sup>
120V 600W	

**eco-dim dimmer<sup>\*,†</sup>**

3-way/single-pole	DV-603PG- <b>XX</b> <sup>3</sup>
120V 600W	

**XX**<sup>1</sup>: Gloss color codes, see p. 45

**XX**<sup>2</sup>: Satin Colors codes, see p. 45

Wallplates not included. Order separately, see pp. 222–223

**eco-dim dimmer<sup>\*,†</sup> with wallplate**

3-way/single-pole	DVW-603PGH- <b>XX</b> <sup>1</sup>
120V 600W	

 **Magnetic low-voltage dimmers**

**Dimmers\***

Single-pole	DVLV-600P- <b>XX</b> <sup>1</sup>
120V 600VA (450W)	DVSCLV-600P- <b>XX</b> <sup>2</sup>
Single-pole	DVLV-10P- <b>XX</b> <sup>1</sup>
120V 1000VA (800W)	DVSCLV-10P- <b>XX</b> <sup>2</sup>
3-way	DVLV-603P- <b>XX</b> <sup>1</sup>
120V 600VA (450W)	DVSCLV-603P- <b>XX</b> <sup>2</sup>
3-way	DVLV-103P- <b>XX</b> <sup>1</sup>
120V 1000VA (800W)	DVSCLV-103P- <b>XX</b> <sup>2</sup>

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

 **Electronic low-voltage dimmers**

**Dimmers<sup>\*,\*\*</sup>**

Single-pole	DVELV-300P- <b>XX</b> <sup>1</sup>
120V 300W	DVSC-300P- <b>XX</b> <sup>2</sup>
3-way	DVELV-303P- <b>XX</b> <sup>1</sup>
120V 300W	DVSC-303P- <b>XX</b> <sup>2</sup>

All models must be derated if ganged unless otherwise noted, see pp. 251 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

† Maximum light output of 85% guarantees 15% energy savings over standard switches

 **3-wire LED driver/fluorescent ballast dimmers**

**Dimmers\***

3-way/single-pole 120V 8A	DVF-103P- <b>XX</b> <sup>1</sup> DVSCF-103P- <b>XX</b> <sup>2</sup>
3-way/single-pole 277V 6A	DVF-103P-277- <b>XX</b> <sup>1</sup> DVSCF-103P-277 <b>XX</b> <sup>2</sup>

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and Hi-lume 3D and EcoSystem ballasts.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

No derating required if ganged.

Adjustable low-end trim.

 **0-10V LED/fluorescent fixture dimmers**  
(current sink control)

**Dimmers**

3-way/single-pole 120-277V 50 mA max control current	DVSTV- <b>XX</b> <sup>1</sup> DVSCSTV- <b>XX</b> <sup>2</sup>
------------------------------------------------------------	------------------------------------------------------------------

No power pack required.

Dimmer has maximum capacity of 8A switching or 50mA 0-10V sink limited by whichever rating is achieved first.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

No derating required if ganged.

 **0-10V LED/fluorescent fixture dimmers**  
(current sink control – power pack required)

**Dimmers\***

Single-pole 30 mA max control current	DDTV- <b>XX</b> <sup>1</sup> DVSTV- <b>XX</b> <sup>2</sup>
------------------------------------------	---------------------------------------------------------------

Control provides dimming signal only. For dimming with on/off switching, **use with Lutron power pack:** PP-DV or PP-347H.

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

No derating required if ganged.

 **Tu-Wire fluorescent ballast dimmers**

**Dimmers**

3-way/single-pole 120V 5A	DVFTU-5A3P- <b>XX</b> <sup>1</sup> DVSCFTU-5A3P- <b>XX</b> <sup>2</sup>
------------------------------	----------------------------------------------------------------------------

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

**XX**<sup>1</sup>: Gloss color codes, see p. 45  
**XX**<sup>2</sup>: Satin Colors codes, see p. 45

Wallplates not included. Order separately, see pp. 222-223

All models must be derated if ganged unless otherwise noted, see pp. 254-257.

\* **Requires neutral wire connection**

## Mechanical switches



- Paddle turns on/off
- Use with any 15A load
- General purpose switching of all light sources and motor loads
- Available with locator light

### General purpose switches

#### Mechanical switches

Single-pole*	CA-1PS- <b>XX</b> <sup>1</sup>
120/277V 15A	SC-1PS- <b>XX</b> <sup>2</sup>
3-way*	CA-3PS- <b>XX</b> <sup>1</sup>
120/277V 15A	SC-3PS- <b>XX</b> <sup>2</sup>
4-way	CA-4PS- <b>XX</b> <sup>1</sup>
120/277V 15A	SC-4PS- <b>XX</b> <sup>2</sup>

#### Mechanical switches with locator light

Single-pole	CA-1PSNL- <b>XX</b> <sup>3</sup>
120V 15A	SC-1PSNL- <b>XX</b> <sup>4</sup>
3-way	CA-3PSNL- <b>XX</b> <sup>3</sup>
120V 15A	SC-3PSNL- <b>XX</b> <sup>4</sup>
4-way	CA-4PSNL- <b>XX</b> <sup>3</sup>
120V 15A	SC-4PSNL- <b>XX</b> <sup>4</sup>

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**XX**<sup>1</sup>: Gloss color codes, see p. 45

**XX**<sup>2</sup>: Satin Colors codes, see p. 45

**XX**<sup>3</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)

**XX**<sup>4</sup>: Available in Satin Colors Snow (SW), Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), and Sea Glass (SG)

Wallplates not included. Order separately, see pp. 222–223

\* **Bulk packaging available. For more information, contact Customer Service at 1.888.LUTRON1.**

### Fan controls



- Paddle turns fan on/off
- Slide up to increase speed, down to decrease speed
- 3 quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Designed to prevent motor hum

### Fan/light controls



- **Switch** (paddle)
- Turns light on/off
- **Fan Control** (slider)
- Use slide to turn fan on/off and adjust fan speed
- 3 quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Designed to prevent motor hum

#### ✂ Fan controls

##### Fan controls—quiet 3-speed

3-way/single-pole	DVFSQ-F- <b>XX</b> <sup>1</sup>
120V 1.5A	DVSCFSQ-F- <b>XX</b> <sup>2</sup>
3-way/single-pole	DVFSQ-F-HO- <b>XX</b> <sup>1</sup>
120V 2A	

DVFSQ-F-HO model for use with Hunter Original Series fans.

Does not include built-in locator light.

No derating required if ganged.

##### Fan control—quiet 3-speed and wallplate

3-way/single-pole	DWFSQ-FH- <b>XX</b> <sup>3</sup>
120V 1.5A	

Does not include built-in locator light.

No derating required if ganged.

#### ✂ Fan/light controls

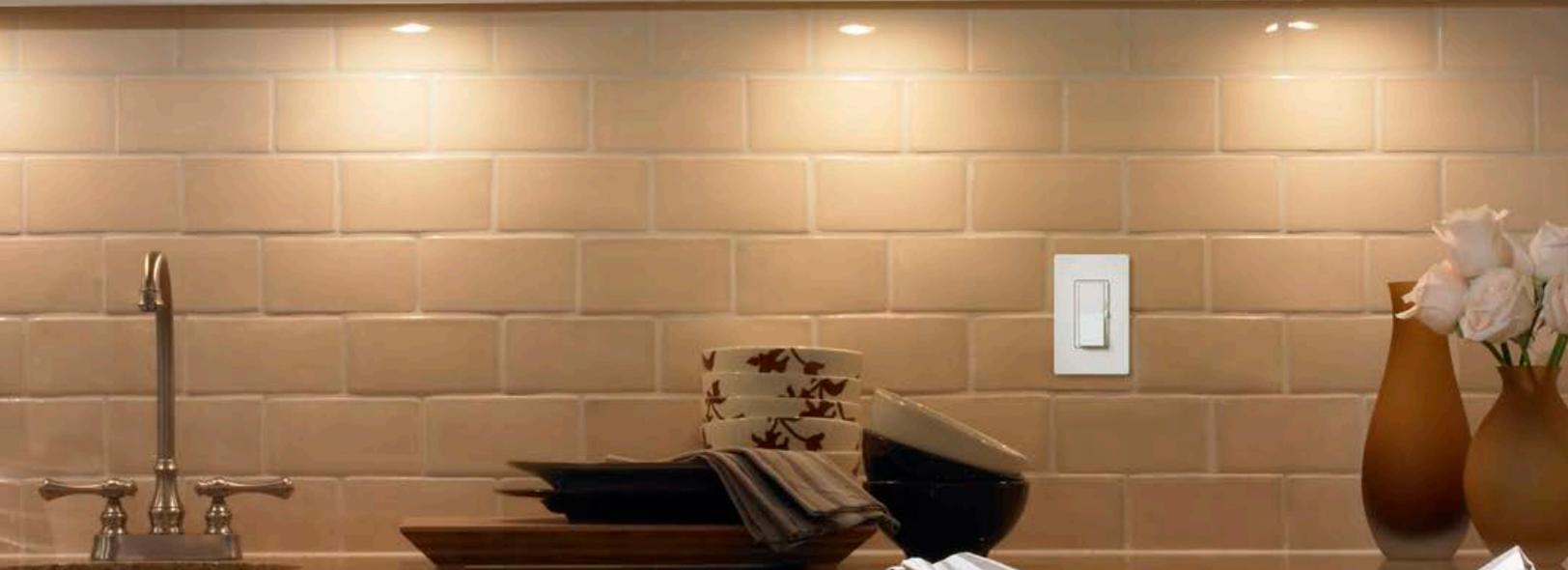
##### Fan/light controls—quiet 3-speed

Single-pole	DVFSQ-LF- <b>XX</b> <sup>1</sup>
120V 1.5A Fan,	DVSCFSQ-LF- <b>XX</b> <sup>2</sup>
120V 1A LED/CFL,	
2A Incandescent/halogen	

No derating required if ganged.

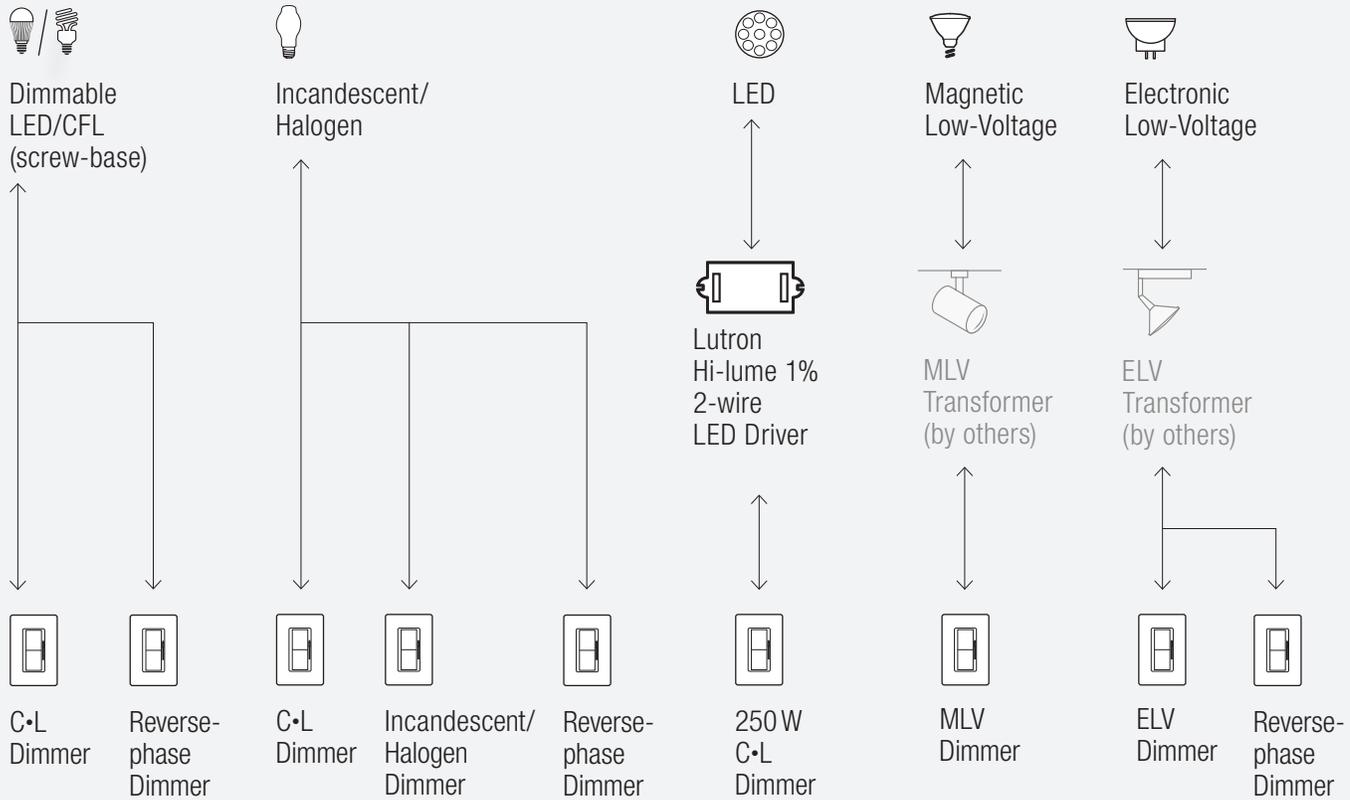
**XX**<sup>1</sup>: Gloss color codes, see p. 45  
**XX**<sup>2</sup>: Satin Colors codes, see p. 45  
**XX**<sup>3</sup>: Available in Gloss White (WH), Almond (AL), and Light Almond (LA)

Wallplates not included. Order separately, see pp. 222–223



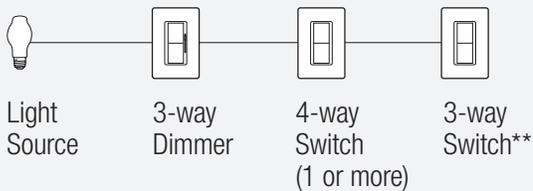
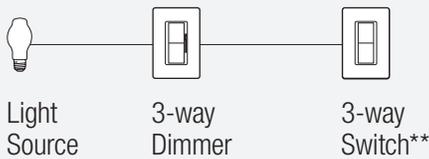
**Connections overview**

**Load connections\***



**Control types (for 2 or more locations)**

Dim from one location, switch from the others



Fan control from one location, switch from the other

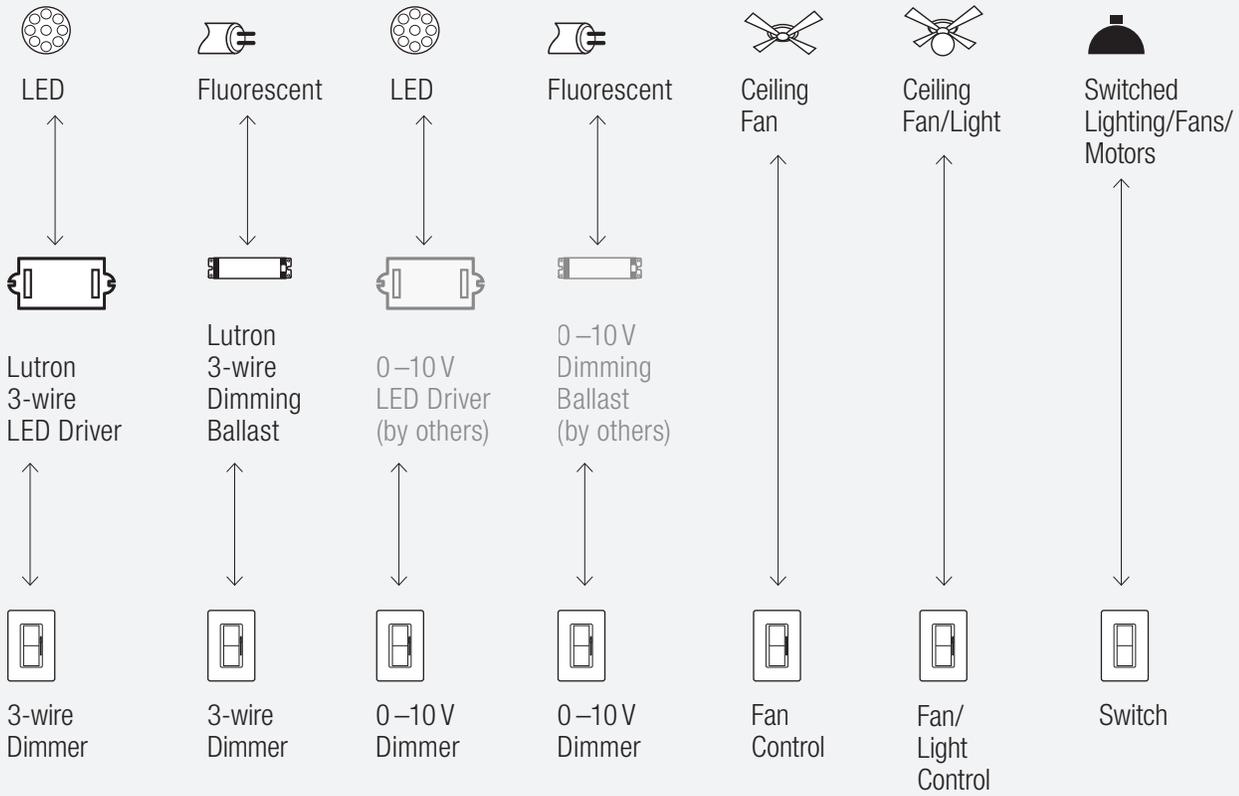


For more information on Lutron drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

\*\* For 3-way and 4-way control, use a 3-way dimmer/fan control with mechanical 3-way or 4-way switches.

**Load connections\*** (continued)



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

**Accessories**

**Wallplates**

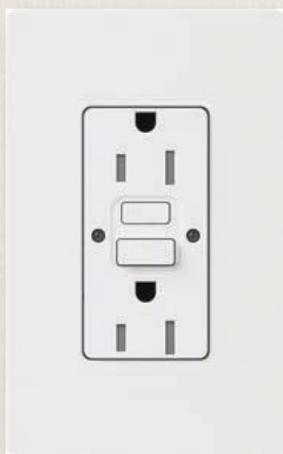
4.75 in (121 mm)



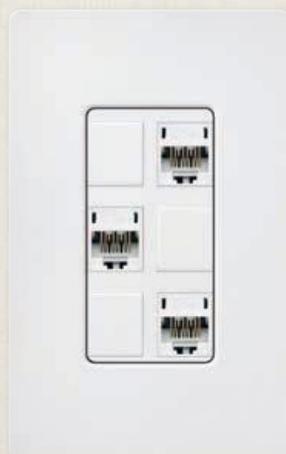
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

**Coordinated electrical devices**



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.





Shown actual size: Skylark Contour C-L dimmer and 1-gang Claro wallplate in White

### Product family features

- Rocker switch returns light to light level indicated by slider
- Slide up to brighten, down to dim
- C•L, reverse-phase, and eco-dim models available
- Coordinating Claro wallplates only available separately
- Custom engraving available for wallplates; see p. 223

### Control types

-  Single-pole (one location)
-  3-way or 4-way (two or more locations)

### Direct load type compatibility

-  Dimmable LED/CFL lighting (screw-base)
-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Electronic low-voltage lighting
-  Ceiling fans

Lighting load interfaces are not compatible with this family.

## Available finishes

Use **BOLD** color code in model number (Example: CT-600P-**IV**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Metal wallplates\*\*



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp.222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see pp.222–223.

## Dimmers with on/off switch



- Rocker switch returns light to light level indicated by slider
- C-L dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

##### C-L dimmer with on/off switch\*

3-way/single-pole	CTCL-153P- <b>XX</b> <sup>1</sup>
120V 150W (LED/CFL), 600W (Inc)	

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

#### Electronic low-voltage dimmer

##### Reverse-phase dimmer with on/off switch<sup>\*,\*\*</sup>

3-way/single-pole	CTRP-253P- <b>XX</b> <sup>1</sup>
120V 250W (LED/CFL), 500W (Inc), 500W (ELV)	

When dimming LEDs/CFLs, only bulbs marked or rated as dimmable with reverse-phase may be used.

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 251 to calculate wattage when mixing lamp types.

**XX**<sup>1</sup>: Gloss color codes, see p. 57

**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)

Wallplates not included. Order separately, see pp. 222–223

### Incandescent/halogen dimmers

#### Dimmer with on/off switch\*

Single-pole	CT-600P- <b>XX</b> <sup>1</sup>
120V 600W	
3-way	CT-603P- <b>XX</b> <sup>1</sup>
120V 600W	

#### eco-dim dimmer<sup>†</sup> with on/off switch\*

Multi-location/single-pole	CT-603PG- <b>XX</b> <sup>2</sup>
120V 600W	

### Incandescent/halogen dimmer

#### Magnetic low-voltage dimmer

#### Dimmer with on/off switch\*

3-way/single-pole	CT-103P- <b>XX</b> <sup>1</sup>
120V 1000W (Inc), 600VA/450W (MLV)	

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load.

The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

### Electronic low-voltage dimmer

#### Dimmer with on/off switch<sup>\*,\*\*</sup>

3-way/single-pole	CTELV-303P- <b>XX</b> <sup>1</sup>
120V 300W	

All models must be derated if ganged unless otherwise noted, see pp. 250–251 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

† Maximum light output of 85% guarantees 15% energy savings over standard switches

## Slide-to-off dimmer



- Slide up to on/brighten; down to dim/off
- Provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

## Fan control



- Rocker switch returns fan to speed level indicated by slider
- Slide up to increase speed, down to decrease speed
- 3 quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Designed to prevent motor hum

 **Dimmable LED/CFL (screw-base) dimmer**

 **Incandescent/halogen dimmer**

**Slide-to-off C•L dimmer\***

Single-pole CTCL-150H-**XX**<sup>1</sup>  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p.250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

 **Fan control**

**Fan control—quiet 3-speed**

3-way/single-pole CTFSQ-F-**XX**<sup>2</sup>  
120V 1.5A

No derating required if ganged.

**XX<sup>1</sup>**: Available in Gloss White (WH), Ivory (IV), and Light Almond (LA)

**XX<sup>2</sup>**: Gloss color codes, see p.57

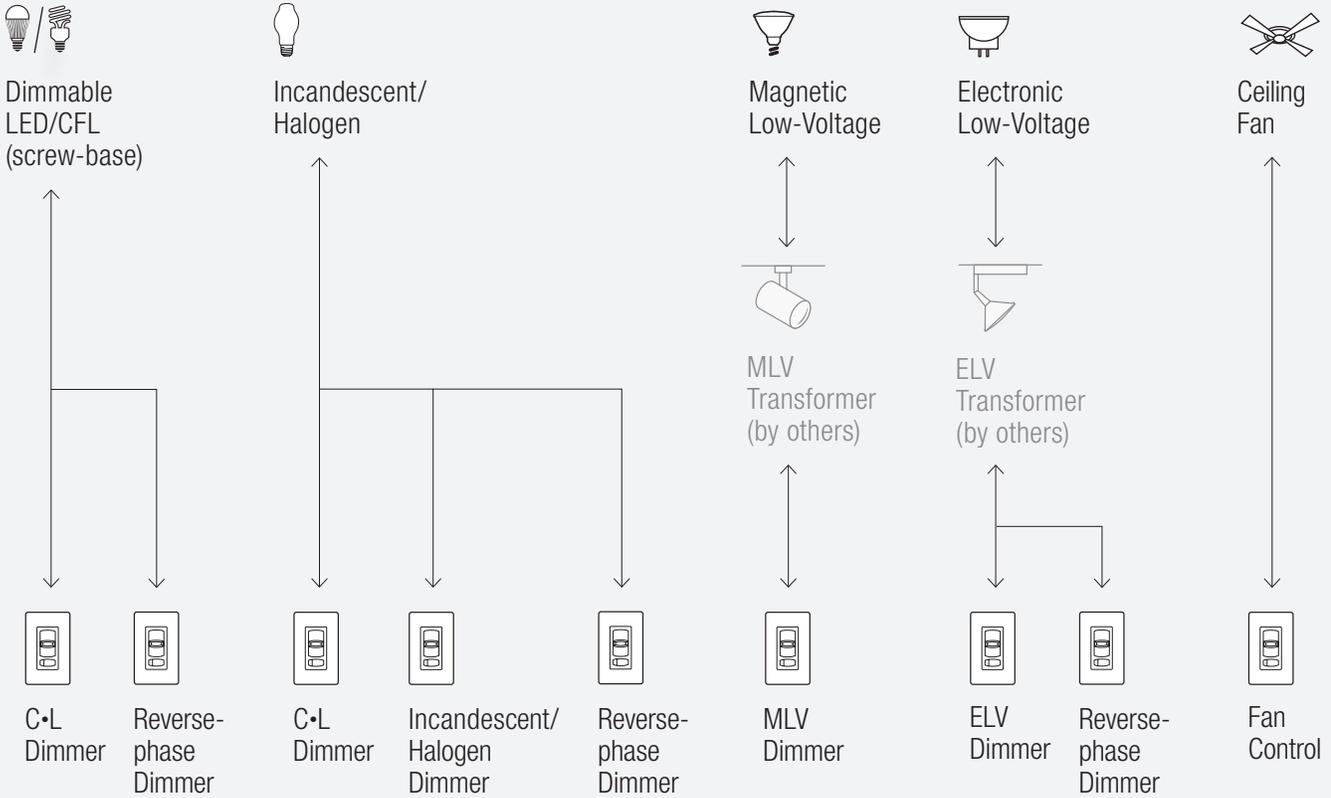
Wallplates not included. Order separately, see pp.222–223

All models must be derated if ganged unless otherwise noted, see pp.250.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

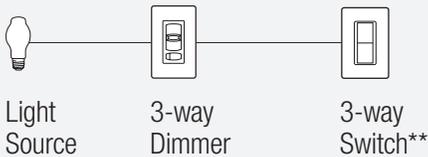
## Connections overview

### Load connections\*

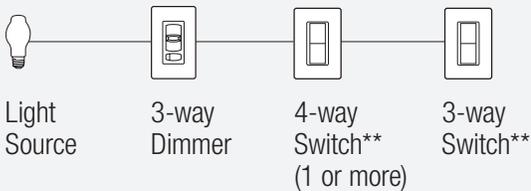


### Control types (for 2 or more locations)

Dim from one location, switch from the others



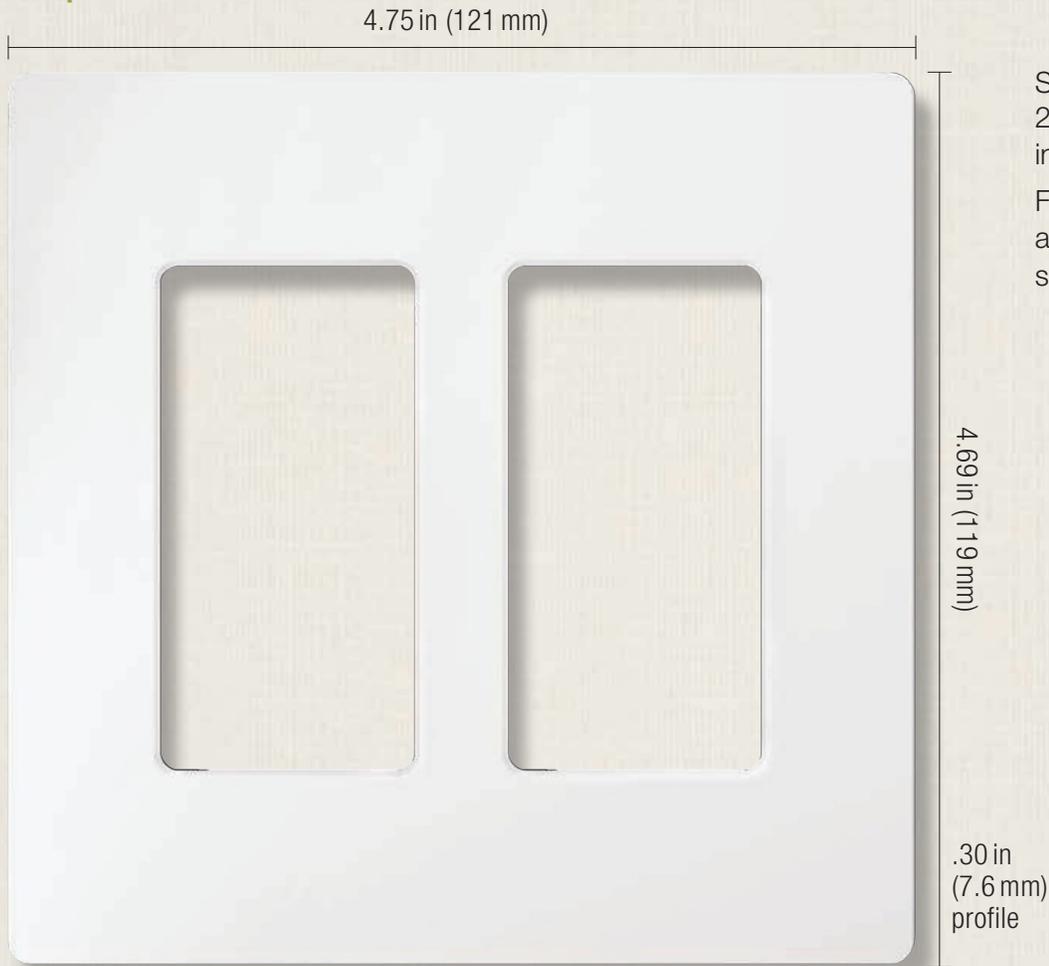
Fan control from one location, switch from the other



\* **For illustration purposes only.** Consult model number pages for specific voltage and capacity information.  
 \*\* For 3-way and 4-way control, use a 3-way dimmer/fan control with mechanical 3-way or 4-way switches.

## Accessories

### Wallplates

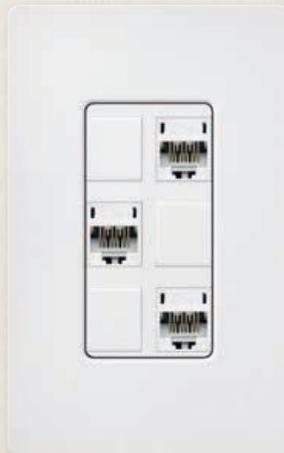


Shown actual size:  
2-gang Claro wallplate  
in White (WH).  
For more information  
about Designer wallplates,  
see pp. 222–223.

### Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.



Shown actual size: Skylark dimmer and 1-gang Claro wallplate in White (WH).

### Product family features

- Rocker switch returns light to light level indicated by slider on preset dimmers
- Slide up to brighten, down to dim
- C•L and eco-dim models available
- Coordinating Claro and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates, see p. 223

### Control types

 Single-pole (one location)

 3-way or 4-way (two or more locations)

### Direct load type compatibility

 Dimmable LED/CFL lighting (screw-base)

 Incandescent/halogen lighting

 Magnetic low-voltage lighting

 Electronic low-voltage lighting

 LED lighting

 Fluorescent lighting

 Ceiling fans

 Ceiling fan/lights

### Load type requiring load interface

 Neon/cold cathode lighting

Lighting load interfaces may be applicable for some additional load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

**Available finishes**

Use **BOLD** color code in model number (Example: S-600P-**GR**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Metal wallplates\*\*



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see pp. 222–223.

## Dimmers with on/off switch



- Rocker switch returns light to light level indicated by slider
- Slide up to brighten, down to dim
- **C•L** dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

##### C•L dimmer with on/off switch\*

3-way/single-pole SCL-153P-**XX**<sup>1</sup>  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types. Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss color codes, see p. 63

**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)

Wallplates not included. Order separately, see pp. 222–223

### Incandescent/halogen dimmers

#### Dimmers with on/off switch\*

Single-pole 120V 600W	S-600P- <b>XX</b> <sup>1</sup>
Single-pole 120V 1000W	S-10P- <b>XX</b> <sup>1</sup>
3-way 120V 600W	S-603P- <b>XX</b> <sup>1</sup>
3-way 120V 1000W	S-103P- <b>XX</b> <sup>1</sup>

#### eco-dim dimmer<sup>†</sup> with on/off switch\*

3-way/single-pole 120V 600W	S-603PG- <b>XX</b> <sup>2</sup>
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### Magnetic low-voltage dimmers

#### Dimmers with on/off switch\*

Single-pole 120V 600VA (450W)	SLV-600P- <b>XX</b> <sup>1</sup>
3-way 120V 600VA (450W)	SLV-603P- <b>XX</b> <sup>1</sup>

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

† Maximum light output of 85% guarantees 15% energy savings over standard switches

 **Electronic low-voltage dimmers**

Dimmers with on/off switch<sup>\*,\*\*</sup>

Single-pole 120V 300W	SELV-300P- <b>XX</b> <sup>1</sup>
3-way 120V 300W	SELV-303P- <b>XX</b> <sup>1</sup>

 /  **3-wire LED driver/fluorescent ballast dimmers**

Dimmers with on/off switch<sup>\*\*</sup>

Single-pole 120V 8A	SF-10P- <b>XX</b> <sup>1</sup>
Single-pole 277V 6A	SF-12P-277- <b>XX</b> <sup>1</sup>
3-way 120V 8A	SF-103P- <b>XX</b> <sup>1</sup>
3-way 277V 6A	SF-12P-277-3- <b>XX</b> <sup>1</sup>

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and Hi-lume 3D and EcoSystem ballasts.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

No derating required if ganged.

Adjustable low-end trim.

 **Tu-Wire fluorescent ballast dimmer**

Dimmer with on/off switch

3-way/single-pole 120V 5A	SFTU-5A3P- <b>XX</b> <sup>1</sup>
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Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

**XX**<sup>1</sup>: Gloss color codes, see p. 63

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

### Slide-to-off dimmers



- Slide up to on/brighten, down to dim/off

### Dimmers with on/off switch and locator light



- Rocker switch returns light to light level indicated by slider
- Slide up to brighten, down to dim
- Includes amber locator light

#### Incandescent/halogen dimmers

##### Slide-to-off dimmers\*

Single-pole 120V 600W	S-600- <b>XX</b> <sup>1</sup>
Single-pole 120V 1000W	S-1000- <b>XX</b> <sup>1</sup>

#### Incandescent/halogen dimmers

##### Dimmers with on/off switch and locator light\*

Single-pole 120V 600W	S-600PNL- <b>XX</b> <sup>1</sup>
Single-pole 120V 1000W	S-10PNL- <b>XX</b> <sup>1</sup>
3-way 120V 600W	S-603PNL- <b>XX</b> <sup>1</sup>
3-way 120V 1000W	S-103PNL- <b>XX</b> <sup>1</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 63

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

### Dual slide-to-off dimmer

(two loads)



**Dimmers** (left/right)

- Slide up to on/brighten, down to dim/off

### Slide-to-off fan controls



- Slide up to on/increase speed, down to decrease/off
- 3 quiet fan speeds designed to prevent motor hum (for use with only one ceiling paddle fan)
- Fully variable model also available (for use with multiple ceiling paddle or exhaust fans)

 **Incandescent/halogen dimmer**

Dual slide-to-off dimmer (two loads)\*

Single-pole	S2-L- <b>XX</b> <sup>1</sup>
120V 300W dimmer (left)	
Incandescent/halogen	
300W dimmer (right)	
Incandescent/halogen	

 **Fan controls**

Slide-to-off fan controls—quiet 3-speed

Single-pole	SFSQ-F- <b>XX</b> <sup>1</sup>
120V 1.5A	
Single-pole	SFSQ-F-HO- <b>XX</b> <sup>1</sup>
120V 2A	

SFSQ-F-HO model for use with Hunter Original Series fans.

No derating required if ganged.

Slide-to-off fan control—fully variable

Single-pole	SFS-5E- <b>XX</b> <sup>1</sup>
120V 5A	

Control provides an additional wire for fan light switching (360W, incandescent/halogen). Light turns on when fan is on, and off when fan is off.

Fully variable fan controls are commonly known as solid state fan controls.

**XX**<sup>1</sup>: Gloss color codes, see p. 63

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

## Slide-to-off fan/light control with on/off light switch

(two loads)



### Fan control (top)

- Slide up to on/increase speed, down to decrease/off
- 3 quiet fan speeds designed to prevent motor hum (for use with only one ceiling paddle fan)

### Switch (bottom)

- Rocker switch turns light on/off

### Fan control/light control

Slide-to-off fan/light control—quiet 3-speed  
with on/off light switch (two loads)

Single-pole SFSQ-LF-**XX**<sup>1</sup>

120V 1.5A fan (top)

360W switch (bottom)

Incandescent/halogen

No derating required if ganged.

**XX**<sup>1</sup>: Gloss color codes, see p. 63

Wallplates not included. Order separately,  
see pp. 222–223

All models must be derated if ganged unless  
otherwise noted, see pp. 254–257.

## Dual slide-to-off fan/light control

(two loads)



### Fan control (left)

- Slide up to on/increase speed, down to decrease/off
- 3 quiet fan speeds designed to prevent motor hum (for use with only one ceiling paddle fan)
- Fully variable model also available (for use with multiple ceiling paddle or exhaust fans)

### Dimmer (right)

- Slide up to on/brighten, down to dim/off

## ✂ Fan/light controls

Dual slide-to-off fan/light control—quiet 3-speed (two loads)\*

Single-pole	S2-LFSQ- <b>XX</b> <sup>1</sup>
120V 1.5A fan (left)	
300W dimmer (right)	
Incandescent/halogen	

No derating required if ganged.

Dual slide-to-off fan/light control—fully variable (two loads)\*

Single-pole	S2-LF- <b>XX</b> <sup>1</sup>
120V 2.5A fan (left)	
300W dimmer (right)	
Incandescent/halogen	

Fully variable fan controls are commonly known as solid state fan controls.

## 🔩 Replacement knobs

Standard knob	SK- <b>XX</b> <sup>2</sup>
Split knobs	contact customer service

**XX**<sup>1</sup>: Gloss color codes, see p. 63

**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)

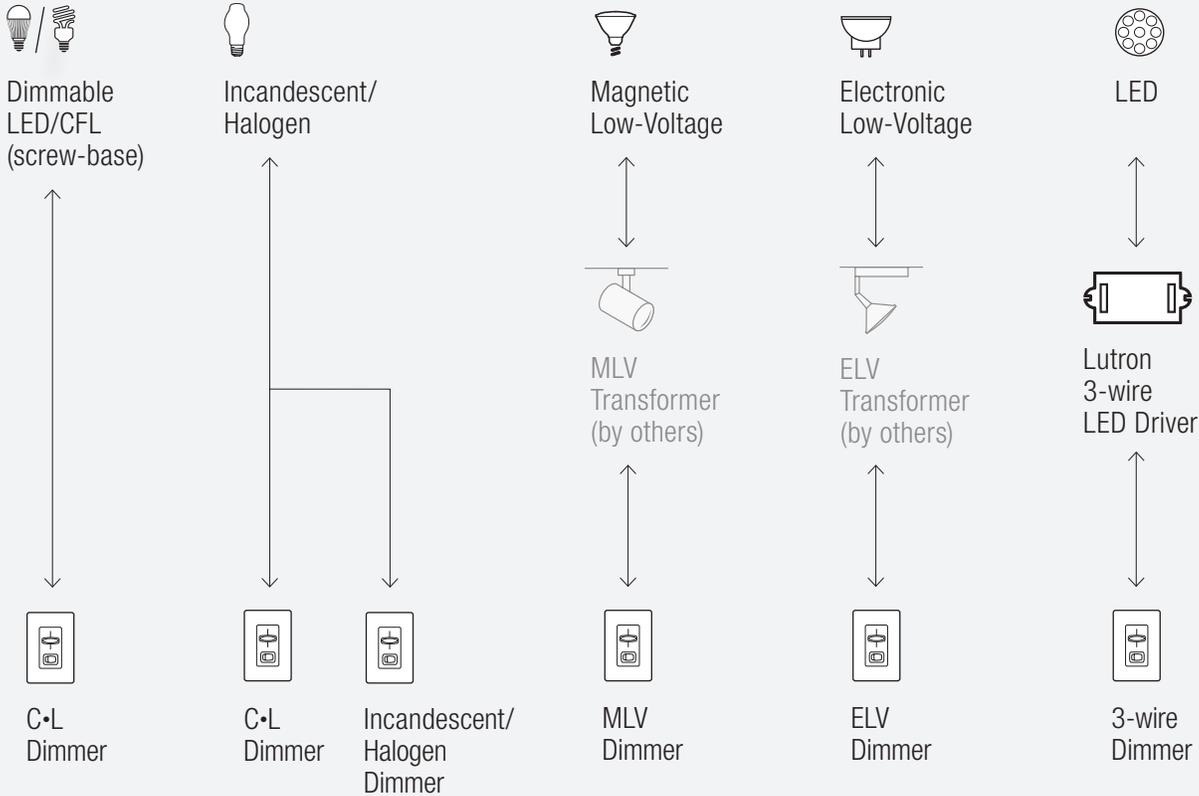
Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

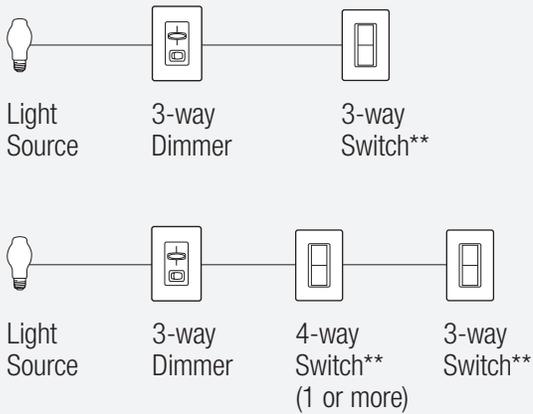
\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

Connections overview

Load connections\*



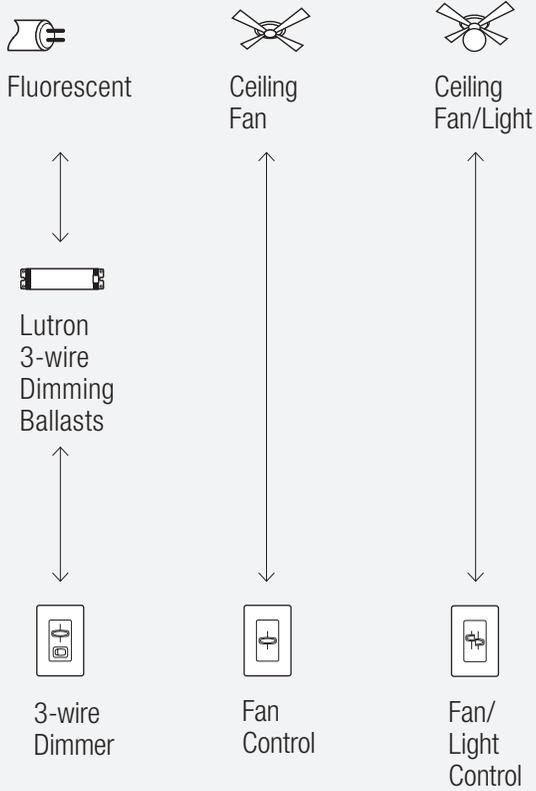
Control types (for 2 or more locations)  
Dim from one location, switch from the others



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* For illustration purposes only. Consult model number pages for specific voltage and capacity information.  
 \*\* For 3-way and 4-way control, use a 3-way dimmer with mechanical 3-way or 4-way switches.

## Load connections\* (continued)



\* **For illustration purposes only.**  
Consult model number pages for specific  
voltage and capacity information.

## Accessories

### Wallplates

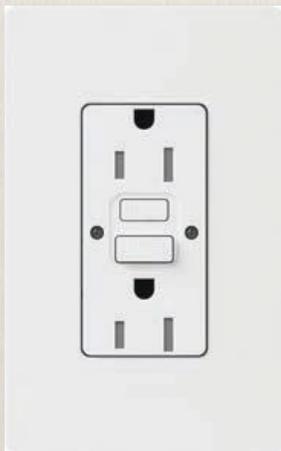
4.75 in (121 mm)



Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

### Coordinated electrical devices



Tamper resistant, self-  
testing GFCI receptacle



Customizable  
6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.





Shown actual size: Luméa C•L dimmer and 1-gang Claro wallplate in White (WH).

### Product family features

- Rocker switch returns light to light level indicated by slider
- Slide up to brighten, down to dim
- **C•L model available**
- Coordinating Claro wallplates only available separately
- Custom engraving available for wallplates, see p.223

### Control types

 Single-pole (one location)

 3-way or 4-way (two or more locations)

### Direct load type compatibility

 Dimmable LED/CFL lighting (screw-base)

 Incandescent/halogen lighting

Lighting load interfaces are not compatible with this family.

### Available finishes

Use **BOLD** color code in model number (Example: LECL-153P-**WH**)

Gloss\*



**WH**  
White



**IV**  
Ivory



**LA**  
Light Almond

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

## Dimmers with on/off switch



- Rocker switch returns light to light level indicated by slider
- C•L dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

#### C•L dimmer with on/off switch\*

3-way/single-pole LECL-153PH-**XX**<sup>1</sup>

120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss color codes, see p. 75

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

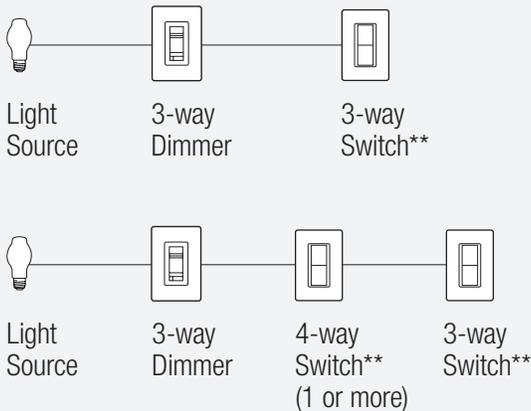
## Connections overview

### Load connections\*



### Control types (for 2 or more locations)

Dim from one location, switch from the others



\* For illustration purposes only.

Consult model number pages for specific voltage and capacity information.

\*\* For 3-way and 4-way control, use a 3-way dimmer with mechanical 3-way or 4-way switches.

Accessories

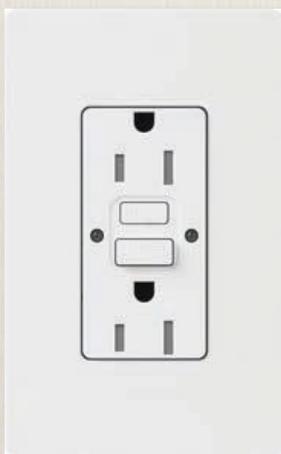
Wallplates



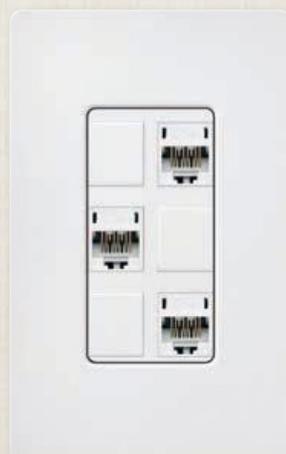
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.





Shown actual size: Ariadni dimmer and 1-gang Fassada wallplate in White (WH).

### Product family features

- Matches existing switches
- Toggle-style switch turns light on to level set by slider
- Slider adjusts light to your favorite level
- C•L and eco-dim models available
- Coordinating Fassada wallplates only available separately
- Custom engraving available for wallplates, see p. 230

### Control types

-  Single-pole (one location)
-  3-way or 4-way (two or more locations)

### Direct load type compatibility

-  Dimmable LED/CFL lighting (screw-base)
-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  LED lighting
-  Fluorescent lighting
-  Ceiling fans
-  Ceiling fan/lights

### Load type requiring load interface

-  Electronic low-voltage lighting
-  Neon/cold cathode lighting

Lighting load interfaces may be applicable for some additional load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

**Available finishes**

Use **BOLD** color code in model number (Example: AY-600P-**BL**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**BR**  
Brown



**BL**  
Black

Metal wallplate\*\*



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see p. 230.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information see p. 230.

## Preset dimmers



- Toggle turns lights on/off
- Slide up to brighten, down to dim
- C•L dimmers provide reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

##### 150W preset C•L dimmer\*

3-way/single-pole AYCL-153P-**XX**<sup>1</sup>  
120V 150W (CFL/LED),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

#### Hi-lume 1% 2-wire LED driver dimmer

##### 250W preset C•L dimmer\*

3-way/single-pole AYCL-253P-**XX**<sup>1</sup>  
120V 250W (LED/CFL),  
600W (Inc),  
350W (Hi-lume 1% LED driver, max 8)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

**XX**<sup>1</sup>: Gloss color codes, see p. 81

**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)

Wallplates not included. Order separately, see p. 230

### Incandescent/halogen dimmers

#### Preset dimmers

Single-pole 120V 600W	AY-600P- <b>XX</b> <sup>1</sup>
Single-pole 120V 1000W	AY-10P- <b>XX</b> <sup>1</sup>
3-way 120V 600W	AY-603P- <b>XX</b> <sup>1</sup>
3-way 120V 1000W	AY-103P- <b>XX</b> <sup>1</sup>

#### eco-dim preset dimmer<sup>\*,\*\*</sup>

3-way/single-pole 120V 600W	AY-603PG- <b>XX</b> <sup>2</sup>
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### Magnetic low-voltage dimmers

#### Preset dimmers\*

Single-pole 120V 600VA (450W)	AYLV-600P- <b>XX</b> <sup>1</sup>
3-way 120V 600VA (450W)	AYLV-603P- <b>XX</b> <sup>1</sup>

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

All models must be derated if ganged unless otherwise noted, see pp. 250 and 258.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Maximum light output of 85% guarantees 15% energy savings over standard switches

 **3-wire LED driver/fluorescent ballast dimmers**

**Preset dimmers\***

3-way/single-pole 120V 8A	AYF-103P- <b>XX</b> <sup>1</sup>
3-way/single-pole 277V 6A	AYF-103P-277- <b>XX</b> <sup>1</sup>

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and EcoSystem and Hi-lume 3D ballasts.

Adjustable low-end trim.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

No derating required if ganged.

**Preset dimmers with locator light**



- Toggle turns lights on/off
- Slide up to brighten, down to dim
- Includes amber locator light
- Not available in Black

 **Incandescent/halogen dimmers**

**Preset dimmers with locator light\*\***

Single-pole 120V 600W	AY-600PNL- <b>XX</b> <sup>2</sup>
Single-pole 120V 1000W	AY-10PNL- <b>XX</b> <sup>2</sup>
3-way 120V 600W	AY-603PNL- <b>XX</b> <sup>2</sup>
3-way 120V 1000W	AY-103PNL- <b>XX</b> <sup>2</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 81  
**XX**<sup>2</sup>: Available in Gloss White (WH), Ivory (IV), Almond (AL), Light Almond (LA), and Brown (BR)

Wallplates not included. Order separately, see p. 230

All models must be derated if ganged, unless otherwise noted, see p. 258.

\* **Requires neutral wire connection**

\*\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

## Fan control



- Toggle turns fans on/off
- Slide up to increase speed, down to decrease
- 3 quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Designed to prevent motor hum

### ✂ Fan control

#### Fan control—quiet 3-speed

3-way/single-pole

120V 1.5A

AYFSQ-F-**XX**<sup>1</sup>

No derating required if ganged.

## Dual fan/light control

(two loads)



### Fan control (left)

- Use slider to turn fan on/off and adjust fan speed
- 3 quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Designed to prevent motor hum

### Dimmer (right)

- Toggle turns light on/off
- Slide up to brighten, down to dim

### ✂ Dual fan/light control

#### Fan/light control—quiet 3-speed\*

Single-pole

AY2-LFSQ-**XX**<sup>1</sup>

120V 1.5A fan (left)

120V 300W dimmer (right)

Incandescent/halogen

No derating required if ganged.

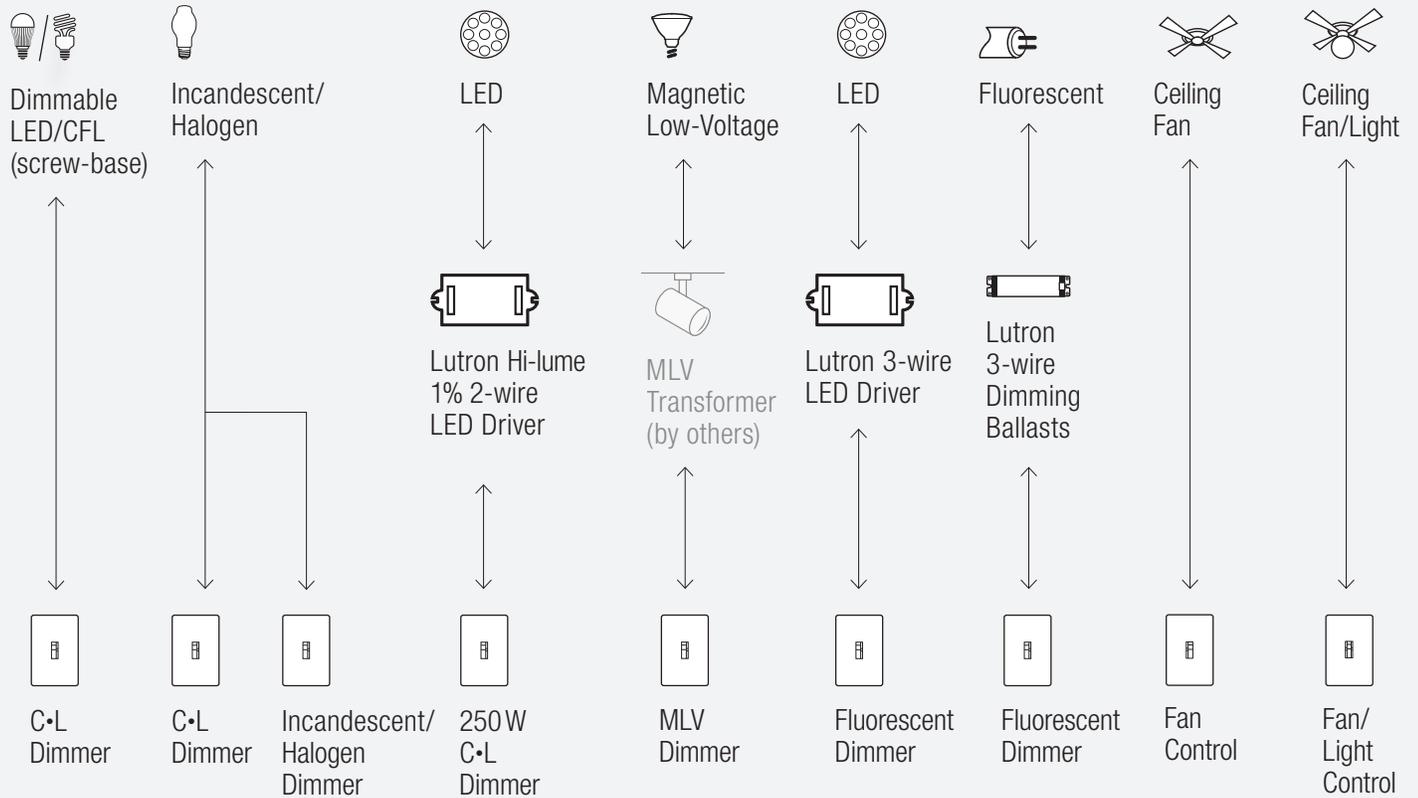
**XX**<sup>1</sup>: Gloss color codes, see p. 81

Wallplates not included. Order separately, see p. 230

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

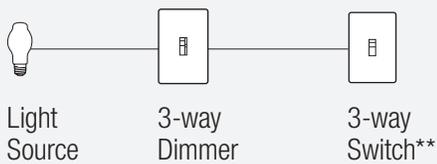
## Connections overview

### Load connections\*

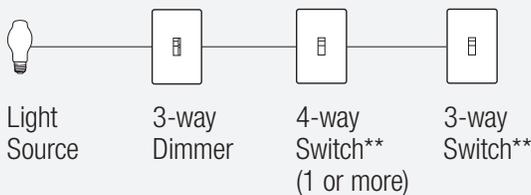
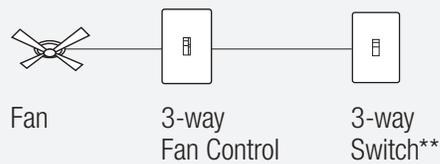


### Control types (for 2 or more locations)

Dim from one location, switch from the others



Fan control from one location, switch from the others



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* For illustration purposes only. Consult model number pages for specific voltage and capacity information.

\*\* For 3-way and 4-way control, use a 3-way dimmer/fan control with mechanical 3-way or 4-way switches.

Accessories

Wallplates

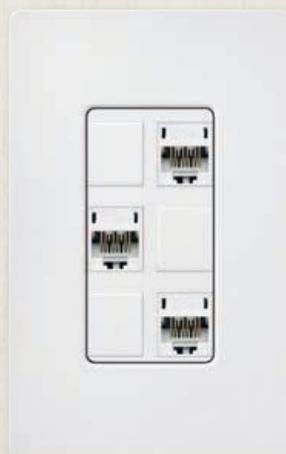


Shown actual size:  
2-gang Fassada wallplate in White (WH).  
For more information about Traditional wallplates, see p. 230.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information about coordinated Designer electrical devices, see pp. 223–226.





Shown actual size: Rotary dimmer and 1-gang Fassada wallplate in White (WH).

### Product family features

- The original electronic dimmer—first patented in 1959
- Easy-turn knob adjusts light to your favorite level
- **eco-dim model available**
- Dual knob dimmer packages available with two finish options
- Coordinating Fassada wallplates only available separately
- Custom engraving available for wallplates, see p. 230

### Control types

-  Single-pole (one location)
-  3-way or 4-way (two or more locations)

### Direct load type compatibility

-  Incandescent/halogen lighting
-  Ceiling fans

Lighting load interfaces are not compatible with this family.

**Available finishes**

Use **BOLD** color code in model number (Example: D-600P-**IV**)

Gloss\*



**WH**  
White



**IV**  
Ivory

\* Coordinating wallplates only available separately. For wallplate information, see p. 230.

### Dimmer with rotate on/off knob



- Rotate on/off; rotate to adjust light level

### Dimmers with push on/off knob



- Push on/off; rotate to adjust light level

#### Incandescent/halogen dimmer

##### Dimmer with rotate on/off knob\*

Single-pole 120V 600W	D-600R- <b>XX</b> <sup>1</sup>
Single-pole 120V 600W	D-600RH-DK <sup>**</sup>

#### Incandescent/halogen dimmers

##### Dimmers with push on/off knob\*

Single-pole 120V 600W	D-600P- <b>XX</b> <sup>1</sup>
Single-pole 120V 600W	D-600PH-DK <sup>**</sup>
3-way 120V 600W	D-603P- <b>XX</b> <sup>1</sup>
3-way 120V 600W	D-603PH-DK <sup>**</sup>

##### eco-dim dimmer<sup>†</sup> with push on/off knob\*

3-way/single-pole 120V 600W	D-603PG- <b>XX</b> <sup>1</sup>
3-way/single-pole 120V 600W	D-603PGH-DK <sup>**</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 89  
Wallplates not included. Order separately, see p. 230

All models must be derated if ganged, unless otherwise noted, see p. 258.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Dual knob dimmer packages include two knobs, one Gloss White and one Gloss Ivory

<sup>†</sup> Maximum light output of 85% guarantees 15% energy savings over standard switches

## Dimmers with push on/off knob and locator light



- Push on/off; rotate to adjust light level
- Includes locator light

## Fan controls with rotate on/off knob



- Rotate on/off; rotate to adjust fan speed
- Quiet 3-speed designed to prevent motor hum (for use with only one ceiling paddle fan)
- Fully variable models also available (for use with multiple ceiling paddle or exhaust fans)

### Incandescent/halogen dimmers

#### Dimmers with push on/off knob and locator light\*

Single-pole 120V 600W	DNG-600P- <b>XX</b> <sup>1</sup>
Single-pole 120V 600W	DNG-600PH-DK**
3-way 120V 600W	DNG-603P- <b>XX</b> <sup>1</sup>
3-way 120V 600W	DNG-603PH-DK**

### Fan controls

#### Fan control with rotate on/off knob— quiet 3-speed

Single-pole 120V 1.5A	FSQ-2F- <b>XX</b> <sup>1</sup>
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No derating required if ganged.

#### Fan controls with rotate on/off knob— fully variable

Single-pole factory set minimum speed 120V 5A	FS-5F- <b>XX</b> <sup>1</sup>
-----------------------------------------------------	-------------------------------

Single-pole user adjustable minimum speed 120V 5A	FS-5E- <b>XX</b> <sup>1</sup>
---------------------------------------------------------	-------------------------------

User adjustable minimum speed control provides an additional wire for switching fan light (360W, incandescent/halogen). Light turns on when fan is on, and off when fan is off.

Fully variable fan controls are commonly known as solid state fan controls.

**XX**<sup>1</sup>: Gloss color codes, see p.89

Wallplates not included. Order separately, see p. 230

All models must be derated if ganged, unless otherwise noted, see p. 258.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

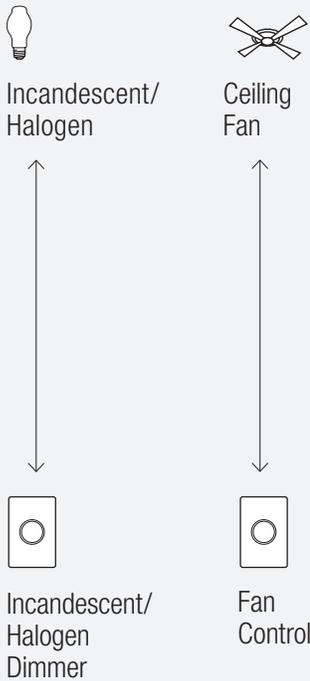
\*\* Dual knob dimmer packages include two knobs, one Gloss White and one Gloss Ivory.

### Replacement knobs

Standard knob	RK- <b>XX</b> <sup>1</sup>
3-speed fan control knob, White	280-324-01
3-speed fan control knob, Ivory	280-324-06

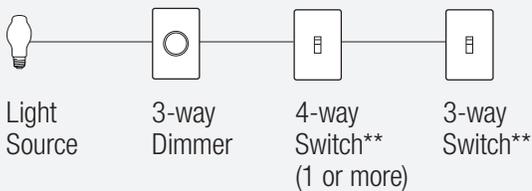
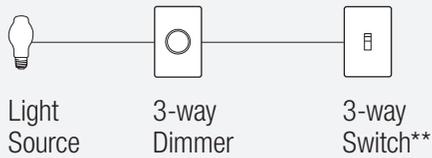
## Connections overview

### Load connections\*



### Control types (for 2 or more locations)

Dim from one location, switch from the others



\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

\*\* For 3-way and 4-way control, use a 3-way dimmer with mechanical 3-way or 4-way switches.

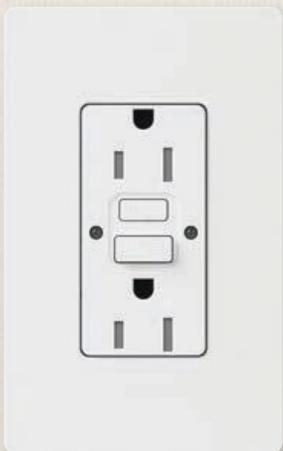
## Accessories

### Wallplates

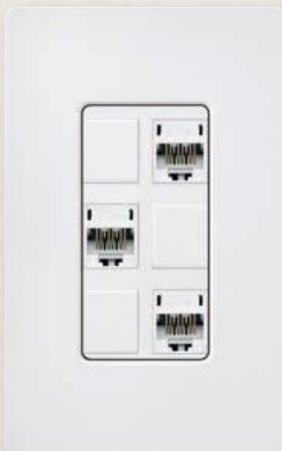


Shown actual size:  
2-gang Fassade  
wallplate in White (WH).  
For more information  
about Traditional wallplates,  
see p. 230.

### Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle

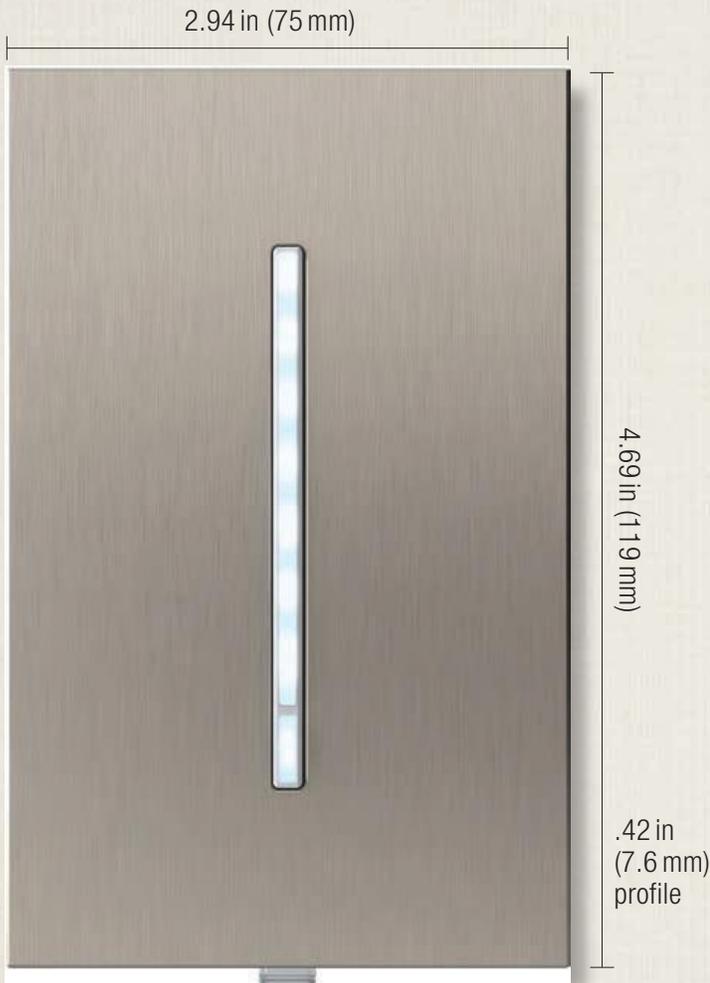


Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.



Shown actual size: GRAFIK T dimmer with a 1-gang New Architectural wallplate in Satin Nickel (SN).



**Product family features**

- Easy-to-use touch control is responsive to the lightest touch and slightest motion
- Intuitive one-touch operation sets the lights exactly where you need them
- Modern architectural design adds distinct style to any space
- Illuminated LED lightbar with softly lit white LEDs indicates the light level
- True multi-location dimming from any location
- C-L and phase selectable models available
- Models available with or without RF wireless technology
- RF models use Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes (see p. 184) and Radio Powr Savr wireless sensors (see pp. 204, 206 and 208)
- Combine up to 10 RF wireless devices (dimmers, switches, sensors and/or wireless remotes)
- RF models communicate at 434 MHz frequency
- Controls come with 1-gang white wallplate; wallplates in additional colors and finishes are available separately
- Custom engraving available for wallplates, see p. 236

**Direct load type compatibility**

- Dimmable LED lighting (screw-base)
- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- LED lighting
- Fluorescent lighting
- Switched lighting/fan/motor

**Load type requiring load interface**

- Neon/cold cathode

Lighting load interfaces may be required for some load types, and capacity combinations. For additional information, see pp. 259–263.

**Control types**

- Single-pole (one location)
- Multi-location (up to 5 locations)
- Wireless multi-location (up to 10 locations)

## Available finishes

### Architectural matte



**WH**  
White

### Architectural matte wallplates\*



**LA**  
Light Almond



**AL**  
Almond



**BE**  
Beige



**IV**  
Ivory



**TP**  
Taupe



**GR**  
Gray



**SI**  
Sienna



**BR**  
Brown



**BL**  
Black

### Architectural metal wallplates\*



**BN**  
Bright Nickel



**BC**  
Bright Chrome



**SC**  
Satin Chrome



**SN**  
Satin Nickel



**QZ**  
Antique Bronze



**BB**  
Bright Brass



**SB**  
Satin Brass



**QB**  
Antique Brass

### Architectural glass wallplate\*



**CWH**  
Clear Glass

\* GRAFIK T dimmers, switches, and companion devices sold in White (WH) only. Additional Architectural matte, metal, and glass wallplates are only sold separately. For wallplate information, see pp. 234–236.

## Touch dimmers



- Touch LED light bar to adjust lights to desired light level
- Slide finger along LED light bar to adjust light level
- Tap toggle button to turn lights off or turn on to previous light level
- Offers delayed fade to off
- Provides reliable dimming of dimmable LEDs

 **Dimmable LED (screw-base) dimmer**

 **Incandescent/halogen dimmer**

150W touch C·L dimmer\*

Single-pole GT-150-WH  
120V 150W (LED), 600W (Inc)

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

-  **Dimmable LED (screw-base) dimmer**
-  **Incandescent/halogen dimmer**
-  **Magnetic low-voltage dimmer**
-  **Hi-lume 1% 2-wire LED driver dimmer**
-  **Tu-Wire fluorescent ballast dimmer**

250W touch C·L dimmer\*

Multi-location/single-pole\*\* GT-250M-WH  
120V 250W (LED), 600W (Inc),  
400 VA/300 W (MLV),  
400W (Hi-lume 1% LED driver, max. 10),  
3.3A (Tu-Wire fluorescent ballast)

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with LED driver and fluorescent ballasts. For more information consult Lutron Application Note #534, GRAFIK T Advanced Programming Mode, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

All models must be derated if ganged, unless otherwise noted, see pp. 250 and 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Neutral wire connection available, not required** (required for fluorescent ballasts and interfaces)

 **Dimmable LED (screw-base) dimmer**

 **Incandescent/halogen dimmer**

 **Magnetic low-voltage dimmer**

 **Electronic low-voltage dimmer**

 **Hi-lume 1% 2-wire LED driver dimmer**

 **Tu-Wire fluorescent ballast dimmer**

### Phase selectable touch dimmer\*

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Multi-location/single-pole\*\* GT-5NEM-WH  
120V 250W (LED), 500W (Inc),  
400VA/300W (MLV),  
500W (ELV),  
400W (Hi-lume 1% LED driver, max. 10),  
3.3A (Tu-Wire fluorescent ballast)

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Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 251 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with a LED driver and fluorescent ballasts. For more information consult Lutron Application Note #534, GRAFIK T Advanced Programming Mode, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

All models must be derated if ganged, unless otherwise noted, see pp. 251 – 253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

## RF touch dimmers



- Uses Lutron Clear Connect radio frequency (RF) technology
- Touch LED light bar to adjust lights to desired light level
- Slide finger along LED light bar to adjust light level
- Tap toggle button to turn lights off or turn on to previous light level
- Offers delayed fade to off
- Provides reliable dimming of dimmable LEDs

 **Dimmable LED (screw-base) dimmer**

 **Incandescent/halogen dimmer**

**150 W RF touch C·L dimmer\***

Single-pole GTJ-150-WH  
120V 150W (LED), 600W (Inc)

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

 **Dimmable LED (screw-base) dimmer**

 **Incandescent/halogen dimmer**

 **Magnetic low-voltage dimmer**

 **Hi-lume 1% 2-wire LED driver dimmer**

 **Tu-Wire fluorescent ballast dimmer**

**250 W RF touch C·L dimmer\***

Multi-location/single-pole\*\* GTJ-250M-WH  
120V 250W (LED), 600W (Inc),  
400 VA/300 W (MLV),  
400W (Hi-lume 1% LED driver, max. 10),  
3.3 A (Tu-Wire fluorescent ballast)

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with LED driver and fluorescent ballasts. For more information consult Lutron Application Note #534, GRAFIK T Advanced Programming Mode, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

All models must be derated if ganged, unless otherwise noted, see pp. 250 and 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Neutral wire connection available, not required** (required for fluorescent ballasts and interfaces)

-  **Dimmable LED (screw-base) dimmer**
-  **Incandescent/halogen dimmer**
-  **Magnetic low-voltage dimmer**
-  **Electronic low-voltage dimmer**
-  **Hi-lume 1% 2-wire LED driver dimmer**
-  **Tu-Wire fluorescent ballast dimmer**

**Phase selectable RF touch dimmer\***

Multi-location/single-pole\*\* GTJ-5NEM-WH  
 120V 250W (LED), 500W (Inc),  
 400VA/300W (MLV),  
 500W (ELV),  
 400W (Hi-lume 1% LED driver, max. 10),  
 3.3A (Tu-Wire fluorescent ballast)

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 251 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with a LED driver and fluorescent ballasts. For more information consult Lutron Application Note #534, GRAFIK T Advanced Programming Mode, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

**Touch electronic switch**



- Touch LED light bar anywhere to toggle load on/off
- Tap toggle button to turn lights off or turn on
- Toggle button is white when on, orange when off

 **Switch**

**Touch electronic switch\***

Multi-location/single-pole\*\* GT-5ANSM-WH  
 120V 5A light, 3A fan (1/10HP)

Rated for incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

All models must be derated if ganged, unless otherwise noted, see pp. 251 – 253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

### RF touch electronic switch



- Uses Lutron Clear Connect radio frequency (RF) technology
- Touch LED light bar anywhere to toggle load on/off
- Tap toggle button to turn lights off or turn on
- Toggle button is white when on, orange when off

### Companion device



- For use with multi-location dimmers and switches (same model), both non-RF and RF models
- When utilized with dimmers provides true dimming from every location

### Companion control

#### Companion device

Companion dimmer/switch 120V	GT-AD-WH
---------------------------------	----------

### Switch

#### RF touch electronic switch\*

Multi-location/ single-pole\*\* GTJ-5ANSM-WH  
120V 5A light, 3A fan (1/10HP)

Rated for incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

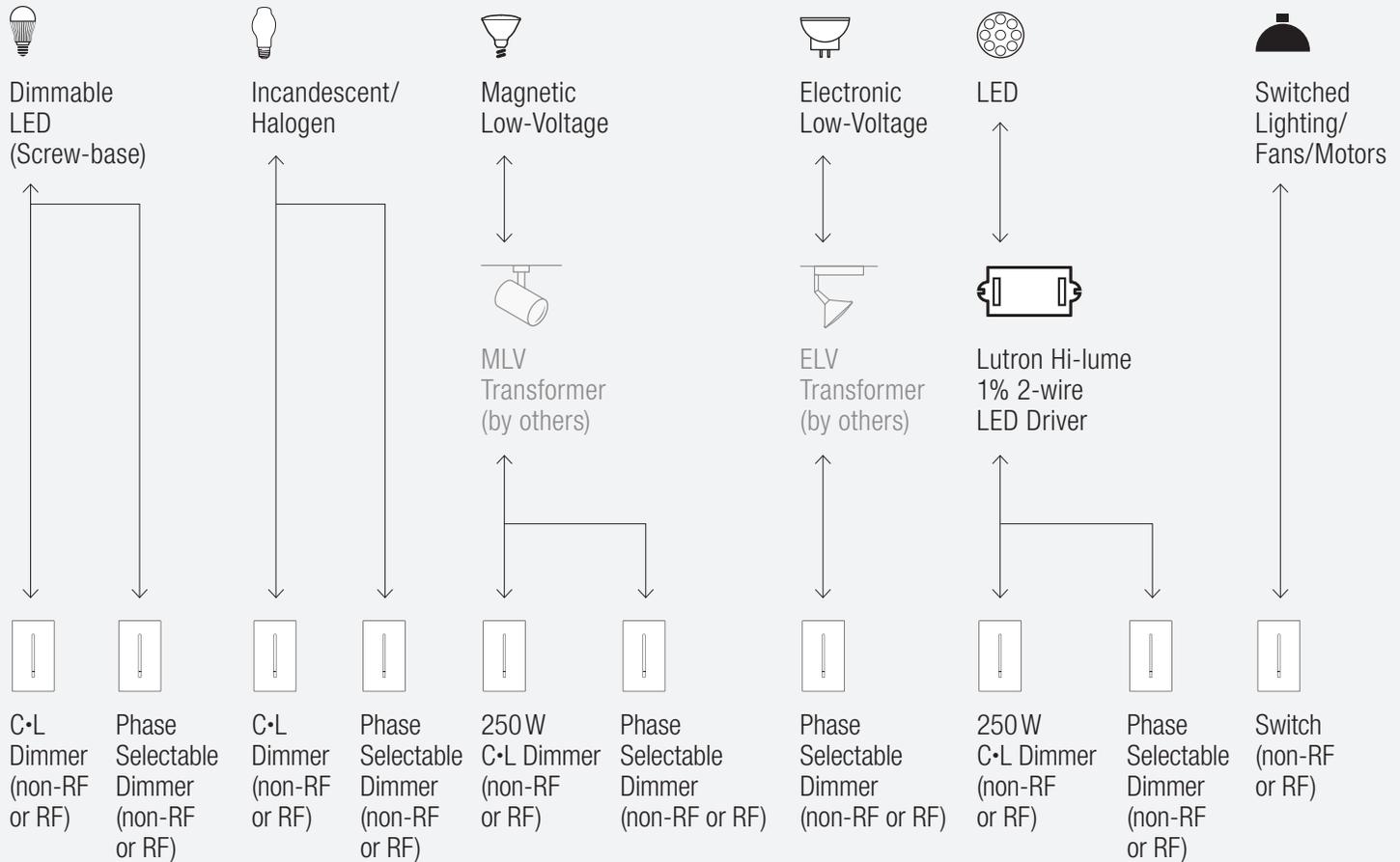
All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

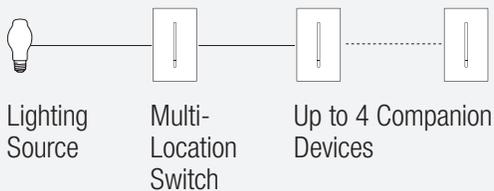
## Connections overview

### Load connections\*

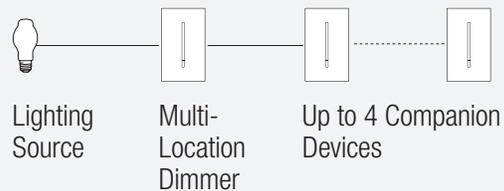


### Control types (for 2 or more locations)

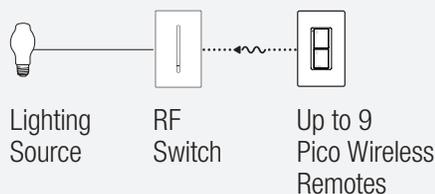
#### Switch from multiple locations (up to 5)



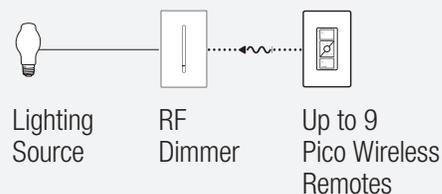
#### Dim from multiple locations (up to 5)



#### Switch wirelessly from multiple locations (up to 10)



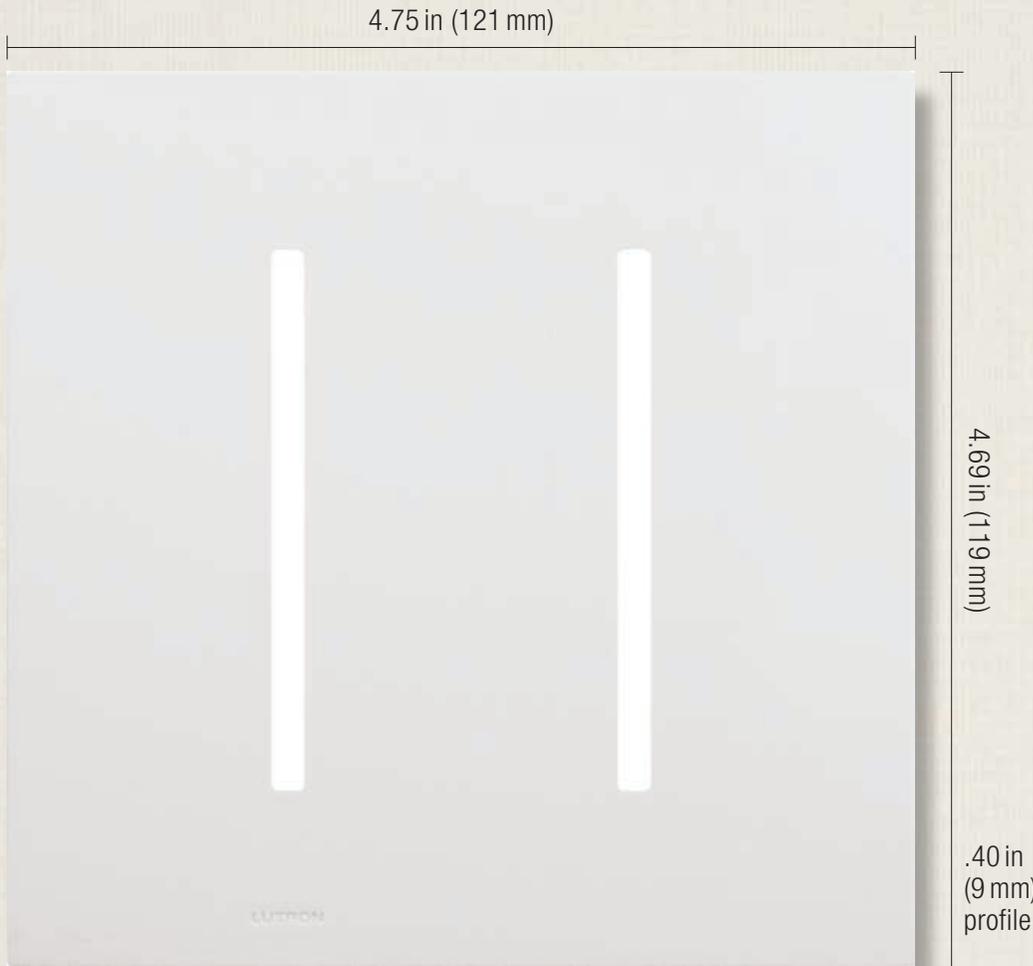
#### Dim wirelessly from multiple locations (up to 10)



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

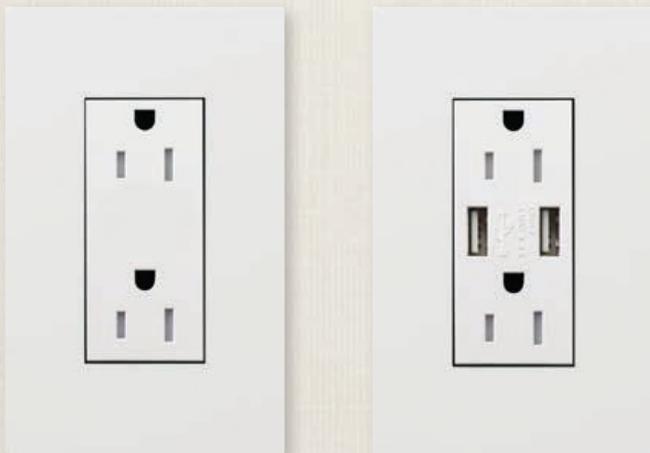
**Accessories**



Shown actual size: 2-gang New Architectural wallplate in White (WH).

For more information about New Architectural wallplates, see pp. 234–236.

**Coordinated electrical devices**



Tamper resistant  
receptacle

Tamper resistant  
USB receptacle

For more information about coordinated New Architectural electrical devices, see p. 237.





Shown actual size: Vareo dimmer in Black (BL) with 1-gang Architectural wallplate in Satin Chrome (SC).

### Product family features

- Exclusive dimmer/switch size opening
- Tapswitch returns light to slider position
- Slide adjusts light to suit any activity
- Sophisticated thin profile
- Coordinating wallplate included with Architectural matte finish controls; metal wallplates only available separately
- Custom engraving and custom coloring available for wallplates, see p. 241

### Control types

-  Single-pole (one location)
-  Multi-location (up to 10 locations)

### Direct load type compatibility

-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Switched lighting

Lighting load interfaces are not compatible with this family.

**Available finishes**

Use **BOLD** color code in model number (Example: V-600-**TP**)

Architectural matte\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**BE**  
Beige



**IV**  
Ivory



**TP**  
Taupe



**GR**  
Gray



**SI**  
Sienna



**BR**  
Brown



**BL**  
Black

Architectural metal wallplates\*\*



**BN**  
Bright Nickel



**BC**  
Bright Chrome



**CLA**  
Clear Anodized  
Aluminum



**SC**  
Satin Chrome



**SN**  
Satin Nickel



**QZ**  
Antique Bronze



**AU**  
Gold Plated



**BB**  
Bright Brass



**BRA**  
Brass Anodized  
Aluminum



**SB**  
Satin Brass



**QB**  
Antique Brass



**BLA**  
Black Anodized  
Aluminum

\* Coordinating wallplate included with Architectural matte controls.

\*\* Metal wallplates only available separately and include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls. For wallplate information, see pp. 240–241.

### Preset dimmers



- Tapswitch turns on/off
- Slide up to brighten, down to dim
- Includes hidden locator light in White, Beige, Ivory, Light Almond, and Taupe models only
- For multi-location control, use up to 9 auxiliary tapswitches

### Electronic tapswitch



- Tapswitch turns lights on/off
- For multi-location control, use up to 9 auxiliary tapswitches

 **Incandescent/halogen dimmers**  
 **Magnetic low-voltage dimmers**

**Preset dimmers\***

Multi-location/single-pole 120V 600W/VA	V-600- <b>XX</b> <sup>1</sup>
Multi-location/single-pole 120V 1000W/VA	V-1000- <b>XX</b> <sup>1</sup>

The stated W (watt) rating is the maximum incandescent lamp load. Ratings for MLV loads represent the maximum of the total lamp wattage plus MLV transformer loss (typically 20%).

 **Switch**

**Electronic tapswitch**

Multi-location/single-pole 120V 1000W/VA	VETS-1000- <b>XX</b> <sup>1</sup>
---------------------------------------------	-----------------------------------

Rated for: incandescent/halogen, magnetic low-voltage, and fluorescent switching with magnetic ballasts.

Not for use with mechanical 3-way or 4-way switches.

No derating required if ganged.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 105 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp.252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

## Auxiliary tapswitch



- Tapswitch turns lights on/off
- Use up to 9 with a single Vareo preset dimmer or tapswitch

### Companion Control

#### Auxiliary tapswitch

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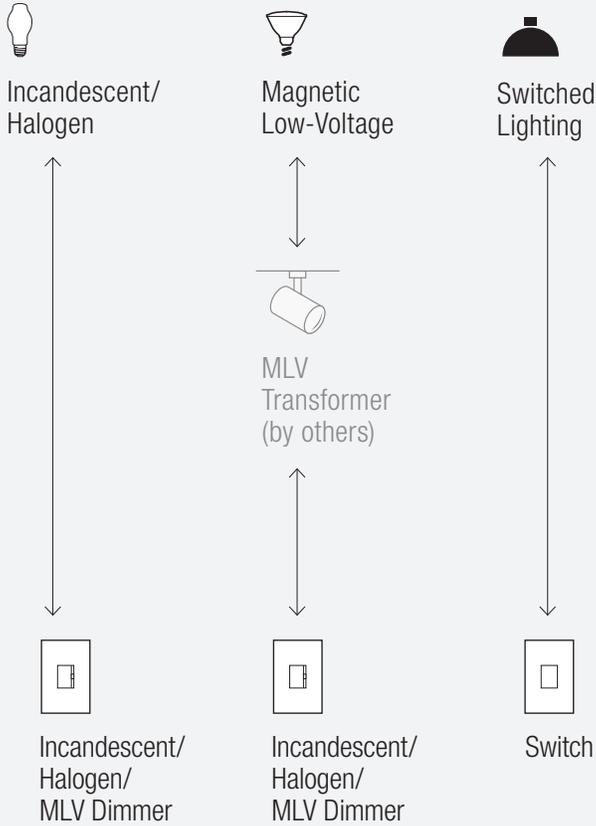
Auxiliary tapswitch	VETS-R- <b>XX</b> <sup>1</sup>
120V	

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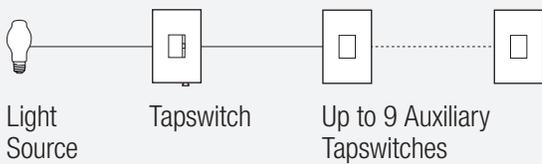
**XX**<sup>1</sup>: Architectural matte color codes, see p. 105  
(1-gang wallplate included)

Connections overview

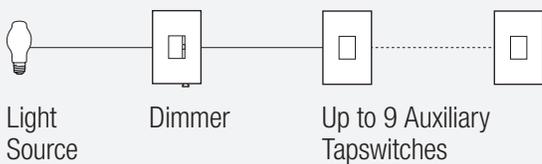
Load connections\*



Control types (for 2 or more locations)  
Switch from multiple locations (up to 10)

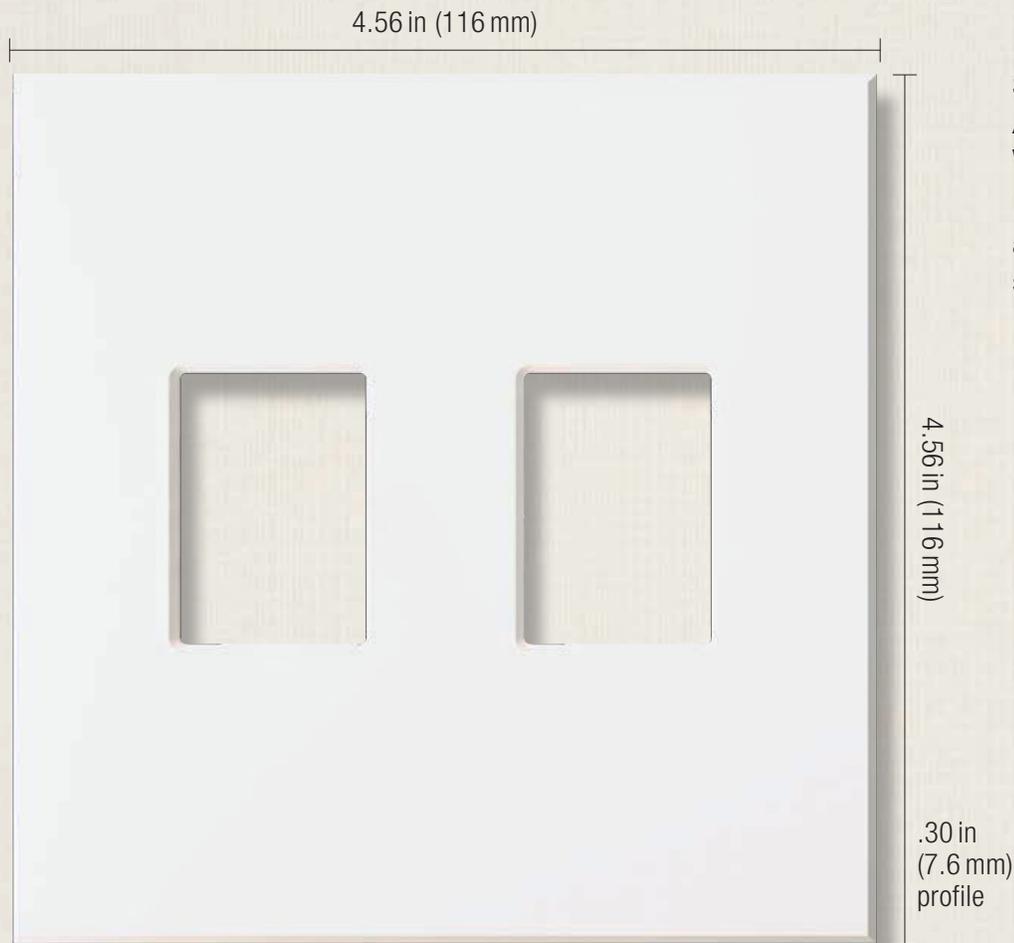


Dim from one location, switch from others (up to 10)



\* For illustration purposes only.  
Consult model number pages for specific  
voltage and capacity information.

Accessories



Shown actual size: 2-gang Architectural wallplate in White (WH).  
For more information about Architectural wallplates, see pp. 240–241.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information about coordinated Architectural electrical devices, see pp. 242–244.



Shown actual size: Nova T☆ dimmer in Black (BL) with 1-gang Architectural wallplate in Clear Anodized Aluminum (CLA).

### Product family features

- Full family of controls plus matching fan controls, switches, and wiring devices
- Exclusive dimmer/switch size opening
- Slide adjusts light to suit any activity
- Classic slider, thin profile design
- Voltage compensation maintains stable light levels, despite line voltage variations
- C•L model available
- Coordinating wallplate included with Architectural matte finish controls; metal wallplates only available separately
- Custom engraving and custom coloring available for wallplates, see p. 241

### Control types

-  Single-pole (one location)
-  3-way or 4-way (two or more locations)

### Direct load type compatibility

-  Dimmable LED/CFL lighting (screw-base)
-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Electronic low-voltage lighting
-  LED lighting
-  Fluorescent lighting
-  Switched lighting/fan/motor
-  Ceiling fans

### Load types requiring load interface

-  Neon/cold cathode lighting

Lighting load interfaces may be applicable for some additional load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

**Available finishes**

Use **BOLD** color code in model number (Example: NT-600-**SI**)

Architectural matte\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**BE**  
Beige



**IV**  
Ivory



**TP**  
Taupe



**GR**  
Gray



**SI**  
Sienna



**BR**  
Brown



**BL**  
Black

Architectural metal wallplates\*\*



**BN**  
Bright Nickel



**BC**  
Bright Chrome



**CLA**  
Clear Anodized  
Aluminum



**SC**  
Satin Chrome



**SN**  
Satin Nickel



**QZ**  
Antique Bronze



**AU**  
Gold Plated



**BB**  
Bright Brass



**BRA**  
Brass Anodized  
Aluminum



**SB**  
Satin Brass



**QB**  
Antique Brass



**BLA**  
Black Anodized  
Aluminum

\* Coordinating wallplate included with Architectural matte controls.

\*\* Metal wallplates only available separately and include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls. For wallplate information, see pp.240–241.

## Slide-to-off dimmers

(small controls)



- Slide up to brighten, down to dim
- Loads from 1000-2000W require large controls, see p. 114
- C•L dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

- 💡/💡 **Dimmable LED/CFL (screw-base) dimmer**
- 💡 **Incandescent/halogen dimmer**
- 🔌 **Electronic low-voltage dimmer**

### Reverse-phase slide-to-off dimmer\*

Single-pole	NTRP-250- <b>XX</b> <sup>1</sup>
120V 250W (LED/CFL), 600W (Inc), 600 (ELV)	

When dimming LEDs/CFLs, only bulbs marked or rated as dimmable with reverse-phase may be used.

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

No low-end trim.

- 💡/💡 **Dimmable LED/CFL (screw-base) dimmer**
- 💡 **Incandescent/halogen dimmer**
- 🌐 **Hi-lume 1% 2-wire LED driver dimmer**

### 250W slide-to-off C•L dimmer\*

Single-pole	NTCL-250- <b>XX</b> <sup>1</sup>
120V 250W (LED/CFL), 1000W (Inc), 400W (Hi-lume 1% LED driver, max 10)	

Visit [lutron.com/LEDs](http://lutron.com/LEDs) for an approved list of dimmable LED bulbs. See p. 251 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

- 💡 **Incandescent/halogen dimmers**  
(small controls)

### Slide-to-off dimmers\*

Single-pole	NT-600- <b>XX</b> <sup>1</sup>
120V 600W	
Single-pole	NT-1000- <b>XX</b> <sup>1</sup>
120V 1000W	

- 🔌 **Magnetic low-voltage dimmers**  
(small controls)

### Slide-to-off dimmers\*

Single-pole	NTLV-600- <b>XX</b> <sup>1</sup>
120V 600VA (450W)	
Single-pole	NTLV-1000- <b>XX</b> <sup>1</sup>
120V 1000VA (800W)	
Single-pole**	NTLV-600-277- <b>XX</b> <sup>1</sup>
277V 600VA (450W)	
Single-pole**	NTLV-1000-277- <b>XX</b> <sup>1</sup>
277V 1000VA (800W)	

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 111 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 250–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

 **Electronic low-voltage dimmers**  
(small controls)

Slide-to-off dimmers<sup>\*,\*\*</sup>

Single-pole 120V 300W	NTELV-300- <b>XX</b> <sup>1</sup>
Single-pole 120V 600W	NTELV-600- <b>XX</b> <sup>1</sup>

 **3-wire LED driver/fluorescent ballast dimmers**  
(small controls)

Slide-to-off dimmers<sup>\*</sup>

Single-pole 120V 16A	NTF-10- <b>XX</b> <sup>1</sup>
Single-pole 277V 8A	NTF-10-277- <b>XX</b> <sup>1</sup>

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and EcoSystem and Hi-lume 3D ballasts.

Adjustable low-end trim.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

No derating required if ganged.

 **0-10V LED/fluorescent fixture dimmer**  
(current sink control)  
(small control)

Slide-to-off dimmer

Single-pole 120/277V 30mA max control current	NTSTV-DV- <b>XX</b> <sup>1</sup>
--------------------------------------------------	----------------------------------

No power pack required.

Dimmer has maximum capacity of 8A load or 30mA 0–10V sink, limited by whichever rating is achieved first. Power pack (PP-DV) may be used for loads over 8A.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

No derating required if ganged.

 **Tu-Wire fluorescent ballast dimmers**  
(small controls)

Slide-to-off dimmers

Single-pole 120V 5A	NTFTU-5A- <b>XX</b> <sup>1</sup>
Single-pole <sup>*</sup> 277V 5A	NTFTU-5A-277- <b>XX</b> <sup>1</sup>

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 111 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

<sup>\*</sup> Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

<sup>\*\*</sup> **Requires neutral wire connection**

## Slide-to-off dimmers

(large controls)



- Higher capacity dimmers require larger heat sink behind wallplate
- Slide up to brighten, down to dim
- Measures 4.56 in x 4.56 in
- Requires large wallplate
- Most can fit in a 1-gang electrical backbox

## Preset dimmers

(small controls)



- Button turns on/off to slider level
- Slide up to brighten, down to dim
- Loads from 1000-1500 watts require large controls, see p. 115

### Incandescent/halogen dimmers (large controls)

#### Slide-to-off dimmers\*

Single-pole 120V 1500W	NT-1500- <b>XX</b> <sup>1</sup>
Single-pole 120V 1950W	NT-2000- <b>XX</b> <sup>1</sup>

NT-2000 dimmers must be ganged with no fins broken.

NT-2000 requires a 2-gang electrical backbox.

### Magnetic low-voltage dimmer (large control)

#### Slide-to-off dimmer\*

Single-pole 120V 1500VA (1200W)	NTLV-1500- <b>XX</b> <sup>1</sup>
------------------------------------	-----------------------------------

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 111 (1-gang wallplate included)

### Incandescent/halogen dimmers (small controls)

#### Preset dimmers\*

3-way/single-pole 120V 600W	NT-603P- <b>XX</b> <sup>1</sup>
3-way/single-pole 120V 1000W	NT-1003P- <b>XX</b> <sup>1</sup>

### Magnetic low-voltage dimmers (small controls)

#### Preset dimmers\*

3-way/single-pole 120V 600VA (450W)	NTLV-603P- <b>XX</b> <sup>1</sup>
3-way/single-pole 120V 1000VA (800W)	NTLV-1003P- <b>XX</b> <sup>1</sup>

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

 **3-wire LED driver/fluorescent ballast dimmers**  
(small controls)

**Preset dimmers\***

3-way 120V 8A	NTF-103P- <b>XX</b> <sup>1</sup>
3-way 277V 6A	NTF-103P-277- <b>XX</b> <sup>1</sup>

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and EcoSystem and Hi-lume 3D ballasts.

Adjustable low-end trim.

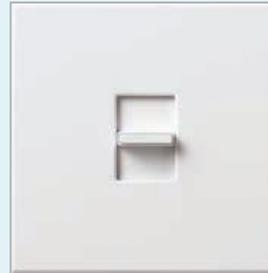
For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

To control lights from multiple-locations, use a 3-way dimmer with NT-3PS- and NT-4PS- or other mechanical switches.

No derating required if ganged.

**Preset dimmers**

(large controls)



- Higher capacity dimmers require larger heat sink behind wallplate
- Button turns on/off to slider level
- Slide up to brighten, down to dim
- Measures 4.56 in x 4.56 in
- Requires large wallplate
- Most can fit in a 1-gang electrical backbox



**Incandescent/halogen dimmer**

(large control)

**Preset dimmer\*\***

3-way/single-pole 120V 1500W	NT-1503P- <b>XX</b> <sup>1</sup>
---------------------------------	----------------------------------

**XX**<sup>1</sup>: Architectural matte color codes, see p. 111 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

\* **Requires neutral wire connection**

\*\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

## Linear-slide mechanical switches

(small controls)



- Slide up to on, down to off
- Works with all load types

## Slide-to-off fan controls

(small controls)



- Slide up to increase speed/ on; down to decrease speed/off
- Quiet 3-speed model designed to prevent motor hum (for use with only one ceiling paddle fan)
- Fully variable model also available (for use with multiple ceiling paddle or exhaust fans)
- Higher capacity loads require large controls, see p. 117

### General purpose switches

(small controls)

#### Linear-slide mechanical switches

Single-pole 120/277V 20A	NT-1PS- <b>XX</b> <sup>1</sup>
3-way 120/277V 20A	NT-3PS- <b>XX</b> <sup>1</sup>
4-way 120/277V 20A	NT-4PS- <b>XX</b> <sup>1</sup>

Rated for incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans and motor loads

For 3-way and 4-way switching, use NT-3PS-, NT-4PS- or other mechanical switches.

No derating required if ganged.

### Fan controls (small controls)

#### Slide-to-off fan control—quiet 3-speed

Single-pole 120V 1.5A	NTFSQ- <b>XX</b> <sup>1</sup>
--------------------------	-------------------------------

For use with only one ceiling fan.  
No derating required if ganged.

#### Slide-to-off fan control—fully variable

Single-pole 120V 6A	NTFS-6E- <b>XX</b> <sup>1</sup>
------------------------	---------------------------------

Control provides an additional wire for switching fan light (360W, incandescent/halogen). Light turns on when fan is on, and off when fan is off.

Fully variable fan with controls are commonly known as solid state fan controls.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 111 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

## Slide-to-off fan control

(large control)



- Slide up to increase speed/on, down to decrease speed/off
- Fully variable for use with multiple ceiling paddle or exhaust fans
- Higher capacity controls require larger heat sink behind wallplate
- Measures 4.56 in x 4.56 in
- Requires large wallplate
- Fits in a 1-gang electrical backbox

### ✂ Fan control

(large control)

#### Slide-to-off fan control—fully variable

Single-pole	NTFS-12E- <b>XX</b> <sup>1</sup>
120V 12A	

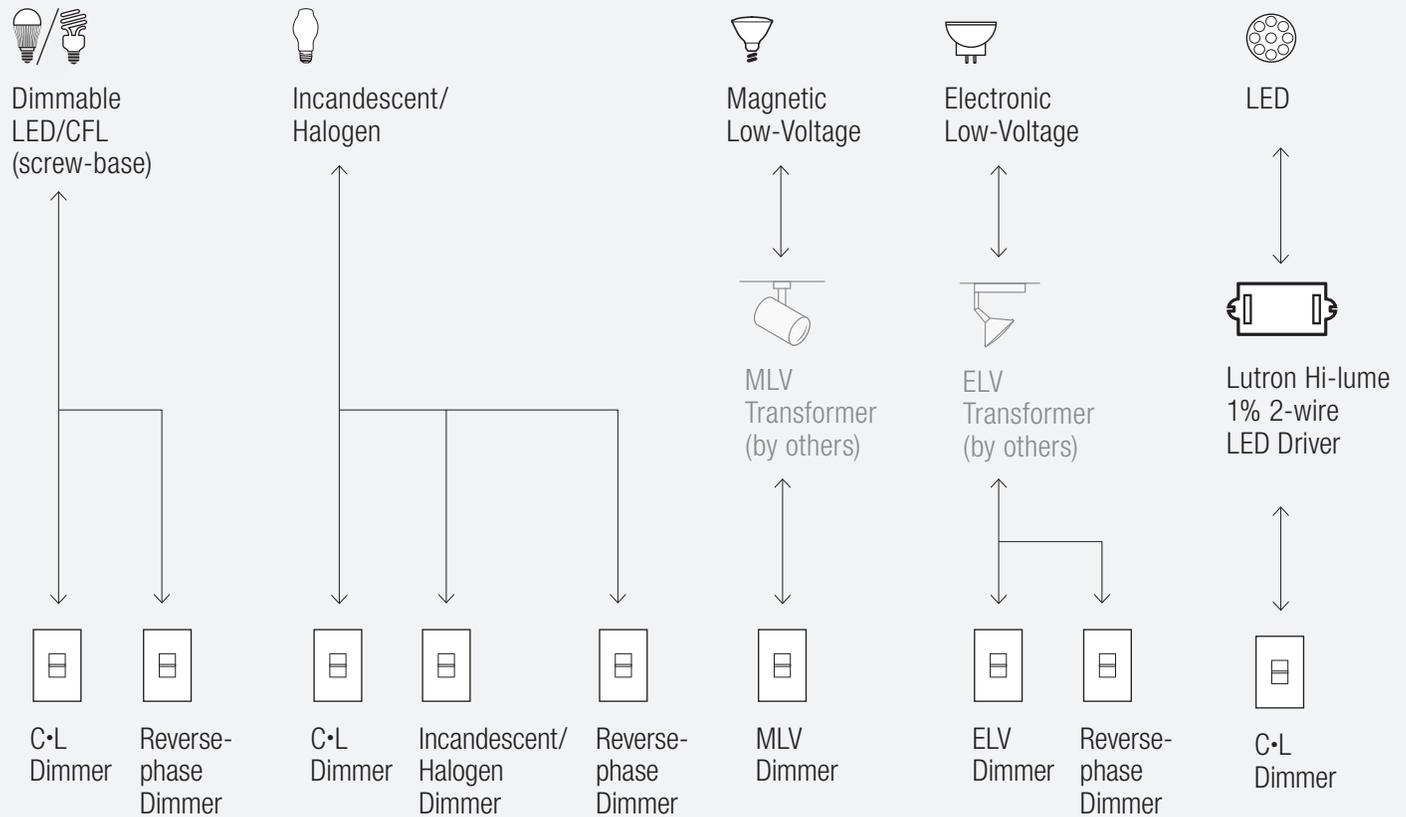
Fully variable fan controls are commonly known as solid state fan controls.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 111 (1-gang wallplate included)

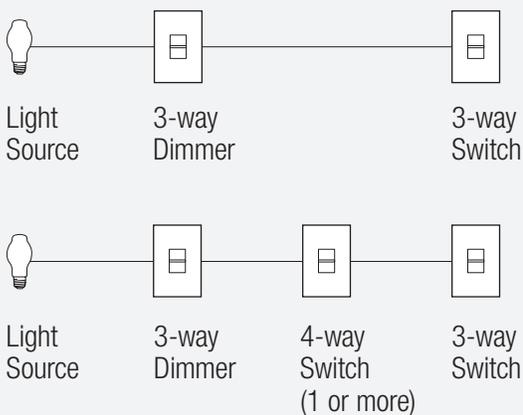
All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

**Connections overview**

**Load connections\***



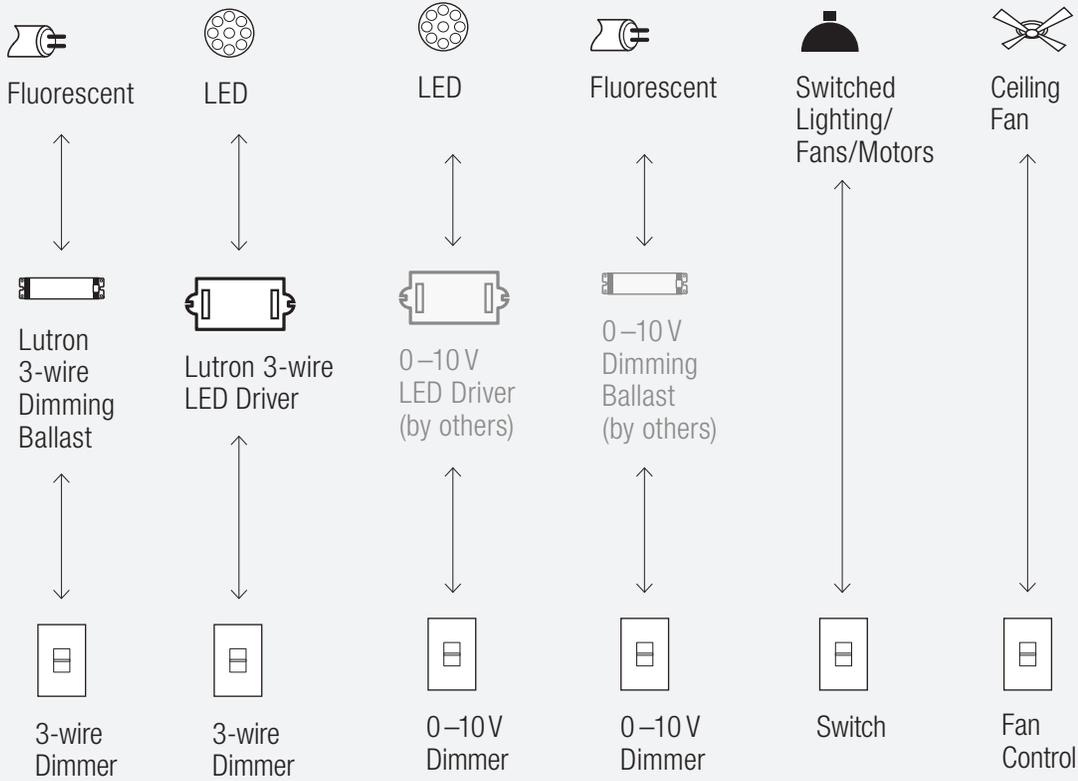
**Control types (for 2 or more locations)**  
Dim from one location, switch from the others



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

Load connections\* (continued)

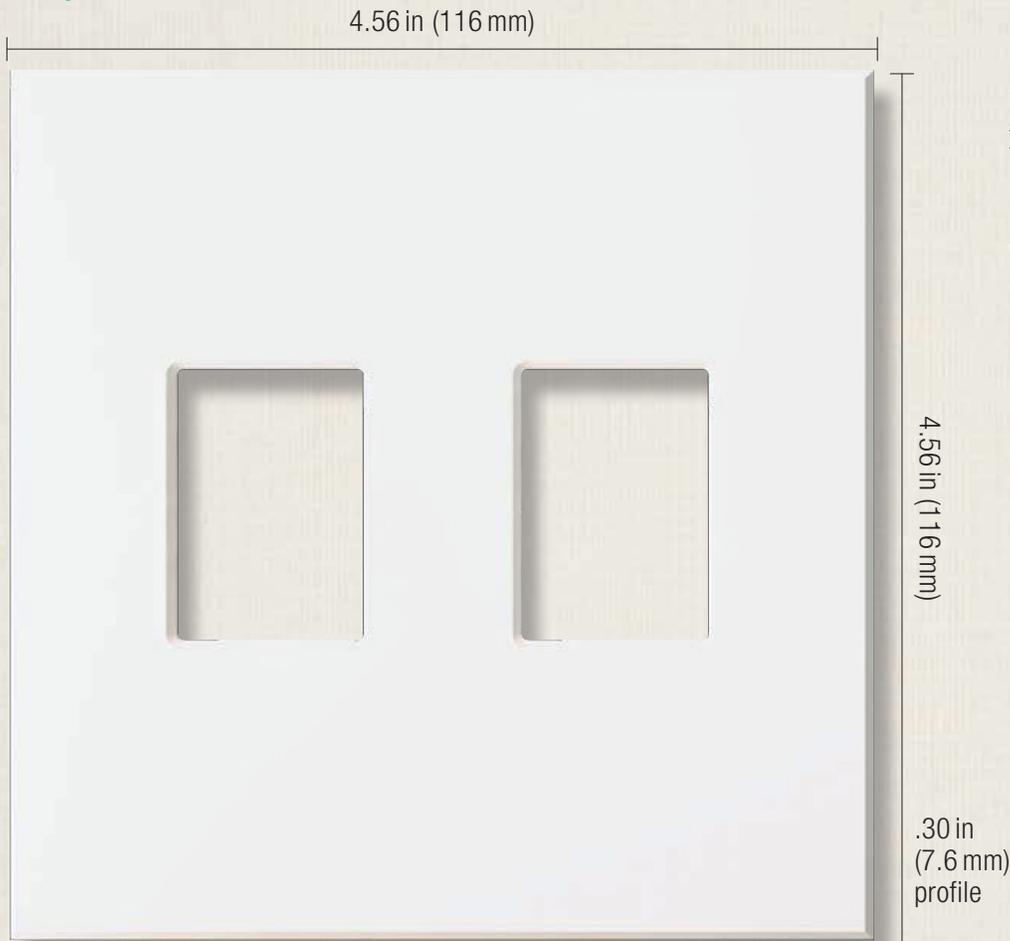


For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

## Accessories

### Wallplates



Shown actual size: 2-gang Architectural wallplate in White (WH).

For more information about Architectural wallplates, see pp.240–241.

### Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information about coordinated Architectural electrical devices, see pp.242–244.





Shown actual size: Nova dimmer and 1-gang Architectural wallplate in White (WH).

### Product family features

- Slider adjusts light to suit any activity
- Full family of controls plus matching fan controls, switches, and accessories
- Original thick profile does not fit flush against the wall; for thinner profile, see Nova T☆ on p. 110
- Does not mount with Nova T☆ under common wallplate
- Coordinating wallplate included with control
- Custom engraving and custom coloring available for wallplates, see p. 241

### Control types

-  Single-pole (one location)
-  3-way or 4-way (two or more locations)

### Direct load type compatibility

-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Neon/cold cathode lighting
-  LED lighting
-  Fluorescent lighting

### Load types requiring load interface

-  Electronic low-voltage lighting

Lighting load interfaces may be applicable for some load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

**Available finishes**

Use **BOLD** color code in model number (Example: N-600-**BE**)

Architectural matte\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**BE**  
Beige



**IV**  
Ivory



**TP**  
Taupe



**GR**  
Gray



**SI**  
Sienna



**BR**  
Brown



**BL**  
Black

\* Coordinating wallplate included with all finishes.

## Slide-to-off dimmers

(small controls)



- Slide up to brighten, down to dim
- Standard size dimmer shown
- Higher capacity loads require large controls, see p. 126

## Incandescent/halogen dimmers

(small controls)

### Slide-to-off dimmers\*

Single-pole	N-600- <b>XX</b> <sup>1</sup>
120V 600W	

Single-pole	N-1000- <b>XX</b> <sup>1</sup>
120V 1000W	

## Magnetic low-voltage dimmer

### Neon/cold cathode dimmer

(small control)

### Slide-to-off dimmer<sup>\*,\*\*</sup>

Single-pole	NLV-600- <b>XX</b> <sup>1</sup>
120V 600VA (450W)	

For more information on neon/cold cathode dimming, consult Lutron Application Note #25, Neon/Cold Cathode Dimming Applications, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 123 (1-gang wallplate included)

## **3-wire LED driver/fluorescent ballast dimmer**

(small control)

### Slide-to-off dimmer\*

Single-pole	NF-10- <b>XX</b> <sup>1</sup>
120V 16A	

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and EcoSystem and Hi-lume 3D ballasts.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

Adjustable low-end trim.

No derating required if ganged.

## **0-10V LED/fluorescent fixture dimmer**

(current sink control – power pack required)

(small control)

### Slide-to-off dimmer

Single-pole	NFTV- <b>XX</b> <sup>1</sup>
30mA max control current	

Control provides dimming signal only. For dimming with on/off switching, **use with Lutron power pack**: PP-DV, or PP-347H.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

No derating required if ganged.

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

 **Tu-Wire fluorescent ballast dimmer**

(small control)

Slide-to-off dimmer

Single-pole 120V 5A	NFTU-5A- <b>XX</b> <sup>1</sup>
------------------------	---------------------------------

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

 **Magnetic fluorescent ballast dimmer**

(small control)

Slide-to-off dimmer

Single-pole (small) 120V 10 lamps	NF-10- <b>XX</b> <sup>1</sup>
--------------------------------------	-------------------------------

For best fluorescent dimming performance and reliability, Lutron strongly recommends using EcoSystem electronic dimming ballasts and appropriate controls.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 123  
(1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

## Slide-to-off dimmers

(large controls)



- Higher capacity dimmers require larger heat sink behind wallplate
- Slide up to brighten, down to dim
- Measures 4.56 in x 4.56 in
- Requires large wallplate
- Fit in a 1-gang electrical backbox

## Incandescent/halogen dimmers

(large controls)

### Slide-to-off dimmers\*

Single-pole 120V 1500W	N-1500- <b>XX</b> <sup>1</sup>
Single-pole 120V 2000W	N-2000- <b>XX</b> <sup>1</sup>

## Magnetic low-voltage dimmers

### Neon/cold cathode dimmers

(large controls)

### Slide-to-off dimmers\*\*

Single-pole 120V 1000 VA (800W)	NLV-1000- <b>XX</b> <sup>1</sup>
Single-pole 120V 1500 VA (1200W)	NLV-1500- <b>XX</b> <sup>1</sup>

For more information on neon/cold cathode dimming consult Lutron Application Note #25, Neon/Cold Cathode Dimming Applications, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

## 3-wire LED driver/fluorescent ballast dimmer

(large control)

### Slide-to-off dimmer\*\*

Single-pole 277V 8A	NF-10-277- <b>XX</b> <sup>1</sup>
------------------------	-----------------------------------

For use with Hi-lume 1% and Hi-lume Premier 0.1% LED drivers, and EcoSystem and Hi-lume 3D ballasts.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

Adjustable low-end trim.

No derating required if ganged.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 123 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Requires neutral wire connection

 **Magnetic fluorescent ballast dimmers**

(large controls)

**Slide-to-off dimmers\***

Single-pole 120V 20 lamps	NF-20- <b>XX</b> <sup>1</sup>
Single-pole 120V 30 lamps	NF-30- <b>XX</b> <sup>1</sup>
Single-pole 277V 10 lamps	NF-10-277- <b>XX</b> <sup>1</sup>
Single-pole 277V 20 lamps	NF-20-277- <b>XX</b> <sup>1</sup>

For best fluorescent dimming performance and reliability, Lutron strongly recommends using EcoSystem electronic dimming ballasts and appropriate controls.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 123  
(1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp.252–253.

\* **Requires neutral wire connection**

## Preset dimmers

(small controls)



- Button turns on/off to slider level
- Slide up to brighten, down to dim
- Standard size dimmer shown
- Higher capacity loads require large controls, see p. 129

## 3-wire LED driver/fluorescent ballast dimmers

(small controls)

### Preset dimmers\*\*

3-way/single-pole 120V 8 A	NF-103P- <b>XX</b> <sup>1</sup>
-------------------------------	---------------------------------

3-way/single-pole 277V 6A	NF-103P-277- <b>XX</b> <sup>1</sup>
------------------------------	-------------------------------------

For use with Hi-lume Premier 0.1% and Hi-lume 1% LED drivers, and EcoSystem and Hi-lume 3D ballasts.

Adjustable low-end trim.

For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

No derating required if ganged.

## Incandescent/halogen dimmers

(small controls)

### Preset dimmers\*

3-way/single-pole 120V 600W	N-603P- <b>XX</b> <sup>1</sup>
--------------------------------	--------------------------------

3-way/single-pole 120V 1000W	N-1003P- <b>XX</b> <sup>1</sup>
---------------------------------	---------------------------------

## Magnetic low-voltage dimmers

(small controls)

### Preset dimmers\*

3-way/single-pole 120V 600 VA (450W)	NLV-603P- <b>XX</b> <sup>1</sup>
-----------------------------------------	----------------------------------

3-way/single-pole 120V 1000 VA (800W)	NLV-1003P- <b>XX</b> <sup>1</sup>
------------------------------------------	-----------------------------------

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 123 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 252–253.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Requires neutral wire connection

### Preset dimmers

(large controls)



- Higher capacity dimmers require larger heat sink behind wallplate
- Button turns on/off to slider level
- Slide up to brighten, down to dim
- Measures 4.56in x 4.56in
- Requires large wallplate
- Fit in a 1-gang electrical backbox

### Magnetic low-voltage dimmers (large controls)

#### Preset dimmers\*

3-way/single-pole 120V 1500VA (1200W)	NLV-1503P- <b>XX</b> <sup>1</sup>
3-way/single-pole 120V 2000VA (1600W)	NLV-2003P- <b>XX</b> <sup>1</sup>

The stated VA (volt-ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

### Incandescent/halogen dimmers (large controls)

#### Preset dimmers\*

3-way/single-pole 120V 1500W	N-1503P- <b>XX</b> <sup>1</sup>
3-way/single-pole 120V 2000W	N-2003P- <b>XX</b> <sup>1</sup>

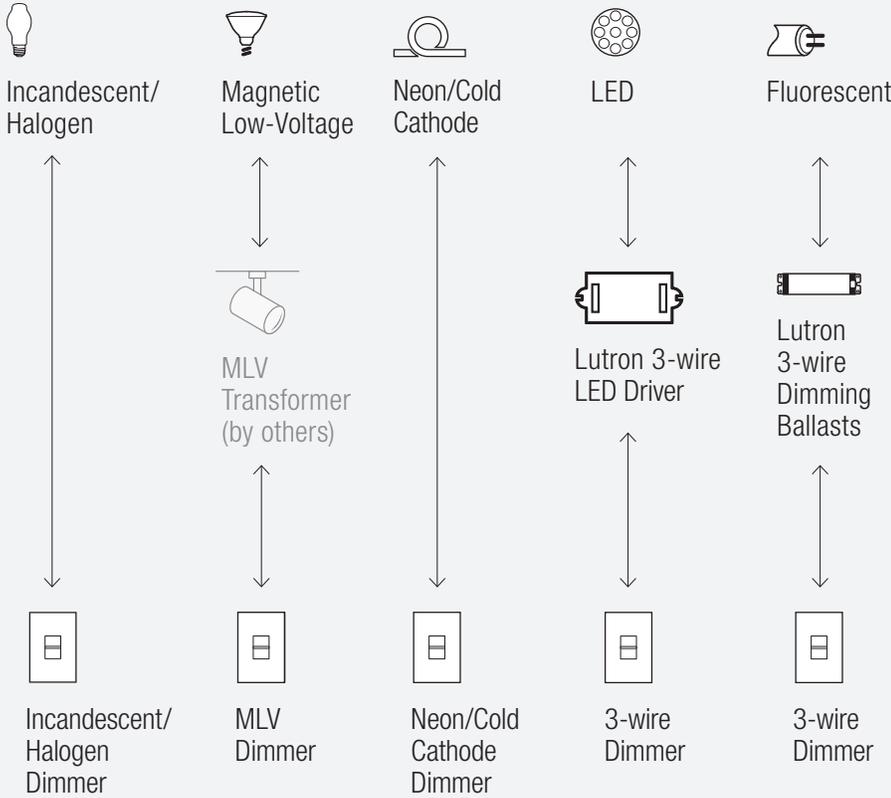
**XX**<sup>1</sup>: Architectural matte color codes, see p. 123 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp.252–253.

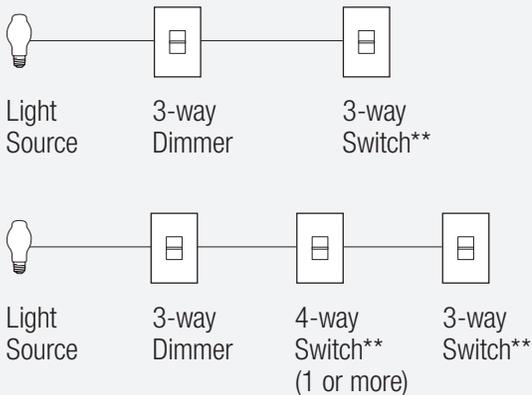
\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

**Connections overview**

**Load connections\***



**Control types (for 2 or more locations)**  
Dim from one location, switch from the others



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).  
Nova T☆ (p. 110) and Nova (p. 122) have different profile depths.

\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

\*\* For 3-way and 4-way control, use a 3-way dimmer with NT-3PS- and NT-4PS- or other mechanical switches.

Accessories

Wallplates

4.56 in (116 mm)



Shown actual size: Custom Architectural 2-gang Nova wallplate in White (WH).

For information about Nova multi-gang wallplates, visit [lutron/custommultigang.com](http://lutron/custommultigang.com).

4.56 in (116 mm)

.65 in (16.5 mm)  
profile including  
wallplate and  
base unit

Coordinated electrical devices



Tamper resistant self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

For more information about coordinated Architectural electrical devices, see p. 242–244.



Shown actual size: Centurion dimmer and 1-gang wallplate in White (WH).

### Product family features

- Rotary style dimmer with captive knob
- Voltage compensation maintains stable light levels, despite line voltage variations
- Gangable without removing side sections and reducing wattage
- Original thick profile does not fit flush against the wall, visible heat sink; for thinner profile see Nova T☆ on p. 110
- Coordinating wallplate included with control

### Control types

- 🔌 Single-pole (one location)

### Direct load type compatibility

- 💡 Incandescent/halogen lighting

Lighting load interfaces are not compatible with this family.

### Available finishes

Use **BOLD** color code in model number (Example: C-1500-**BE**)

Architectural matte



**WH**  
White



**BE**  
Beige

## Rotary dimmers

(large controls)



- Higher capacity dimmers require larger heat sink behind wallplate
- Rotate or push on/off (depending on model), rotate to adjust light level
- Measures 4.56 in x 4.56 in
- Requires large wallplate
- Fits in a 1-gang electrical backbox



## Incandescent/halogen dimmers

(large controls)

### Rotary dimmers\*

Single-pole 120V 1500W	C-1500- <b>XX</b> <sup>1</sup>
Single-pole 120V 2000W	C-2000- <b>XX</b> <sup>1</sup>

Multi-gang wallplates are not available.

When ganging controls, mount single-gang wallplates side-by-side. Not gangable with other dimmer families.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 132 (1-gang wallplate included)

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

## Connections overview

### Load connections\*



Incandescent/  
Halogen



Incandescent/  
Halogen  
Dimmer

Nova T<sup>☆</sup> (p. 110) and Centurion (p. 132) have different profile depths.

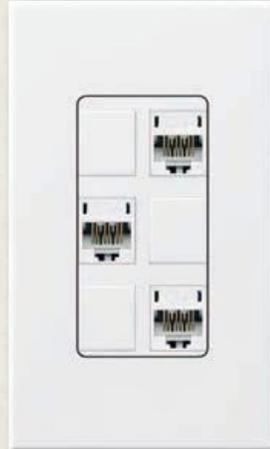
\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

Accessories

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



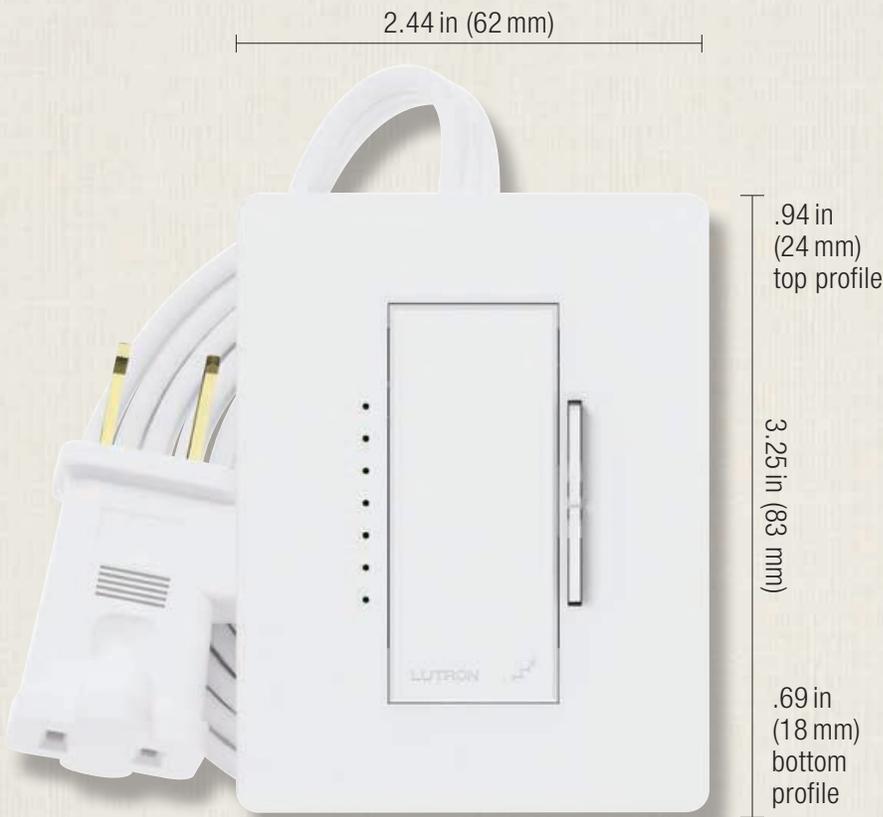
Customizable 6-port frame



Cable jack

For more information about coordinated Architectural electrical devices, see pp. 242–244.

# Plug-in controls | **Maestro Wireless** lamp dimmer



## Product family features

- Uses Lutron reliable Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes (see p. 184) and Radio Powr Savr wireless sensors (see pp.204, 206 and 208).
- Combine up to 10 wireless devices (dimmers, switches, sensors, and/or wireless remotes)
- Button presses associate the dimmer with Radio Powr Savr sensors and Pico wireless remotes
- For use with table and floor lamps only
- Easy to install, requires no wiring tools
- Tabletop control functions like a standard Maestro Wireless dimmer (see p. 32)
- Cord is 6 ft (1.8 m) long
- Communicates at 434 MHz frequency

Shown actual size: Maestro Wireless tabletop lamp dimmer in White (WH).

## Direct load type compatibility

-  Incandescent/halogen lighting

## Available finishes

Use **BOLD** color code in model number  
(Example: MRF2-3LD-**BL**)

Matte

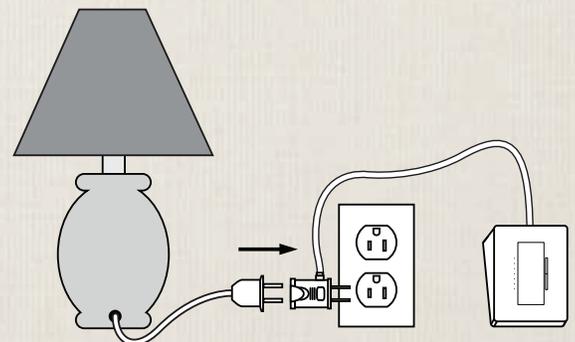


**WH**  
White



**BL**  
Black

## Installation



## Plug-in wireless tabletop lamp dimmer



- Incorporates advanced Maestro dimmer features such as fade on/fade off, delayed long fade off, and rapid full on
- Tap on the preset level; tap off; tap twice for full on
- Touch rocker to adjust light level

### **Incandescent/halogen lamp dimmer**

#### Plug-in wireless tabletop lamp dimmer

Single-pole

MRF2-3LD-**XX**<sup>1</sup>

120V 300W

**XX**<sup>1</sup>: Matte color codes, see p. 136



Shown above: 1-receptacle PowPak dimming module in White (WH).

## Available finishes

Use **BOLD** color code in model number  
(Example: MRF2-3PD-3-**BL**)

Matte finishes



**WH**  
White



**BL**  
Black

## Product family features

- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes (see p. 184) and Radio Powr Savr wireless sensors (see pp.204, 206 and 208).
- Combine up to 10 wireless devices (dimmers, switches, sensors, and/or wireless remotes)
- Easy to install, requires no wiring tools
- Available in 1- or 3-receptacle models
- Button presses associate the module with Radio Powr Savr sensors and Pico wireless remotes
- Male plug on 24 in (610mm) cord
- Female receptacle on 6 in (150mm) cord
- Communicates at 434 MHz frequency

## Direct load type compatibility

PowPak dimming module (dimming mode)

💡 Incandescent/halogen lighting

PowPak dimming module (switching mode)

💡 Incandescent/halogen lighting

💡/💡 CFL/LED lighting (screw-base)

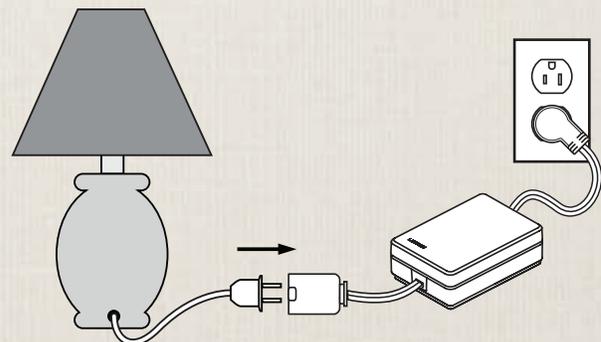
💡 Magnetic low-voltage lighting

🔌 Electronic low-voltage lighting

PowPak appliance module

🔌 General purpose

## Installation



### Plug-in dimming modules



- Functions much like standard lamp dimmers, and incorporates advanced features such as fade on/fade off, delayed long fade off, and rapid full on
- Can be converted into a switching module for control of other lighting loads

### Plug-in appliance modules



- Switches up to 15A of general purpose load (1/2HP motor load)
- Features Lutron patented Softswitch technology to prevent the relay contacts from arcing, extending the average life of the switch to 1,000,000 operations

#### Incandescent/halogen dimming modules

##### Plug-in dimming modules\*

1-receptacle cord	MRF2-3PD-1- <b>XX</b> <sup>1</sup>
120V 300W	
3-receptacle cord	MRF2-3PD-3- <b>XX</b> <sup>1</sup>
120V 300W	

#### Switching modules

##### Plug-in appliance modules

1-receptacle cord	MRF2-15APS-1- <b>XX</b> <sup>1</sup>
120V 15A (1/2HP motor)	
3-receptacle cord	MRF2-15APS-3- <b>XX</b> <sup>1</sup>
120V 15A (1/2HP motor)	

**XX**<sup>1</sup>: Matte color codes, see p. 138

\* Minimum load required, see product specification for specifics

# Plug-in controls | **Credenza** lamp dimmer



## Product family features

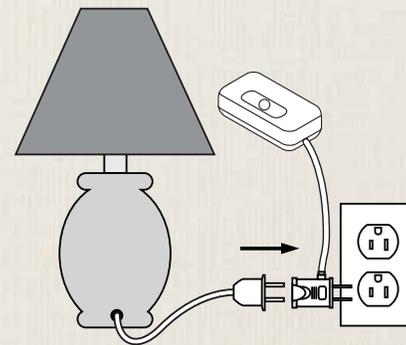
- Convenient full range dimmers for table and floor lamps
- Allows use of a standard light bulb instead of costly 3-way bulbs
- Easy to install, requires no wiring tools
- **C•L and eco-dim models available**
- Models with locator light have LED that glows softly
- Cord is 6 ft (1.8m) long

## Direct load type compatibility

-  Dimmable LED/CFL lighting (screw-base)
-  Incandescent/halogen lighting

Shown actual size: Credenza lamp dimmer in White (WH).

## Installation



## Available finishes

Use **BOLD** color code in model number (Example: TT-300NLH-**BR**)

Gloss



**WH**  
White

**BR**  
Brown

**BL**  
Black

### Plug-in lamp dimmer



- Slide up to on/brighten, down to dim/off
- C-L dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- Requires no wiring or tools

### Plug-in lamp dimmer with locator light



- Slide up to on/brighten, down to dim/off
- Includes red LED locator light, eco-dim model has green indicator light
- Requires no wiring or tools

 **Dimmable LED/CFL (screw-base) lamp dimmer**

 **Incandescent/halogen lamp dimmer**  
**Plug-in C-L lamp dimmer**

Single-pole	TTCL-100H- <b>XX</b> <sup>1</sup>
120V 100W (CFL/LED),	
250W (Inc)	

Visit [www.lutron.com/compatibility](http://www.lutron.com/compatibility) for an approved list of dimmable LED bulbs.

 **Incandescent/halogen lamp dimmer**

Plug-in lamp dimmer

Single-pole	TT-300H- <b>XX</b> <sup>2</sup>
120V 300W	

 **Incandescent/halogen lamp dimmer**

Plug-in lamp dimmer

Single-pole	TT-300NLH- <b>XX</b> <sup>1</sup>
120V 300W	

**Plug-in eco-dim lamp dimmer\***

Single-pole	TT-300NLGH- <b>XX</b> <sup>1</sup>
120V 300W	

**XX**<sup>1</sup>: Gloss color codes, see p. 140

**XX**<sup>2</sup>: Available in Gloss White (WH) and Brown (BR)

\* Maximum light output of 85% guarantees 15% energy savings over standard switches

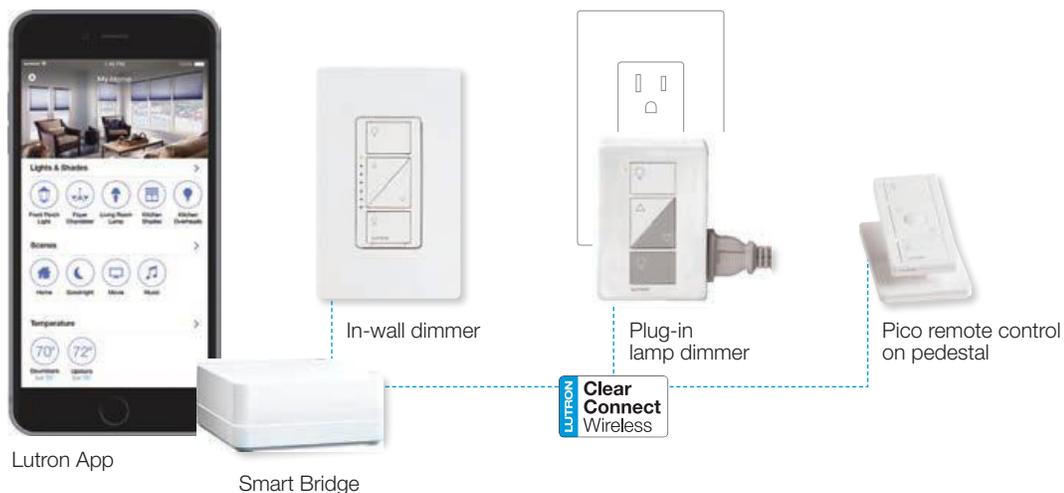


## Why choose Caséta Wireless?

Smartphones and tablets have been adopted at a rapid pace, and homeowners are making these devices their new point of control. Caséta Wireless provides simple, affordable, and reliable control of lights, shades, and temperature from anywhere.

## A truly scalable solution

- Start by installing Caséta Wireless dimmers and a Pico remote for simple connected control
- Add the Smart Bridge and FREE Lutron App for control from your smart device
- Expand the system at any time to an entire room or the whole home



## An easier 3-way

- Dimmer does not require neutral
- Mount remote on any surface – without cutting holes
- No wiring necessary for remote

### Step 1

Install Caséta Wireless dimmer



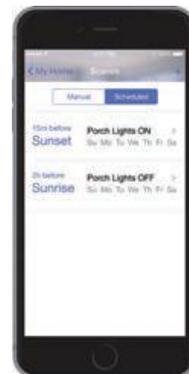
### Step 2

Mount Pico remote



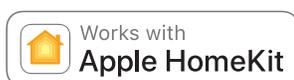
## A smarter timer

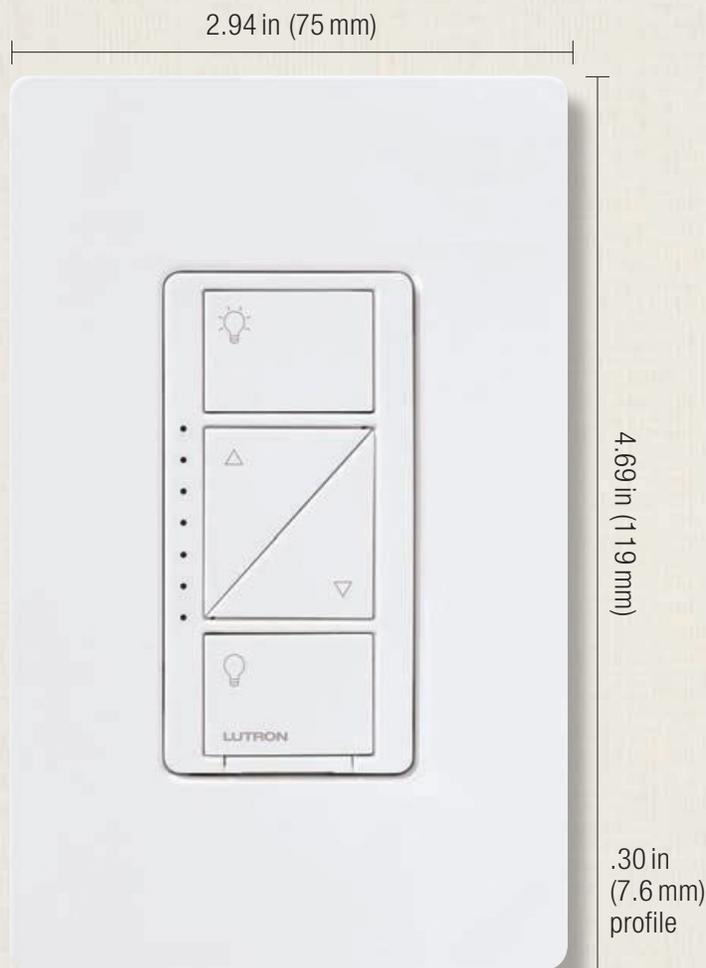
- Set timer once and never have to reset it again
- Timer schedules automatically adjust when seasons change
- No reprogramming for daylight saving or power outages



## Provide integrated solutions

Caséta Wireless integrates with the most popular connected home devices to provide a complete smart home solution.





Shown actual size: Caséta Wireless in-wall dimmer and 1-gang Claro wallplate in White (WH).

### Control types

-  Single-pole (one location)
-  3-way (2 locations)
-  Wireless multi-location (up to 11 locations)

### Product family features

- Control your lights from anywhere
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes (see p. 184), Radio Powr Savr wireless occupancy/vacancy sensors\* (see pp. 204 and 206), and Smart Bridges (see p. 156)
- **C-L models available**
- Control and schedule lights from the Lutron App when paired with a Smart Bridge
- Use Pico wireless remotes for additional dimmers/switches in multi-location applications
- Communicates at 434 MHz frequency
- Coordinating Claro wallplates only available separately
- Custom engraving available for wallplates, see p. 223

### Direct load type compatibility

-  Dimmable LED/CFL lighting (screw-base)
-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Electronic low-voltage lighting
-  LED lighting
-  Fluorescent lighting
-  Switched lighting/fan/motor

### Load type requiring load interface

-  Neon/cold cathode lighting

Lighting load interfaces may be required for some load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

\* Radio Powr Savr wireless occupancy/vacancy sensors work with Caséta Wireless dimmers and switches in standalone applications only. Sensors do not work with Smart Bridge or Smart Bridge PRO.

**Available finishes**

Use **BOLD** color code in model number (Example: PD-6WCL-**WH**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**IV**  
Ivory



**BL**  
Black

Metal wallplate\*\*



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp.222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see pp.222–223.

## Wireless in-wall dimmers



- Simple, intuitive design with on, off, and raise/lower buttons
- Provides true dimming from each location with Pico wireless remotes
- Offers reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- PRO and ELV+ models work with magnetic low-voltage lighting, and are compatible with Lutron 2-wire forward phase LED drivers, Tu-Wire fluorescent ballasts and load interfaces; ELV+ models also work with electronic low-voltage lighting



### Wireless in-wall C•L dimmer\* with Pico wireless remote and wallplate†

Multi-location**/single-pole	P-PKG1W-WH
120V 150W (LED/CFL), 600W (Inc)	

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

### Wireless in-wall C•L dimmer\* with Pico wireless remote, wallplate, and Smart Bridge†

Multi-location**/single-pole	P-BDG-PKG1W
120V 150W (LED/CFL), 600W (Inc)	

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

### Two wireless in-wall C•L dimmers\* with two Pico wireless remotes, two tabletop pedestals, two wallplates, and Smart Bridge†

Multi-location**/single-pole	P-BDG-PKG2W
120V 150W (LED/CFL), 600W (Inc)	

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

### Dimmable LED/CFL (screw-base) dimmer

#### Incandescent/halogen dimmer

##### Wireless in-wall C•L dimmer\*

Multi-location**/single-pole	PD-6WCL- <b>XX</b> †
120V 150W (LED/CFL), 600W (Inc)	

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

**XX**!: Gloss color codes, see p. 145

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [www.lutron.com/faq](http://www.lutron.com/faq) for more information

\*\* For multi-location applications, replace additional switches with Pico wireless remotes

† Packages available in White only

**Wireless in-wall C-L dimmer\*** with Pico wireless remote, wallplate, and Smart Bridge PRO\*\*

Multi-location†/ P-BDGPRO-PKG1W  
single-pole  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p.250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

 **Dimmable LED (screw-base) dimmer**

 **Incandescent/halogen dimmer**

 **Magnetic low-voltage dimmer**

 **Hi-lume 1% 2-wire LED driver dimmer**

 **Tu-Wire fluorescent ballast dimmer**

**Wireless in-wall dimmer PRO\*††**

Multi-location†/3-way‡/ PD-10NXD-**XX**<sup>1</sup>  
single-pole  
120V 250W (LED), 1000W (Inc),  
1000VA/800W (MLV),  
520W (Hi-lume 1% LED driver, max. 13),  
5A (Tu-Wire fluorescent ballast)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p.251 to calculate wattage when mixing lamp types.  
Adjustable low-end trim.

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with LED drivers and fluorescent ballasts. For more information visit [casetawireless.com/lowend](http://casetawireless.com/lowend).

All models must be derated if ganged unless otherwise noted, see pp. 250–251 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Packages available in White only

† For multi-location applications, replace additional switches with Pico wireless remotes

†† **Neutral wire connection available, not required** (required for LED drivers, fluorescent ballasts, and interfaces)

‡ Works with standard mechanical 3-way switch

**XX**<sup>1</sup>: Gloss color codes, see p. 145

Wallplates not included. Order separately, see pp. 222–223

-  **Dimmable LED (screw-base) dimmer**
-  **Incandescent/halogen dimmer**
-  **Magnetic low-voltage dimmer**
-  **Electronic low-voltage dimmer**
-  **Hi-lume 1% 2-wire LED driver dimmer**
-  **Tu-Wire fluorescent ballast dimmer**

**Wireless in-wall ELV+ dimmer<sup>\*,\*\*</sup>**

Multi-location<sup>†</sup>/single-pole PD-5NE-**XX**<sup>1</sup>  
 120V 250W (LED), 500W (Inc),  
 400VA/300W (MLV),  
 500W (ELV),  
 400W (Hi-lume 1% LED driver, max. 20),  
 3.3A (Tu-Wire fluorescent ballast)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p.251 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with LED drivers and fluorescent ballasts. For more information visit [casetawireless.com/lowend](http://casetawireless.com/lowend).

## Wireless in-wall electronic switches



- Offers large on and off buttons
- 2-wire switch ideal for retrofit applications
- Neutral wire switch ideal for higher wattages and lower minimum loads

### **Switches**

**Wireless in-wall electronic switch<sup>\*,\*\*</sup>**

Multi-location<sup>†</sup>/3-way<sup>††</sup>/single-pole PD-6ANS-**XX**<sup>1</sup>  
 120V 6A light, 3.6A (1/4HP) fan

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, fluorescents, CFLs, LEDs, and general purpose fans.

**Wireless in-wall electronic switch PRO<sup>\*</sup>**

Multi-location<sup>†</sup>/3-way<sup>††</sup>/single-pole PD-5WS-DV-**XX**<sup>1</sup>  
 120/277V 5A light, 3A fan

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, fluorescents, CFLs, LEDs, and general purpose fans.

All models must be derated if ganged unless otherwise noted, see pp. 251 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

† For multi-location applications, replace additional switches with Pico wireless remotes

†† Works with standard mechanical 3-way switch

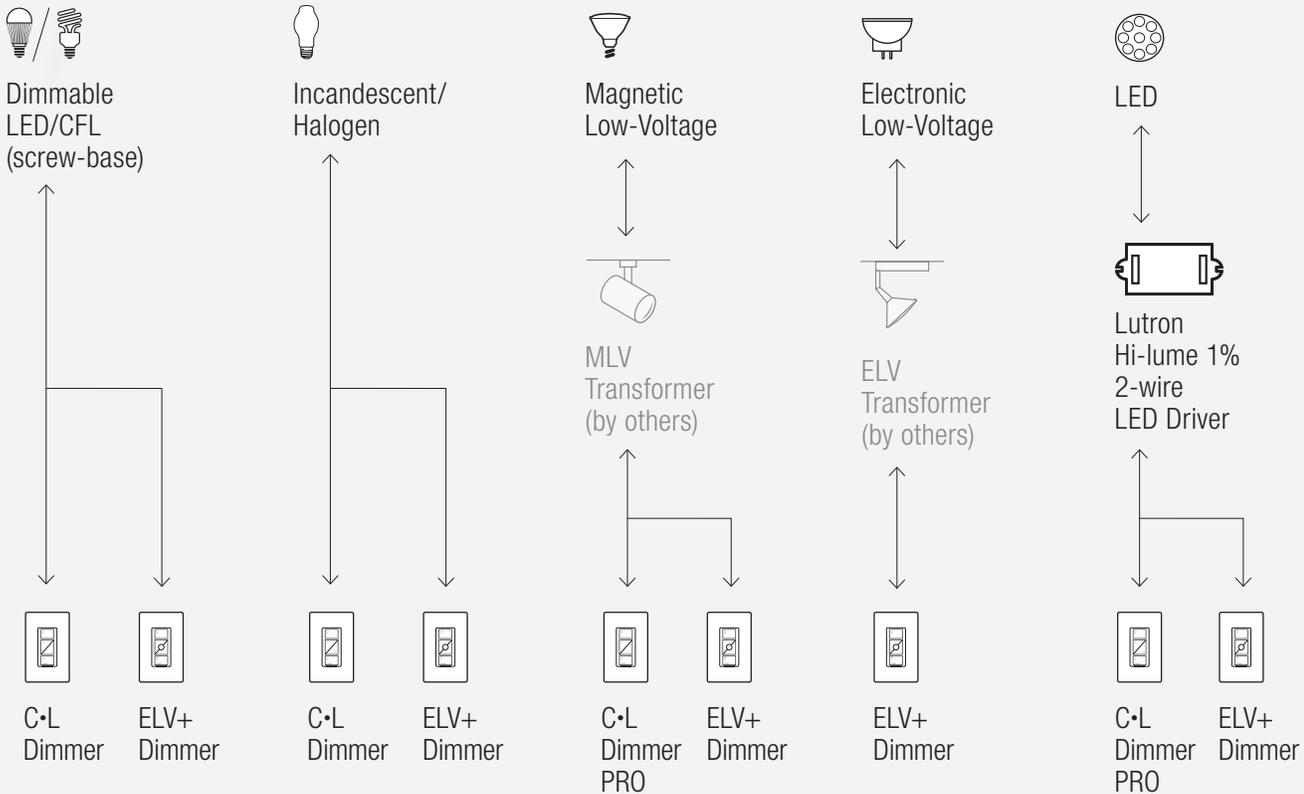
**XX<sup>1</sup>**: Gloss color codes, see p. 145

Wallplates not included. Order separately, see pp. 222–223



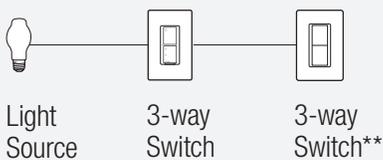
## Connections overview

### Load connections\*

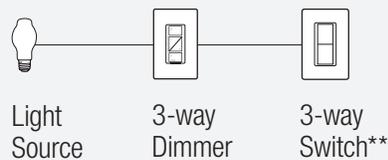


### Control options (for 2 or more locations)

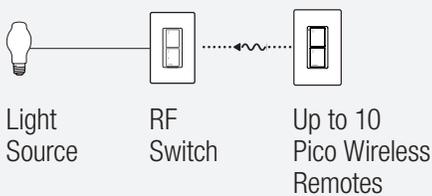
#### Switch from two locations



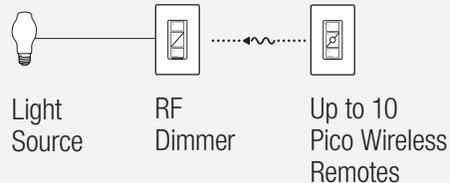
#### Dim from one location, switch from other



#### Switch wirelessly from multiple locations (up to 11)



#### Dim wirelessly from multiple locations (up to 11)



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* For illustration purposes only.

Consult model number pages for specific voltage and capacity information.

\*\* For 3-way control, use a 3-way dimmer or switch with a mechanical 3-way switch

**Load connections\*** (continued)



Switched  
Lighting/  
Fans/Motor



Switch

\* **For illustration purposes only.**  
Consult model number pages for specific  
voltage and capacity information.

**Accessories**

**Wallplates**

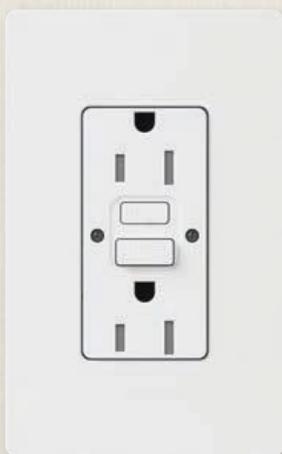
4.75 in (121 mm)



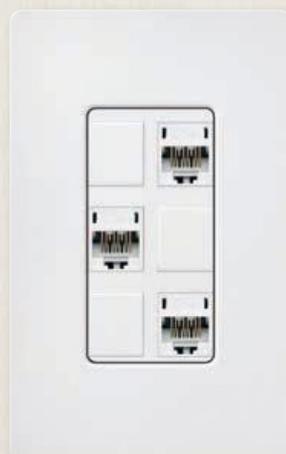
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

**Coordinated electrical devices**



Tamper resistant, self-testing GFCI receptacle



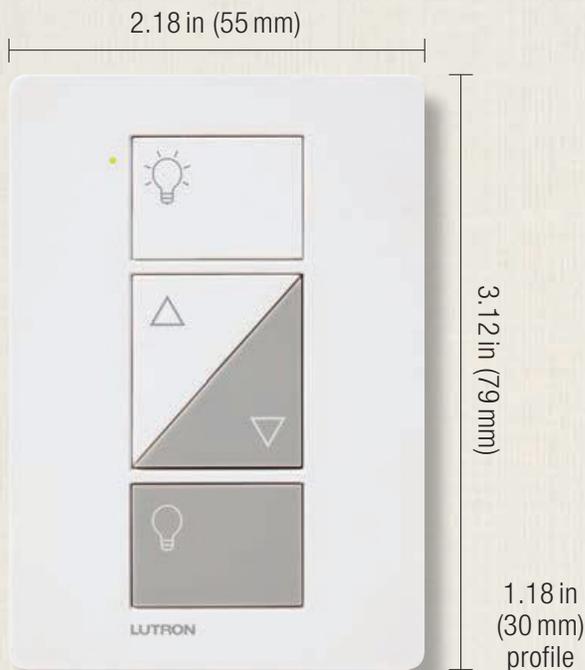
Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.





Shown actual size: Caséta Wireless plug-in lamp dimmer in White (WH).

## Product family features

- Control your lights from anywhere
- For use with table and floor lamps only
- Easy to install, requires no wiring tools
- Dual-receptacles allows control of two lamps together
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes (see p. 184), Radio Powr Savr wireless occupancy/vacancy sensors\* (see pp. 204 and 206) and Smart Bridges (see p. 156)
- **C-L model available**
- Can be converted to a switch for control of other lighting loads
- Control and schedule lights from the Lutron App when paired with a Smart Bridge
- Communicates at 434 MHz frequency

## Direct load type compatibility

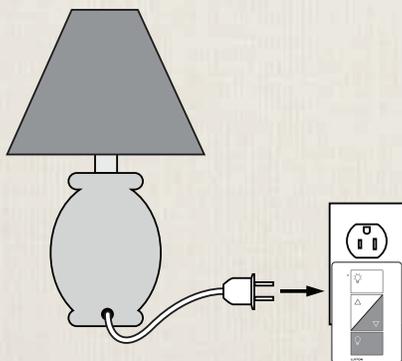
### Dimming mode

- Dimmable LED/CFL (screw-base) lighting
- Incandescent/halogen lighting

### Switching mode

- LED/CFL (screw-base) lighting
- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting

## Installation



\* Radio Powr Savr wireless occupancy/vacancy sensors work with Caséta Wireless dimmers and switches in standalone applications only. Sensors do not work with Smart Bridge or Smart Bridge PRO.

## Wireless plug-in lamp dimmer



- Features two receptacles for simultaneous control of two lamps
- Simply plugs into a standard wall receptacle for easy installation
- Provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- Can be converted to a switch for control of other lighting loads

### Wireless plug-in C•L lamp dimmer with Pico wireless remote and Smart Bridge\*

Single-pole P-BDG-PKG1P  
120V 100W (LED/CFL),  
300W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs.

### Two wireless plug-in C•L lamp dimmers with two tabletop pedestals, two Pico wireless remotes, and Smart Bridge\*

Single-pole P-BDG-PKG2P  
120V 100W (LED/CFL),  
300W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs.

### **Dimmable LED/CFL (screw-base) lamp dimmer**

#### **Incandescent/halogen lamp dimmer**

##### Wireless plug-in C•L lamp dimmer

Single-pole PD-3PCL-WH  
120V 100W (LED/CFL),  
300W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs.

##### Wireless plug-in C•L lamp dimmer with Pico wireless remote\*

Single-pole P-PKG1P-WH  
120V 100W (LED/CFL),  
300W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs.

\* Packages available in White only



Shown actual size: Lutron Smart Bridge and App

\* HomeKit requires an iPhone, iPad, or iPod touch with iOS 8.1 or later. Controlling HomeKit-enabled accessories from home also requires an Apple TV (third generation or later) with Apple TV software 7.0 or later.

## Product family features

- Allows for setup, control, and monitoring of Caséta Wireless devices and Lutron wireless shades from a smartphone, tablet, or wearable
- Supports Apple HomeKit\* technology, which allows Caséta Wireless devices and Lutron wireless shades to be controlled by Siri
- Smart Bridge uses Lutron reliable Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Caséta Wireless dimmers and switches, Pico wireless remotes, and Lutron wireless shades
- Smart Bridge supports up to 50 wireless devices (dimmers, switches, thermostats, remotes and/or shades); the Smart Bridge counts as one device
- Lutron App provides:
  - Scene control
  - Timeclock scheduling of daily events
  - System access from anywhere in the world
  - Geofencing support
- Lutron App is required for programming and use of Smart Bridge—compatible with iOS (7.0 or later) and Android (4.1 or later) devices
- Lutron App is compatible with other connected home solutions, such as smart thermostats and audio systems. For a full list visit [casetawireless.com/integration](http://casetawireless.com/integration).
- Smart Bridge connects to Wi-Fi router via Ethernet (3 ft cable included); local device operation will continue to function if internet connection is lost
- Smart Bridge PRO model supports Serena and Sivoia QS Triathlon shades, and integration with select A/V and security systems
- Smart Bridge communicates at 434 MHz frequency and has an RF range of 30 ft (9m) through walls and floors to other RF devices
- Smart Bridge requires 120V source for 5V DC adapter (included)
- Smart Bridge available in White

### Smart Bridge



- Supports up to 50 wireless devices
- Connects to Wi-Fi router via Ethernet
- Supports Siri and HomeKit technology, and Serena shades

#### Smart Bridge

Smart Bridge L-BDG2-WH  
with HomeKit technology

### Smart Bridge PRO



- Supports up to 50 wireless devices
- Connects to Wi-Fi router via Ethernet
- Supports Siri and HomeKit technology, and Serena and Sivoia QS wireless shades
- Allows integration with select A/V and security systems

#### Smart Bridge PRO

Smart Bridge PRO L-BDGPRO2-WH  
with HomeKit technology

Smart Bridge PRO with three Pico wireless remotes for audio, two single Pico pedestals, Pico wallbox adapter, and wallplate\*

Smart Bridge PRO P-BDGPRO-PKG3AW  
with HomeKit technology

### Lutron App



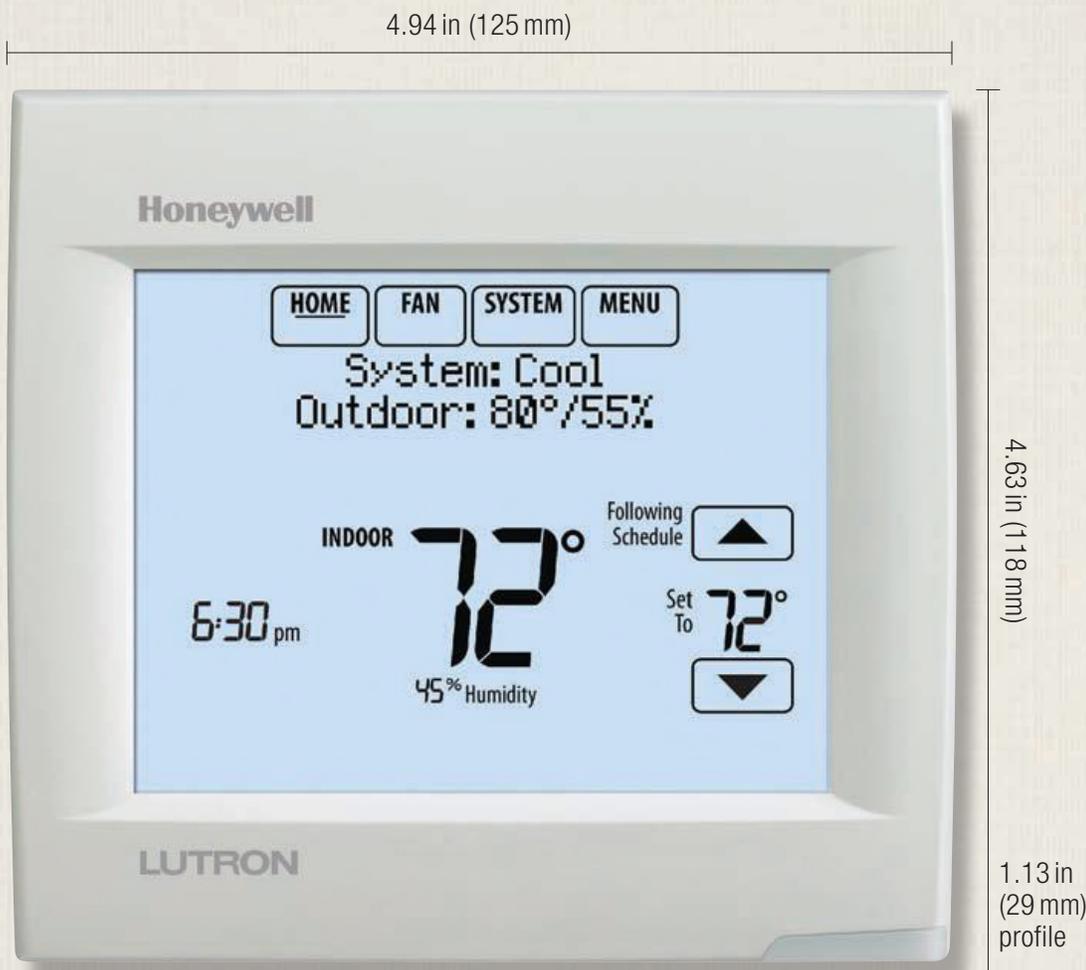
- Works in conjunction with the Smart Bridge or Smart Bridge PRO
- Controls lights, shades, and thermostats from anywhere
- Required to program and use Smart Bridge

#### Lutron App

Download for free from the App Store or Google Play

Siri is a trademark of Apple Inc., registered in the U.S. and other countries. HomeKit is a trademark of Apple Inc. App Store is a service mark of Apple Inc. Google Play is a trademark of Google Inc.

\* Package available in White only



Shown actual: Lutron wireless thermostat

### Product family features

- Adjust temperature settings anytime from anywhere
- Allows for the ability to adjust heating and cooling systems from a smartphone, tablet, or wearable with a Lutron Smart Bridge (see p. 156), Lutron App (see p. 156), and a Honeywell Total Connect Comfort account
- Communicates via Wi-Fi to Lutron Smart Bridge
- Powered by Honeywell HVAC control technology
- Provides a 7-day programmable schedule
- Offers a large touchscreen display with backlight and a message center
- Supports up three heat and two cool stages (heat pump), or up to two heat and two cool stages (conventional)
- Controls humidification, dehumidification, or ventilation
- Universal input for wired indoor, outdoor, or discharge sensor
- Compatible with a most HVAC operating systems
- Must be located within range of the Wi-Fi router
- Requires 24 V connection from HVAC equipment

## Wireless thermostat



- 7-day programmable schedule
- Adjust temperature settings via mobile device – whether home or away
- Supports heat pump and conventional HVAC systems

### **Temperature control**

Lutron wireless thermostat

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Thermostat	L-HWLV2-WIFI
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# Simple, scalable wireless lighting control

## Flexible control every step of the way

- Flexibility of the system allows you to design the building to meet your needs
  - The same suite of products allows you to design a simple single room solution or a fully integrated lighting management system
  - Multiple control options – combine individual fixture control and area control and easily match controls to any fixture package
  - Meet all of the latest energy codes and standards
- Less wiring reduces labor by 70%, and wireless technology makes setup as simple as pushing a button or using your smart device
- Monitor, adjust, and manage your system from any smart device to maximize your building's energy savings and occupant comfort

## Transform existing buildings with wireless lighting control

### Wireless controls and sensors

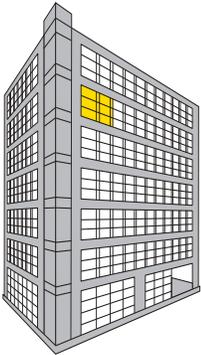
### Simple-to-use software



## Scalable solutions – start small and grow

Vive wireless solutions offer a multi-strategy approach that accommodates your budget and performance needs now, and for the future of your building.

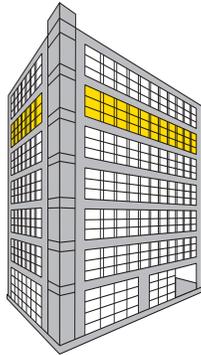
1



Single office space

Start by adding control in a single space and expand as budgets and occupant schedules allow.

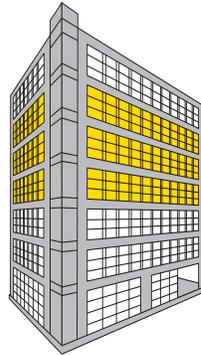
2



Single floor

Expand to new areas or an entire floor at any time without reprogramming or replacing existing equipment.

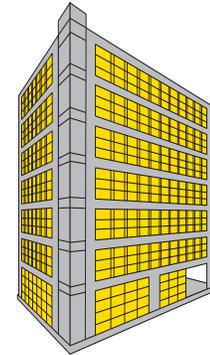
3



Multiple floors

Duplicate the success of one floor across other floors as your business expands or tenants change. Control can be independent on each floor, or linked via Vive wireless hubs.

4



Entire building

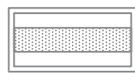
Vive offers seamless integration to other building management systems to control every light in your building.

## Choose any load and control type

### Any control type

- High-performance dimming with Lutron Hi-lume EcoSystem
- Other control types
  - 0-10V
  - Phase control
  - Switching
  - Contact closure output

### Any load type



LED



Incandescent/  
halogen



Fluorescent



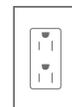
Magnetic  
low voltage



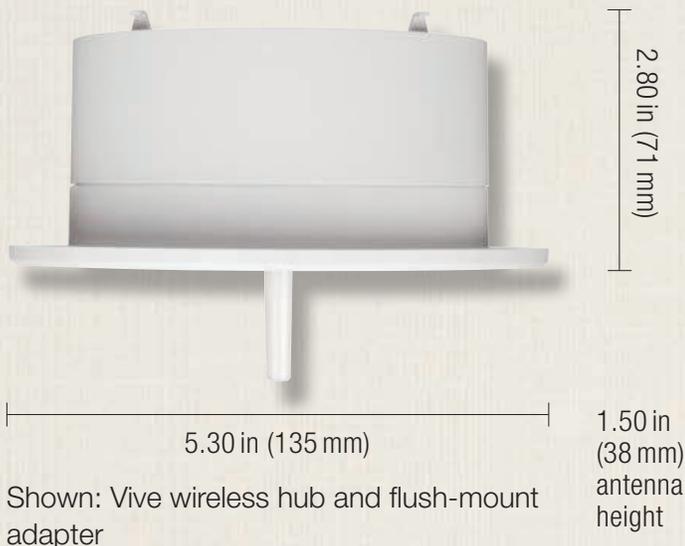
Electronic  
low voltage



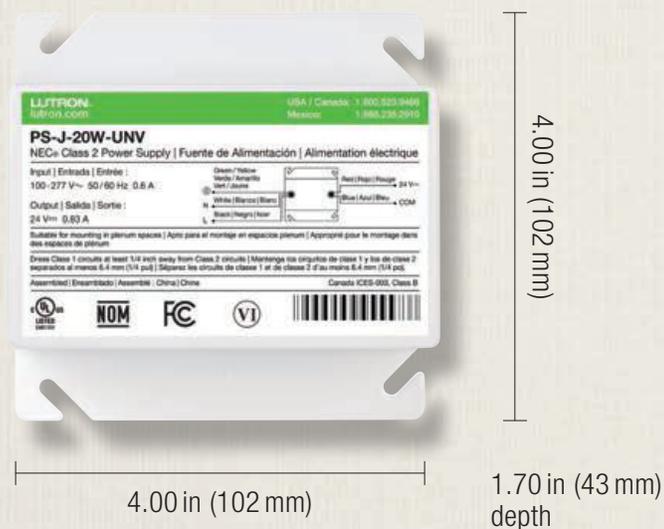
CFL



Receptacle



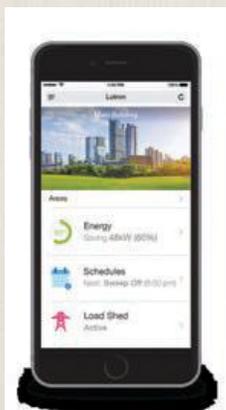
Shown: Vive wireless hub and flush-mount adapter



Shown: Vive wireless hub external power supply

### Product family features

- Provides a connection point for up to 700 Lutron Vive devices, such as Vive Maestro Wireless dimmers/switches (see p. 164), Vive PowPak remote-mount modules (see p. 174), Vive PowPak wireless fixture control modules (see p. 178), Pico wireless remotes (see p. 184), Radio Powr Savr occupancy/vacancy sensors (see pp. 204 and 206), and Radio Powr Savr daylight sensors (see p. 208)
- Communicates with Vive devices via Lutron reliable Clear Connect radio frequency (RF) technology
- Connects directly to any smartphone, tablet, or computer using built-in Wi-Fi
- Web-based software used for setup, programming, control, monitoring and dashboards of current status and energy usage; software supported on most devices that use an HTML5-compliant browser
- Supports timeclock events based on both sunrise and sunset, or fixed time of day
- Ethernet connection available to network multiple Vive hubs together and to provide native BACnet integration into the Building Management Systems
- RF and Wi-Fi range of 71 ft (22 m); Pico wireless remotes and Radio Powr Savr sensors communicate directly with load devices and must be located within 30 ft (9 m) of the device to which they are associated
- Communicates at 434 MHz frequency and 2.4 GHz



Shown: Vive Vue software

### Vive wireless hub



- Supports up to 700 Lutron wireless devices
- Integrated multi-color LED provides feedback
- Flush-mount or surface-mount options available

#### Vive wireless hub with power supply and mounting adapter

Flush-mount adapter	HJS-1-FM
Surface-mount adapter	HJS-1-SM

### Premium Vive wireless hub



- Supports up to 700 Lutron wireless devices
- Allows for native BACnet integration into Building Management Systems
- Integrated multi-color LED provides feedback
- Flush-mount or surface-mount options available

#### Premium Vive wireless hub with power supply and mounting adapter

Flush-mount adapter	HJS-2-FM
Surface-mount adapter	HJS-2-SM

### Vive Vue software



- Supported on most smart devices that use an HTML5-compliant browser
- Allows you to wirelessly connect system controls and program system settings
- Provides dashboard of current status for control and monitoring; also shows current energy usage

#### Vive Vue software

Included for free with any Vive wireless hub purchase

#### Vive wireless hub replacement parts

Vive wireless hub external power supply	PS-J-20W-UNV
Flush-mount installation adapter	H-MOUNT-FM
Surface-mount installation adapter	H-MOUNT-SM

#### Ethernet switches

16 port	ETH-SWITCH-16
24 port	ETH-SWITCH-24
24 port, 1 multi-mode fiber	ETH-SWITCH-24-1M
24 port, 2 multi-mode fiber	ETH-SWITCH-24-2M
24 port, 1 single-mode fiber	ETH-SWITCH-24-1S
24 port, 2 single-mode fiber	ETH-SWITCH-24-2S

All switches are unmanaged 10/100/1000 Mbps. This is a suggested, not holistic list. IT provided gear that is equivalent or better is sufficient. Enterprise level gear recommended.



Shown actual size: Vive Maestro Wireless dimmer and 1-gang Claro wallplate in White (WH).

Shown actual size: Pico wireless remote in White (WH), W: 1.25 in (31.75 mm) x H: 2.63 in (66.68 mm) x D: .33 in (8 mm). For details, see p. 184)

## Product family features

- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes (see p. 184), up to 10 Radio Powr Savr wireless occupancy/vacancy sensors (see pp. 204 and 206), 1 Radio Powr Savr daylight sensor (see p. 208), and 1 Vive hub (see p. 162)
- Compatible with the Vive hub which enables a simple setup process using a standard web browser; also permits control and monitoring of all Vive devices
- **C•L model available**
- Communicates at 434 MHz frequency
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates, see p. 223

## Control types

- Single-pole (one location)
- Multi-location (up to 10 locations)
- Wireless multi-location (up to 11 locations)

## Direct load type compatibility

- Dimmable LED/CFL lighting (screw-base)
- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- LED lighting
- Fluorescent lighting
- Switched lighting/fan/motor

## Load type requiring load interface

- Neon/cold cathode lighting

Lighting load interfaces may be required for some load type, voltage, and capacity combinations. For additional information, see pp. 259–263.

## Available finishes

Use **BOLD** color code in model number (Example: MRF2-600M-**PD**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Satin Colors\*



**SW**  
Snow



**LS**  
Limestone



**BI**  
Biscuit



**ES**  
Eggshell



**PD**  
Palladium



**TP**  
Taupe



**ST**  
Stone



**BG**  
Bluestone



**PL**  
Plum



**TQ**  
Turquoise



**GS**  
Goldstone



**DS**  
Desert Stone



**GB**  
Greenbriar



**MS**  
Mocha Stone

Metal wallplate\*\*



**TC**  
Terracotta



**SI**  
Sienna



**HT**  
Hot



**MR**  
Merlot



**MN**  
Midnight



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls. For wallplate information, see pp. 222–223.

## Digital fade wireless dimmers



- Tap on to preset level; tap off
- Tap twice for full on
- Press, hold, and release for delayed fade-to-off
- Touch rocker to adjust light level
- Provides true dimming from each location with companion dimmers or Pico wireless remotes (see p. 184)
- C•L dimmer offers reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

  **Dimmable LED/CFL (screw-base) dimmer**  
 **Incandescent/halogen dimmer**

### Digital fade wireless C•L dimmer\*

Multi-location/single-pole MRF2S-6CL-**XX**<sup>1</sup>  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.

Adjustable low-end trim.

-  **Incandescent/halogen dimmer**
-  **Magnetic low-voltage dimmer**
-  **Hi-lume 1% 2-wire LED driver dimmer**
-  **Tu-Wire fluorescent ballast dimmer**

Digital fade wireless dimmer—  
specification grade\*<sup>\*\*, \*\*</sup>

Multi-location/single-pole MRF2S-6ND-120-**XX**<sup>1</sup>  
120V 600W (Inc),  
600VA/450W (MLV),  
350W (Hi-lume 1% LED driver, max. 8),  
5A (Tu-Wire fluorescent ballast)

The stated W (watt) rating is the maximum incandescent lamp load. Ratings for MLV loads represent the maximum of the total lamp wattage plus MLV transformer loss (typically 20%).

Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.

Setting the low-end trim is necessary to ensure optimal dimming performance when using with LED drivers and fluorescent ballasts. For more information consult Lutron Application Note #370, Maestro Wireless Advanced Programming Mode, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

 **Electronic low-voltage dimmer**

Digital fade wireless dimmer\*<sup>\*\*, \*\*</sup>

Multi-location/single-pole MRF2S-6ELV120-**XX**<sup>1</sup>  
120V 600W

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 165

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 250 and 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

## Wireless electronic switches



- Tap switch on/off
- For multi-location switching, use one Vive Maestro Wireless switch with companion switches or Pico wireless remotes (see p. 184)

### Switches

#### Wireless electronic switch<sup>\*,\*\*</sup>

Multi-location/single-pole	MRF2S-6ANS- <b>XX</b> <sup>1</sup>
120V 6A light, 3A fan (1/10HP)	

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

#### Wireless electronic switches—specification grade\*

Multi-location/ single-pole <sup>**</sup>	MRF2S-8ANS-120- <b>XX</b> <sup>1</sup>
120V 8A light, 5.8A fan (1/4 HP)	

Multi-location/ single-pole	MRF2S-8S-DV- <b>XX</b> <sup>1</sup>
120–277V 8A light, 3A fan (1/10HP) @ 120V only	

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 165

Wallplates not included. Order separately, see pp. 222–223

#### Wireless electronic switch\* with Radio Powr Savr occupancy/vacancy sensor and wallplate<sup>†</sup>

Multi-location/single-pole 120V 8A light, 3A fan (1/10HP) ceiling-mount sensor	MRF2S-1S8A-10C
-----------------------------------------------------------------------------------------	----------------

Multi-location/single-pole 120V 8A light, 3A fan (1/10HP) wall-mount sensor	MRF2S-1S8A-10W
--------------------------------------------------------------------------------------	----------------

Multi-location/single-pole 120V 8A light, 3A fan (1/10HP) corner-mount sensor	MRF2S-1S8A-10K
----------------------------------------------------------------------------------------	----------------

Multi-location/single-pole 120V 8A light, 3A fan (1/10HP) hallway sensor	MRF2S-1S8A-10H
-----------------------------------------------------------------------------------	----------------

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

#### Wireless electronic switch\* with Radio Powr Savr vacancy sensor and wallplate<sup>†</sup>

Multi-location/single-pole 120V 8A light, 3A fan (1/10HP) ceiling-mount sensor	MRF2S-1S8A-1VC
-----------------------------------------------------------------------------------------	----------------

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* **Requires neutral wire connection**

† Packages available in White only

Two wireless electronic switches\* with Radio Powr Savr occupancy/vacancy sensor and two-gang wallplate\*\*

Multi-location/single-pole      MRF2S-2S8A-1OW  
120V 8A light,  
3A fan (1/10HP)  
ceiling-mount sensor

Switch rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

## Companion dimmers



- For use with multi-location dimmers only; use up to nine companion dimmers with only one Vive Maestro Wireless multi-location dimmer
- Provides true dimming from every location

## Companion controls

### Companion dimmers

Companion dimmer 120V	MA-R- <b>XX</b> <sup>1</sup> MSC-AD- <b>XX</b> <sup>2</sup>
Companion dimmer 277V	MA-R-277- <b>XX</b> <sup>1</sup> MSC-AD-277- <b>XX</b> <sup>2</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 165

**XX**<sup>2</sup>: Satin Colors codes, see p. 165

Wallplates not included. Order separately, see pp. 222–223

All models must be derated if ganged unless otherwise noted, see pp. 254–257.

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Packages available in White only

## Companion switches



- For use with multi-location switches only; use up to nine companion switches with only one Vive Maestro Wireless multi-location switch

### Companion controls

#### Companion switches

Companion switch 120V	MA-AS- <b>XX</b> <sup>1</sup> MSC-AS- <b>XX</b> <sup>2</sup>
Companion switch 277V	MA-AS-277- <b>XX</b> <sup>1</sup> MSC-AS-277- <b>XX</b> <sup>2</sup>

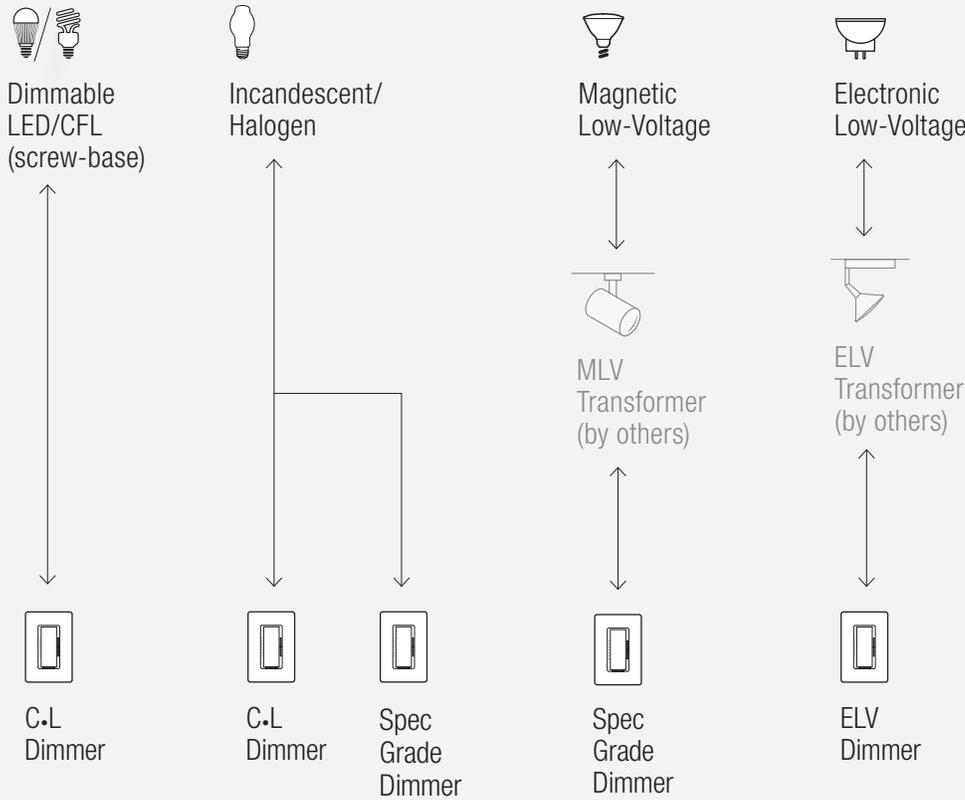
**XX**<sup>1</sup>: Gloss color codes, see p. 165

**XX**<sup>2</sup>: Satin Colors codes, see p. 165

Wallplates not included. Order separately,  
see pp. 222–223

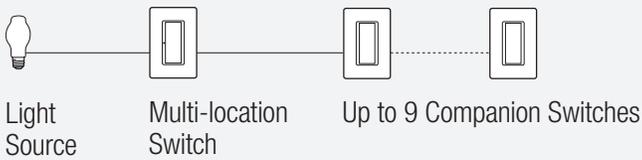
## Connections overview

### Load connections\*

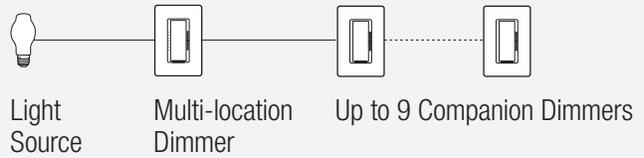


### Control types (for 2 or more locations)

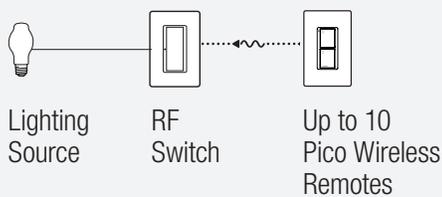
#### Switch from multiple locations (up to 10)



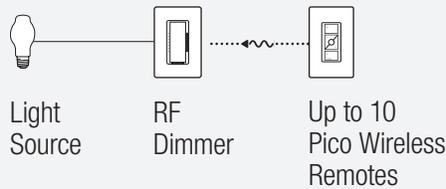
#### Dim from multiple locations (up to 10)



#### Switch wirelessly from multiple locations (up to 11)

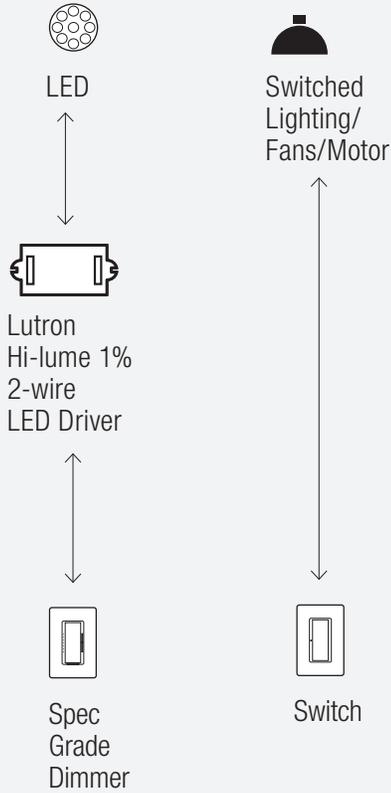


#### Dim wirelessly from multiple locations (up to 11)



\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

## Load connections\* (continued)



For more information on Lutron LED drivers, visit [lutron.com/HilumeLED](http://lutron.com/HilumeLED).

\* **For illustration purposes only.**  
Consult model number pages for specific voltage and capacity information.

## Wallplates

4.75 in (121 mm)



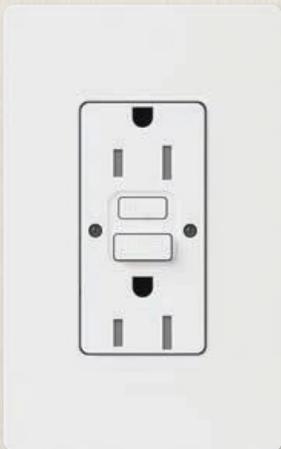
4.69 in (119 mm)

.30 in (7.6 mm) profile

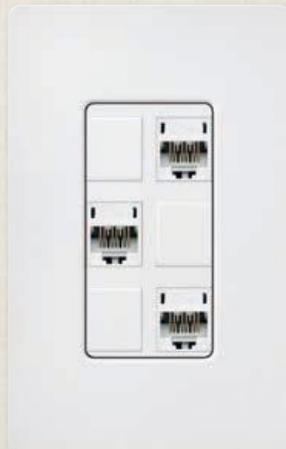
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

## Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



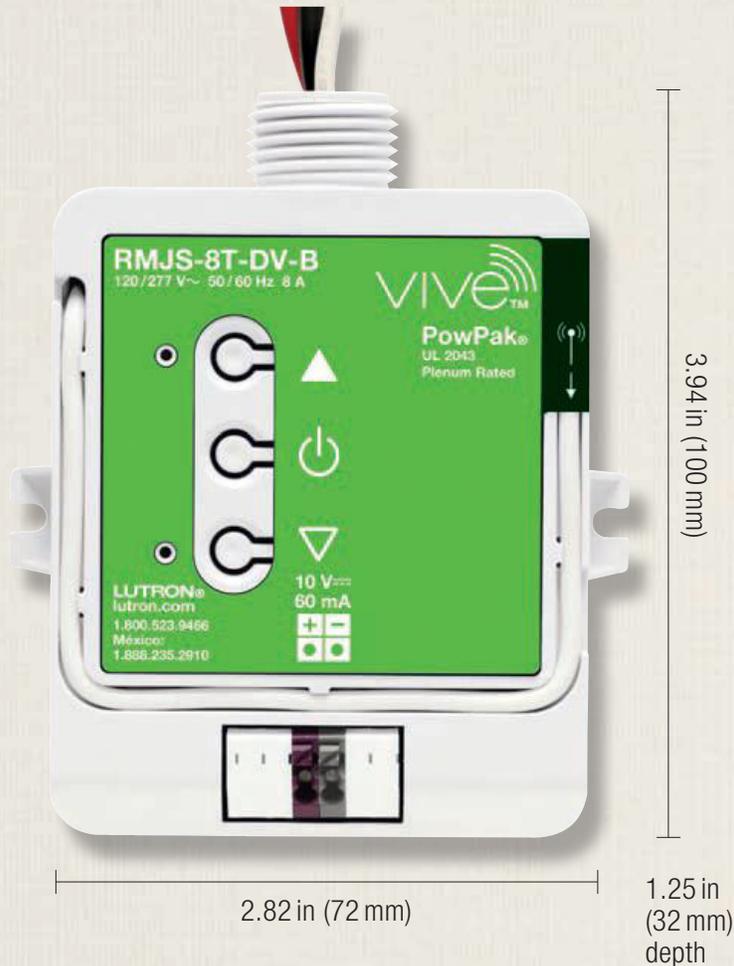
Customizable 6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.





Shown actual size: Vive PowPak dimming module for 0-10V control

**Product family features**

- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes (see p. 184), 10 Radio Powr Savr occupancy/vacancy sensors (see pp. 204 and 206), 1 Radio Powr Savr daylight sensor (see p. 208)\*, and 1 Vive hub (see p. 162)
- Compatible with Vive hub, which enables a simple setup process using a standard web browser; also permits control and monitoring of all Vive devices
- Mounts through a 1/2" NPT trade size knock-out to a junction box or to a fixture
- Can also be mounted inside of a standard 4" x 4" junction box
- RF range of 60 ft (18 m) line-of-sight, 30 ft (9 m) through walls and floors to other compatible RF devices
- Communicates at 434 MHz frequency

**Direct load type compatibility**

**PowPak dimming modules**

- LED lighting
- Fluorescent

**PowPak relay modules**

- Switched lighting/fan/motor
- Receptacles

**PowPak contact closure module**

- Low-voltage resistive

\*Vive PowPak 20A relay module is not compatible with the Radio Powr Savr daylight sensor.

## Dimming module for 0–10V control



- 0–10V analog control is widely used in the fixture industry
- Automatically adjusts to both sink and source LED and fluorescent fixtures

### **0–10V LED/fluorescent fixture dimming module**

Vive PowPak dimming module for 0–10V control

60mA max control current      RMJS-8T-DV-B  
120/277V

Dimming module has maximum capacity of 8A or 60mA 0–10V sink, limited by whichever rating is achieved first.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

## Relay modules



- General purpose switch controls lighting, fan, and motor loads
- Uses patented Softswitch technology to extend relay life to average 1,000,000 cycles
- 20A model available to control 20A receptacles
- Available with dry contact closure output for integration with third-party equipment; provides occupancy status

### **Switching module**

Vive PowPak relay modules

5A (1/6HP – 120V,      RMJS-5R-DV-B  
1/3HP – 277V) 120/277V

5A (1/6HP – 120V,      RMJS-5RCCO1-DV-B  
1/3HP – 277V) 120/277V  
with contact closure output

16A (1/2HP – 120V,      RMJS-16R-DV-B  
1 1/2HP – 277V) 120/277V

16A (1/2HP – 120V,      RMJS-16RCCO1-DV-B  
1 1/2HP – 277V) 120/277V  
with contact closure output

20A (1HP – 120V,      RMJS-20R-DV-B  
2HP – 277V) 120/277V

20A (1HP – 120V,      RMJS-20RCCO1DVB  
2HP – 277V) 120/277V  
with contact closure output

Rated for: Incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, motor loads, and receptacles (20A only).

## Contact closure module



- Single dry contact closure output device
- Maximum load of 1 A @ 24 VDC or 0.5 A @ 24 VAC; no minimum load required

### **Contact closure module**

#### Vive PowPak contact closure module

---

1 contact closure output	RMJS-CCO1-24-B
24 V AC/DC	

---





3.94 in (100 mm)

1.25 in (32 mm) depth

2.82 in (72 mm)

Shown actual size: Vive PowPak wireless fixture control module with EcoSystem

### Product family features

- Transform any fixture into a wireless, intelligent luminaire with no control wiring between fixtures
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes, (see p. 184), 10 Radio Powr Savr occupancy/vacancy sensors (see pp. 204 and 206), 1 Radio Powr Savr daylight sensor (see p. 208) and 1 Vive hub (see p. 162)
- Compatible with Vive hub which enables a simple setup process using a standard web browser; also permits control and monitoring of all Vive devices
- Models available to control either the Lutron EcoSystem or 0–10V (by others) LED drivers/fluorescent ballasts
- Also compatible with the PowPak fixture sensor (see p. 182), which requires a 2-wire connection between sensor and control modules; wires are interchangeable to eliminate miswiring
- Button presses associate the module with the Radio Powr Savr sensors and Pico wireless remotes
- One control module per fixture – makes BOM creation as easy as counting the fixtures
- Maximizes energy savings by saving energy at each fixture – use only the light you need
- Mounts through a 1/2" NPT trade size knock-out to a junction box or to a fixture
- RF range of 60 ft (18 m) line-of-sight, 30 ft (9 m) through walls and floors to other compatible RF devices
- Communicates at 434 MHz frequency

### Direct load type compatibility

- ⦿ LED lighting
- ⚡ Fluorescent

### Wireless fixture control module with EcoSystem



- EcoSystem is engineered and tested to guarantee 100% compatibility between controls, drivers, ballasts, and sensors
- Lutron drivers and ballasts deliver outstanding performance and reliability, and are backed by Lutron's exceptional service and support

### Wireless fixture control module for 0–10V control



- 0–10V analog control is widely used in the fixture industry
- Automatically adjusts to both sink and source LED and fluorescent fixtures

#### **EcoSystem LED driver/fluorescent ballast fixture control module**

Vive PowPak wireless fixture control module with EcoSystem

3 drivers/ballasts	FCJS-ECO
<hr/>	
120–277V	

For use with Hi-lume Premier 0.1%, Hi-lume 1% with Soft-on, Fade-to-Black, Hi-lume 1%, and 5-Series LED drivers, and EcoSystem, EcoSystem H-Series, and Hi-lume 3D ballasts.

#### **0–10V LED/fluorescent fixture control module**

Vive PowPak wireless fixture control module for 0–10V control

6 mA max control current	FCJS-010
<hr/>	
120–277V	

Fixture control module has maximum capacity of 3 drivers/ballasts, 1 A load or 6 mA 0–10V sink, limited by whichever rating is achieved first.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the the designed driver or ballast specification, or confirm compatibility with the manufacturer).

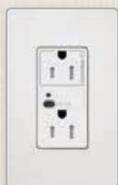


Shown actual size: Vive split wireless 15A receptacle and 1-gang Claro wallplate in White (WH)

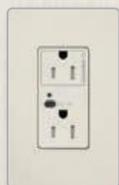
### Available finishes

Use **BOLD** color code in model number (Example: CAR2S-15-STR-**WH**)

Gloss finishes



**WH**  
White



**LA**  
Light Almond



**BL**  
Black

### Product family features

- Radio-frequency (RF) receptacle with built-in control/antennae used for switching general purpose loads
- May be used to control, but is not limited to, monitors, fans and humidifiers\*
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes (see p. 184), up to 10 Radio Powr Savr wireless occupancy/vacancy sensors (see pp. 204 and 206), and 1 Vive hub (see p. 162)
- Features adaptive switching, which maximizes relay life by switching at the point of minimum energy on the AC power curve
- Capable of controlling receptacles downstream
- Compatible with the Vive hub, which enables a simple setup process using a standard web browser; also permits control and monitoring of all Vive devices
- Available in both 15A and 20A versions, and in both duplex and split models
- Includes tamper-resistant shutter mechanism
- RF range of 60 ft (18 m) line-of-sight, 30 ft (9 m) through walls and floors to other compatible RF devices
- Communicates at 434 MHz frequency
- Coordinating Claro and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates, see p. 223

### Direct load type compatibility

-  Switched lighting/fan/motor

\* Not intended for control of permanently installed lighting fixtures or loads that present a hazard if automatically energized.

### Split wireless receptacle



- Top outlet only is controlled
- Available in 15 A or 20 A version
- Wallplate sold separately

### Duplex wireless receptacle



- Both outlets are controlled
- Available in 15 A or 20 A version
- Wallplate sold separately

#### Switched lighting/fan/motor

##### Split wireless receptacle

15 A 120V	CAR2S-15-STR- <b>XX</b> <sup>1</sup>
20 A 120V	CAR2S-20-STR- <b>XX</b> <sup>1</sup>

#### Switched lighting/fan/motor

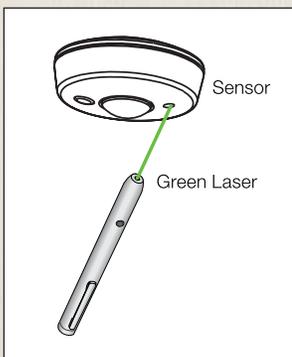
##### Duplex wireless receptacle

15 A 120V	CAR2S-15-DTR- <b>XX</b> <sup>1</sup>
20 A 120V	CAR2S-20-DTR- <b>XX</b> <sup>1</sup>



Shown actual size:  
PowPak fixture occupancy/  
daylight sensor in White (WH)

Programming:  
Shine a green laser (by others)  
on the sensor to put the fixture  
into association mode



### Product family features

- Combination occupancy/vacancy and daylight sensor
- Compatible with the Vive PowPak wireless fixture control modules (see p. 178)
- Simplifies setup by creating an access point to associate fixture control module with Pico wireless remotes and Radio Powr Savr wireless sensors
- 2-wire connection between sensor and control modules; wires are interchangeable to eliminate miswiring
- One sensor per wireless fixture control module—makes BOM determination easy
- Passive infrared (PIR) with exclusive Lutron XCT technology for fine motion detection
- 360° coverage
- Occupancy sensor time-out is 15 minutes
- Simple, automatic calibration out-of-box daylighting; requires no setup
- Designed to give a linear response to changes in perceived light level
- Daylight compensation through Lutron reliable closed loop proportion control
- Light range 0 to 1600lx (0 to 150fc)
- Great for individual control in commercial spaces, such as open office with cubicles
- Maximizes energy savings due to occupancy sensing, as fixtures in unoccupied spaces do not turn on
- For indoor use only; temperature 32°F–104°F (0°C–40°C)
- Mounts to the ceiling or to a fixture
- Recommended for 8-12 ft (2.4–3.7 m) ceilings
- Sensor should be mounted no more than 2 ft (0.6 m) from the fixture
- Available in White (WH)

### Occupancy/daylight sensor



- Auto-on/auto-off, manual on/auto-off
- 360° field-of-view
- Daylighting via Lutron reliable closed loop proportional control

### Vacancy/daylight sensor



- Manual on/auto-off only
- California Title 24 compliant
- 360° field-of-view
- Daylighting via Lutron reliable closed loop proportional control

#### Occupancy/daylight sensor

Ceiling- or fixture-mount FC-SENSOR

#### Vacancy /daylight sensor

Ceiling- or fixture-mount FC-VSENSOR

Fixture sensor major motion coverage range		
Ceiling height	Maximum room dimensions for complete floor coverage	Square feet
8 ft (2.4 m)	16 X 16 ft (4.9 X 4.9 m)	275 ft <sup>2</sup> (25.5 m <sup>2</sup> )
9 ft (2.7 m)	17 X 17 ft (5.2 X 5.2 m)	300 ft <sup>2</sup> (27.8 m <sup>2</sup> )
10 ft (3.0 m)	18 X 18 ft (5.5 X 5.5 m)	325 ft <sup>2</sup> (30.2 m <sup>2</sup> )
12 ft (3.7 m)	19 X 19 ft (5.8 X 5.8 m)	375 ft <sup>2</sup> (34.8 m <sup>2</sup> )



Shown actual size: Pico wireless remote, 3-button with raise/lower in White (WH)

**Product family features**

- Wireless master control from any location
- **Requires compatible receiving device** (sold separately)
- Available in a variety of colors and button configurations with predetermined button labeling (4-button zone and scene remotes available with custom labeling)
- Nightlight models offer a continuously soft-glowing LED that allows the remote to be easily located in the dark
- Control a single light/shade, group of lights/shades, plug load, or audio system
- Can be wall-mounted, mounted on a tabletop pedestal, kept on a car visor clip, or used as a handheld control; adhesive-mount for standalone wall mounting included with Pico wireless remote; all other mounting accessories sold separately (see p. 192)
- Simple to install in single- or multi-gang applications with Claro or Pico wallplates
- Battery included; 10-year battery life (3-year battery life with nightlight model)
- Communicates via Lutron Clear Connect radio frequency (RF) technology to other wireless devices, including: Maestro Wireless (see pp. 22 and 136), GRAFIK T (see p. 94), PowPak plug-in (see p. 138), Caséta Wireless (see pp. 144 and 154), Vive Maestro Wireless (see p. 164), Vive PowPak (see pp. 174 and 178), Vive wireless receptacles (see p. 180), and Serena battery-powered shades (see p. 216)
- RF range of 60 ft (18 m) line-of-sight, 30 ft (9 m) through walls and floors to other compatible RF devices
- Operates at 434 MHz frequency

**Available finishes**

Use **BOLD** color code in model number (Example: PJ2-3BRL-G**WH**-L01)

**Gloss**

(available for most button configurations)



**WH**  
White



**WG**  
White/Gray



**IV**  
Ivory



**LA**  
Light Almond



**BL**  
Black

**White color palette in all models**



2-button



2-button  
with raise/lower



2-button  
with nightlight



3-button



3-button  
with raise/lower



3-button  
with raise/lower  
with nightlight



4-button

**Pedestal Gloss**



**WH**  
White

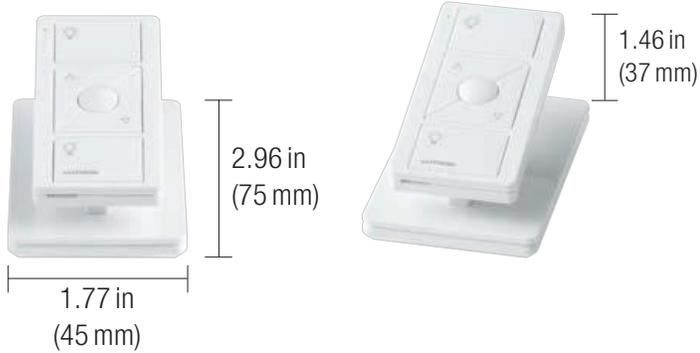


**BL**  
Black

**Mounting options**

**Single pedestal for tabletops**

(L-PED1-)



**Dual pedestal for tabletops**

(L-PED2-)



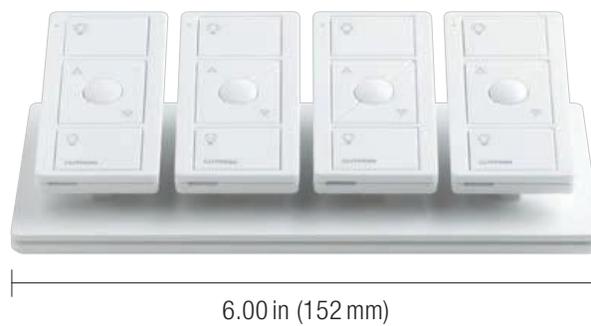
**Triple pedestal for tabletops**

(L-PED3-)



**Quad pedestal for tabletops**

(L-PED4-)

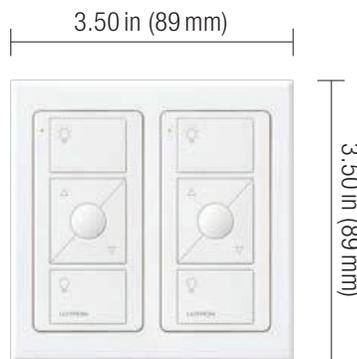


**Wall mount**

(no wallbox required)



Pico wireless remote mounted inside a 1-gang Claro wallplate in White (CW-1-WH), with wallbox adapter (PICO-WBX-ADAPT)



Pico wireless remotes mounted inside a Pico double wallplate in Arctic White (LPFP-S2-TAW)

**Car visor clip**

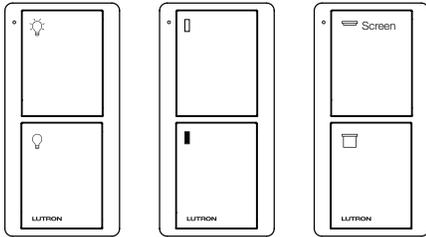
(PICO-CAR-CLIP)



## Labeling options with model number labeling codes

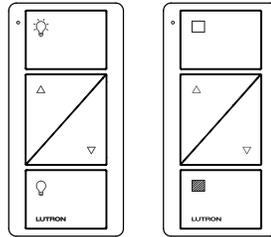
### Button Marking Codes:

#### 2-button



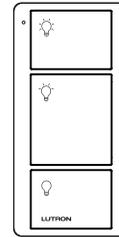
Light (L01)    Appliance (L02)    Screen (S08)

#### 2-button with raise/lower



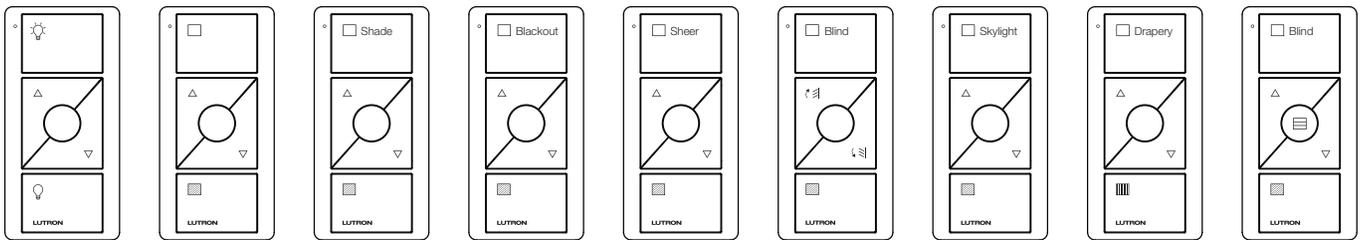
Light (L01)    Shade (S01)

#### 3-button

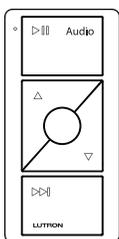


Light (L01)

#### 3-button with raise/lower



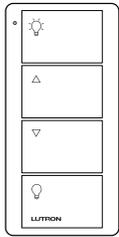
Light (L01)    Shade (icons) (S01)    Shade (text) (S02)    Blackout (S03)    Sheer (S04)    Blind (S05)    Skylight (S06)    Drapery (S07)    Horizontal Sheer Blind (S09)



Audio (A02)

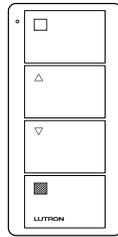
## Labeling options with model number labeling codes

### 4-button zone controls



- < **ON button**  
Lights brighten to full intensity
- < **Raise button**  
Lights increase in intensity
- < **Lower button**  
Lights decrease in intensity
- < **OFF button**  
Lights dim to off

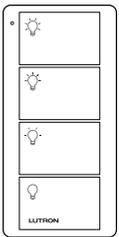
Lights  
(L01)



- < **OPEN button**  
Shades open fully
- < **Raise button**  
Shades open gradually
- < **Lower button**  
Shades close gradually
- < **CLOSE button**  
Shades close fully

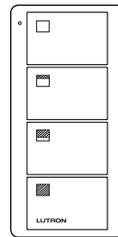
Shades  
(S01)

### 4-button scene controls



- < **3-scene buttons**  
Tap once: Sends device to preset levels. Press and hold for 8 seconds: Saves new preset level or position
- < **OFF button**  
Lights dim to off

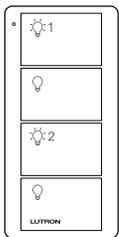
Lights  
(L31)



- < **OPEN button**  
Shades open fully
- < **2-scene buttons**  
Tap once: Sends device to preset levels. Press and hold for 6 seconds: Save new preset level or position
- < **CLOSE button**  
Shades close fully

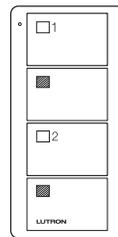
Shades  
(S31)

### 4-button 2-group controls



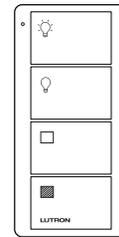
- < **ON button #1**  
Lights brighten to full intensity
- < **OFF button #1**  
Lights dim to off
- < **ON button #2**  
Lights brighten to full intensity
- < **OFF button #2**  
Lights dim to off

Lights  
(L21)



- < **OPEN button #1**  
Shades open fully
- < **CLOSE button #1**  
Shades close fully
- < **OPEN button #2**  
Shades open fully
- < **CLOSE button #2**  
Shades close fully

Shades  
(S21)



- < **ON button**  
Lights brighten to full intensity
- < **OFF button**  
Lights dim to off
- < **OPEN button**  
Shades open fully
- < **CLOSE button**  
Shades close fully

Lights/Shades  
(LS21)

### 2-button wireless remotes



- On/off (open/close)
- Light icon or screen text labeling
- Available with nightlight

#### Pico wireless remotes

##### 2-button

Light icon	PJ2-2B-G <b>XX</b> <sup>1</sup> -L01
Appliance icon	PJ2-2B-G <b>XX</b> <sup>1</sup> -L02
Screen text	PJ2-2B-G <b>XX</b> <sup>1</sup> -S08

#### Pico wireless remote with nightlight

##### 2-button

Light icon	PJN-2B-G <b>XX</b> <sup>1</sup> -L01
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### 2-button with raise/lower wireless remotes



- On/off (open/close) and raise/lower
- Light or shade icon labeling

#### Pico wireless remotes

##### 2-button with raise/lower

Light icon	PJ2-2BRL-G <b>XX</b> <sup>1</sup> -L01
Shade icon	PJ2-2BRL-G <b>XX</b> <sup>1</sup> -S01

**XX**<sup>1</sup>: Gloss color codes, see p. 185

### 3-button wireless remotes



- On/off and preset button
- Light icon labeling

#### Pico wireless remote

##### 3-button

Light icon	PJ2-3B- <b>XX</b> <sup>1</sup> -L01
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### 3-button with raise/lower wireless remotes



- On/off (open/close), raise/lower, and preset button
- Light or shade icon labeling
- Shade text labeling
- Available with nightlight

#### Pico wireless remotes

##### 3-button with raise/lower

Light icon	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -L01
Shade icon	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S01
Shade text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S02
Blackout text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S03
Sheer text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S04
Blind text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S05
Skylight text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S06
Drapery text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S07
Horizontal sheer blind text	PJ2-3BRL-G <b>XX</b> <sup>1</sup> -S09
Audio text	PJ2-3BRL-G <b>XX</b> <sup>2</sup> -A02

#### Caséta Wireless Pico wireless remote

##### 3-button with raise/lower

Light icon	PJ2-3BRL- <b>XX</b> <sup>3</sup> -L01R
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##### 3-button with raise/lower with wallplate and wallbox adapter

Light icon	PJ2-WALL-WH-L01
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#### Pico wireless remote with nightlight

##### 3-button with raise/lower

Light icon	PJN-3BRL-G <b>XX</b> <sup>1</sup> -L01
------------	----------------------------------------

**XX**<sup>1</sup>: Available in Gloss colors, see p. 185  
**XX**<sup>2</sup>: Available in Gloss White (WH) and Black (BL)  
**XX**<sup>3</sup>: Available in Gloss White (WH) and Light Almond (LA)

### 4-button scene wireless remotes



- Light model offers 3 scenes and off
- Shade model offers 2 scenes and open/close
- Light or shade icon labeling
- Custom labeling available

### 4-button 2-group wireless remotes



- On/off (open/close) for two groups of lights/shades
- Light, shade, or light/shade icon labeling

#### Pico wireless remotes

##### 4-button scene

Light icon	PJ2-4B-G <b>XX</b> <sup>1</sup> -L31
Light custom	PJ2-4B-G <b>XX</b> <sup>1</sup> -EL2
Shade icon	PJ2-4B-G <b>XX</b> <sup>1</sup> -S31
Shade custom	PJ2-4B-G <b>XX</b> <sup>1</sup> -ES2

#### Caséta Wireless Pico wireless remote PRO

##### 4-button scene (3-scene control)

Light icon	PJ2-4B- <b>XX</b> <sup>1</sup> -L31P
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#### Pico wireless remotes

##### 4-button 2-group

Light icon	PJ2-4B-G <b>XX</b> <sup>1</sup> -L21
Shade icon	PJ2-4B-G <b>XX</b> <sup>1</sup> -S21
Light/shade icon	PJ2-4B-G <b>XX</b> <sup>1</sup> -LS21

#### Caséta Wireless Pico wireless remote PRO

##### 4-button 2-group (switch control)

Light icon	PJ2-4B- <b>XX</b> <sup>1</sup> -L21P
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**XX**<sup>1</sup>: Available in Gloss White (WH), Black (BL), Ivory (IV), and Light Almond (LA)

## 4-button zone wireless remotes



- On/off and raise/lower
- Light or shade icon labeling
- Custom labeling available

### Pico wireless remotes

#### 4-button zone

Light icon	PJ2-4B-G <del>XX</del> <sup>1</sup> -L01
Light custom	PJ2-4B-G <del>XX</del> <sup>1</sup> -EL1
Shade icon	PJ2-4B-G <del>XX</del> <sup>1</sup> -S01
Shade custom	PJ2-4B-G <del>XX</del> <sup>1</sup> -ES1

### Caséta Wireless Pico wireless remote PRO

#### 4-button zone (dimming control)

Light icon	PJ2-4B- <del>XX</del> <sup>1</sup> -L01P
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- ~~XX~~<sup>1</sup>**: Available in Gloss White (WH), Black (BL), Ivory (IV), and Light Almond (LA)
- ~~XXX~~<sup>2</sup>**: Available in Matte Arctic White (TAW), and Black (TBL)
- ~~XX~~<sup>3</sup>**: Available in Bright Chrome (BC), Satin Nickel (SN), and Satin Brass (SB)
- ~~XXX~~<sup>4</sup>**: Available in Green Glass (GWH) and Clear Glass (CWH)
- ~~XX~~<sup>5</sup>**: Available in Gloss White (WH) and Black (BL)

### Accessories

#### Screw-mount kit

Mounting kit	PICO-SM-KIT
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Kit recommended for standalone mounting; includes screws to be used for permanent mounting and/or mounting to non-smooth surfaces.

#### Wallbox adapter

Adapter	PICO-WBX-ADAPT
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Adapter allows the Pico wireless remote to be installed over an existing wallbox.

Adapter to be used with Claro wallplates.

#### Pico wallplates

Single wallplate	LPFP-S1- <del>XXX</del> <sup>2</sup>
	LPFP-S1- <del>XX</del> <sup>3</sup>
Double wallplate	LFGP-S1- <del>XXX</del> <sup>4</sup>
	LPFP-S2- <del>XXX</del> <sup>2</sup>
	LPFP-S2- <del>XX</del> <sup>3</sup>
	LFGP-S2- <del>XXX</del> <sup>4</sup>

Pico wallplates are designed to provide a clean architectural look. Pico wireless remotes mount flush with the wallplate. Wallplates include wallbox adapter.

Arctic White and Glass finish wallplates include white plastic trim adapter visible from side.

Black and Metal finish wallplates include black plastic trim adapter, visible from side.

#### Tabletop pedestals

Single pedestal	L-PED1- <del>XX</del> <sup>5</sup>
Dual pedestal	L-PED2- <del>XX</del> <sup>5</sup>
Triple pedestal	L-PED3- <del>XX</del> <sup>5</sup>
Quad pedestal	L-PED4- <del>XX</del> <sup>5</sup>

#### Car visor clip

Clip	PICO-CAR-CLIP
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Shown actual size: Maestro occupancy/vacancy C•L dimmer sensor and 1-gang Claro wallplate in White (WH).

**Control types**

- Single-pole (one location)
- 3-way (two locations)
- Multi-location (up to 10 locations)

**Product family features**

- Will turn lights on as you enter a room and off after the room is vacated
- Passive infrared or dual-technology detection with Lutron’s exclusive XCT technology for fine and very fine motion detection
- Occupancy/vacancy (auto-on/auto-off or manual-on/auto-off) or vacancy-only (manual-on/auto-off) versions available
- Vacancy models meet California Title 24 requirements
- Dual-voltage (120–277 V) switch option available
- Sensor switch available in single- or dual-circuit models
- Dimmer sensors available for dimmable screw-in LED/CFL bulbs (C•L model) or 0–10V fixtures
- 180° sensor field-of-view
- Up to 30 ft x 30 ft major motion and 20 ft x 20 ft minor motion coverage
- Coordinating Claro, Satin Colors and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates; see p. 223

**Direct load type compatibility**

**Dimmer**

- Dimmable LED/CFL lighting (screw-base)
- Incandescent/halogen lighting
- LED lighting
- Fluorescent lighting

**Switch**

- LED lighting
- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- Fluorescent lighting

Lighting load interfaces are not compatible with this family.

**Available finishes**

Use **BOLD** color code in model number (Example: MS-OP600M-**MN**)

Gloss\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Satin Colors\*



**SW**  
Snow



**LS**  
Limestone



**BI**  
Biscuit



**ES**  
Eggshell



**PD**  
Palladium



**TP**  
Taupe



**ST**  
Stone



**BG**  
Bluestone



**PL**  
Plum



**TQ**  
Turquoise



**GS**  
Goldstone



**DS**  
Desert Stone



**GB**  
Greenbriar



**MS**  
Mocha Stone

Metal wallplate\*\*



**TC**  
Terracotta



**SI**  
Sienna



**HT**  
Hot



**MR**  
Merlot



**MN**  
Midnight



**SS**  
Stainless Steel

\* Coordinating wallplates only available separately. For wallplate information, see pp. 222–223.

\*\* Stainless Steel metal wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls. For wallplate information, see pp. 222–223.

## Dimmer sensors



- Passive infrared (PIR) sensor with Lutron exclusive XCT technology
- C•L dimmer sensor provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- 0–10V dimmer sensor provides reliable dimming of 0–10V fluorescent and LED fixtures
- Adjustable timeout—1, 3, 5, 15, or 30 minutes
- Occupancy/vacancy version can be easily programmed to work as vacancy (manual-on) sensor
- Optional off warning dims the lights by 50%, 30 seconds before the lights turn off
- High- and low-end trim features
- High-low sensitivity adjustment
- Standard Maestro dimmer features: locked preset, fade-to-on and fade-to-off
- Multi-location models work with up to nine companion dimmers; see p. 23



### Dimmable LED/CFL (screw-base) dimmers Incandescent/halogen dimmers

#### Digital fade C•L dimmer occupancy/ vacancy sensor \*

Multi-location/3-way\*\*/ MSCL-OP153M-**XX**<sup>1</sup>  
single-pole  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim

#### Digital fade C•L dimmer vacancy sensor\*

Multi-location/3-way\*\*/ MSCL-VP153M-**XX**<sup>1</sup>  
single-pole  
120V 150W (LED/CFL),  
600W (Inc)

Visit [lutron.com/compatibility](http://lutron.com/compatibility) for an approved list of dimmable LED bulbs. See p. 250 to calculate wattage when mixing lamp types.  
Adjustable low-end trim

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 195

Wallplates not included. Order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors).

All models must be derated if ganged, unless otherwise noted, see pp. 250 and 254–257

\* Minimum load required, visit [lutron.com/faq](http://lutron.com/faq) for more information

\*\* Works with standard mechanical 3-way switch

 **0–10V LED/fluorescent fixture dimmers**  
(current sink control)

**Digital fade 0–10V dimmer occupancy/vacancy sensor**

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3-way\*/single-pole MS-Z101-**XX**<sup>1</sup>  
120–277V 8A  
50mA max. control current

---

No power pack required

Dimmer has a maximum capacity of 8A load or 50mA 0–10V sink limited by whichever rating is achieved first.

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

No derating required if ganged.

**Digital fade 0-10 V dimmer vacancy sensor**

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3-way\*/single-pole MS-Z101-V-**XX**<sup>1</sup>  
120–277V 8A  
50mA max. control current

---

No power pack required

Dimmer has a maximum capacity of 8A load or 50mA 0–10V sink limited by whichever rating is achieved first.

Consult driver/ballast manufacturer for specific driver/ballast current draw to determine maximum number of drivers/ballasts per control.

Compatible with any IEC 60929 Annex E compliant driver or ballast, available from many manufacturers (check for IEC 60929 compliance on the designed driver or ballast specification, or confirm compatibility with the manufacturer).

No derating required if ganged.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 195

Wallplates not included. Order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors)

\* Works with standard mechanical 3-way switch

## Single-circuit sensor switches



- Available with passive infrared (PIR) or dual-technology sensor
- All models feature Lutron exclusive XCT technology
- Adjustable timeout—1, 5, 15, or 30 minutes
- Occupancy/vacancy version can be easily programmed to work as vacancy (manual-on) sensor
- High-low sensitivity adjustment
- Multi-location models work with up to nine companion switches; see p.23



## Switches

### Single-circuit PIR occupancy/vacancy sensor switches

Single-pole* 120V 2A lighting	MS-OPS2- <b>XX</b> ¹
Multi-location/3-way**/ single-pole* 120V 5A lighting, 3A fan (1/10HP)	MS-OPS5M- <b>XX</b> ¹
Multi-location/3-way**/ single-pole* 120–277V 6A lighting, 3A fan (1/10HP) @120V only	MS-OPS6M2-DV- <b>XX</b> ¹
Multi-location/3-way**/ single-pole† 120–277V 6A lighting, 3A fan (1/10 HP) @120V only	MS-OPS6M2N-DV- <b>XX</b> ¹
Multi-location/3-way**/ single-pole†† 120–277V 6A lighting, 3A fan (1/10HP) @120V only	MS-OPS6M2U-DV- <b>XX</b> ¹

2A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, and fluorescents.

5A and 6A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**XX**¹: Gloss and Satin Colors codes, see p. 195

Wallplates not included, order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors)

\* Ground wire required for functionality

\*\* Works with standard mechanical 3-way switch

† **Requires neutral wire connection**

†† **Neutral wire and ground connection available, one required**

**Single-circuit PIR vacancy sensor switches**

Single-pole*	MS-VPS2- <b>XX</b> <sup>1</sup>
120V 2A lighting	
Multi-location/3-way**/ single-pole*	MS-VPS5M- <b>XX</b> <sup>1</sup>
120V 5A lighting, 3A fan (1/10HP)	
Multi-location/3-way**/ single-pole*	MS-VPS6M2-DV- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 3A fan (1/10HP) @120V only	
Multi-location/3-way**/ single-pole†	MS-VPS6M2N-DV- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 3 fan (1/10 HP) @120V only	
Multi-location/3-way**/ single-pole††	MS-VPS6M2U-DV- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 3A fan (1/10HP) @120V only	
2A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, and fluorescents.	
5A and 6A rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.	
No derating required if ganged.	

**Single-circuit dual-technology occupancy/vacancy sensor switches**

Single-pole	MS-A102- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 4.4 A fan (1/6HP) @ 120V only	
Multi-location/ 3-way**/ single-pole	MS-B102- <b>XX</b> <sup>1</sup>
120–277V 6A lighting, 4.4 A fan (1/6HP) @ 120V only	
Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.	
No derating required if ganged.	

**Single-circuit dual-technology vacancy sensor switches**

Single-pole	MS-A102-V- <b>XX</b> <sup>1</sup>
120 – 277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only	
Multi-location/ 3-way**/ single-pole†	MS-B102-V- <b>XX</b> <sup>1</sup>
120 – 277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only	
Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.	
No derating required if ganged.	

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 195  
Wallplates not included, order separately, see pp. 222–223

For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors)

- \* Ground wire required for functionality
- \*\* Works with standard mechanical 3-way switch
- † **Requires neutral wire connection**
- †† **Neutral wire and ground connection available, one required**

## Dual-circuit sensor switches

(two loads)



- Available with passive infrared (PIR) or dual-technology sensor
- All models feature Lutron exclusive XCT technology
- Allows the control of two circuits from one sensor switch
- Ideal for bi-level switching in commercial buildings/ helps meet codes such as ASHRAE 90.1 2010
- High-low sensitivity adjustment

## Switches

### Dual-circuit PIR occupancy sensor switch

Single-pole MS-OPS6-DDV-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) 120V only per circuit

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

### Dual-circuit PIR partial-on sensor switch

Single-pole MS-PPS6-DDV-**XX**<sup>1</sup>

120 – 277V 6 A lighting,  
4.4 fan (1/6 HP) 120V only per circuit

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

### Dual-circuit dual-technology occupancy sensor switches

Single-pole MS-A202-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) 120V only per circuit

3-way\*/single-pole\*\* MS-B202-**XX**<sup>1</sup>

120–277V 6A lighting,  
4.4 fan (1/6 HP) 120V only per circuit

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, LEDs, CFLs, fluorescents, general purpose fans, and motor loads.

No derating required if ganged.

**XX**<sup>1</sup>: Gloss and Satin Colors codes, see p. 195

Wallplates not included, order separately, see pp. 222–223

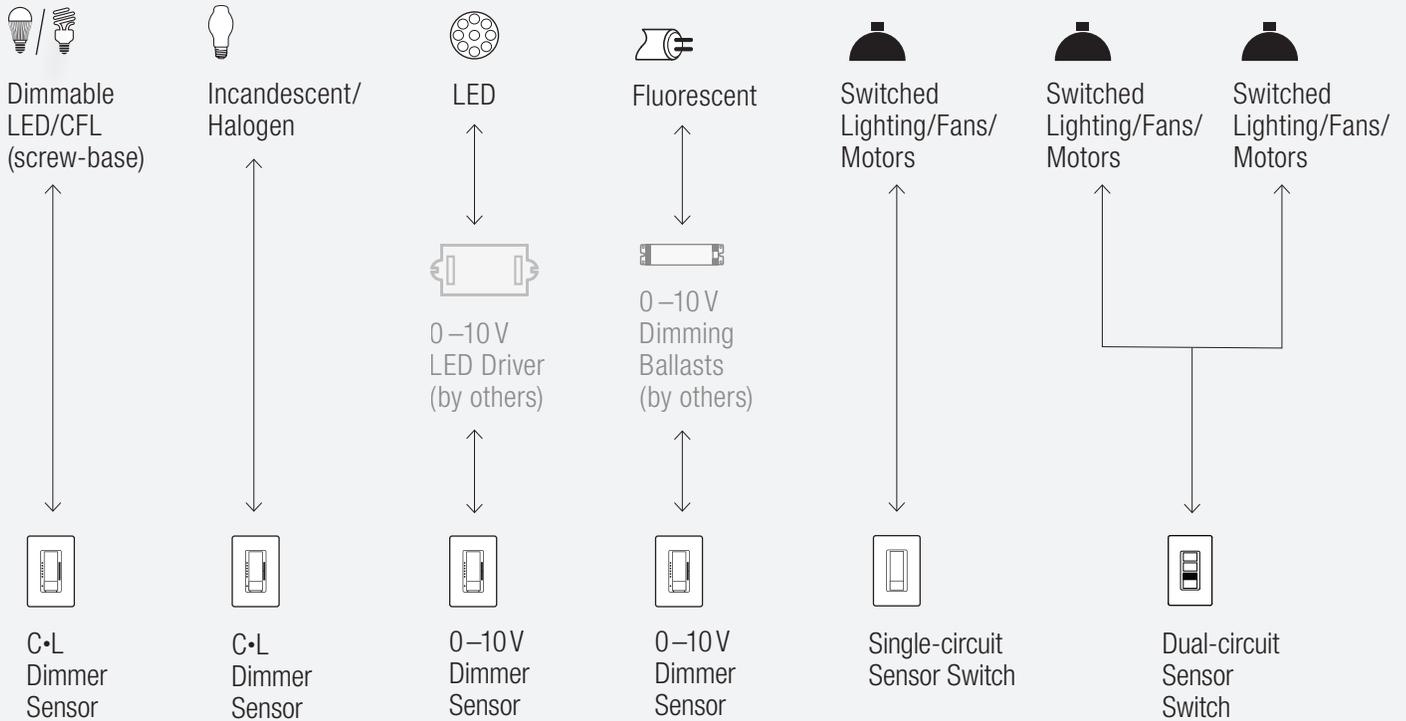
For more information on occupancy/vacancy sensors, visit [lutron.com/occsensors](http://lutron.com/occsensors)

\* Works with standard mechanical 3-way switch

\*\* **Requires neutral wire connection**

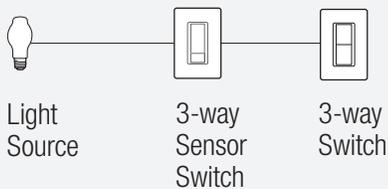
## Connections overview

### Load connections\*

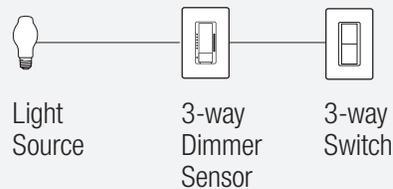


### Control types (for up to 2 locations)

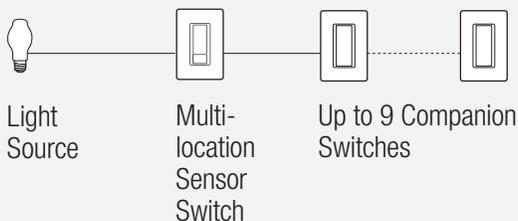
#### Switch from 2 locations



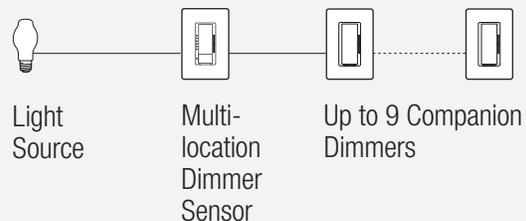
#### Dim from one location, switch from another



#### Switch from multiple locations (up to 10)



#### Dim from multiple locations (up to 10)



\* For illustration purposes only.  
Consult model number pages for specific voltage and capacity information.

## Accessories

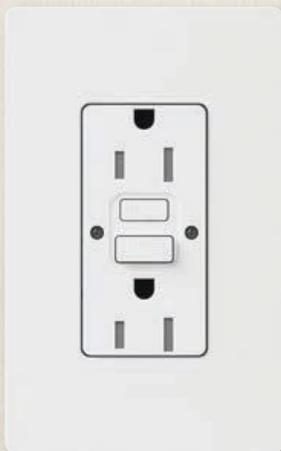
### Wallplates



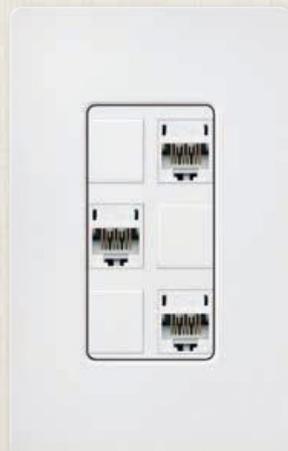
Shown actual size:  
2-gang Claro wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pp. 222–223.

### Coordinated electrical devices



Tamper resistant self-testing GFCI receptacle



Customizable 6-port frame



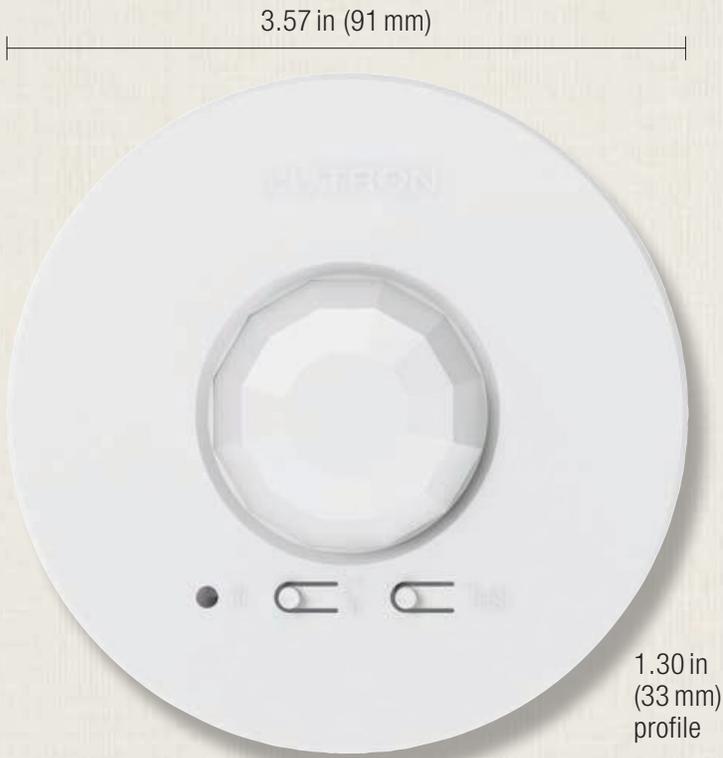
Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see  
pp. 223–226.



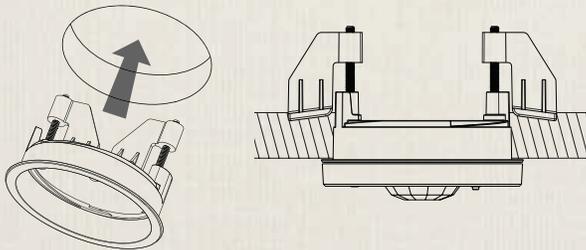
Adventure Stories  
OUR VICTORIAN LEAD BOOK





Shown actual size: Radio Powr Savr wireless ceiling-mount occupancy/vacancy sensor in White (WH).

Recess mounting bracket (sold separately)



Allows ceiling-mount sensor to sit flush with ceiling

## Product family features

- Simple installation with no wiring
- Battery included; 10-year battery life design
- **Requires compatible receiving device** (sold separately)
- Communicates via Lutron reliable Clear Connect radio frequency (RF) technology to Lutron wireless devices including: Maestro Wireless (see pp. 32 and 136), GRAFIK T (see p. 94), PowPak plug-in (see p. 138), Caséta Wireless\* (see pp. 144 and 154), Vive Maestro Wireless (see p. 164), Vive PowPak (see pp. 174 and 178), Vive wireless receptacles (see p. 180), and Lutron stairwell fixtures (see pp. 210, 212, and 214)
- Passive infrared (PIR) with exclusive Lutron XCT technology for fine motion detection
- 360° coverage
- Timeout options include 1, 5, 15, and 30 minutes
- Multiple sensors can be added for extended coverage—refer to receiving device product specification submittals to determine system limits
- For indoor use only; temperature: 32°F–104°F (0°C–40°C)
- Recommended for 8–12 ft (2.4–3.7 m) ceilings
- Mount within 60 ft (18 m) line-of-sight or 30 ft (9.1 m) through walls of the receiving devices
- Can be recess or surface mounted to solid or drop ceilings (recess mounting bracket sold separately)
- Communicates at 434 MHz frequency
- Available in White (WH)

\* Radio Powr Savr wireless occupancy/vacancy sensors work with Caséta Wireless dimmers and switches in standalone applications only. Sensors do not work with Smart Bridge or Smart Bridge PRO.

### Occupancy/vacancy sensor



- Auto-on/auto-off, manual on/auto-off or auto-on low light/auto-off
- High, medium, and low sensitivity settings
- 360° field-of-view

### Vacancy sensor



- Manual on/auto-off only
- High, medium, and low sensitivity settings
- California Title 24 compliant
- 360° field-of-view

#### Occupancy/vacancy sensor

Ceiling mount LRF2-OCR2B-P-WH

#### Vacancy sensor

Ceiling mount LRF2-VCR2B-P-WH

#### Accessories

Accessory kit L-CMDPIRKIT

10 temporary mounting strips  
and 10 PIR lens masks

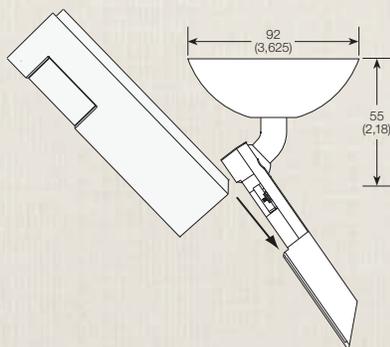
Recess-mounting bracket L-CRMK-WH

Wireless ceiling-mount sensor major motion coverage range		
Ceiling height	Maximum room dimensions for complete floor coverage	Square feet
8 ft (2.4 m)	18 x 18 ft (5.5 x 5.5 m)	324 ft <sup>2</sup> (30.2 m <sup>2</sup> )
9 ft (2.7 m)	20 x 20 ft (6.1 x 6.1 m)	400 ft <sup>2</sup> (37.2 m <sup>2</sup> )
10 ft (3.0 m)	22 x 22 ft (6.7 x 6.7 m)	484 ft <sup>2</sup> (44.9 m <sup>2</sup> )
12 ft (3.7 m)	26 x 26 ft (7.9 x 7.9 m)	676 ft <sup>2</sup> (62.4 m <sup>2</sup> )



Shown actual size: Radio Powr Savr wall-mount occupancy/vacancy sensor in White (WH)

Flexible mounting armature (sold separately)



**Product family features**

- Simple installation with no wiring
- Battery included; 10-year battery life design
- **Requires compatible receiving device** (sold separately)
- Communicates via Lutron reliable Clear Connect radio frequency (RF) technology to Lutron wireless devices including: Maestro Wireless (see pp. 32 and 136), GRAFIK T (see p. 94), PowPak plug-in (see p. 138), Caséta Wireless\* (see pp. 144 and 154), Vive Maestro Wireless (see p. 164), Vive PowPak (see pp. 174 and 178), Vive wireless receptacles (see p. 180) and Lutron stairwell fixtures (see pp. 210, 212, and 214)
- Passive infrared (PIR) with exclusive Lutron XCT technology for fine motion detection
- Three models available:
  - Wall mount: 180° field-of-view
  - Corner mount: 90° field-of-view
  - Hallway: 150 ft narrow field-of-view for longer coverage
- Timeout options include 1, 5, 15, and 30 minutes
- Multiple sensors can be added for extended coverage—refer to receiving device product specification submittals to determine system limits
- Units do not have a low light level setting
- For indoor use only; temperature: 32° F–104° F (0° C–40° C)
- Recommended mounting height 6–8 ft (1.8–2.4 m) from floor
- Mount within 60 ft (18 m) line-of-sight or 30 ft (9 m) through walls of the receiving devices
- Temporary mounting hardware (included) allows for optimum sensor placement and coverage
- Mounts on wall, not in wallbox
- Communicates at 434 MHz frequency
- Available in White (WH)

\* Radio Powr Savr wireless occupancy/vacancy sensors work with Caséta Wireless dimmers and switches in standalone applications only. Sensors do not work with Smart Bridge or Smart Bridge PRO.

### Occupancy/vacancy sensors



- Auto-on/auto-off, manual on/auto-off
- High, medium, and low sensitivity settings
- Wall mount: 180° field-of-view
- Corner mount: 90° field-of-view
- Hallway: Long, narrow field-of-view for deeper coverage

### Vacancy sensors



- Manual on/auto-off only
- High, medium, and low sensitivity settings
- California Title 24 compliant
- Wall mount: 180° field-of-view
- Corner mount: 90° field-of-view
- Hallway: Long, narrow field-of-view for deeper coverage

#### Occupancy/vacancy sensors

Wall mount	LRF2-OWLB-P-W
Corner mount	LRF2-OKLB-P-WH
Hallway	LRF2-OHLB-P-WH

#### Vacancy sensors

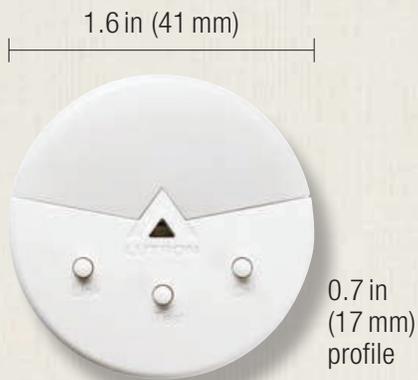
Wall mount	LRF2-VWLB-P-WH
Corner mount	LRF2-VKLB-P-WH
Hallway	LRF2-VHLB-P-WH

#### Accessories

Flexible mounting armature	LRF-ARM-WH
----------------------------	------------

Wall/corner wireless sensor major motion coverage range		
Mounting	Maximum room dimensions for complete floor coverage	Square feet
Wall	50 x 60ft (15.2 x 18.3m)	3000ft <sup>2</sup> (278.7m <sup>2</sup> )
Corner	50 x 50ft (15.2 x 15.2m)	2500ft <sup>2</sup> (232.3m <sup>2</sup> )

Hallway mount wireless sensor major motion coverage range	
Width of hall	Length of hall
6ft (1.6m) or less	50ft (15.2m)
8ft (2.4m)	100ft (30.5m)
10ft (3.06m) or more	150ft (45.7m)



Shown actual size: Radio Powr Savr wireless daylight sensor in White (WH).

## Product family features

- Simple installation with no wiring
- Battery included; 10-year battery life design
- **Requires compatible receiving device** (sold separately)
- Communicates via Lutron reliable Clear Connect radio frequency (RF) technology to Lutron wireless devices including: Maestro Wireless (see pp. 32 and 136), GRAFIK T (see p. 94), PowPak plug-in (see p. 138), Vive Maestro Wireless (see p. 164), and Vive PowPak (see pp. 174 and 178)
- Detects light level and relays information back to compatible RF devices
- Designed to give a linear response to changes in perceived light level
- Daylight compensation through Lutron reliable open loop proportion control
- Light range 0 to 1600 lx (0–150 fc)
- Limit 1 sensor per RF device; 1 sensor can be associated with up to 10 compatible RF devices
- Mount within 60 ft (18 m) line-of-sight or 30 ft (9.1 m) through walls, of the receiving devices
- Built-in test mode and temporary mounting hardware (included) allows for optimum sensor placement and coverage
- For indoor use only; temperature: 32°F–104°F (0°C–40°C)
- Communicates at 434 MHz frequency
- Available in White (WH)

## Daylight sensor



- Detects light level and relays information back to compatible radio frequency devices
- Designed to give a linear response to changes in perceived light level

### Daylight sensor

Ceiling mount

LRF2-DCRB-WH

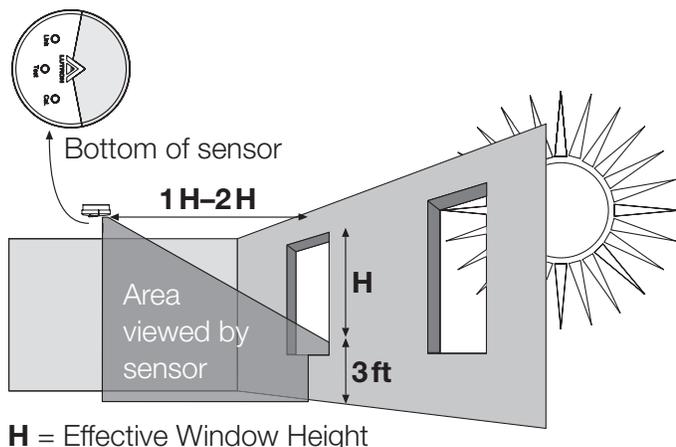
## Mounting Location

**Determine the daylight sensor mounting location using the diagram below:**

- Place the daylight sensor so the viewing area is centered on the nearest window at a distance from the window of one to two times the effective window height (H)
- The effective window height (H) starts at the window sill or 3 ft (1 m) up from the floor, whichever is higher, and ends at the top of the window
- Do not position the daylight sensor in the well of a skylight or above indirect lighting fixtures
- For narrow areas where the daylight sensor cannot be placed 1 H–2H from windows, place sensor near windows facing into space

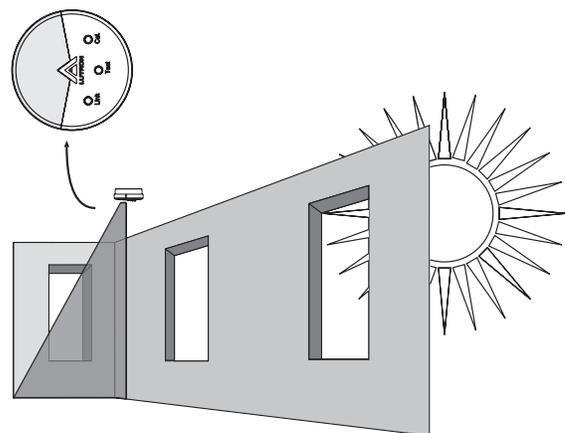
### Location for average size areas

Arrow points toward the area viewed by the sensor (toward windows)



### Location for narrow areas (corridors, private offices)

Arrow points toward the area viewed by the sensor (away from window)





Shown: Stairwell LED fixture



The stairwell LED fixture provides an energy-saving solution with a concealed wireless control and architectural design. Utilizing integral LEDs as the light source lowers power usage and maintenance, saving up to 80% of lighting energy while meeting building codes and standards.

### Product family features

- Lutron dimming LED driver standard
- Concealed wireless control (PowPak stairwell controller)
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Radio Powr Savr occupancy sensors
- Frosted acrylic lens
- 80% occupied, 20% unoccupied default
- Integral 4000K color temperature LED module
- 120–277V universal input voltage
- Vandal-resistant option available
- Optional emergency driver backup available
- Communicates at 434 MHz frequency

### Dimensions and mounting

- 1' x 4' fixture (standard; shown above)
- Length: 52.25 in (1327 mm)  
Height: 3.75 in (95 mm)  
Width: 3.25 in (83 mm)
- Can be surface mounted to wall or ceiling
- 1' x 2' model also available

### Related components

(required for the solution to work)



Radio Powr Savr  
occupancy sensors  
(see pp. 204 and 206)

## How to order a stairwell LED fixture

### Example model number

(1' x 4', low power, 22W stairwell LED fixture with 80% occupied and 20% unoccupied preset)

FX SW LX 4L  
1 2 3 4

### Fixture Options

- 1 Product**  
FX = Fixtures

---

- 2 Family**  
SW = Stairwell

---

- 3 Fixture type**  
LX = LED, 4000K  
LE = LED, 4000K w/ Emergency Driver

---

- 4 Size**  
2L = 1' x 2' Low Power 16W, 1900lm  
2H = 1' x 2' High Power 32W, 3500lm  
4L = 1' x 4' Low Power 22W, 2800lm  
4H = 1' x 4' High Power 42W, 5100lm

8 ft vandal-resistant, 347 V, 3500K color temperature, differing preset occupied/unoccupied, emergency power level, and custom options available. Contact fixtures customer service at [fixtures@lutron.com](mailto:fixtures@lutron.com).



Shown: Stairwell fluorescent fixture; lamps not included



The stairwell fluorescent fixture is a T5 or T8 fixture available in 2 ft, 4 ft, and 8 ft models. This solution can save up to 70% of lighting energy and meet building codes and standards.

## Product family features

- Lutron dimming fluorescent ballast standard
- Integral wireless control (PowPak stairwell controller)
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Radio Powr Savr occupancy sensors
- Frosted acrylic lens
- 80% occupied, 20% unoccupied default
- 1, 2, or 4 lamp options available
- Available for T8, reduced wattage T8, T5HE, or T5HO lamp types
- 120–277 V universal input voltage
- Vandal-resistant option available
- Optional emergency ballast backup available
- Communicates at 434 MHz frequency

## Dimensions and mounting

- 1' x 4' fixture (standard; shown above)
- Length: 52.25 in (1327 mm)  
Height: 3.75 in (95 mm)  
Width: 3.25 in (83 mm)
- Can be surfaced mounted to wall or ceiling
- 1' x 2' and 1' x 8' models also available

## Related components

(required for the solution to work)



Radio Powr Savr  
occupancy sensors  
(see pp. 204 and 206)

## How to order a stairwell fluorescent fixture

### Example model number

(1' x 4', 2 lamp, 32W stairwell fluorescent fixture with 80% occupied and 20% unoccupied preset)

FX SW XX 14 SL 2 32 U 82 SM XX WH  
 1 2 3 4 5 6 7 8 9 10 11 12

### Fixture Options

- 1 Product**  
FX = Fixtures

---

- 2 Family**  
SW = Stairwell

---

- 3 Fixture type**  
XX = Standard  
VR = Vandal Resistant

---

- 4 Size**  
12 = 1' x 2'  
14 = 1' x 4'  
18 = 1' x 8'

---

- 5 Lens options**  
SL = Standard Lens

---

- 6 Lamps**  
1 = 1 Lamp  
2 = 2 Lamps  
4 = 4 Lamps (1' x 8' only)

---

- 7 Lamp type**  
14 = 14 W T5HE (1' x 2' only)  
17 = 17 W T8 (1' x 2' only)  
24 = 24 W T5HO (1' x 2' only)  
28 = 28 W T5HE (1' x 4' only)  
32 = 32 W T8 (1' x 4' only)  
54 = 54 W T5HO (1' x 4', 1 lamp only)  
RW = 25, 28, 30W T8,  
Reduced Wattage (1' x 4' only)

- 8 Region**  
U = UL – North America  
B = BAA (Buy American Act)

---

- 9 Control options**  
82 = 80% Occupied, 20% Unoccupied

---

- Mounting type**
- 10 SM = Surface Mount**

---

- Options**
- 11 XX = None**  
E1 = T8 Emergency Ballast  
E3 = T5HE Emergency Ballast  
E5 = T5HO Emergency Ballast

---

- Color Finish**
- 12 WH = Matte White**

347 V, differing preset occupied/unoccupied, emergency, and custom options available. Contact fixtures customer service at [fixtures@lutron.com](mailto:fixtures@lutron.com).

Kit includes:



Pre-wired ballast



Wireless control and wallplate



Rapid-start sockets (optional)



Stairwell fluorescent retrofit kit solution (up to three kits per box)

The stairwell fluorescent retrofit kit solution allows you to transform high-cost/high-maintenance fixtures into energy efficient solutions through the addition of dimming/occupancy sensing capabilities and updating your fixture with more efficient lamps (i.e. T12 to T5). We also group the components you need—per fixture—together, instead of shipping everything in separate boxes.

## Product family features

- Pre-wired Lutron dimming fluorescent ballast for T8, T5HE, or T5HO lamp types
- Wireless control (PowPak stairwell controller)
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Radio Powr Savr occupancy sensors
- 80% occupied, 20% unoccupied default
- Wallplate (Claro® single gang)
- Rapid-start sockets (optional)
- Compatible with 2', 3', 4', or 8' fixtures
- 1, 2, or 4 lamp options available
- 120–277 V universal input voltage
- Communicates at 434 MHz frequency

## Related components

(required for the solution to work)



Radio Powr Savr occupancy sensors (see pp. 204 and 206)

## How to order a stairwell fluorescent retrofit kit solution

### Example model number

(1' x 2', 2 lamp, 17W stairwell fluorescent retrofit kit with 80% occupied and 20% unoccupied preset)

FXRS SW XX 12 2 17 U 82 XX  
 1 2 3 4 5 6 7 8 9

### Fixture Options

- 1 Product**  
**FXRS** = Fluorescent Retrofit Kit Solution

---

- 2 Family**  
**SW** = Stairwell

---

- 3 Fixture type**  
**XX** = Standard

---

- 4 Size**  
**12** = 1' x 2'  
**13** = 1' x 3'  
**14** = 1' x 4'  
**18** = 1' x 8'

---

- 5 Lamps**  
**1** = 1 Lamp  
**2** = 2 Lamps  
**3** = 3 Lamps (T8 only)  
**4** = 4 Lamps

---

- 6 Lamp type**  
**14** = 14W T5HE (1' x 2' only)  
**17** = 17W T8 (1' x 2' only)  
**21** = 21W T5HE (1' x 3' only)  
**24** = 24W T5HO (1' x 2' only)  
**25** = 25W T8 (1' x 3' only)  
**28** = 28W T5HE (1' x 4' only)  
**32** = 32W T8 (1' x 4' only)  
**39** = 39W T5HO (1' x 3' only)  
**54** = 54W T5HO (1' x 4' only)  
**RW** = 25, 28, 30W T8  
 Reduced Wattage (1' x 4' only)

- 7 Region**  
**U** = UL – North America

---

- 8 Control options**  
**82** = 80% Occupied, 20% Unoccupied

---

- 9 Socket options**  
**XX** = None  
**SK** = Sockets\*

Custom options available. Contact fixtures customer service at [fixtures@lutron.com](mailto:fixtures@lutron.com).

\* Two rapid-start sockets per lamp; each lamp gets 18" of power leads (white, black) and 40" of lamp leads (yellow, blue) per lamp.



Shown: Serena battery-powered roller shade



Shown: Serena battery-powered honeycomb shade

### Product family features

- Battery-powered, wire-free, remote controlled shades
- Ultra-quiet operation
- Set multiple shades in motion with a single button press
- Adjust shades from anywhere in the home with a wireless remote (see pp. 184 and 218) or from anywhere in the world with the Lutron App and Smart Bridge (see p. 156)
- Radio frequency (RF) control uses Lutron Clear Connect RF technology
- RF shades communicate at 434 Hz frequency
- Lutron power technology utilizes a hybrid drive design and ultra-efficient standby power, which provides long battery life
- Cordless design creates a safe solution for homes with children and pets
- Shades are offered in a variety of fabrics, colors, textures, and opacities
- Manual version also available

For more information visit [lutron.com/serena](https://lutron.com/serena)

## Roller shades

This contemporary and stylish window treatment combines superior functionality with a clean and elegant aesthetic. The innovative headrail simply tips forward to reveal the battery tray, making changing the batteries effortless, without ever removing the shade.

Shades are available in a variety of fabric colors and textures. Choose from sheer, translucent, and blackout fabric options.



### Sheer

- Open weaves preserve views to outside and filter sunlight
- Ideal for rooms where complete privacy is not necessary



### Translucent

- Tighter weaves transform harsh daylight into a soft, filtered glow
- Provides increased privacy for spaces like bathrooms



### Blackout

- Opaque fabrics block light from entering the space
- Ideal for bedrooms and media rooms to achieve complete privacy

## Honeycomb shades

This stylish, functional, automated shade adds convenience, enhances décor, and saves energy. Air pockets trap heat to provide superior insulation for enhanced HVAC energy efficiency.

When selecting a shade fabric, you don't need to sacrifice fashion for function. Exclusive Tap n' Tilt technology makes changing the batteries effortless, without ever removing the shade. Whether you want to cut glare, add insulation, or block sunlight, you can choose from a beautiful palette of colors and textures that will meet those needs, all while adding a signature look to every space.



### Light-filtering – Single-cell

- Transforms harsh daylight into a soft, filtered glow
- Provides varying levels of privacy from the outside
- Saves energy with insulating fabric and design



### Light-filtering – Double-cell

- Allows some light to filter into the space
- Saves even more energy with double-cell insulating design



### Room-darkening – Single-cell

- Blocks light from entering into a space
- Creates complete privacy from the outside
- Saves the most energy due to aluminum lining

Check out our wide range of colors at [lutron.com/Serena](https://lutron.com/Serena) or download the **Lutron Fabric Collections app** on the App Store®. App Store is a trademark of Apple, Inc., registered in the U.S. and other countries.

## Control options

### Pico wireless remotes



- 5-button wireless control for shades features full-open, full-closed, raise or lower, and a programmable circular “favorite” button
- Communicates using Lutron reliable Clear Connect radio frequency (RF) technology
- Remote signal does not require line-of-sight
- For more information on Pico wireless remotes, see p. 184

### Serena RF 4-group remote control



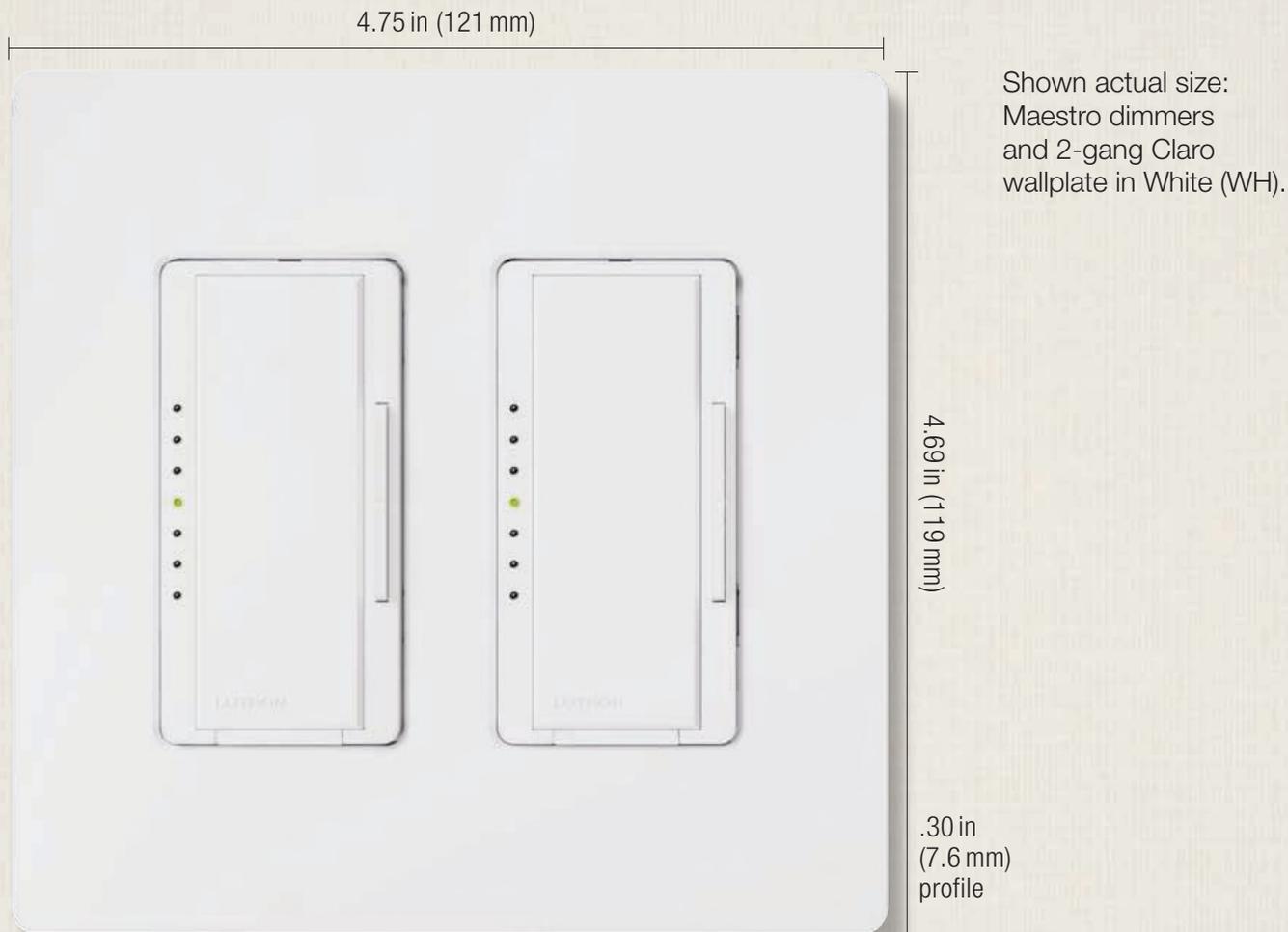
- Allows you to control four separate groups of one or more shades
- Select a group (1, 2, 3, 4, or All), then control that group with full-open /full-close, raise/lower, or the silver “favorite” button
- Communicates using Lutron reliable Clear Connect radio frequency (RF) technology
- Remote signal does not require line-of-sight
- Available in White only
- Model: CS-YJ-4GC-WH

### The Lutron App and Smart Bridge



- Monitor and control your shades, lights, and other compatible home devices, such as thermostats, from anywhere in the world
- Add personalized scenes to control multiple shades and/or lights together at the touch of a button
- Schedule shades and lights to automatically adjust at set times of the day
- Offers geofencing feature that controls shades and lights based on your location
- Allows for voice activated shade and light control
- Use the Smart Bridge PRO for integration with Lutron Sivoia QS Triathlon shades
- For more information on the Lutron App and Smart Bridges, see p. 156





### Product family features

- Can be used in conjunction with the following dimmer(s), switch(es), sensor(s), and accessories: Caséta Wireless, Diva, Luméa Maestro, Maestro Wireless, Pico wireless, Skylark, Skylark Contour, and Vive Maestro Wireless controls, and Claro, Satin Colors, and Vive accessories
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Full line of wiring devices in Designer style opening
- Blank inserts available for Gloss (DV-BI-) and Satin Colors (SC-BI-)
- Customize your designer wallplate with engraving; visit [lutron.com/engraving](http://lutron.com/engraving) to get started

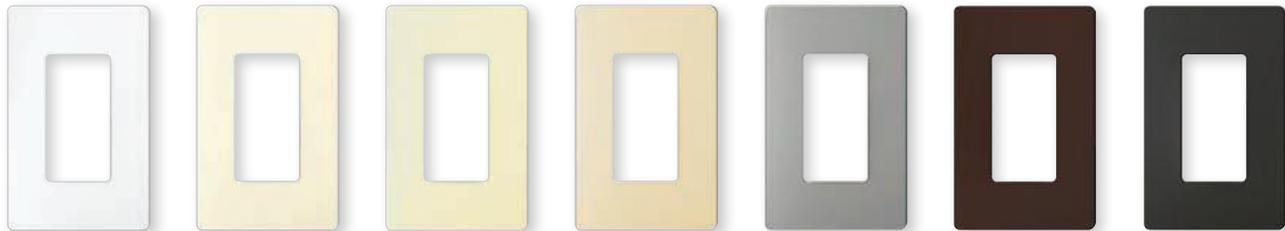
### Ganging and derating

- Designer wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging); see p. 248
- May require derating (i.e., reduction of dimmer capacity due to fin removal); see Derating Tables, see pp. 251 and 254–257

**Available finishes**

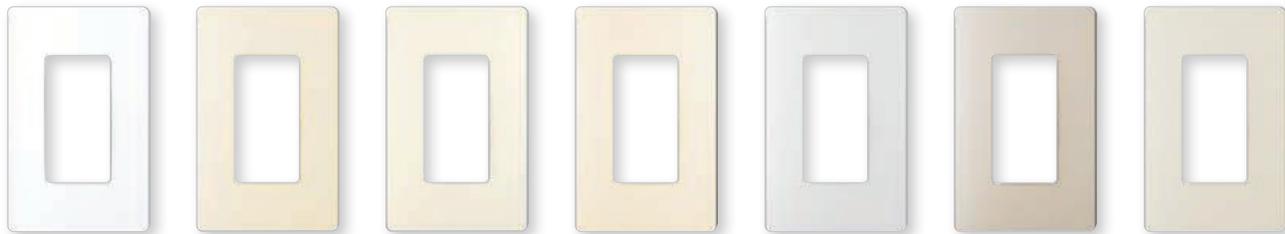
Use **BOLD** color code in model number (Example: SC-1-**PL**)

Gloss

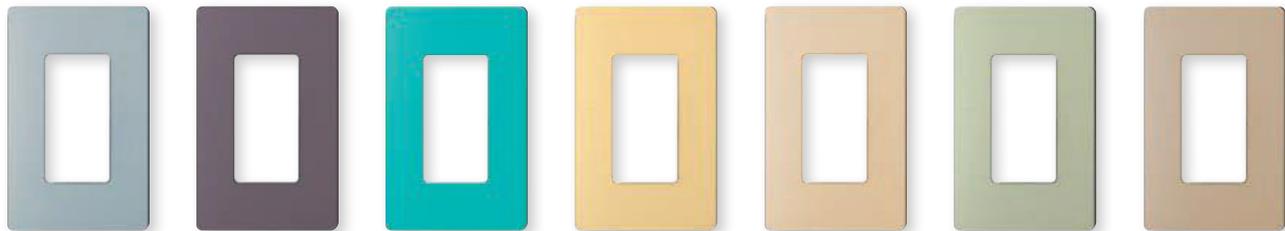


**WH** White      **LA** Light Almond      **AL** Almond      **IV** Ivory      **GR** Gray      **BR** Brown      **BL** Black

Satin Colors

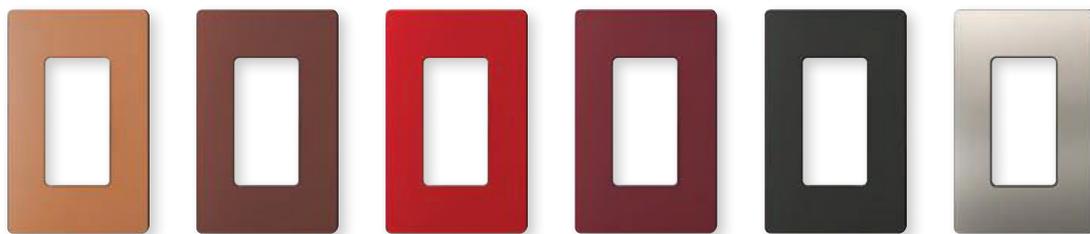


**SW** Snow      **LS** Limestone      **BI** Biscuit      **ES** Eggshell      **PD** Palladium      **TP** Taupe      **ST** Stone



**BG** Bluestone      **PL** Plum      **TQ** Turquoise      **GS** Goldstone      **DS** Desert Stone      **GB** Greenbriar      **MS** Mocha Stone

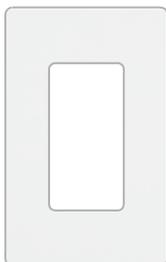
Metal\*



**TC** Terracotta      **SI** Sienna      **HT** Hot      **MR** Merlot      **MN** Midnight      **SS** Stainless Steel

\* Stainless Steel metal wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

**Wallplates for Caséta Wireless, Diva, Luméa, Maestro, Maestro Wireless, Pico wireless, Skylark, Skylark Contour, and Vive Maestro Wireless controls, and Claro, Satin Colors, and Vive accessories**



1-gang<sup>\*,\*\*</sup>

CW-1-**XX**<sup>1</sup>  
SC-1-**XX**<sup>2</sup>

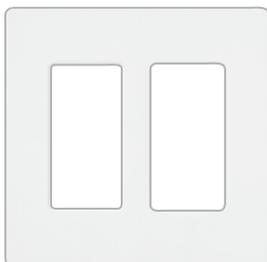
W: 2.94 in (75 mm); H: 4.69 in (119 mm)  
P: .30 in (7.6 mm)



4-gang<sup>\*,\*\*</sup>

CW-4-**XX**<sup>1</sup>  
SC-4-**XX**<sup>2</sup>

W: 8.37 in (213 mm); H: 4.69 in (119 mm);  
P: .30 in (7.6 mm)



2-gang<sup>\*,\*\*</sup>

CW-2-**XX**<sup>1</sup>  
SC-2-**XX**<sup>2</sup>

W: 4.75 in (121 mm); H: 4.69 in (119 mm);  
P: .30 in (7.6 mm)



5-gang<sup>\*</sup>

CW-5-**XX**<sup>1</sup>  
SC-5-**XX**<sup>2</sup>

W: 10.18 in (259 mm); H: 4.69 in (119 mm);  
P: .30 in (7.6 mm)



3-gang<sup>\*,\*\*</sup>

CW-3-**XX**<sup>1</sup>  
SC-3-**XX**<sup>2</sup>

W: 6.56 in (167 mm); H: 4.69 in (119 mm);  
P: .30 in (7.6 mm)

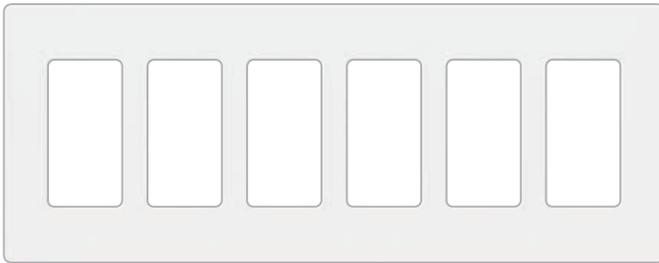
**XX**<sup>1</sup>: Gloss and metal color codes,  
see p. 221

**XX**<sup>2</sup>: Satin Colors codes, see p. 221

Multi-gang dimmer installations may require derating, see pp. 251 and 254–257.

\* Stainless Steel metal wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

\*\* **Bulk packaging available for Gloss colors. For more information, contact Customer Service at 1.888.LUTRON1.**

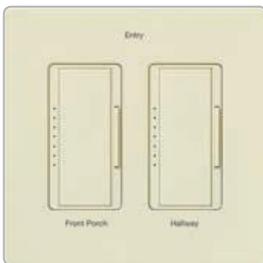


6-gang\* CW-6-**XX**<sup>1</sup>  
SC-6-**XX**<sup>2</sup>

W: 12.00 in (305 mm); H: 4.69 in (119 mm);  
P: .30 in (7.6 mm)

**Important note**

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).



Custom engraving available for all Designer, Traditional, New Architectural, and Architectural style wallplates (except Stainless Steel). For wallplate engraving schedules, go to [lutron.com/engraving](http://lutron.com/engraving).

Multi-gang dimmer installations may require derating, see pp. 251 and 254–257.

\* Stainless Steel metal wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

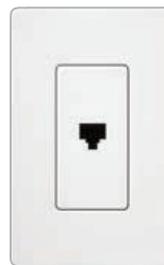
**Cable jacks**



- F-style, 75-Ohm coaxial cable
- Wallplate sold separately

Single cable jack CA-CJ-**XX**<sup>3</sup>  
SC-CJ-**XX**<sup>2</sup>

**Telephone jacks**



- 6-conductor telephone jack, RJ11
- Wallplate sold separately

Single telephone jack CA-PJ-**XX**<sup>3</sup>  
SC-PJ-**XX**<sup>2</sup>

**XX**<sup>1</sup>: Gloss and metal color codes, see p. 221

**XX**<sup>2</sup>: Satin Colors codes, see p. 221

**XX**<sup>3</sup>: Gloss color codes, see p. 221

### 6-port frame



- Shipped with six blanks in matching colors
- Connectors and wallplate sold separately
- Connectors snap in (no tools required)
- Connectors available in White (WH), unless noted

#### Field customizable 6-port frame

6-port frame	CA-6PF- <b>XX</b> <sup>1</sup>
	SC-6PF- <b>XX</b> <sup>2</sup>

### Connectors for 6-port frame



#### Telephone/network jacks

8-conductor, RJ45 category 5e	CON-1P-C5E- <b>XX</b> <sup>3</sup>
8-conductor, RJ45 category 6	CON-1P-C6- <b>XX</b> <sup>3</sup>



#### Fiber jacks

MT-RJ feed through	CON-1F-MTRJ-WH
SC simplex	CON-1F-SC-WH
LC non-flush mount	CON-1F-LC-WH
ST-style	CON-1F-ST-WH



#### Cable jack

F-style, 75-Ohm coaxial cable	CON-1C- <b>XX</b> <sup>3</sup>
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#### BNC jack

BNC connector, 50-Ohm	CON-1B-WH
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Connectors only for use with 6-port frame.

### Receptacles



- Tamper-resistant receptacles include tamper resistant shutter mechanism (shutters are white)
- Wallplate sold separately

#### Receptacles

15A 125V	CAR-15- <b>XX</b> <sup>1</sup>	SCR-15- <b>XX</b> <sup>2</sup>
20A 125V	SCR-20- <b>XX</b> <sup>2</sup>	

#### Tamper-resistant receptacles

15A 125V	CARS-15-TR- <b>XX</b> <sup>1</sup>	SCRS-15-TR- <b>XX</b> <sup>2</sup>
20A 125V	SCRS-20-TR- <b>XX</b> <sup>2</sup>	

### USB receptacles



- Includes two USB ports
- Ports are rated for a minimum of 10,000 insertions and removals
- Wallplate sold separately

#### Tamper-resistant USB receptacles

15A 125V	CAR-15-UBTR- <b>XX</b> <sup>1</sup>	SCR-15-UBTR- <b>XX</b> <sup>2</sup>
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**XX**<sup>1</sup>: Gloss color codes, see p. 221  
**XX**<sup>2</sup>: Satin Colors codes, see p. 221  
**XX**<sup>3</sup>: Available in White (WH) and Black (BL)

**GFCI Receptacles**



- Self-testing technology allows GFCI to automatically check proper operation every 30 seconds
- LEDs indicate status of GFCI protection function
- Press reset button to reset GFCI after circuit interruption
- Wallplate sold separately

**Tamper-resistant, self-testing GFCI receptacles**

15A 125V, GFCI	CAR-15-GFST- <b>XX</b> <sup>1</sup> SCR-15-GFST- <b>XX</b> <sup>2</sup>
20A 125V, GFCI	SCR-20-GFST- <b>XX</b> <sup>2</sup>

**Receptacles for dimming use**



- Duplex for dimming both connected loads
- Projecting nubs prevent standard plugs from being used
- Requires replacement plug for dimming table and floor lamps
- Tamper-resistant shutter mechanism
- Wallplate sold separately

**Dual dimming, tamper-resistant receptacles**

15A 120/125V	CAR-15-DDTR- <b>XX</b> <sup>1</sup> SCR-15-DDTR- <b>XX</b> <sup>2</sup>
20A 120/125V	CAR-20-DDTR- <b>XX</b> <sup>1</sup> SCR-20-DDTR- <b>XX</b> <sup>2</sup>

**Receptacles for half dimming use**



- Top half for dimming
- Projecting nub prevents standard plug from being used
- Requires replacement plug for dimming table and floor lamps
- Bottom half is a general use receptacle and will fit standard duplex plugs
- Tamper-resistant shutter mechanism
- Wallplate sold separately

**Half dimming, tamper-resistant receptacles**

15A 120/125V	CAR-15-HDTR- <b>XX</b> <sup>1</sup> SCR-15-HDTR- <b>XX</b> <sup>2</sup>
20A 120/125V	CAR-20-HDTR- <b>XX</b> <sup>1</sup> SCR-20-HDTR- <b>XX</b> <sup>2</sup>

**XX**<sup>1</sup>: Gloss color codes, see p. 221  
**XX**<sup>2</sup>: Satin Colors codes, see p. 221

**Replacement plug for dimming**



- This plug required for use with Lutron receptacles for dimming use—plug will also work in standard receptacle
- Easily replaces the existing plugs on lamps

**Replacement dimming plugs**

120/125V	RP-FDU-10- <b>XX</b> <sup>1</sup>
UL/CSA/NOM regulatory approvals.	

**Important notes**

- Receptacles and plugs for dimming use are UL Listed for use with all Lutron wallbox dimmers included in this catalog.
- If there is only one electrical feed to the receptacle, then the duplex DFDU must be used.
- If the hot and dimmed hot feeds to the split duplex HFDU are supplied from different circuits or split-wired with separate switch-legs, a means to simultaneously disconnect these circuits must be provided at the panel board where they originate (NEC 210.7(C) 2002 Edition). A 2-pole circuit breaker or two single-pole circuit breakers with an approved handle tie can be used to accomplish this simultaneous disconnect. Feed-through dimming panels, which are those without breakers, are recommended when using the HFDU.
- For more information on dimming lamps consult Lutron Application Note #109, Guide to Dimming Portable Lamps via Receptacles, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

**Mechanical switches**



- Paddle turns on/off
- Use with any 15A load
- General purpose switching of all sources and motor loads
- No derating if ganged
- Wallplate sold separately

**General purpose switches**

Single-pole*	CA-1PS- <b>XX</b> <sup>2</sup>
120/277V 15A	SC-1PS- <b>XX</b> <sup>3</sup>
3-way*	CA-3PS- <b>XX</b> <sup>2</sup>
120/277V 15A	SC-3PS- <b>XX</b> <sup>3</sup>
4-way	CA-4PS- <b>XX</b> <sup>2</sup>
120/277V 15A	SC-4PS- <b>XX</b> <sup>3</sup>

**General purpose switches with locator light**

Single-pole	CA-1PSNL- <b>XX</b> <sup>4</sup>
120V 15A	SC-1PSNL- <b>XX</b> <sup>5</sup>
3-way	CA-3PSNL- <b>XX</b> <sup>4</sup>
120V 15A	SC-3PSNL- <b>XX</b> <sup>5</sup>
4-way	CA-4PSNL- <b>XX</b> <sup>4</sup>
120V 15A	SC-4PSNL- <b>XX</b> <sup>5</sup>

**XX**<sup>1</sup>: Available in White (WH) and Brown (BR)

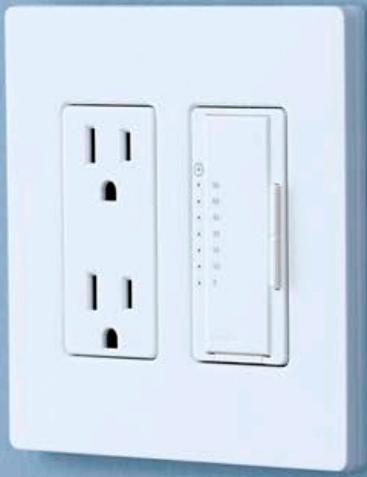
**XX**<sup>2</sup>: Gloss color codes, see p. 221

**XX**<sup>3</sup>: Satin Colors codes, see p. 221

**XX**<sup>4</sup>: Available in Gloss Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)

**XX**<sup>5</sup>: Available in Satin Colors Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), Sea Glass (SG), and Snow (SW)

\* **Bulk packaging available for gloss colors. For more information, contact Customer Service at 1.888.LUTRON1.**





## Product family features

- Can be used in conjunction with the following dimmer(s) and switch(es): Ariadni and Rotary
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Traditional wallplates can be paired with designer accessories to complete the look of any room
- Customize your Fassada wallplate with engraving; visit [lutron.com/engraving](http://lutron.com/engraving) to get started

## Ganging and derating

- Traditional wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see p. 248
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, pp. 250 and 258

**Available finishes**

Use **BOLD** color code in model number (Example: FG-1-**AL**)

Gloss



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**BL**  
Black

Metal\*



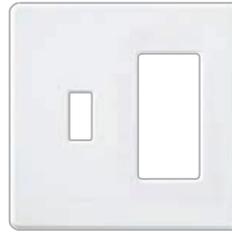
**SS**  
Stainless Steel

\* Stainless Steel metal wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls.

**Wallplates for Ariadni and Rotary**



1-gang  
 FG-1-**XX**<sup>1</sup>  
 FW-1-SS\*  
 W: 2.86 in (73 mm); H: 4.60 in (117 mm);  
 P: .23 in (5.8 mm)

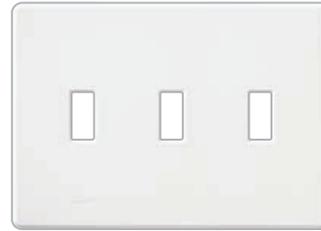


Rotate the wallplate for small/large or large/small opening applications.

2-gang, with one traditional opening and one designer opening  
 FG-2-TD-**XX**<sup>1</sup>  
 FW-2-TD-SS\*  
 W: 4.67 in (119 mm); H: 4.60 in (117 mm);  
 P: .23 in (5.8 mm)



2-gang  
 FG-2-**XX**<sup>1</sup>  
 FW-2-SS\*  
 W: 4.67 in (119 mm); H: 4.60 in (117 mm);  
 P: .23 in (5.8 mm)



3-gang  
 FG-3-**XX**<sup>1</sup>  
 FW-3-SS\*  
 W: 6.48 in (165 mm); H: 4.60 in (117 mm);  
 P: .23 in (5.8 mm)



Custom engraving available for all Designer, Traditional, New Architectural, and Architectural, style wallplates (except Stainless Steel). For wallplate engraving schedules, go to [lutron.com/engraving](http://lutron.com/engraving).

**Important notes**

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

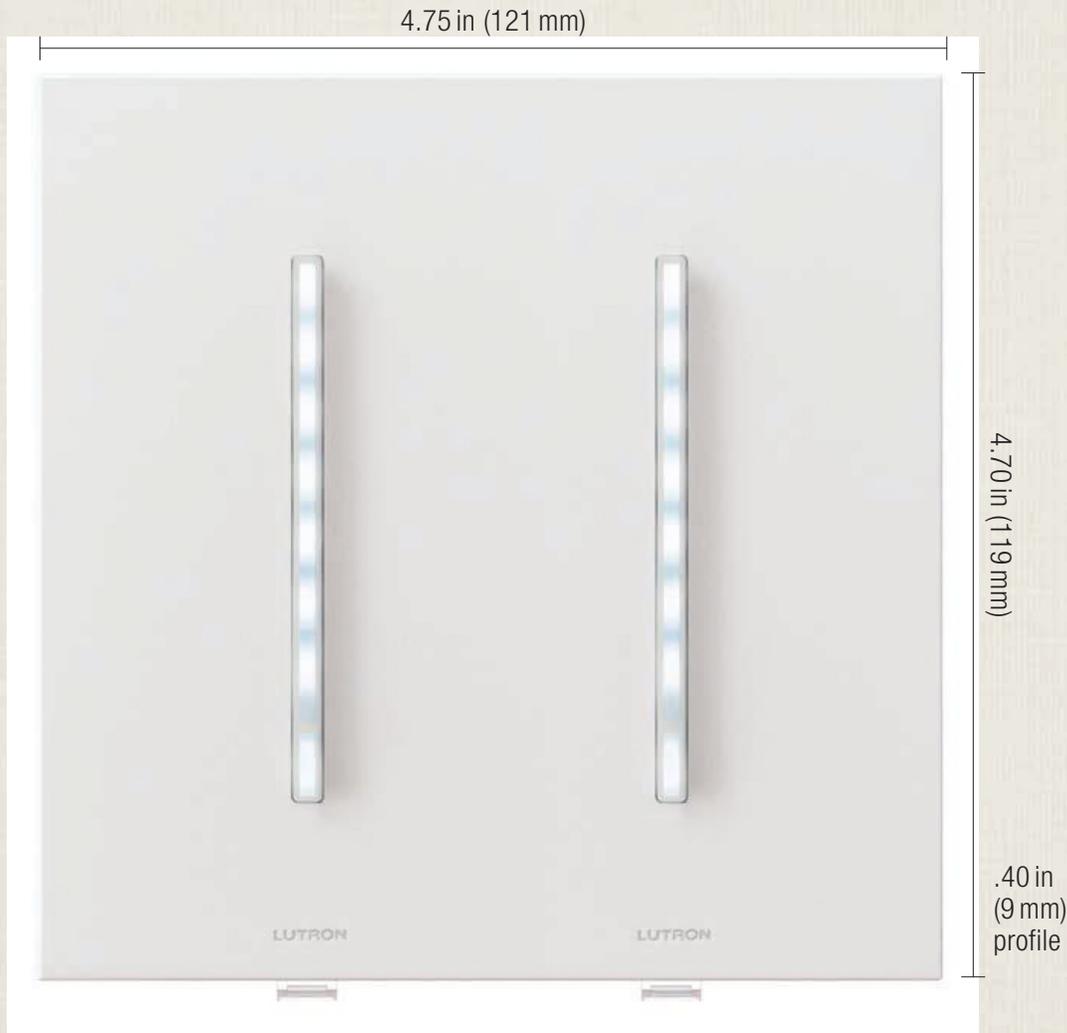
Controls must have heat-sink fins broken for multi-gang installations.

Multi-gang dimmer installations may require derating, see pp. 250 and 258.

\* Stainless Steel metal wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls.

**XX**<sup>1</sup>: Gloss color codes, see p. 229





Shown actual size:  
GRAFIK T dimmers in a  
2-gang New Architectural  
wallplate in White (WH).

## Product family features

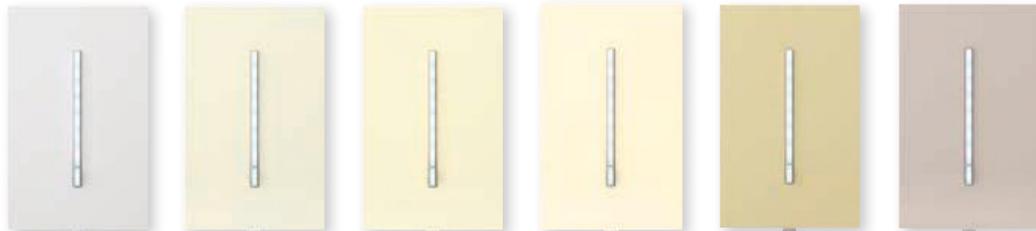
- Can be used in conjunction with the following dimmer(s), switch(es), and accessories: GRAFIK T controls and New Architectural accessories
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- New Architectural wallplates are aesthetically matched to New Architectural accessories to complete the look of any room
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch or sample; contact customer service at 1.888.LUTRON1 for more information
- Customize your New Architectural wallplate with engraving; visit [lutron.com/engraving](https://lutron.com/engraving) to get started

## Ganging and derating

- New Architectural wallplates use standard ganging
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, see pp. 250–253

## Available finishes

### Architectural matte



**WH**  
White

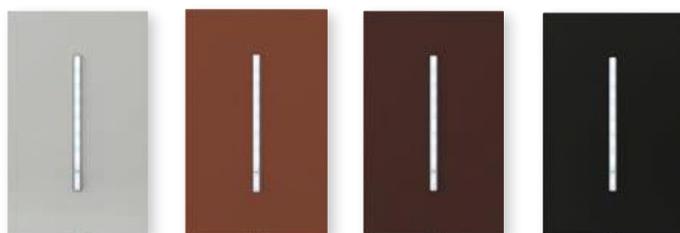
**LA**  
Light Almond

**AL**  
Almond

**BE**  
Beige

**IV**  
Ivory

**TP**  
Taupe



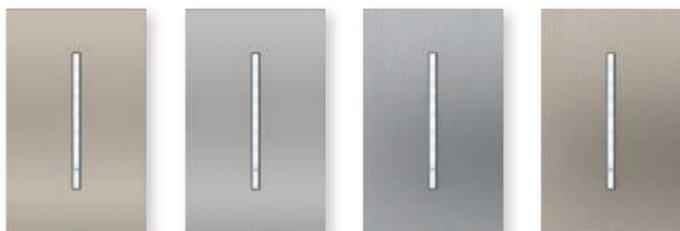
**GR**  
Gray

**SI**  
Sienna

**BR**  
Brown

**BL**  
Black

### Architectural metal

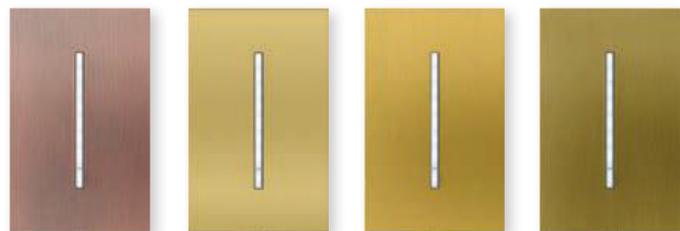


**BN**  
Bright Nickel

**BC**  
Bright Chrome

**SC**  
Satin Chrome

**SN**  
Satin Nickel



**QZ**  
Antique Bronze

**BB**  
Bright Brass

**SB**  
Satin Brass

**QB**  
Antique Brass

### Architectural glass



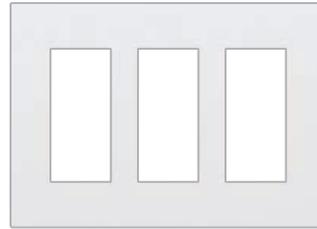
**CWH**  
Clear Glass



## Wallplates for GRAFIK T controls and New Architectural accessories (continued)



3-gang, for three dimmers or switches  
 LWT-GGG-**XX**<sup>1</sup>  
 LWT-GGG-**XXX**<sup>2</sup>  
 W: 6.60in (167mm); H: 4.70in (119mm);  
 P: .40in (9mm)



3-gang, for three accessories  
 LWT-U-PPP-**XX**<sup>1</sup>  
 LWT-U-PPP-**XXX**<sup>2</sup>  
 W: 6.60in (167mm); H: 4.70in (119mm);  
 P: .40in (9mm)



4-gang, for four dimmers or switches  
 LWT-GGGG-**XX**<sup>1</sup>  
 LWT-GGGG-**XXX**<sup>2</sup>  
 W: 8.40in (213mm); H: 4.70in (119mm);  
 P: .40in (9mm)

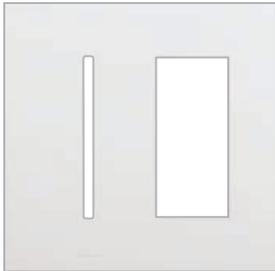


4-gang, for four accessories  
 LWT-U-PPPP-**XX**<sup>1</sup>  
 LWT-U-PPPP-**XXX**<sup>2</sup>  
 W: 8.40in (213mm); H: 4.70in (119mm);  
 P: .40in (9mm)

**XX**<sup>1</sup>: Architectural matte and metal color codes, see p. 233

**XXX**<sup>2</sup>: Architectural glass color code, see p. 233

Multi-gang dimmer installations may require derating, see pp. 250–257.




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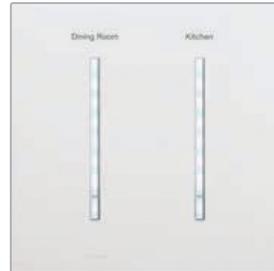
2-gang, for one dimmer or switch and one accessory      LWT-GT-**XX**<sup>1</sup>  
 LWT-GT-**XXX**<sup>2</sup>  
 2-gang, for one accessory and one dimmer or switch      LWT-TG-**XX**<sup>1</sup>  
 LWT-TG-**XXX**<sup>2</sup>  
 W: 4.75 in (121 mm); H: 4.70 in (119 mm);  
 P: .40 in (9 mm)

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Contact customer service at 1.888.LUTRON1 to inquire about additional configurations.

### Important notes

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

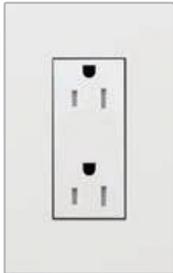


Custom engraving available for all Designer, Traditional, New Architectural, and Architectural style wallplates (except Stainless Steel). For wallplate engraving schedules, go to [lutron.com/engraving](http://lutron.com/engraving).

**XX**<sup>1</sup>: Architectural matte and metal color codes, see p.233

**XXX**<sup>2</sup>: Architectural glass color codes, see p.233

## Receptacles



- Available with or without 1-gang wallplate<sup>\*,\*\*</sup>

### Tamper-resistant receptacles with wallplate

15A 125V	LTR-F15-TR- <b>XX</b> <sup>1</sup>
20A 125V	LTR-F20-TR- <b>XX</b> <sup>1</sup>

### Tamper-resistant receptacles without wallplate

15A 125V	LTR-15-TR- <b>XX</b> <sup>2</sup>
20A 125V	LTR-20-TR- <b>XX</b> <sup>2</sup>

## USB receptacles



- Includes two USB ports
- Ports are rated for a minimum of 10,000 insertions and removals
- Available with or without 1-gang wallplate<sup>\*,\*\*</sup>

### Tamper-resistant USB receptacle with wallplate

15A 125V	LTR-F15-UBTR- <b>XX</b> <sup>1</sup>
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### Tamper-resistant USB receptacle without wallplate

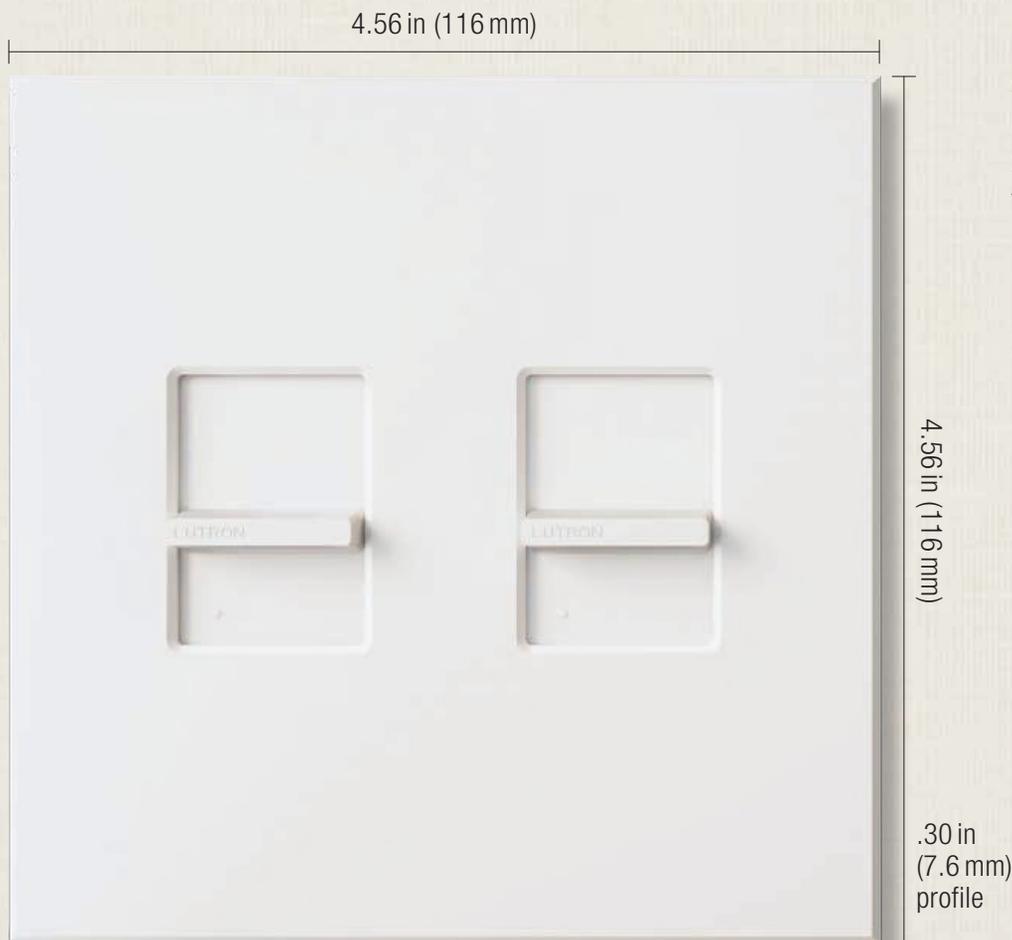
15A 125V	LTR-15-UBTR- <b>XX</b> <sup>2</sup>
----------	-------------------------------------

**XX**<sup>1</sup>: Architectural matte, metal, and glass color codes, see p.233 (1-gang wallplate included)

**XX**<sup>2</sup>: Architectural matte and glass color codes, see p.233

\* Matte and glass finishes are available with or without wallplate. When glass finish is ordered with a wallplate, the receptacle will be Gloss White.

\*\* Metal finishes are only available with a wallplate. When metal finish is ordered, the receptacle will be Matte Black.



Shown actual size:  
Nova T☆ dimmers and  
2-gang Architectural  
wallplate in White (WH).

## Product family features

- Can be used in conjunction with Nova T☆ and Vario dimmer(s) and switch(es), and Architectural accessories
- Metal and glass finish wallplates with accessory openings can also be used with Designer wallplate opening controls and Designer accessories
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Blank inserts available for accessory size opening (NT-BI-)
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch or sample; contact customer service at 1.888.LUTRON1 for more information
- Customize your Architectural wallplate with engraving or by adding a corporate logo; visit [lutron.com/engraving](http://lutron.com/engraving) to get started

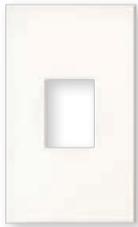
## Ganging and derating

- Architectural wallplates in this section use standard ganging
  - Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see p. 248
  - May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, pp. 250–253
  - Custom multi-gang wallplates required for the following cases
    - Full-capacity ganging (“No Fins Broken”)
    - Large Nova T☆ controls (1500/2000 W)
    - Nova controls
    - Color change applications
- For more information visit [lutron.com/customganging](http://lutron.com/customganging).

## Available finishes

Use **BOLD** color code in model number (Example: VWP-2-**SI**)

Architectural matte



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**BE**  
Beige



**IV**  
Ivory



**TP**  
Taupe



**GR**  
Gray



**SI**  
Sienna



**BR**  
Brown



**BL**  
Black

Architectural metal\*



**BN**  
Bright Nickel



**BC**  
Bright Chrome



**CLA**  
Clear Anodized  
Aluminum



**SC**  
Satin Chrome



**SN**  
Satin Nickel



**QZ**  
Antique Bronze



**AU**  
Gold Plated



**BB**  
Bright Brass



**BRA**  
Brass Anodized  
Aluminum



**SB**  
Satin Brass



**QB**  
Antique Brass



**BLA**  
Black Anodized  
Aluminum

Architectural glass\*\*



**CWH**  
Clear Glass

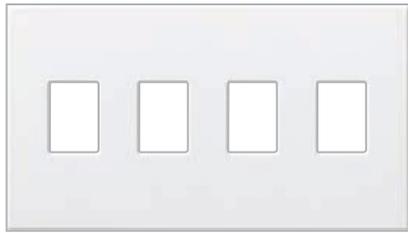


**GWH**  
Green Glass

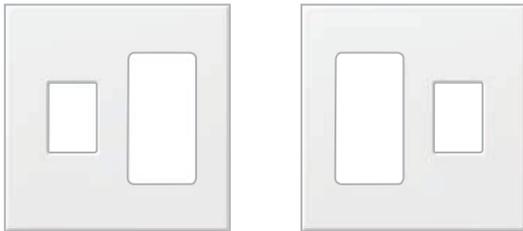
\* Metal wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls.

\*\* Glass wallplates include white plastic trim/adaptor, visible from side. Match with separate White (WH) or Snow (SW) controls.





4-gang, VWP-4-**XX**<sup>1</sup>  
 for four switches or dimmers  
 W: 8.45 in (215 mm); H: 4.56 in (116 mm);  
 P: .30 in (7.6 mm)



2-gang, for one dimmer or switch and one accessory VWP-2CR-**XX**<sup>1</sup>  
 2-gang, for one accessory VWP-2RC-**XX**<sup>1</sup>  
 and one dimmer or switch  
 W: 4.56 in (116 mm); H: 4.56 in (116 mm);  
 P: .30 in (7.6 mm)

**Important notes**

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

**XX**<sup>1</sup>: Architectural matte color codes, see p. 239

For metal finishes visit [lutron.com/customganging](http://lutron.com/customganging) for more information

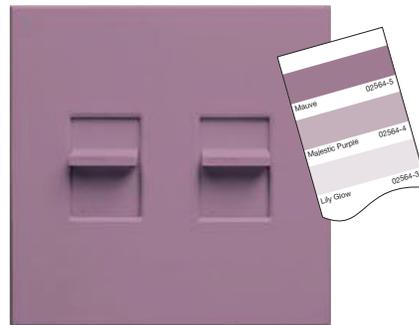
**Custom Architectural wallplates**

Custom configurations, colors, engraving, and silkscreenings available. Contact customer service at 1.888.LUTRON1.

Custom multi-gang wallplates required for the following cases:

- Multi-gang metal finishes
- Full-capacity ganging ("No Fins Broken")
- Large Nova T☆ controls (1500/2000W)
- Nova controls
- Color change applications

For more information, visit [lutron.com/customganging](http://lutron.com/customganging).



Custom coloring available for all Architectural matte finish wallplates.



Custom engraving available for all Designer, Traditional, New Architectural, and Architectural style wallplates (except Stainless Steel).

For wallplate engraving schedules, go to [lutron.com/engraving](http://lutron.com/engraving).

Multi-gang dimmer installations may require derating, see pp. 250–253.

## Cable jack



- F-style, 75-Ohm coaxial cable
- Includes 1-gang wallplate

Single cable jack\*

NT-CJ-**XX**<sup>1</sup>

## Telephone jack



- 6-conductor jack, RJ11
- Includes 1-gang wallplate

Single telephone jack\*

NT-PJ-**XX**<sup>1</sup>

## 6-port frame



- Shipped with six blanks in matching colors
- Connectors sold separately
- Connectors snap in (no tools required)
- Includes 1-gang wallplate
- Connectors available in White (WH) unless noted

## Field customizable 6-port frame

6-port frame\*

NT-6PF-**XX**<sup>1</sup>

## Connectors for 6-port frame



### Telephone/network jacks

8-conductor, RJ45 category 5e CON-1P-C5E-**XX**<sup>2</sup>

8-conductor, RJ45 category 6 CON-1P-C6-**XX**<sup>2</sup>

### Fiber jacks



MT-RJ feed through CON-1F-MTRJ-WH



SC simplex CON-1F-SC-WH



LC non-flush mount CON-1F-LC-WH



ST-style CON-1F-ST-WH



### Cable jack

F-style, 75-Ohm coaxial cable CON-1C-**XX**<sup>2</sup>



### BNC jack

BNC connector, 50-Ohm CON-1B-WH

Connectors only for use with 6-port frame.

**XX**<sup>1</sup>: Architectural matte color codes, see p. 239 (1-gang wallplate included)

**XX**<sup>2</sup>: Available in White (WH) and Black (BL)

\* Metal and glass finishes are only available as separate wallplates.

## Receptacles



- Includes 1-gang wallplate

### Receptacles

15A 125V	NTR-15- <b>XX</b> <sup>1</sup>
----------	--------------------------------

20A 125V	NTR-20- <b>XX</b> <sup>1</sup>
----------	--------------------------------

### Tamper-resistant receptacles\*

15A 125V	NTR-15-TR- <b>XX</b> <sup>1</sup>
----------	-----------------------------------

20A 125V	NTR-20-TR- <b>XX</b> <sup>1</sup>
----------	-----------------------------------

## GFCI receptacles



- Self-testing technology allows GFCI to automatically check proper operation every 30 seconds
- LEDs indicate status of GFCI protection function
- Press reset button to reset GFCI after circuit interruption
- Includes 1-gang wallplate

### Tamper-resistant, self-testing GFCI receptacles\*

15A 125V, GFCI	NTR-15-GFST- <b>XX</b> <sup>1</sup>
----------------	-------------------------------------

20A 125V, GFCI	NTR-20-GFST- <b>XX</b> <sup>1</sup>
----------------	-------------------------------------

## USB receptacles



- Includes two USB ports
- Ports are rated for a minimum of 10,000 insertions and removals
- Includes 1-gang wallplate

### Tamper-resistant USB receptacles\*

15A 125V	NTR-15-UBTR- <b>XX</b> <sup>1</sup>
----------	-------------------------------------

## Isolated ground receptacles



- Receptacle is orange for easy ID and circuit delineation
- Model number color code is for wallplate only
- Includes 1-gang wallplate

### Isolated ground receptacles\*

15A 125V	NTR-15-IG-OR- <b>XX</b> <sup>1</sup>
----------	--------------------------------------

20A 125V	NTR-20-IG-OR- <b>XX</b> <sup>1</sup>
----------	--------------------------------------

**XX**<sup>1</sup>: Architectural matte color codes, see p. 239 (1-gang wallplate included)

\* Metal and glass finishes are only available as separate wallplates.

## Receptacles for dimming use



- Duplex for dimming both connected loads
- Projecting nubs prevent standard plugs from being used
- Requires replacement plug for dimming table and floor lamps
- Includes 1-gang wallplate
- Tamper-resistant shutter mechanism

### Dual dimming, tamper-resistant receptacles\*

15A	120/125V	NTR-15-DDTR- <b>XX</b> <sup>1</sup>
20A	120/125V	NTR-20-DDTR- <b>XX</b> <sup>1</sup>

## Receptacles for half dimming use



- Top half for dimming
- Projecting nub prevents standard plug from being used
- Requires replacement plug for dimming table and floor lamps
- Bottom half is a general use receptacle and will fit standard duplex plugs
- Includes 1-gang wallplate
- Tamper-resistant shutter mechanism

### Half dimming, tamper-resistant receptacles\*

15A	120/125V	NTR-15-HDTR- <b>XX</b> <sup>1</sup>
20A	120/125V	NTR-20-HDTR- <b>XX</b> <sup>1</sup>

## Replacement plugs for dimming



- This plug required for use with Lutron receptacles for dimming use—plug will work in standard receptacle
- Easily replaces the existing plugs on lamps

### Replacement dimming plugs

120/125V	RP-FDU-10- <b>XX</b> <sup>2</sup>
UL/CSA/NOM regulatory approvals	

## Important notes

- Receptacles and plugs for dimming use are UL Listed for use with all Lutron wallbox dimmers included in this catalog.
- If there is only one electrical feed to the receptacle, then the duplex DFDU must be used.
- If the hot and dimmed hot feeds to the split duplex HFDU are supplied from different circuits or split-wired, with separate switch-legs, a means to simultaneously disconnect these circuits must be provided at the panel board where they originate (NEC 210.7(C) 2002 Edition). A 2-pole circuit breaker or two single-pole circuit breakers with an approved handle tie can be used to accomplish this simultaneous disconnect. Feed-through dimming panels, which are those without breakers, are recommended when using the HFDU.
- For more information on dimming lamps, consult Lutron Application Note #109, Guide to Dimming Portable Lamps via Receptacles, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

**XX**<sup>1</sup>: Architectural matte color codes, see p. 239 (1-gang wallplate included)

**XX**<sup>2</sup>: Available in White (WH) and Brown (BR)

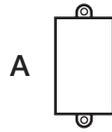
\* Metal and glass finishes are only available as separate wallplates.



## Mounting requirements and how to understand ganging and derating

### Individual devices

Individual dimmers, switches, in-wall sensors, and accessories typically mount in standard 1-gang electrical boxes (**fig. A**).



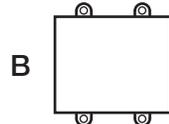
1-gang box  
(W: 2 in x H: 3 in x D: 2.5 in)

### Standard ganging

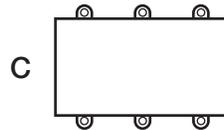
Ganging is the side-by-side mounting of two or more dimmers or accessory devices under a multi-gang wallplate. (**fig. B-D**)

Standard multi-gang installation:

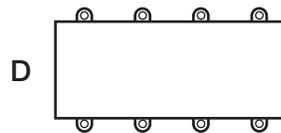
- Uses standard multi-gang electrical backboxes
- Uses standard multi-gang wallplates
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging)
- May require derating (i.e., reduction of dimmer capacity due to fin removal); see Derating Tables, pp. 250–258



2-gang box  
(W: 4 in x H: 3 in x D: 2.5 in)



3-gang box  
(W: 6 in x H: 3 in x D: 2.5 in)

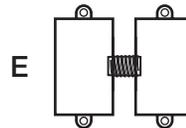


4-gang box  
(W: 8 in x H: 3 in x D: 2.5 in)

### Custom Architectural ganging

Architectural dimmers, switches, and accessories may be ganged without derating (**fig. E**), via custom Architectural multi-gang:

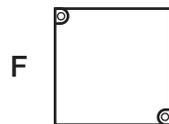
- May require customized, wider-than-standard wallplates
- May require wider-than-standard electrical backboxes
- Allows full capacity (“No Fins Broken”) ganging
- Required for Nova dimmers and for larger width (high capacity) architectural controls
- Visit [lutron.com/customganging](http://lutron.com/customganging) for additional information



(2) 1-gang boxes  
with  $\frac{3}{4}$  in spacer

### Light load power interfaces (pp. 262–263)

Interfaces typically mount to a standard electrical junction box (**fig. F**); must be mounted within 7 degrees of vertical. Maximum output: 5.1 in x 6.3 in. Interfaces project 1.2 in in front of box.



Junction box  
(W: 4 in x H: 4 in x D: 2.5 in)

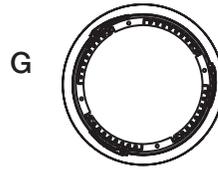
### Vive PowPak remote mount and fixture control modules (pp. 174 and 178)

Modules typically mount to a fixture or a standard electrical junction box (**fig. F**) through a standard 0.5 in knockout. Modules may need to be accessible for some programming steps.

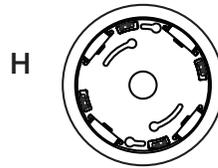
## Mounting requirements and how to understand ganging and derating

### Vive hub (p. 162)

Hubs should be mounted in the middle of a non-metal ceiling, using either a flush-mount adapter (fig. G) for ceiling tiles or drywall ceilings, or a surface-mount adapter (fig. H) for cement ceilings.



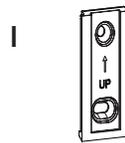
Flush-mount adapter  
(6.5 in diameter x D: 3.1 in)



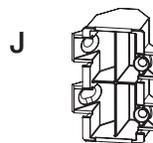
Flush-mount adapter  
(6.5 in diameter x D: 4.8 in)

### Wall-mount sensors (p. 206)

Wireless wall-mount Radio Powr Savr sensors can be mounted temporarily by using adhesive strips, or permanently with brackets (fig. I and J). Both are provided with sensor. A flexible mounting armature can be purchased separately for sensors that are mounted at heights greater than 8 ft.



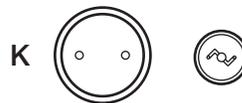
Wall-mount and hallway  
mounting bracket



Corner-mount  
mounting bracket

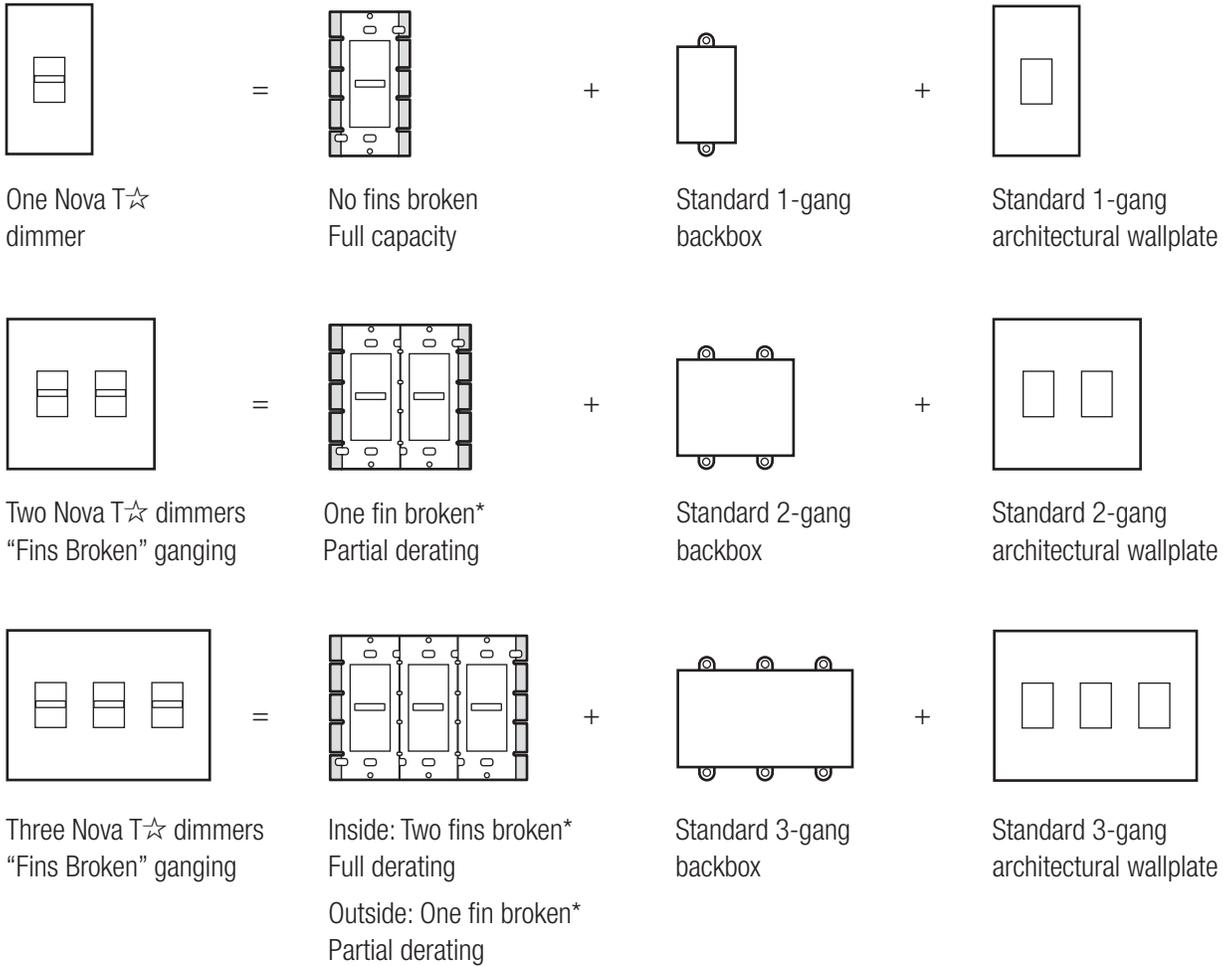
### Ceiling-mount sensors (pp. 204 and 208)

Wireless ceiling-mount Radio Powr Savr sensors (fig. K) mount to ceiling tiles via the mounting wire, or to cement ceilings using screws and anchors (hardware provided). Optional mounting accessories for the ceiling-mount Radio Powr Savr occupancy sensor include an adhesive kit for temporary mounting or a ring for recess mounting. Both are sold separately.

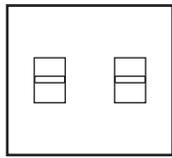


Wireless sensor  
mounting bracket  
(3.2 in diameter footprint,  
mounting brackets are  
spaced 1.8 in)

## Standard ganging and fins broken derating examples:

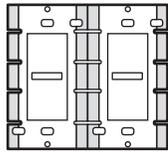


**Custom Architectural ganging example:**



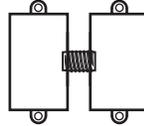
Two Nova T☆ dimmers  
“No Fins Broken” ganging

=



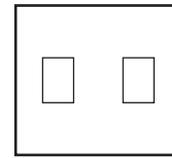
No fins broken  
Full capacity

+



Backbox with  
chase nipple

+



Custom architectural  
wallplate

For more information on ganging and derating, visit [lutron.com/multigang](http://lutron.com/multigang).

## Derating Table 1

**New Architectural** | GRAFIK T C•L, GRAFIK T phase selectable

**Architectural** | Nova T☆ C•L

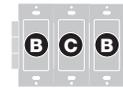
**Designer** | Caséta Wireless C•L, Caséta Wireless ELV+, Caséta Wireless PRO, Diva C•L, Diva reverse-phase, Luméa C•L, Maestro C•L, Maestro C•L sensor, Maestro Wireless C•L, Skylark C•L, Skylark reverse-phase, Skylark Contour C•L, Skylark Contour reverse-phase, Vive Maestro Wireless C•L

**Traditional** | Ariadni C•L

### Derating dimmers

C•L, phase selectable, ELV+ PRO and reverse-phase dimmers are rated for 150 or 250W of LED and/or CFL screw-base lighting, or 500W, 600W, or 1000W of incandescent/halogen lighting.

Load types can be mixed on these dimmers (example: LED and incandescent); however the total allowable wattage must be calculated based on the wattage of the combined load types and the number of fins broken on the dimmer.



### 150W C•L dimmers

Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage 		
		No sides removed	1 side removed	2 sides removed
0W	+	600W	500W	400W
1W – 25W	+	500W	400W	300W
26W – 50W	+	400W	300W	200W
51W – 75W	+	300W	200W	100W
76W – 100W	+	200W	100W	50W
101W – 125W	+	100W	50W	0W
126W – 150W	+	0W	0W	0W

**Note:** There is no wattage reduction when controlling only LED or CFL.

### 250W C•L (Ariadni, Diva, and GRAFIK T) and reverse-phase (Nova T☆) dimmers

Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage 		
		No sides removed	1 side removed	2 sides removed
0W	+	600W	500W	400W
1W – 40W	+	500W	400W	300W
41W – 80W	+	400W	300W	200W
81W – 120W	+	300W	200W	100W
121W – 160W	+	200W	100W	50W
161W – 200W	+	100W	50W	0W
201W – 250W	+	0W	0W	0W

**Note:** There is no wattage reduction when controlling only LED or CFL.

**Derating Table 1 (continued)**

**New Architectural** | GRAFIK T C•L, GRAFIK T phase selectable

**Architectural** | Nova T☆ C•L

**Designer** | Caséta Wireless C•L, Caséta Wireless ELV+, Caséta Wireless PRO, Diva C•L, Diva reverse-phase, Luméa C•L, Maestro C•L, Maestro C•L sensor, Maestro Wireless C•L, Skylark C•L, Skylark reverse-phase, Skylark Contour C•L, Skylark Contour reverse-phase, Vive Maestro Wireless C•L

**Traditional** | Ariadni C•L

**250W C•L (Nova T☆) and PRO dimmers**



Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage		
		No sides removed	1 side removed	2 sides removed
0W	+	1000W	800W	600W
1W – 40W	+	800W	600W	500W
41W – 80W	+	600W	500W	400W
81W – 120W	+	500W	400W	300W
121W – 160W	+	400W	300W	200W
161W – 200W	+	300W	200W	100W
201W – 250W	+	0W	0W	0W

**Note:** There is no wattage reduction when controlling only LED or CFL.

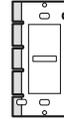
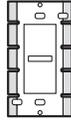
**Phase selectable, ELV+, and reverse-phase (Diva and Skylark Contour) dimmers**

Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage		
		No sides removed	1 side removed	2 sides removed
0W	+	500W	400W	300W
1W – 40W	+	400W	300W	200W
41W – 80W	+	300W	200W	100W
81W – 120W	+	200W	100W	50W
121W – 160W	+	100W	50W	25W
161W – 200W	+	50W	0W	0W
201W – 250W	+	0W	0W	0W

**Note:** There is no wattage reduction when controlling only LED or CFL.

**Derating Table 2**

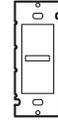
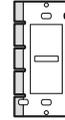
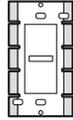
**New Architectural** | GRAFIK T  
**Architectural** | Nova, Nova T☆, Vareo



	No fins broken	1 fin broken	2 fins broken
<b>Dimmers</b>			
<b>Incandescent</b>			
GRAFIK T	500 W	400 W	300 W
Nova T☆	600 W	500 W	300 W
GRAFIK T, Vareo	600 W	500 W	400 W
Nova	600 W	600 W	500 W
Nova T☆ C-L	1000 W	800 W	600 W
Nova, Nova T, Vareo	1000 W	900 W	700 W
Nova, Nova T☆	1500 W	1250 W	1000 W
Nova T☆	1950 W	N/A	N/A
Nova	2000 W	1800 W	1500 W
<b>Magnetic low-voltage</b>			
GRAFIK T	400 VA/ 300 W	No derating	No derating
Nova T☆	600 VA/ 450 W	500 VA/ 400 W	300 VA/ 200 W
Nova	600 VA/ 500 W	600 VA/ 500 W	500 VA/ 400 W
Nova T☆	1000 VA/ 800 W	900 VA/ 700 W	700 VA/ 550 W
Nova	1000 VA/ 800 W	900 VA/ 750 W	700 VA/ 550 W
Nova T☆ (277 V)	1000 VA/1200 W	900 VA/ 1000 W	700 VA/ 800 W
Nova	1500 VA/ 1200 W	1250 VA/ 1000 W	1000 VA/ 800 W
Nova	2000 VA/ 1600 W	1800 VA/ 1500 W	1500 VA/ 1200 W
<b>Electronic low-voltage</b>			
Nova T☆	300 W	300 W	250 W
GRAFIK T	500 W	400 W	300 W
Nova T☆	600 W	500 W	400 W

**Derating Table 2 (continued)**

**New Architectural** | GRAFIK T  
**Architectural** | Nova, Nova T☆, Vareo



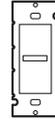
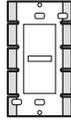
	No fins broken	1 fin broken	2 fins broken
<b>Dimmers (continued)</b>			
<b>Dimmable LED/CFL (screw-base)</b>			
GRAFIK T	150W	No derating	No derating
GRAFIK T, Nova T☆	250W	No derating	No derating
<b>2-wire LED</b>			
GRAFIK T, Nova T☆	10 drivers/ 400W	No derating	No derating
<b>3-wire LED/fluorescent</b>			
Nova, Nova T☆	6A	No derating	No derating
Nova, Nova T☆	8A	No derating	No derating
Nova, Nova T☆	16A	No derating	No derating
<b>Tu-Wire fluorescent</b>			
GRAFIK T	3.3A	No derating	No derating
Nova	5A	No derating	No derating
Nova T☆	5A	4A	3.3A
<b>0-10V fixture</b>			
Nova T☆ – no power pack	8A/30mA	No derating	No derating
Nova – power pack required	30mA	No derating	No derating
<b>Magnetic fluorescent</b>			
Nova	Dependent on ballast being utilized; see specification submittal for more information		

<b>Fan controls</b>			
<b>Quiet 3-speed</b>			
Nova T☆	1.5A	No derating	No derating
<b>Fully variable</b>			
Nova T☆	6A	4.2A	2.5A
Nova T☆	12A	10A	8.3A

<b>Switches</b>			
<b>Electronic (light/fan)</b>			
GRAFIK T (light/fan)	5A/ 3A	4.2A/ 3A	3.3A/ 3A
Vareo	1000W	800W	650W
<b>Mechanical</b>			
Nova T☆	20A	No derating	No derating

## Derating Table 3

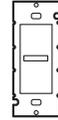
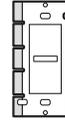
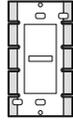
**Designer** | Caséta Wireless, Diva, Luméa, Maestro, Maestro Wireless, Skylark, Skylark Contour, Vive Maestro Wireless



	No fins broken	1 fin broken	2 fins broken
<b>Dimmers</b>			
<b>Dimmable LED/CFL (screw-base)</b>			
Caséta Wireless, Diva, Luméa, Maestro, Maestro sensor, Maestro Wireless, Skylark, Skylark Contour	150 W	No derating	No derating
Caséta Wireless, Diva, Skylark Contour	250 W	No derating	No derating
<b>Incandescent</b>			
Caséta Wireless, Diva, Skylark Contour	500 W	400 W	300 W
Caséta Wireless, Diva, Luméa, Maestro, Maestro sensor, Maestro Wireless, Skylark, Skylark Contour, Vive Maestro Wireless	600 W	500 W	400 W
Caséta Wireless, Diva, Maestro, Maestro Wireless, Skylark, Skylark Contour	1000 W	800 W	650 W
<b>Incandescent (dual dimmer)</b>			
Maestro, Skylark (light/light)	300 W/300 W	250 W/250 W	200 W/200 W
<b>Incandescent (dual dimmer/switch)</b>			
Maestro (light/light and fan)	300 W/2.5 A	250 W/2 A	200 A/1.5 A
<b>Incandescent (dual dimmer/timer)</b>			
Maestro (light/light and fan)	300 W/2.5 A	250 W/2 A	200 A/1.5 A
<b>Magnetic low-voltage</b>			
Caséta Wireless	400 VA/300 W	No derating	No derating
Diva, Maestro, Maestro Wireless, Skylark, Skylark Contour, Vive Maestro Wireless	600 VA/450 W	500 VA/400 W	400 VA/300 W
Caséta Wireless, Diva, Maestro	1000 VA/800 W	800 VA/650 W	650 VA/500 W
<b>Electronic low-voltage</b>			
Diva, Skylark, Skylark Contour	300 W	250 W	200 W
Caséta Wireless, Diva, Skylark Contour	500 W	400 W	300 W
Maestro, Maestro Wireless, Vive Maestro Wireless	600 W	500 W	400 W

**Derating Table 3 (continued)**

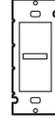
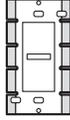
**Designer** | Caséta Wireless, Diva, Luméa, Maestro, Maestro Wireless, Skylark, Skylark Contour, Vive Maestro Wireless



	No fins broken	1 fin broken	2 fins broken
<b>Dimmers (continued)</b>			
<b>2-wire LED</b>			
Diva, Maestro Wireless, Vive Maestro Wireless	8 drivers/350W	No derating	No derating
Caséta Wireless	13 drivers/520W	No derating	No derating
Caséta Wireless	20 drivers/400W	No derating	No derating
<b>3-wire LED/fluorescent</b>			
Diva	6A	No derating	No derating
Maestro	20 ballasts or drivers/6A	20 ballasts or drivers/5A	20 ballasts or drivers/3.5A
Maestro Wireless	60 ballasts or drivers/6A	50 ballasts or drivers/5A	35 ballasts or drivers/3.5A
Diva, Skylark	8A	No derating	No derating
<b>Tu-Wire fluorescent</b>			
Caséta Wireless	3.3A	No derating	No derating
Caséta Wireless	5A	No derating	No derating
Diva, Maestro Wireless, Skylark, Vive Maestro Wireless	5A	4A	3.3A
<b>0-10V fixture</b>			
Diva, Maestro sensor – no power pack	8A/50mA	No derating	No derating
Diva – power pack required	30mA	No derating	No derating

## Derating Table 3 (continued)

**Designer** | Caséta Wireless, Diva, Luméa, Maestro, Maestro Wireless, Skylark, Skylark Contour, Vive Maestro Wireless

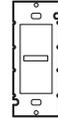
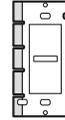
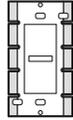


	No fins broken	1 fin broken	2 fins broken
<b>Fan controls</b>			
<b>Quiet 3-speed</b>			
Diva, Skylark, Skylark Contour	1.5 A	No derating	No derating
Diva, Skylark	2 A	No derating	No derating
<b>Fully variable</b>			
Skylark	5 A	4 A	3 A

<b>Fan/light controls</b>			
<b>Quiet 3-speed</b>			
Skylark (fan/light)	1.5 A/300 W (Inc)	No derating	No derating
Diva (fan/light)	1.5 A/2 A (Inc), 1 A (LED/CFL)	No derating	No derating
Skylark (fan/light)	1.5 A/3 A	No derating	No derating
<b>Fully variable</b>			
Skylark (fan/light)	2.5 A/300 W (Inc)	2.1 A/250 W	1.7 A/200 W

**Derating Table 3 (continued)**

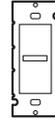
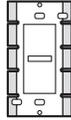
**Designer** | Caséta Wireless, Diva, Luméa, Maestro, Maestro Wireless, Skylark, Skylark Contour, Vive Maestro Wireless



	No fins broken	1 fin broken	2 fins broken
<b>Switches</b>			
<b>Electronic</b>			
Maestro sensor	2A	No derating	No derating
Maestro sensor (light/fan)	5A/3A	No derating	No derating
Caséta Wireless (light/fan)	5A/3A	4A/3A	3A/3A
Maestro	6A	5A	3.5A
Maestro PIR sensor (light/fan)	6A/3A	No derating	No derating
Maestro Wireless (light/fan), Vive Maestro Wireless (light/fan)	6A/3A	5A/3A	3.5A/3A
Caséta Wireless (light/fan)	6A/3.6A	6A/3.6A	5A/3.6A
Maestro DT sensor (light/fan)	6A/4.4A	No derating	No derating
Maestro	8A/3A	6.25A/3A	5A/3A
Maestro Wireless (120–277V, light/fan), Vive Maestro Wireless (120–277V, light/fan)	8A/3A	8A/3A	7A/3A
Maestro Wireless (light/fan)	8A/5.8A	6.5A/5.8A	5A/4.4A
<b>Dual switch/switch</b>			
Maestro sensor (light/fan / light/fan)	6A/4.4A / 6A/4.4A	No derating	No derating
<b>Timers</b>			
Maestro (light/fan)	5A/3A	4A/3A	3A/3A

## Derating Table 4

**Traditional** | Ariadni, Rotary



	No fins broken	1 fin broken	2 fins broken
<b>Dimmers</b>			
<b>Dimmable LED/CFL (screw-base)</b>			
Ariadni	150W	No derating	No derating
Ariadni	250W	No derating	No derating
<b>Incandescent</b>			
Ariadni, Rotary	600W	500W	400W
Ariadni	1000W	800W	650W
<b>Magnetic low-voltage</b>			
Ariadni	600VA/450W	500VA/400W	400VA/300W
<b>2-wire LED</b>			
Ariadni	8 drivers/350W	No derating	No derating
<b>3-wire LED/fluorescent</b>			
Ariadni	6A	No derating	No derating
Ariadni	8A	No derating	No derating
<b>Fan controls</b>			
<b>Quiet 3-speed</b>			
Ariadni, Rotary	1.5A	No derating	No derating
<b>Fully variable</b>			
Rotary	5A	4A	3A
<b>Fan/light controls</b>			
<b>Quiet 3-speed</b>			
Ariadni (fan/light)	1.5A/300W (Inc)	No derating	No derating

## Dimmer capabilities and interface requirements

 Compatible dimmer (no interface required)

**M** Multi-location—true dimming from each location

**E** eco-model available

**WBX**

**TVI**

**3F**

**PA**

**BCI**

**PP**

Requires interface\*, see notes below

## Designer style



Dimmers	Capacity	<b>M</b>	<b>M</b>	
 Dimmable LED/CFL (screw-base) 120V	150W			
	250W	WBX**	WBX**/PA**	
 Incandescent/halogen 120V	500W	<b>E</b>		<b>E</b>
	600W	<b>E</b>		<b>E</b>
	1000W			
	1500W	WBX	WBX/PA	WBX
	2000W	WBX	WBX/PA	WBX
 Magnetic low-voltage 120V	400VA (300W)			
	600VA (450W)			
	1000VA (800W)			
	1500VA (1200W)	WBX	WBX/PA	WBX
	2000VA (1600W)	WBX	WBX/PA	WBX
 Magnetic low-voltage 277V	600VA (450W)	WBX	WBX/PA	WBX
	1000VA (800W)	WBX	WBX/PA	WBX
 Electronic low-voltage 120V	300W			
	500W			
	600W			WBX
 Electronic low-voltage 277V	16A	WBX	WBX	WBX
 Neon/cold cathode		WBX	WBX	WBX
 3-wire 120V  Drivers - Hi-lume Premier 0.1%, Hi-lume 1%  Ballasts - Hi-lume 3D, EcoSystem	6A			
	8A	3F	3F	
	16A	3F	3F	3F
 3-wire 277V  Drivers - Hi-lume Premier 0.1%, Hi-lume 1%  Ballasts - Hi-lume 3D, EcoSystem	6A			
	8A	3F	3F	3F
	16A	3F	3F	3F
 2-wire 120V Drivers - Hi-lume 1%	350W			
	400W			
 Tu-wire ballasts 120V	5A	PA		
 0–10VDC 120/277V (fixtures by others)	8A	TVI	TVI	
	16A	TVI	TVI	PP

**WBX:** Phase Adaptive Power Module

**3F:** Fluorescent Power Module

**TVI:** 0-10V Interface

\* See pp. 262–263 for specific compatible dimmer models and interface solutions.

\*\* Utilize to control approved dimmable LED (screw-base) bulbs only. Visit [lutron.com/ledtool](http://lutron.com/ledtool) for a recommended list.

**PA:** Phase Adaptive Power Module

**PP:** Wired Power Pack (PP-DV or PP-347H)

## Dimmer capabilities and interface requirements

 Compatible dimmer (no interface required)

 Multi-location—true dimming from each location

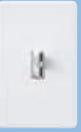
 eco-model available

Requires interface\*, see notes below

## Designer style

## Traditional style

			
Skylark Contour p. 56	Skylark p. 62	Lum�ea p. 74	Ariadni p. 80

Dimmers	Capacity	Skylark Contour p. 56	Skylark p. 62	Lum�ea p. 74	Ariadni p. 80
 Dimmable LED/CFL (screw-base) 120V	150 W				
	250 W		WBX		
 Incandescent/halogen 120V	500 W				
	600 W				
	1000 W				
	1500 W		WBX		WBX
	2000 W		WBX		WBX
 Magnetic low-voltage 120V	400 VA (300 W)				
	600 VA (450 W)				
	1000 VA (800 W)		WBX		WBX
	1500 VA (1200 W)		WBX		WBX
	2000 VA (1600 W)		WBX		WBX
 Magnetic low-voltage 277V	600 VA (450 W)		WBX		WBX
	1000 VA (800 W)		WBX		WBX
 Electronic low-voltage 120V	300 W				WBX
	500 W		WBX		WBX
	600 W		WBX		WBX
 Electronic low-voltage 277V	16 A		WBX		WBX
 Neon/cold cathode			WBX		WBX
 3-wire 120V Drivers - Hi-lume Premier 0.1%, Hi-lume 1% Ballasts - Hi-lume 3D, EcoSystem	6 A				
	8 A				
	16 A		3F		3F
 3-wire 277V Drivers - Hi-lume Premier 0.1%, Hi-lume 1% Ballasts - Hi-lume 3D, EcoSystem	6 A				
	8 A		3F		3F
	16 A		3F		3F
 2-wire 120V Drivers - Hi-lume 1%	350 W				
	400 W				
 Tu-wire ballasts 120V	5 A				PA
 0–10VDC 120/277V (fixtures by others)	8 A		TVI		TVI
	16 A		TVI		TVI

**WBX:** Phase Adaptive Power Module

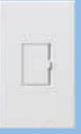
**3F:** Fluorescent Power Module

**TVI:** 0-10V Interface

\* See pp. 262–263 for specific compatible dimmer models and switching interface solutions.

**PA:** Phase Adaptive Power Module

**PP:** Wired Power Pack (PP-DV or PP-347H)

New Architectural and Architectural style						Connected Home	Commercial Wireless	Sensors
								
Rotary p. 88	GRAFIK T p. 94	Vareo p. 104	Nova T☆ p. 110	Nova p. 122	Centurion p. 132	Caséta Wireless p. 144	Vive Maestro Wireless p. 164	Maestro p. 194
	M						M	M
				WBX**				
				WBX**			WBX**	
E								
E								
	PA						WBX	
	PA					PA	WBX	
	PA					PA	WBX	
	PA							
	PA						WBX	
	PA					PA	WBX	
	PA		WBX			PA	WBX	
	PA			WBX		PA	WBX	
	PA			WBX		PA	WBX	
				WBX				
				WBX				
	PA			WBX		PA		
	PA		WBX	WBX		PA	WBX	
	PA		WBX			PA	WBX	
	3F					3F	3F	BCI
	3F					3F	3F	BCI
	3F					3F	3F	BCI
	3F					3F	3F	BCI
	3F					3F	3F	BCI
	3F		3F	3F		3F	3F	BCI
	†					†		
	TVI			PP		TVI	TVI	
	TVI		PP	PP		TVI	TVI	

**WBX:** Phase Adaptive Power Module  
**3F:** Fluorescent Power Module  
**TVI:** 0-10V Interface

**PA:** Phase Adaptive Power Module  
**BCI:** Ballast Control Interface (BCI-0-10) with 0–10V dimmer sensor

\*\* Utilize to control approved dimmable LED (screw-base) bulbs only. Visit [lutron.com/ledtool](http://lutron.com/ledtool) for a recommended list.  
 † GRAFIK T and Caséta Wireless dimmers rated for 3.3A of Tu-Wire ballast load only.

## Dimmer models/load interface compatibility

	Dimmable LED (screw-base)*, incandescent, and magnetic and electronic low-voltage (120/277V)				Dimmable LED (screw-base)*, incandescent, and magnetic and electronic low-voltage (120/277V)	
	<b>WBX</b> 				<b>PA</b> 	
	Wallbox Phase Adaptive Power Module Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in)				Phase Adaptive Power Module** Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in)	
	120V control PHPM-WBX-DV-WH**		277V control PHPM-WBX-277/DV		120V control PHPM-PA-DV-WH	
<b>Dimmer Family</b>	Single-pole	3-way or multi-location	Single-pole	3-way or multi-location	Single-pole	3-way or multi-location
Ariadni	–	AYF-103P-	–	AYF-103P-277-	–	–
Caséta Wireless	–	–	–	–	–	PD-10NXD-
Diva Gloss	–	DVF-103P-	–	DVF-103P-277-	–	–
Diva Satin Colors	–	DVSCF-103P-	–	DVSCF-103P-277-	–	–
GRAFIK T	–	–	–	–	–	GT-250M-GTJ-250M-
Maestro Gloss	–	MAF-6AM-	–	MAF-6AM-277-	–	–
Maestro Satin Colors	–	MSCF-6AM-	–	MSCF-6AM-277-	–	–
Maestro Wireless	–	MRF2-F6AN-DV-	–	MRF2-F6AN-DV-	–	MRF2-6ND-120-
Nova	NF-10-	NF-103P-	NF-10-277-	NF-103P-277-	–	–
Nova T☆	NTF-10-	NTF-103P-	NTF-10-277-	NTF-103P-277-	–	–
Skylark	SF-10P-	SF-103P-	SF-12P-277-	SF-103P-277-3-	–	–
Vareo	–	–	–	–	–	–
Vive Maestro Wireless	–	MRF2S-6ELV120-	–	–	–	MRF2S-6ND-120-

### Technical notes:

- Lighting load interfaces must be matched to load type and voltage
- Interfaces typically require additional power feeds
- Power feed to dimmer may differ from lighting load/interface voltage
- For wiring information, consult wiring diagrams, see pp. 278–281

#### Use only dimmer model numbers listed.

\* Visit [lutron.com/ledtool](http://lutron.com/ledtool) for a recommended list of dimmable LED (screw-base) bulbs.

\*\* Dual 120/277V model given, 120V-only versions are also available.

3-wire LED drivers or fluorescent ballasts (120/277V)		0-10V DC LED or ballast fixtures (120/277V)		Tu-Wire fluorescent ballasts (120V)		Switched lighting (120/277V)	
3F 		TVI 		PA 		SW 	
Fluorescent Power Module Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in)		0-10V Interface Surface mount only (W: 6.10in x H: 12.50in x D: 3.30in)		Phase Adaptive Power Module Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in)		Switching Power Module Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in)	
120V control PHPM-3F-DV-WH**		120V control GRX-TV1		120V control PHPM-PA-DV-WH**		120V control PHPM-SW-DV-WH**	
Single-pole	3-way or multi-location	Single-pole	3-way or multi-location	Single-pole	3-way or multi-location	Single-pole	3-way or multi-location
–	AYF-103P-	–	AYF-103P-	–	AYF-103P-	–	–
–	PD-10NXD-	–	PD-10NXD-	–	PD-10NXD-	–	PD-6ANS-
–	DVF-103P-	–	DVF-103P-	–	DVF-103P-	–	–
–	DVSCF-103P-	–	DVSCF-103P-	–	DVSCF-103P-	–	–
–	GT-250M-GTJ-250M-	–	GT-250M-GTJ-250M-	–	GT-250M-GTJ-250M-	–	GT-5ANSM-GTJ-5ANSM-
–	MAF-6AM-	–	MAF-6AM-	–	MAF-6AM-	–	MA-S8AM-
–	MSCF-6AM-	–	MSCF-6AM-	–	MSCF-6AM-	–	MSC-S8AM-
–	MRF2-F6AN-DV-	–	MRF2-F6AN-DV-	–	MRF2-F6AN-DV-	–	MRF2-6ANS-
NF-10-	NF-103P-	NF-10-	NF-103P-	NF-10-	NF-103P-	–	–
NTF-10-	NTF-103P-	NTF-10-	NTF-103P-	NTF-10-	NTF-103P-	–	–
SF-10P-	SF-103P-	SF-10P-	SF-103P-	SF-10P-	SF-103P-	–	–
–	–	–	–	–	–	–	VETS-1000-
–	MRF2S-6ELV120-	–	MRF2S-6ELV120-	–	–	–	MRF2S-6ANS-

### Technical notes:

- Lighting load interfaces must be matched to load type and voltage
- Interfaces typically require additional power feeds
- Power feed to dimmer may differ from lighting load/interface voltage
- For wiring information, consult wiring diagrams, see pp. 278–281

**Use only dimmer model numbers listed.**

\*\* Dual 120/277V model given, 120V-only versions are also available.

Wiring diagrams are for reference. The most up-to-date information is supplied with product installation sheets.

## **Wiring diagram #1**

Single-pole wiring ..... 267

## **Wiring diagram #2**

Single-pole wiring of 3-way control ..... 267

## **Wiring diagram #3**

Single-pole wiring with neutral wire connection ..... 267

## **Wiring diagram #4**

Single-pole wiring of 3-way control with neutral wire connection ..... 267

## **Wiring diagram #5**

3-way wiring with neutral wire connection ..... 267

## **Wiring diagram #6**

Line side 3-way wiring ..... 268

## **Wiring diagram #7**

Load side 3-way wiring ..... 268

## **Wiring diagram #8**

Line side 4-way wiring ..... 268

## **Wiring diagram #9**

Load side 4-way wiring ..... 268

## **Wiring diagram #10**

4-way wiring with neutral wire connection ..... 268

## **Wiring diagram #11**

Single-location wiring of multi-location control ..... 269

## **Wiring diagram #12**

Single-location wiring of multi-location control with neutral connection ..... 269

## **Wiring diagram #13**

Line side multi-location wiring ..... 269

## **Wiring diagram #14**

Load side multi-location wiring ..... 270

## **Wiring diagram #15**

Load side 3-way wiring of multi-location control with mechanical switch ..... 270

## **Wiring diagram #16**

Line side 3-way wiring of multi-location control with mechanical switch ..... 270

## **Wiring diagram #17**

Single-pole wiring of multi-location control with neutral wire connection ..... 271

## **Wiring diagram #18**

Line side multi-location wiring with neutral wire connection ..... 271

## **Wiring diagram #19**

Multi-location switch wiring with neutral wire connection ..... 271

## **Wiring diagram #20**

Load side 3-way wiring of multi-location control with neutral wire connection with mechanical switch ..... 272

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<b>Wiring diagram #25</b> 3-way, two breaker feed wiring for dual-circuit sensor with neutral wire connection with mechanical switch.....	273	<b>Wiring diagram #35</b> Single-pole wiring of 3-way, 3-wire control .....	275
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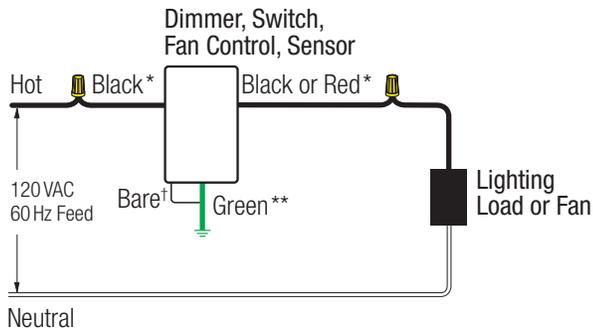
Vive split wireless receptacle with a downstream-  
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## Wiring diagram #1

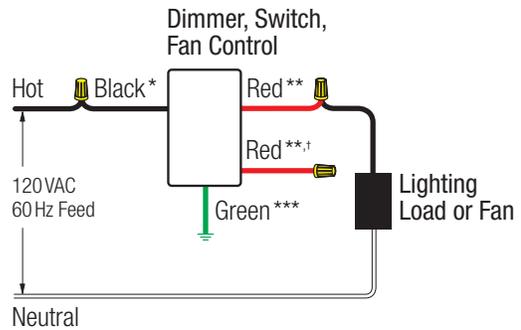
Single-pole wiring



- \* or Brass/Black screw terminal
- \*\* or Green screw terminal
- † only applies to select Maestro sensor switches

## Wiring diagram #2

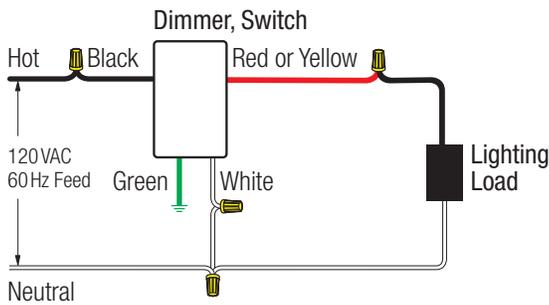
Single-pole wiring of 3-way control



- \* or Copper/Black screw terminal
- \*\* or Brass/Gold screw terminal
- \*\*\* or Green screw terminal
- † or Red/White stripe (cap off)

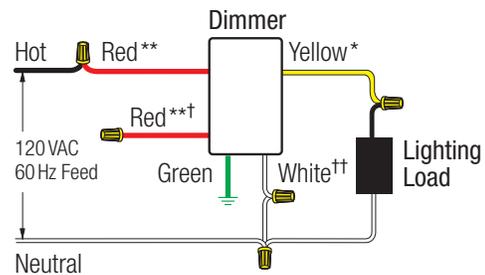
## Wiring diagram #3

Single-pole wiring with neutral wire connection



## Wiring diagram #4

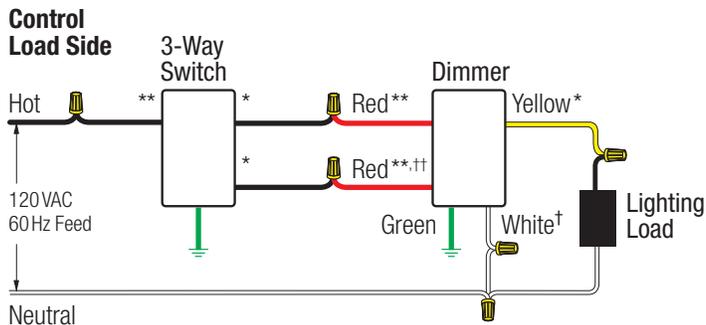
Single-pole wiring of 3-way control with neutral wire connection



- \* or Copper/Black screw terminal
- \*\* or Brass/Gold screw terminal
- † or Red/White stripe (cap off)
- †† or Silver screw terminal

## Wiring diagram #5

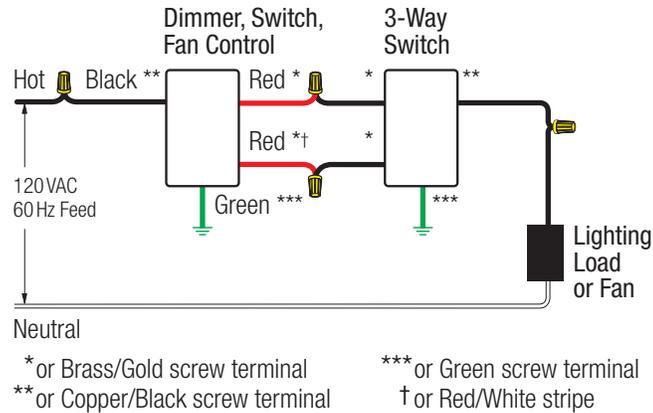
3-way wiring with neutral wire connection



- \* or Brass/Gold screw terminal
- \*\* or Copper/Black screw terminal
- † or Silver screw terminal
- †† or Red/White stripe

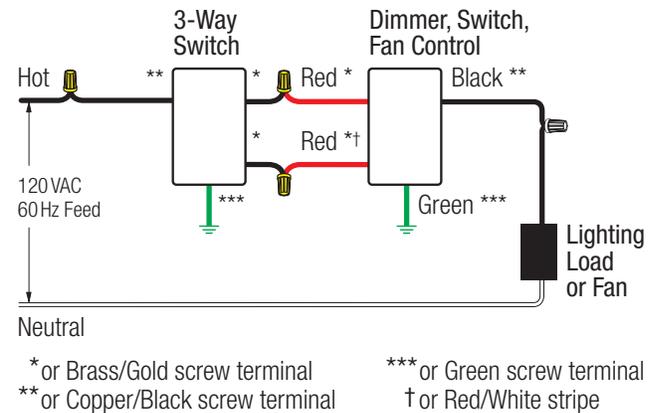
## Wiring diagram #6

Line side 3-way wiring



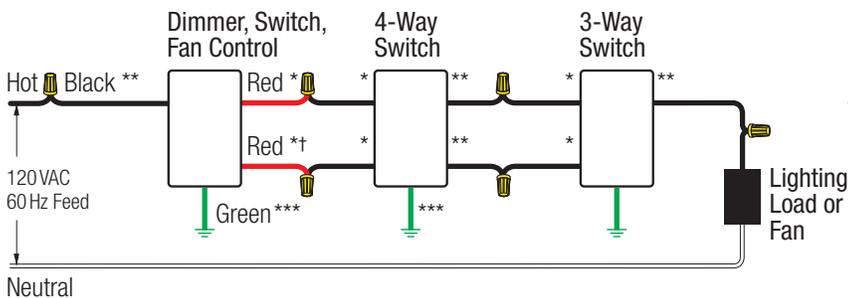
## Wiring diagram #7

Load side 3-way wiring



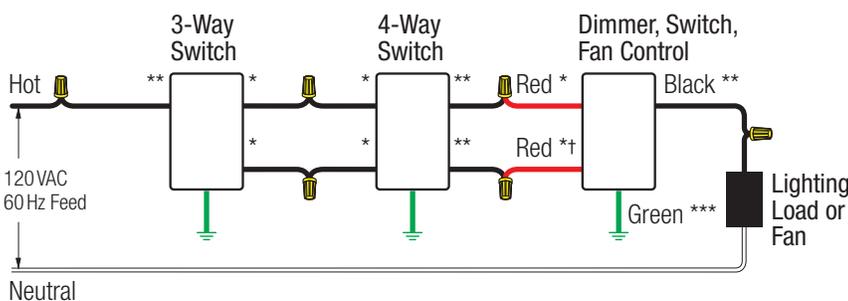
## Wiring diagram #8

Line side 4-way wiring



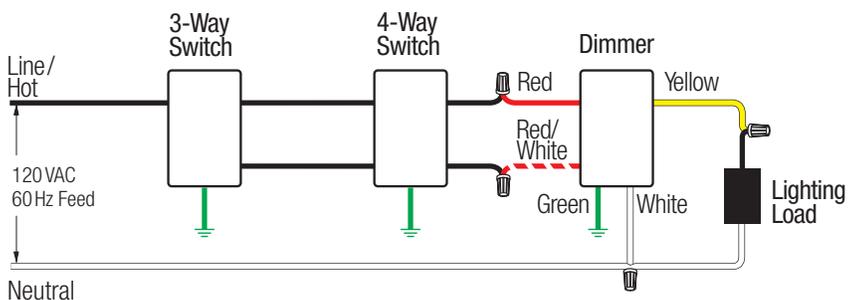
## Wiring diagram #9

Load side 4-way wiring



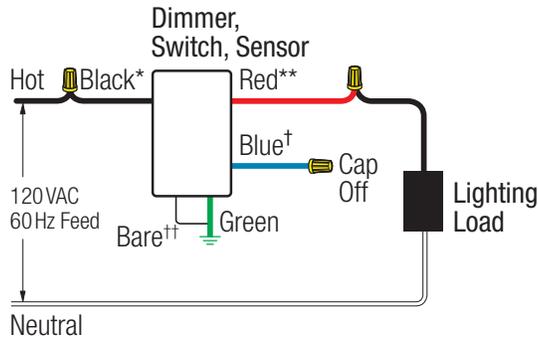
## Wiring diagram #10

4-way wiring with neutral wire connection



## Wiring diagram #11

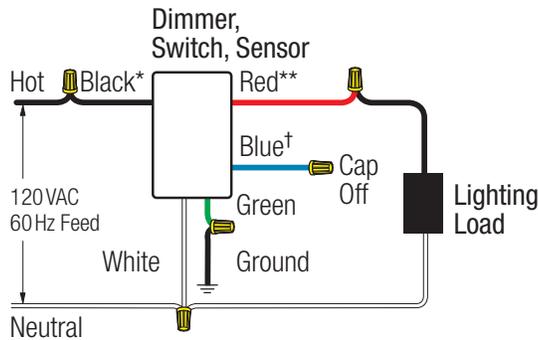
Single-location wiring of multi-location control



\* or Copper/Black screw terminal  
 \*\* or Brass/Gold screw terminal  
 † or Blue screw terminal  
 †† only applies to select Maestro sensor switches

## Wiring diagram #12

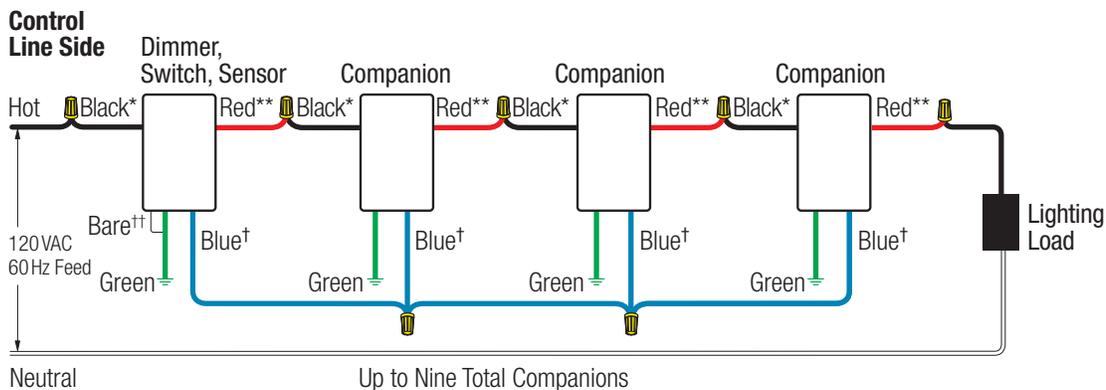
Single-location wiring of multi-location control with neutral wire connection



\* or Copper/Black screw terminal  
 \*\* or Brass/Gold screw terminal  
 † or Blue screw terminal

## Wiring diagram #13

Line side multi-location wiring

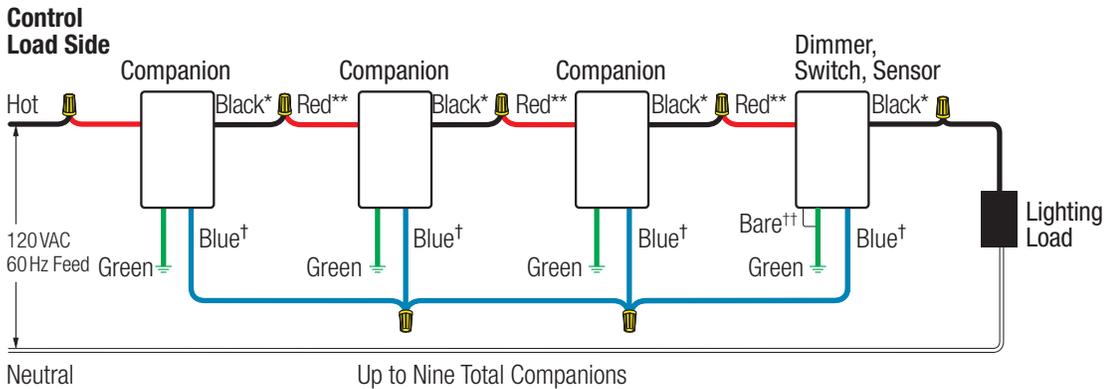


\* or Copper/Black screw terminal  
 \*\* or Brass/Gold screw terminal  
 † or Blue screw terminal  
 †† only applies to select Maestro sensor switches

Up to Nine Total Companions

## Wiring diagram #14

Load side multi-location wiring



\*or Copper/Black screw terminal

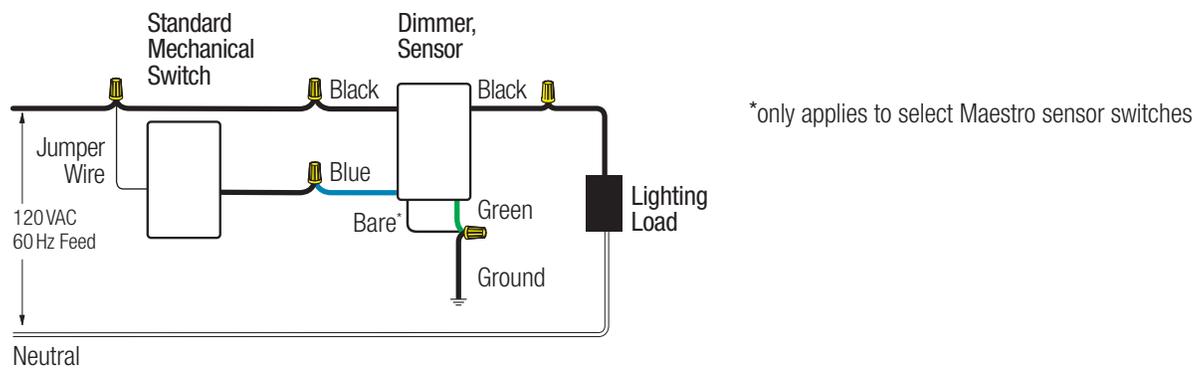
\*\*or Brass/Gold screw terminal

†or Blue screw terminal

†† only applies to select Maestro sensor switches

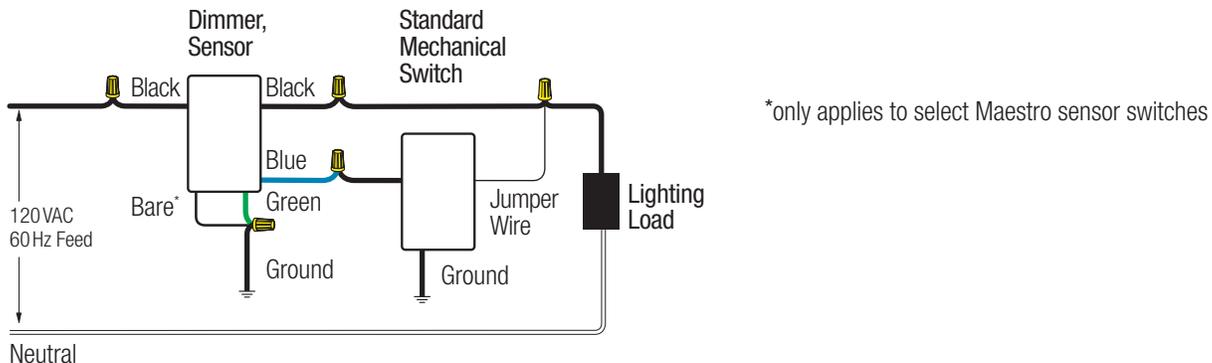
## Wiring diagram #15

Load side 3-way wiring of multi-location control with standard mechanical switch



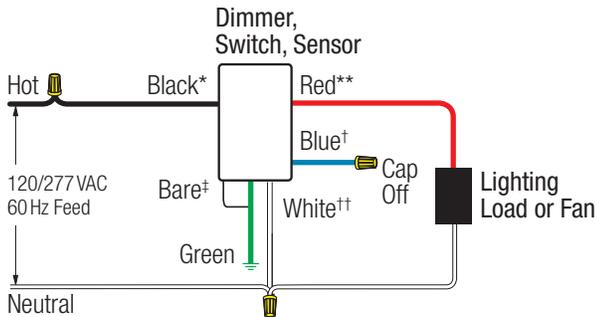
## Wiring diagram #16

Line side 3-way wiring of multi-location control with standard mechanical switch



**Wiring diagram #17**

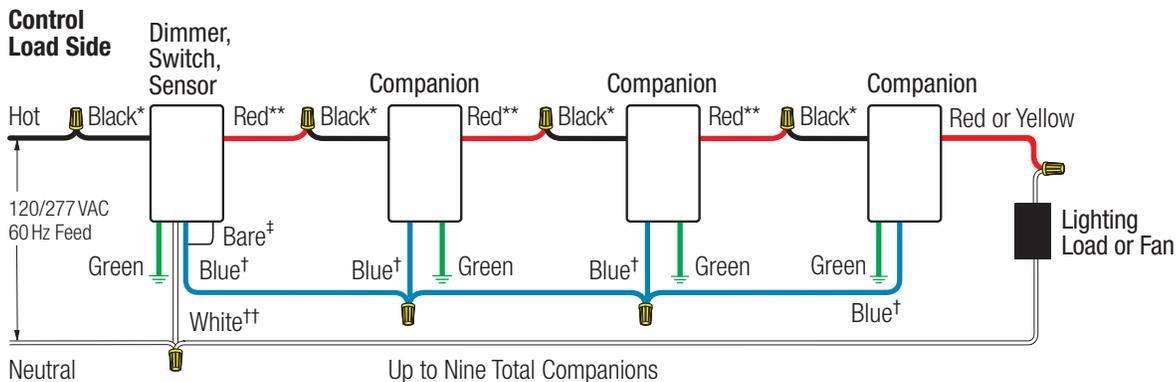
Single-pole wiring of multi-location control with neutral wire connection



\* or Copper/Black screw terminal  
 \*\* or Brass/Gold screw terminal  
 † or Blue screw terminal  
 †† or Silver screw terminal  
 ‡ only applies to select Maestro sensor switches

**Wiring diagram #18**

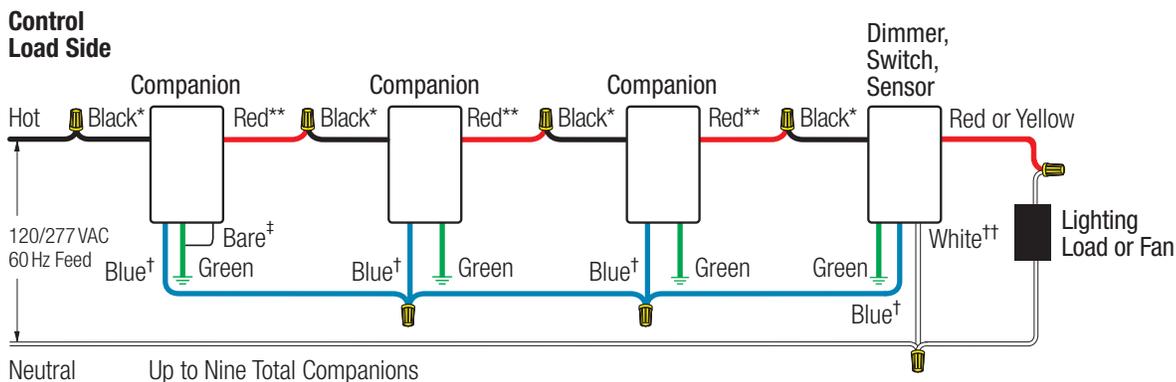
Line side multi-location wiring with neutral wire connection



\* or Copper/Black screw terminal † or Blue screw terminal ‡ only applies to select Maestro sensor switches  
 \*\* or Brass/Gold screw terminal †† or Silver screw terminal

**Wiring diagram #19**

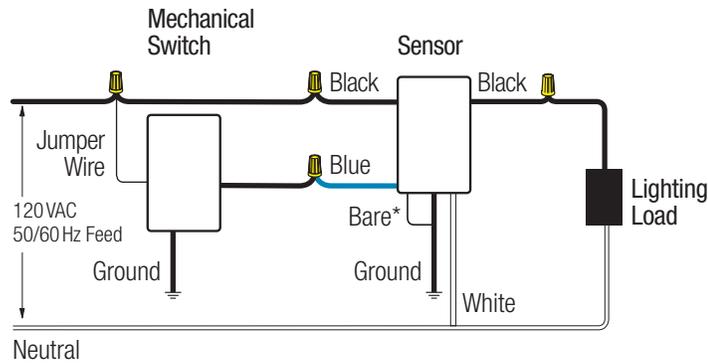
Load side multi-location wiring with neutral wire connection



\* or Copper/Black screw terminal † or Blue screw terminal ‡ only applies to Maestro sensor switch  
 \*\* or Brass/Gold screw terminal †† or Silver screw terminal

## Wiring diagram #20

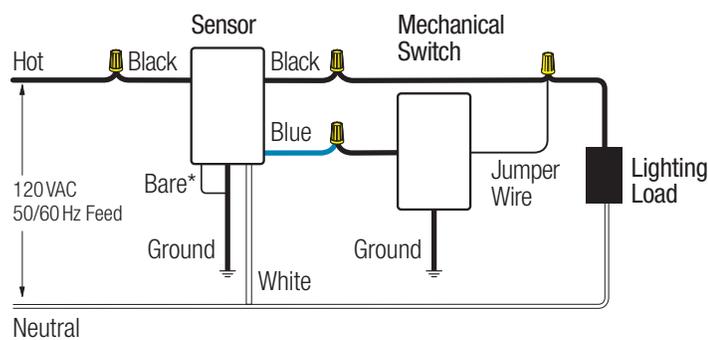
Load side 3-way wiring of multi-location control with neutral wire connection with mechanical switch



\*only applies to select Maestro sensor switches

## Wiring diagram #21

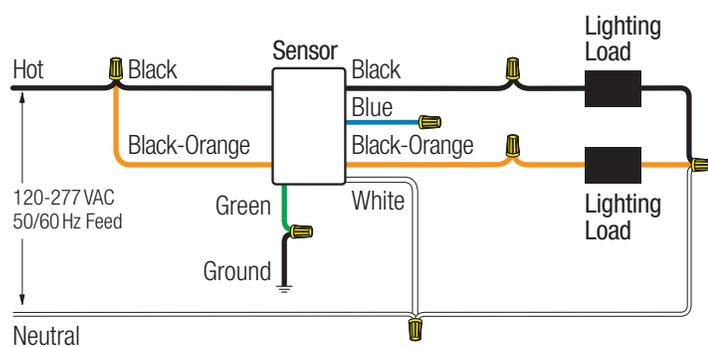
Line side 3-way wiring of multi-location control with neutral wire connection with mechanical switch



\*only applies to select Maestro sensor switches

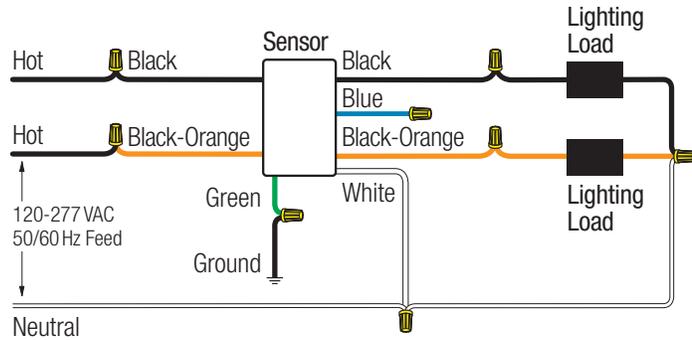
## Wiring diagram #22

Single-pole, single breaker feed wiring for dual-circuit sensor with neutral wire connection



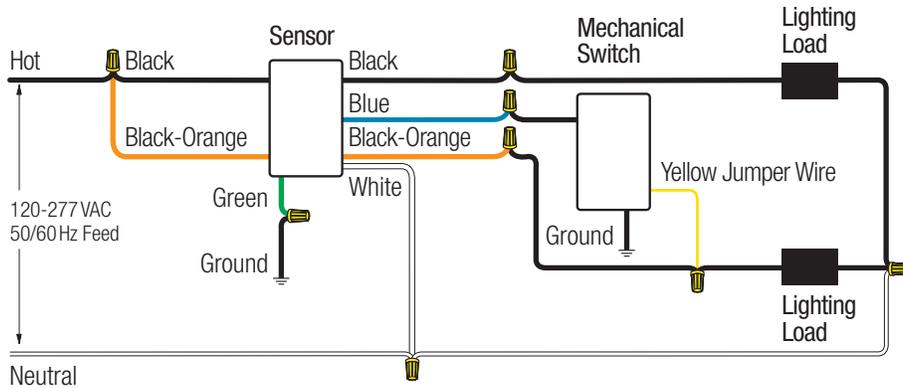
## Wiring diagram #23

Single-pole, two breaker feed wiring for dual-circuit sensor with neutral wire connection



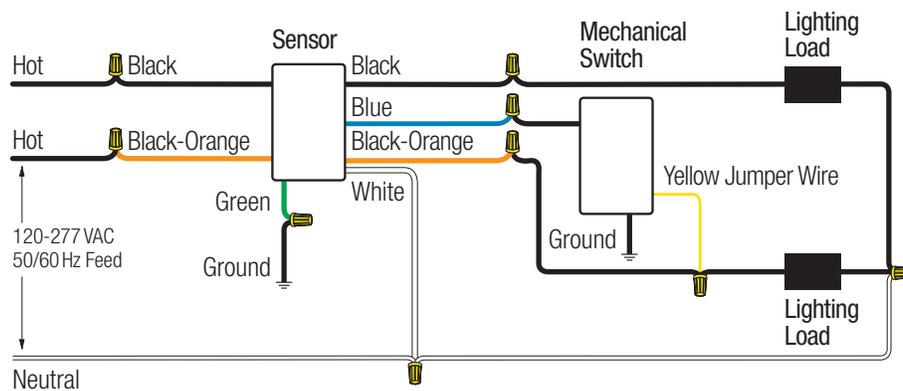
## Wiring diagram #24

3-way, single breaker feed wiring for dual-circuit sensor with neutral wire connection with mechanical switch



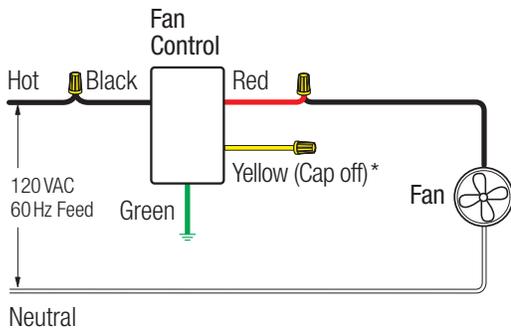
## Wiring diagram #25

3-way, two breaker feed wiring for dual-circuit sensor with neutral wire connection with mechanical switch



## Wiring diagram #26

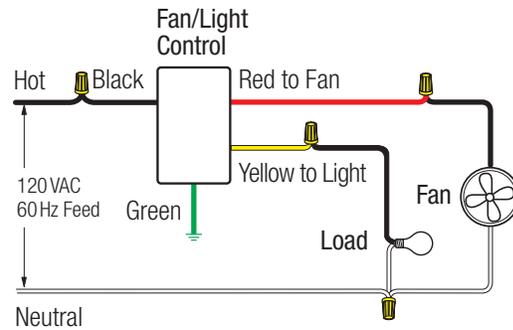
Single-pole wiring, fan-only control



\* Switched full voltage only

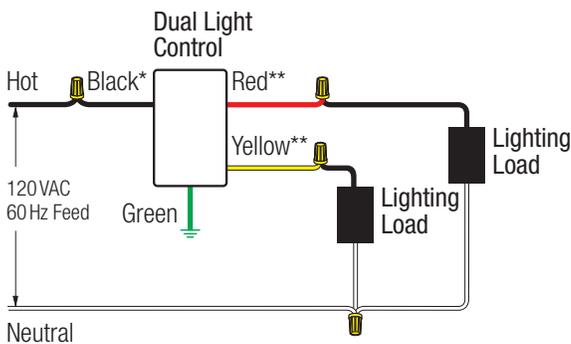
## Wiring diagram #27

Single-pole wiring, fan/light control



## Wiring diagram #28

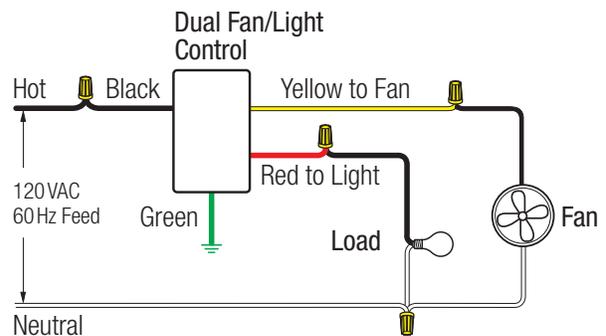
Single-pole wiring, dual light control



\* or Black screw terminal  
\*\* or Brass/Gold screw terminal

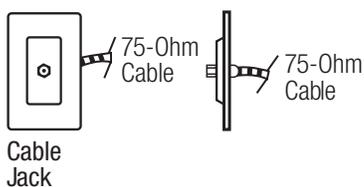
## Wiring diagram #29

Single-pole wiring, dual fan/light control



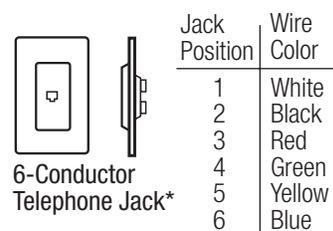
## Wiring diagram #30

Cable jack wiring



## Wiring diagram #31

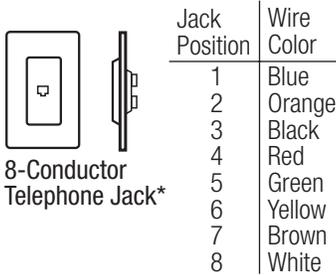
Telephone jack wiring, 6-conductor



\*Accepts most 4-conductor jacks

## Wiring diagram #32

Telephone jack wiring, 8-conductor

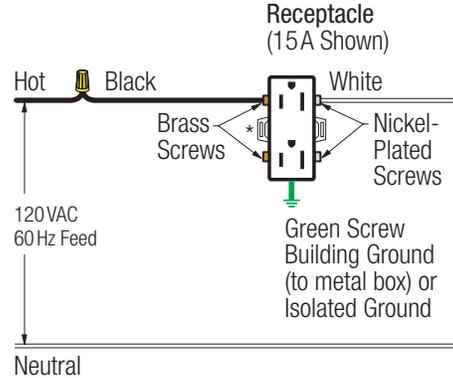


8-Conductor Telephone Jack\*

\*Accepts most 4- or 6-conductor jacks

## Wiring diagram #33

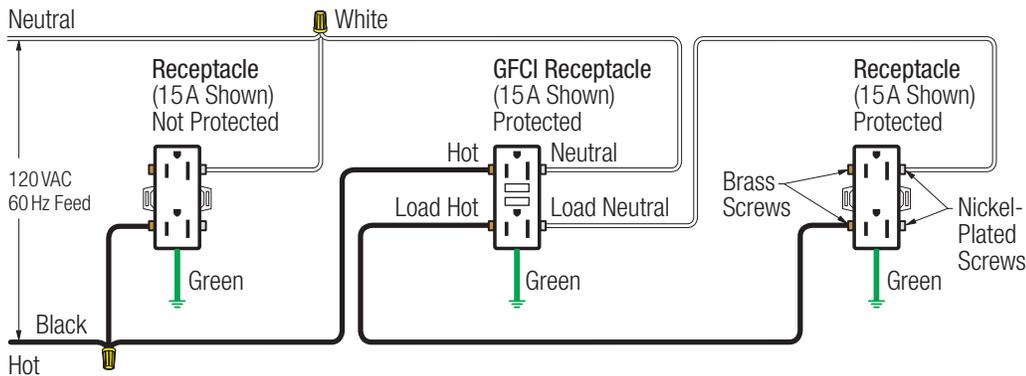
Receptacle wiring



\*For split circuit wiring, break off tab on brass side only

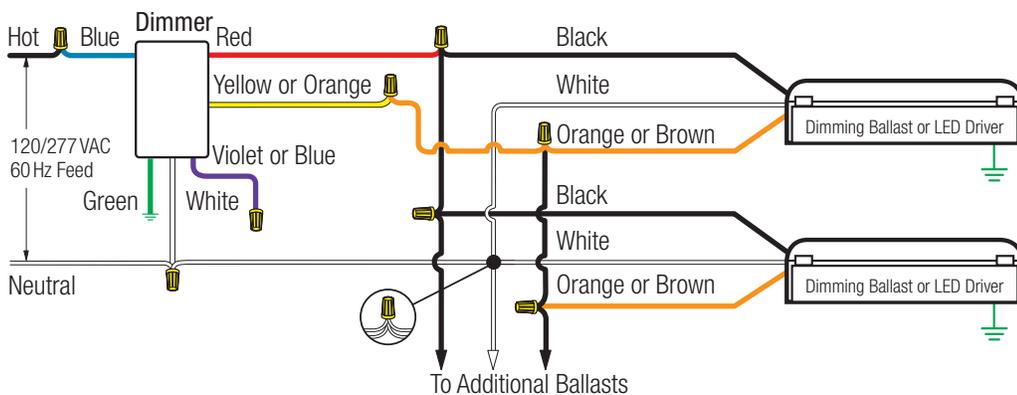
## Wiring diagram #34

GFCI receptacle wiring



## Wiring diagram #35

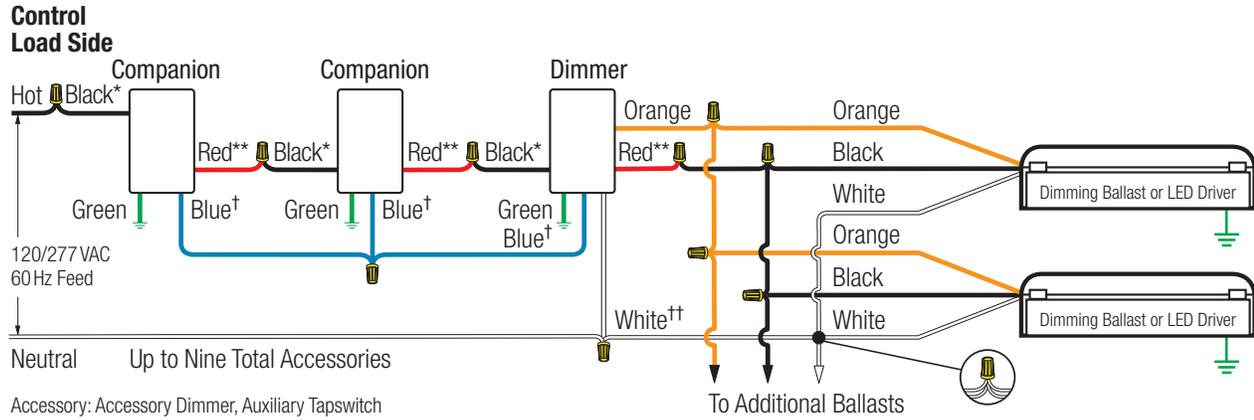
Single-pole wiring of 3-way, 3-wire control





### Wiring diagram #39

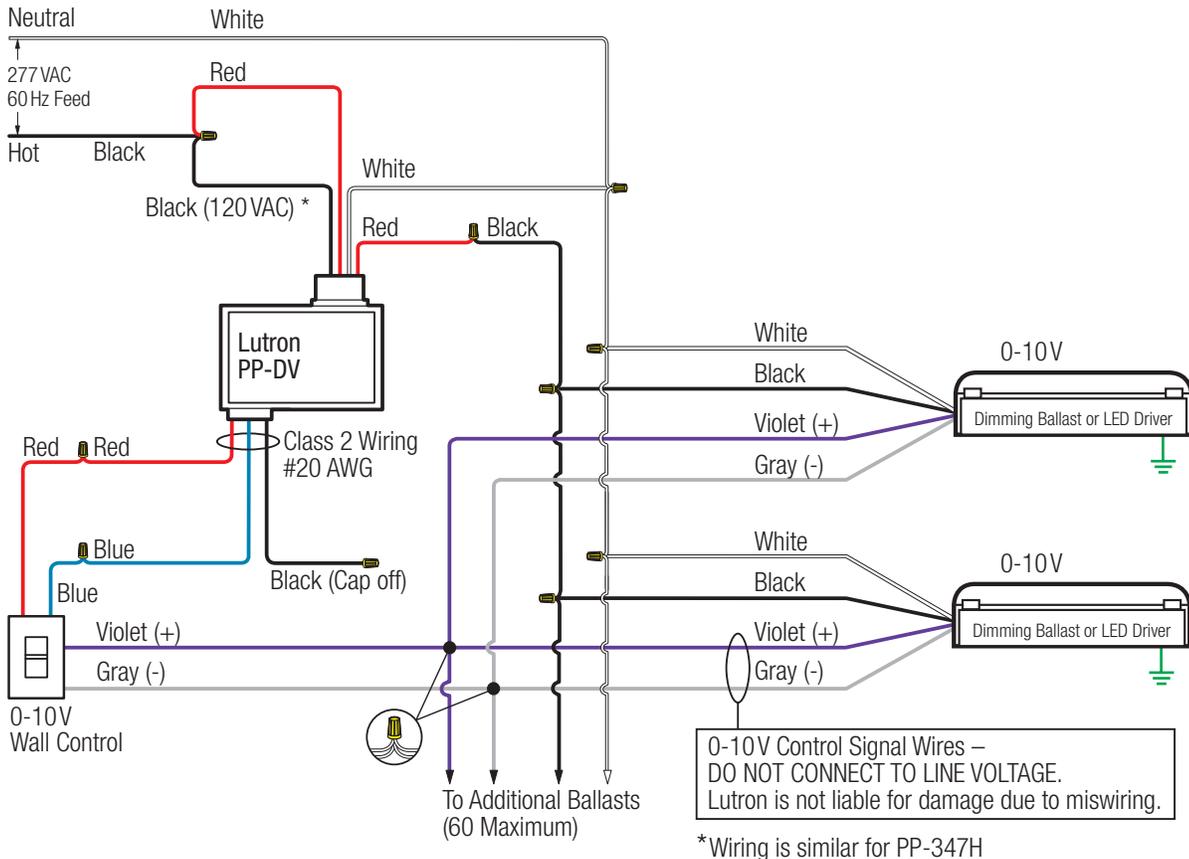
Multi-location wiring of 3-wire control



- \* or Copper/Black screw terminal
- \*\* or Brass/Gold screw terminal
- † or Blue screw terminal
- †† or Silver screw terminal

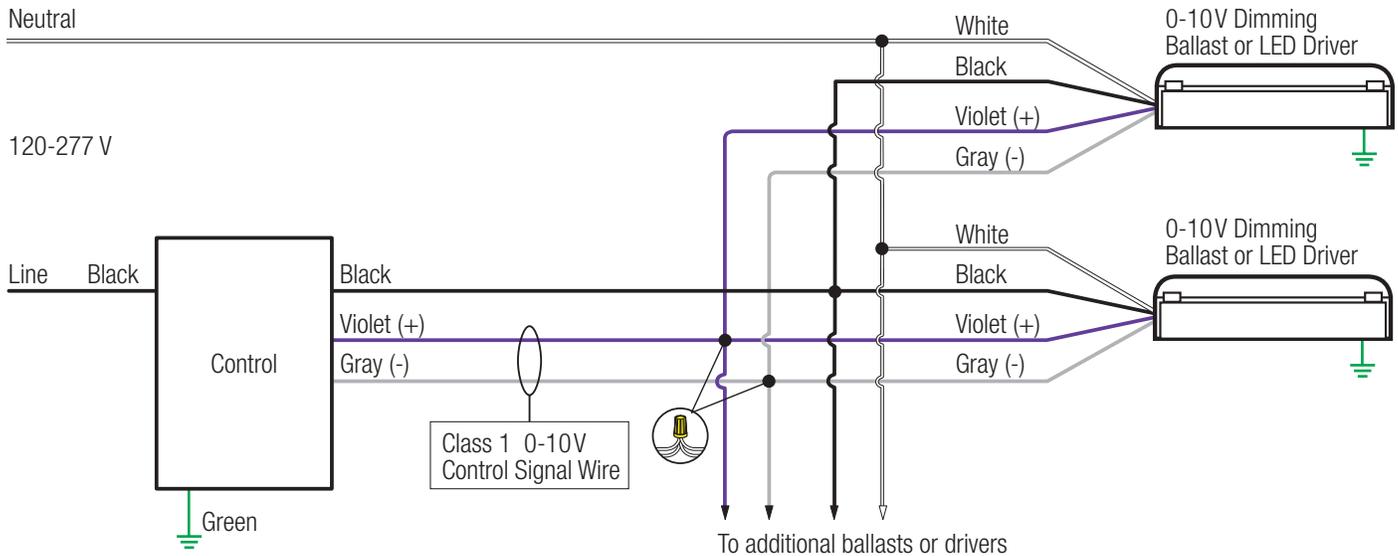
### Wiring diagram #40

Single-pole wiring of 0-10V control and a power pack



## Wiring diagram #41

Single-pole wiring of 0-10V control

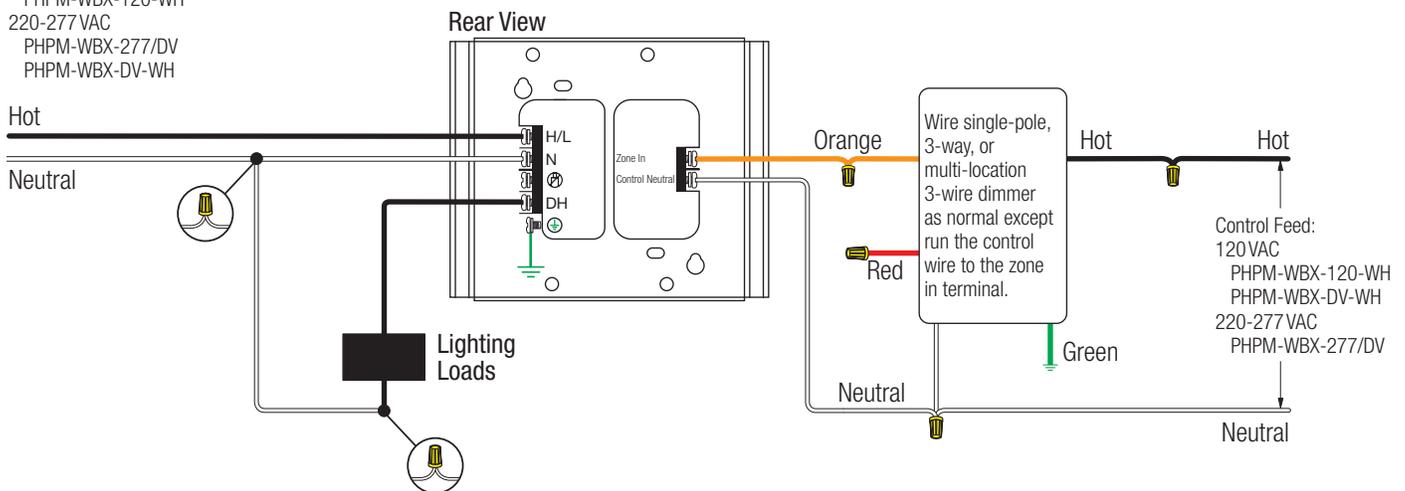


## Wiring diagram #42

Wallbox phase adaptive power module with 3-wire control wiring:

Dimmable LED (screw-base), incandescent/halogen, MLV, ELV, Tu-Wire fluorescent\*

Load Feed:  
 120VAC  
 PHPM-WBX-120-WH  
 220-277VAC  
 PHPM-WBX-277/DV  
 PHPM-WBX-DV-WH



For neon/cold cathode loads select a 3-wire dimmer that has an adjustable low-end trim, since the trim may need to be adjusted.

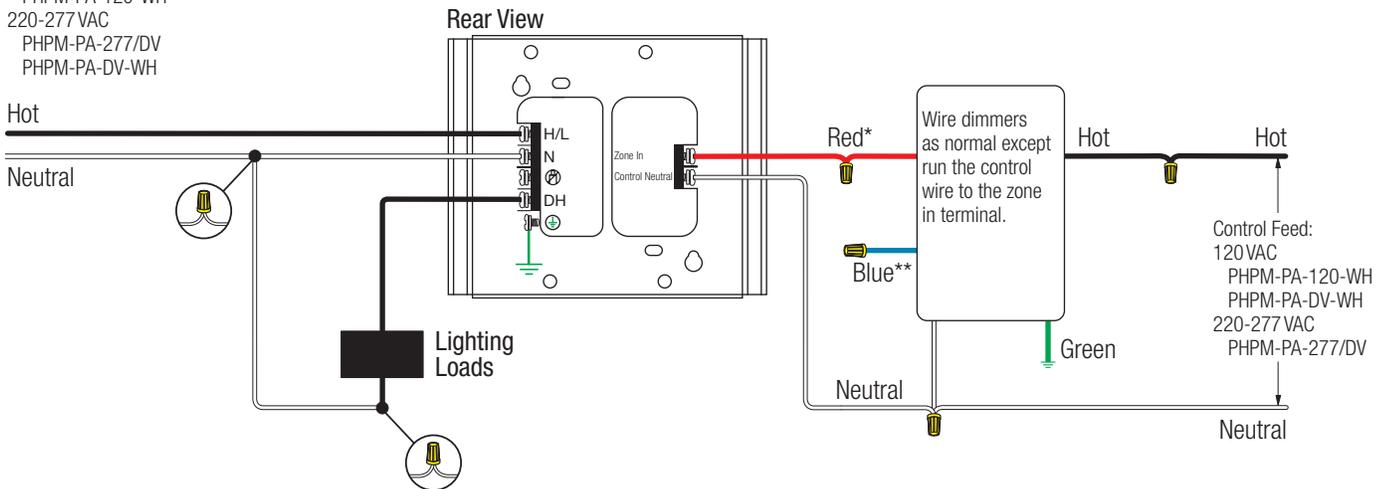
\*For Tu-Wire fluorescent loads replace PHPM-WBX-DV with a PHPM-PA-DV and wire it the same way.

**Wiring diagram #43**

Phase adaptive power module control wiring:

Dimmable LED (screw-base), incandescent/halogen, MLV, ELV, Tu-Wire fluorescent

Load Feed:  
120 VAC  
PHPM-PA-120-WH  
220-277 VAC  
PHPM-PA-277/DV  
PHPM-PA-DV-WH



\* Or Brass/Gold screw terminal

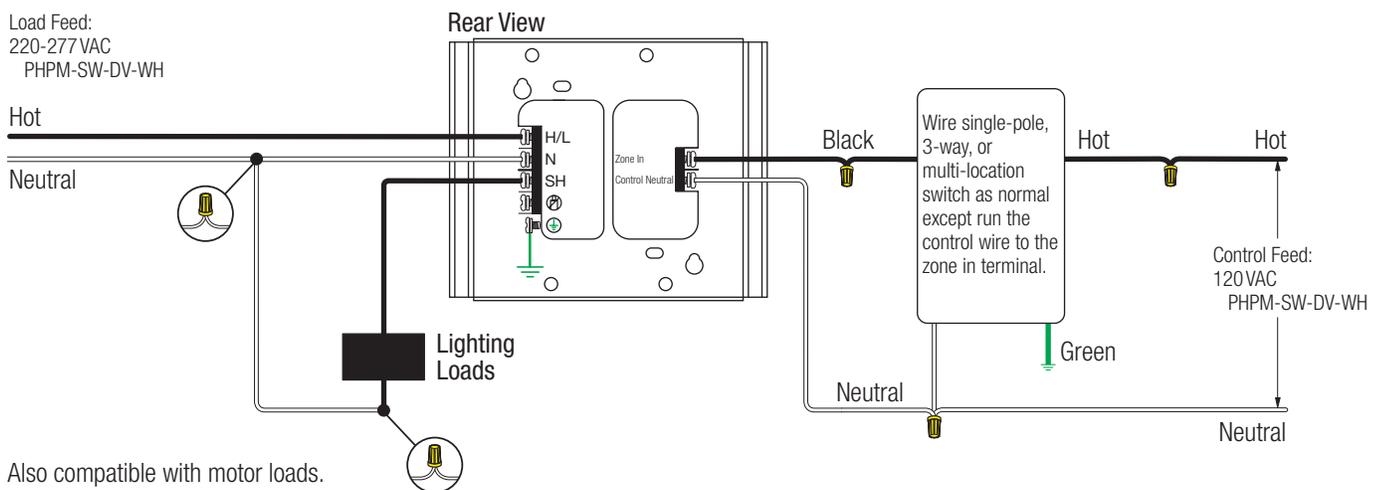
\*\* Or Blue screw terminal

**Wiring diagram #44**

Switching power interface with a Lutron switch:

Incandescent/halogen, MLV, ELV, magnetic and electronic fluorescent ballasts, HID

Load Feed:  
220-277 VAC  
PHPM-SW-DV-WH

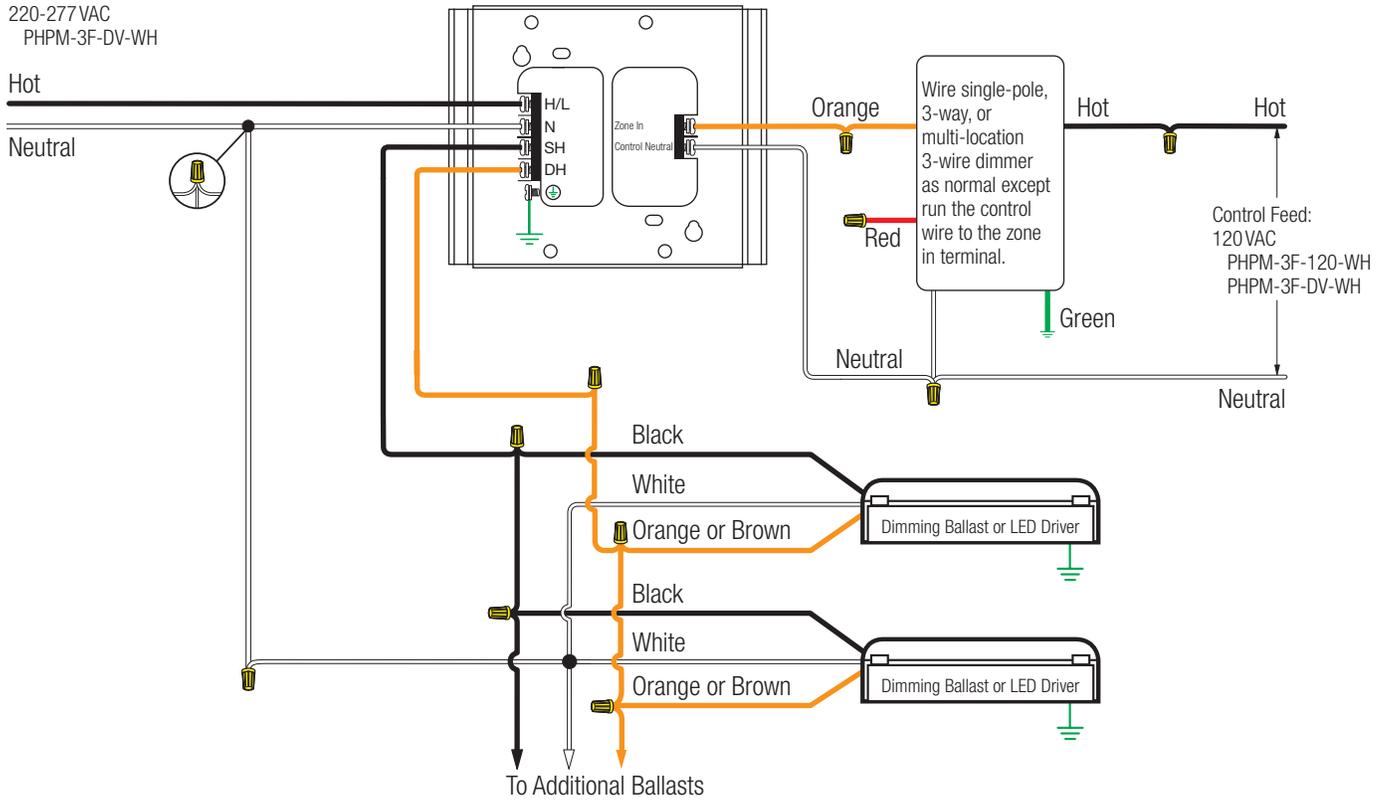


Also compatible with motor loads.

## Wiring diagram #45

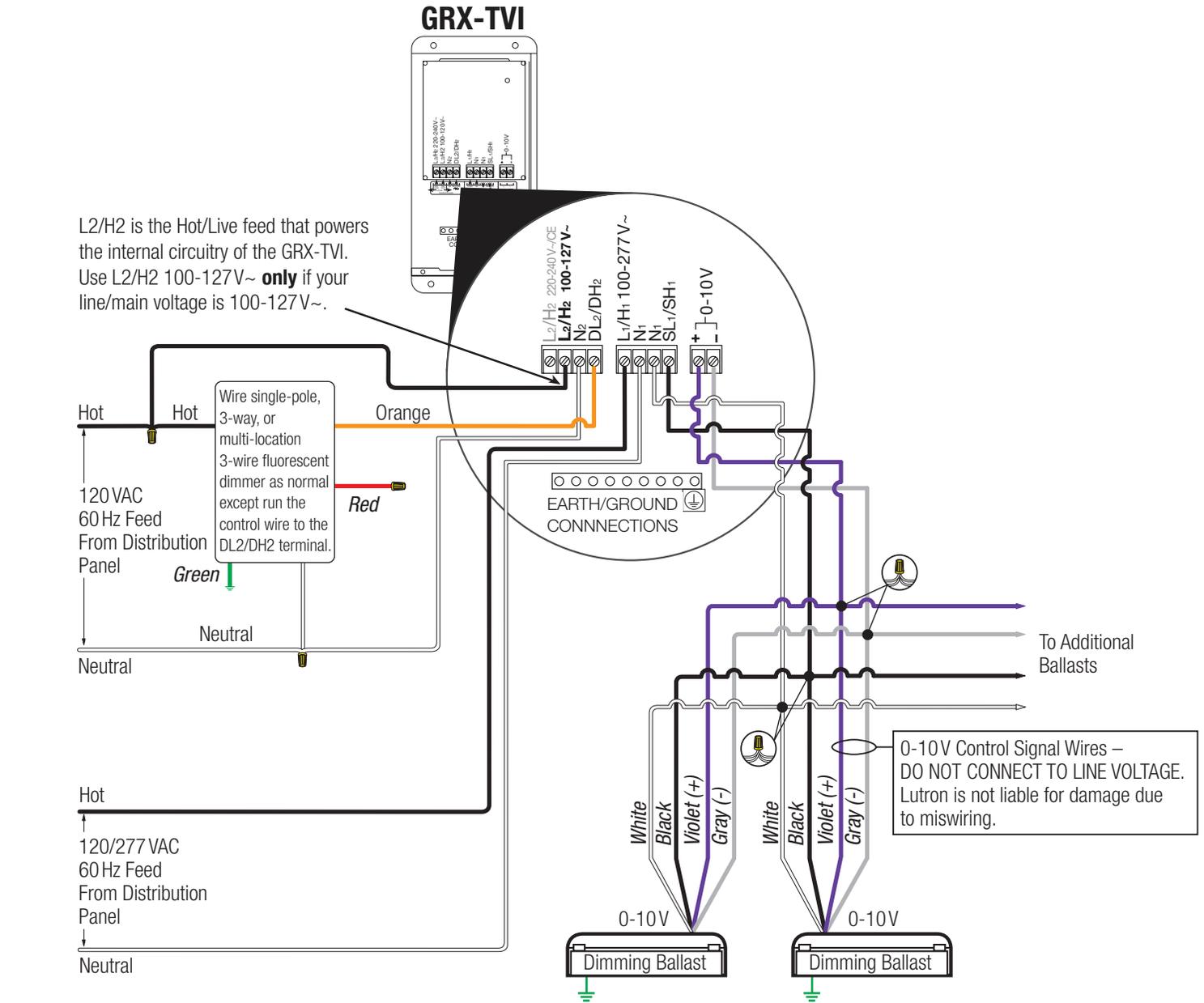
Fluorescent power module with 3-wire control:  
3-wire fluorescent ballasts, 3-wire LED drivers

Load Feed:  
120 VAC  
PHPM-3F-120-WH  
220-277 VAC  
PHPM-3F-DV-WH



**Wiring diagram #46**

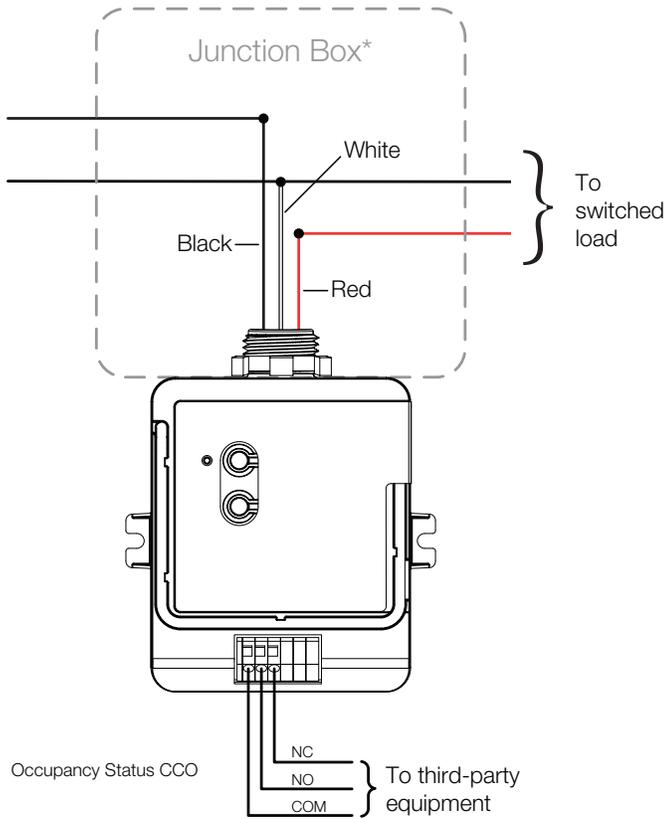
0–10V interface with 3-wire control wiring:  
 0–10V LED drivers, 0–10V fluorescent ballasts



Some 0-10V LED and fluorescent loads require low-end trim adjustments. Select a 3-wire dimmer that has an adjustable low-end trim. 0-10VDC sink control

## Wiring diagram #47

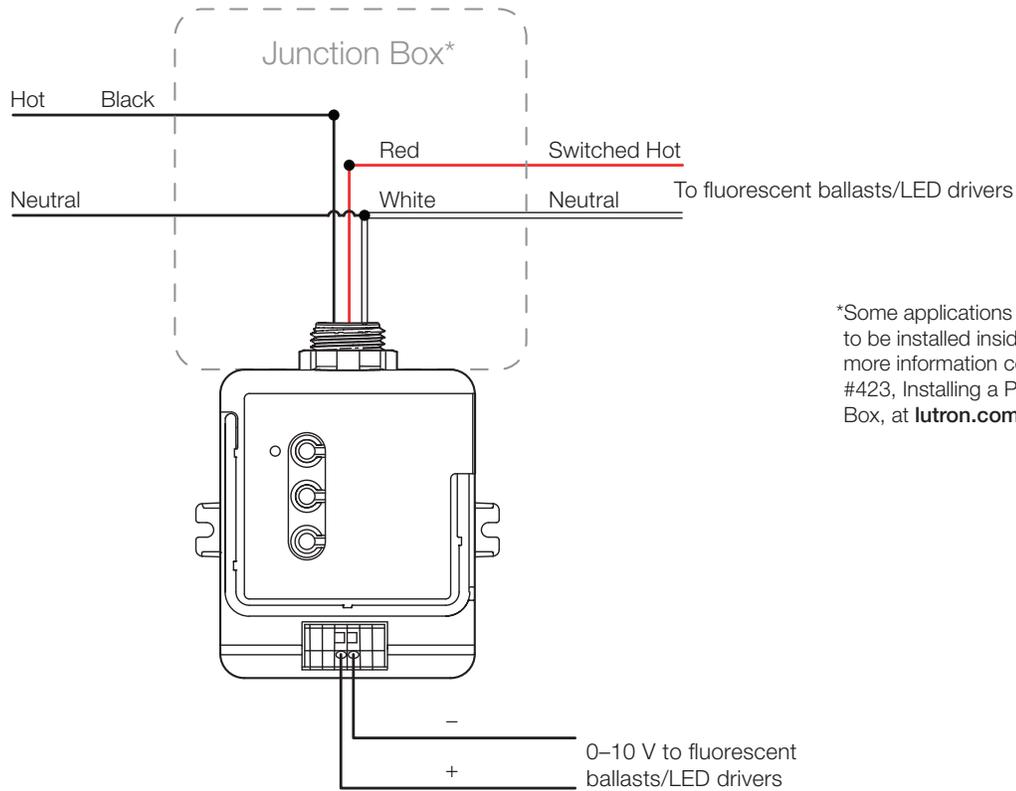
### Vive PowPak relay module



\*Some applications require the Vive PowPak module to be installed inside an additional junction box. For more information consult Lutron Application Note #423, Installing a PowPak Module inside a Junction Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

## Wiring diagram #48

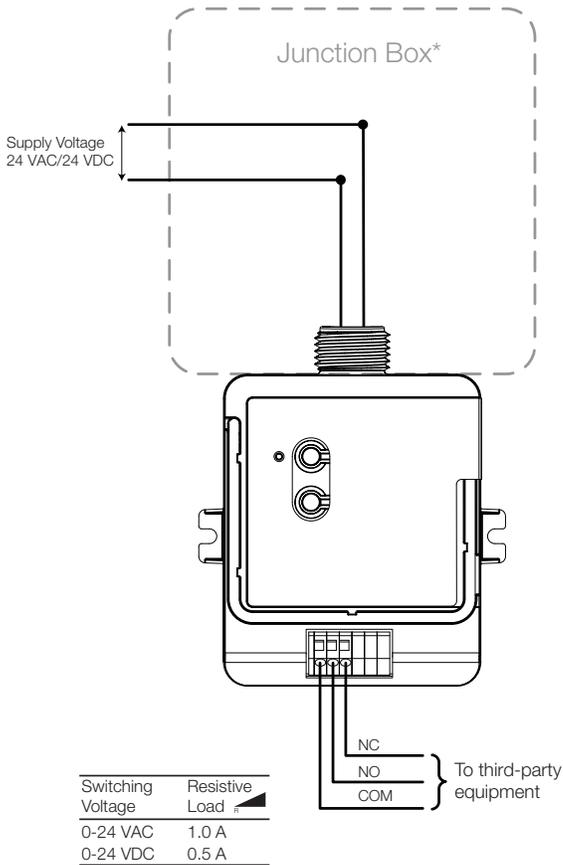
Vive PowPak dimming module with 0–10V control



\*Some applications require the Vive PowPak module to be installed inside an additional junction box. For more information consult Lutron Application Note #423, Installing a PowPak Module inside a Junction Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

## Wiring diagram #49

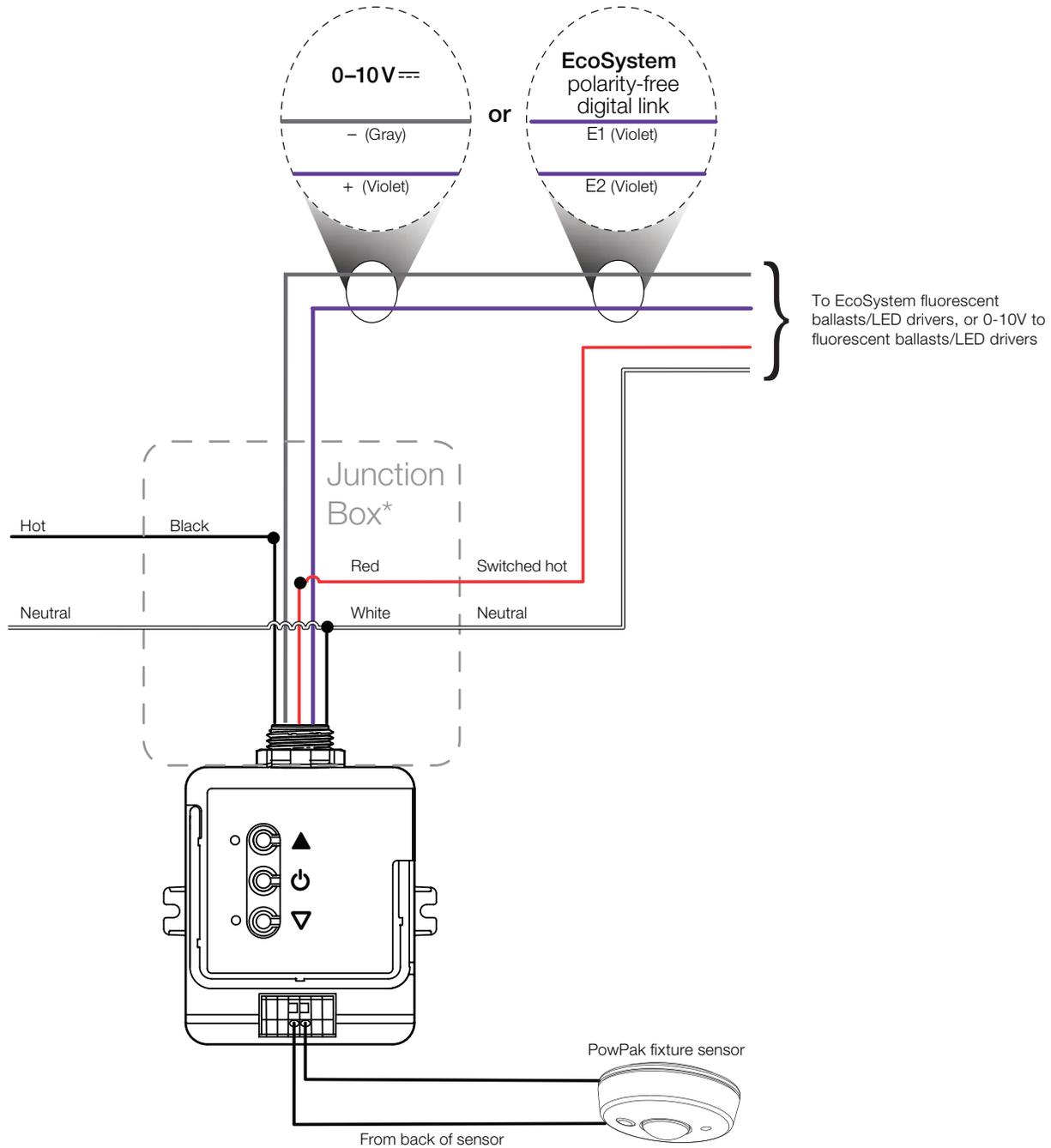
Vive PowPak contact closure module



\*Some applications require the Vive PowPak module to be installed inside an additional junction box. For more information consult Lutron Application Note #423, Installing a PowPak Module inside a Junction Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

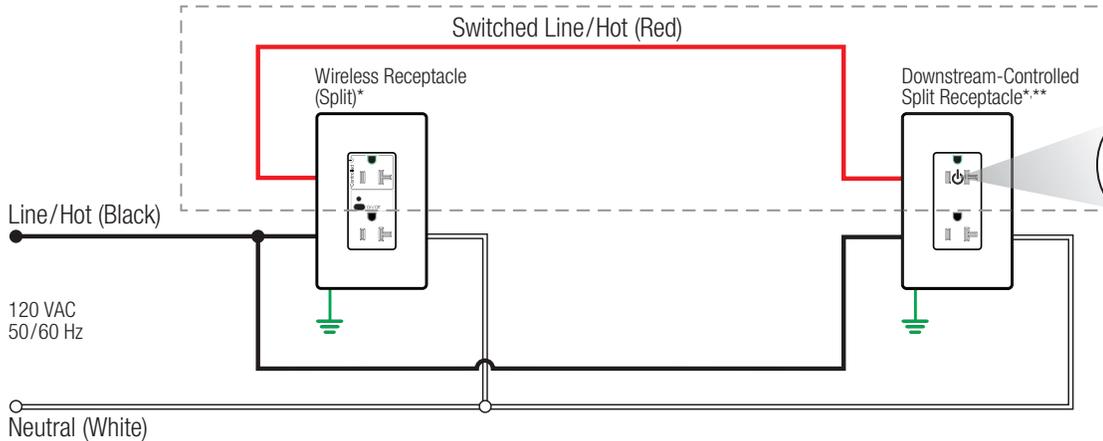
## Wiring diagram #50

Vive PowPak wireless fixture module and fixture sensor



## Wiring diagram #51

Wired split wireless receptacle with a downstream-controlled split receptacle



\*20 A version shown in above diagram.  
 \*\*Downstream receptacles are optional.

### ATTENTION INSTALLER

Any receptacles that are controlled by an automatic control device must be marked with “⏻” located on the controlled receptacle outlet where visible after installation as stated in 2014 NEC® Article 406.3(E).

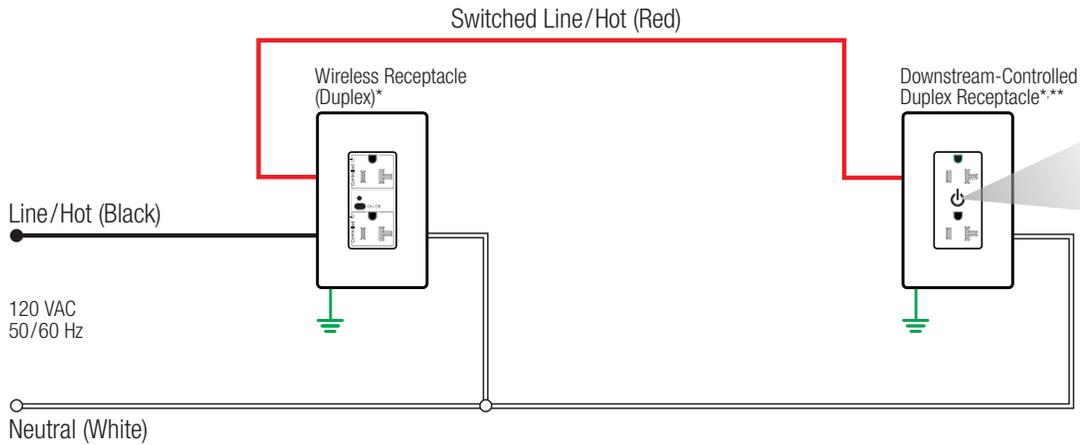
**NOTE:** Labels with this marking “⏻” are included with the product.

When using split downstream receptacle, ensure the connecting link is broken to enable independent Line/Hot and Switched Line/Hot connections



## Wiring diagram #52

Vive duplex wireless receptacle with downstream-controlled duplex receptacle



\*20 A version shown in above diagram.  
\*\*Downstream receptacles are optional.

### ATTENTION INSTALLER

Any receptacles that are controlled by an automatic control device must be marked with “⏻” located on the controlled receptacle outlet where visible after installation as stated in 2014 NEC, Article 406.3(E).

**NOTE:** Labels with this marking “⏻” are included with the product.

**0-10V Control**

An analog lighting control protocol. A 0-10V control modifies a voltage between 0 and 10 volts DC to produce a varying intensity level. There are two existing 0-10V standards and they are not compatible with each other. The two 0-10V control types are 1) current source (theatrical dimming standard ESTA E1.3) and 2) current sink (dimming ballast standard IEC Standard 90626).

**3-way Dimmer with Switches**

3-way dimmers adjust the light level from one location. When used with 3- and 4-way switches, the lights can be switched "ON" to the dimmer level from additional locations (a 3-way switch is for two locations; a 4-way switch is for three or more locations).

**Air-Gap Switch**

A safety feature in all Lutron controls that provides true "off" function by disconnecting power to a lighting load. The switch physically separates two contacts, resulting in an air gap between the contacts. The switch is visible and front accessible. Styles vary for each dimmer type.

**Amperes/Amps (A)**

Electrical current unit of measurement.

**Astronomical Timeclock**

A time switch programmed for a specific geographic location to provide automatic timed event control of lights and/or shades. The programmed time can be a fixed time or coordinated with sunrise and sunset times that change daily throughout the year.

**Backbox (Wallbox, Switchbox)**

A wall-mounted metal or plastic enclosure housing one or more electrical devices (available in single or multiple gangs). Standard USA 1-gang size is used for Lutron domestic controls (3in high x 2.5in deep). See pp. 246–249 for further information.

**Ballast**

An electrical device required to start and operate all fluorescent and high intensity discharge (HID) lamps. Ballasts furnish the necessary voltage and current for starting and operating the lamp(s). Internationally, a ballast is sometimes referred to as control gear.

**C•L Dimmer**

UL Listed for controlling a broad range of dimmable CFLs and LEDs. C•L dimmers deliver a more reliable dimming performance over standard dimmers when dimming CFLs and LEDs, and also provide full range dimming for incandescent and halogen bulbs. C•L dimmers enable you to future-proof your lighting control when using new bulbs.

**Compact Fluorescent Lamp (CFL)**

A high efficiency lamp type that can be dimmed using a matching dimming ballast and dimmer. Standard lamp types are Twin Tube, Quad Tube, and Triple Tube. They are available in 2-pin and 4-pin versions. To operate, both require an external ballast located in the fixture; 2-pin versions are not dimmable, and 4-pin versions are dimmable when used with a dimming ballast. Screw-base CFLs are designed to replace incandescent lamps in existing fixtures, but most are not dimmable. Some can be dimmed with a Lutron C•L dimmer. Confirm the compatibility of CFL lamp and C•L dimmer before installation.

**Companion Dimmer**

Allows for dimming from two or more wall locations when used with a compatible multi-location dimmer.

**Companion Switch**

Allows for switching from two or more wall locations when used with a compatible multi-location switch.

**Control Zone**

A lighting fixture or group of fixtures that are controlled simultaneously. For example: two wall sconces wired together and controlled with one dimmer is a control zone. Window shades can also be grouped together as zones.

**Daylight Sensor**

A device that monitors changes in available daylight. Typically ceiling or luminaire mounted, the sensor provides a feedback signal for automatic dimming or switching of electric lighting (see Photo Sensor).

**Derating**

In relation to Lutron wallbox dimmers, the reduction of the power (Wattage) or current (Amps) capacity that a wallbox dimmer can reliably handle. Dimmers must be derated when side sections of the mounting yoke or fin have been removed from the unit to allow for ganging. See pp. 250–258.

**Digital Fade Dimmers**

Lutron dimmer types that provide a gradual fade-to-off/fade-to-on feature when the switch is pressed, as compared to the more traditional slide-to-off or rotary dimmers that turn on/off with immediate response. Digital fade dimmers also include LED indicator lights to show the light level in the room.

**Dimmer**

An electronic control device used to vary the intensity of light output from a lamp source. Electronic dimmers reduce light level by reducing the power delivered to the lamp source, which saves energy. Dimmers also provide longer lamp life for incandescent, halogen, and low-voltage sources (e.g., 10% dimming doubles the expected lamp life).

**Double-tap**

A feature of some Lutron products in which two fast presses (in quick succession) bring lights on to full intensity, temporarily overriding any preset light level.

**Driver**

Auxiliary device needed to provide the correct power to operate an LED light source. The driver regulates the voltage and current to the LEDs. Dimmable drivers also vary the intensity of light output by reducing current or voltage.

**Dual Device**

A combination dimmer, switch, timer, or fan control that offers independent control of two groups of lights or fans, and only takes up a 1-gang electrical backbox.

**eco-dim**

A Lutron dimmer that guarantees at least 15% energy savings compared to standard switches, and also provides three times longer lamp life for incandescent/halogen lamps. Maximum light output of 85% guarantees energy savings over standard switch.

**eco-timer**

A Lutron timer switch that automatically turns a fan or light off after a set period of time. LED indicators change as the time counts down from 5 minutes to 1 hour. A 1-minute blink warning signals when the load is about to be turned off.

**Electronic Low-Voltage (ELV)**

A low-voltage incandescent or LED lighting source that uses a solid-state electronic transformer or driver to step down the incoming line voltage to the voltage required by the lamp (typically 12V). Most ELV transformers are dimmable and use reverse phase control (trailing edge) ELV dimmers. Track and recessed down lights can be electronic low-voltage or magnetic low-voltage. ELV transformers should only be used with ELV-type dimmers.

**Electronic Switch**

Uses semiconductor device(s) to turn the current flow into the load on and off. These switches also include a mechanical disconnect (air-gap switch) to manually disconnect power for safety when replacing lamps. They typically need to be derated when ganged. Electronic switches can only be used with the load type they are approved to operate and are listed under UL1472 or UL508.

**Electrostatic Discharge Protection**

Protects Lutron products from static discharges (static shocks) common in dry climates, up to 16 kiloVolts, without damage or loss of memory.

**Fade Time**

The total time it takes the lighting controlled by a dimmer to change from one preset level to another. The time can be set from 0 seconds to 60 minutes depending on the dimmer.

**Fan-motor Hum**

The noise made by a fan motor at lower speeds when controlling the fan using fully variable technology. Lutron has quiet 3-and 7-speed controls that do not cause the fan motor to hum.

**Fin**

The raised vertical metal dividers or side sections on certain Lutron dimmers—these serve as a “heat sink” to dissipate heat.

**Fins Broken (FB)**

Removing a portion of the fins (heat sink) to fit dimmers into a standard backbox, using standard size wallplates. The dimmer's wattage capacity must be derated. Also see Ganging and Derating, pp. 248–257 when ganging dimmers.

**Fluorescent Lamp**

A low intensity “discharge” lamp that produces light when electric current passes through mercury gas. The resulting arc produces ultraviolet energy, which causes the phosphor coating on the inside of the glass envelope to produce light. Fluorescent lamps require a ballast to start the lamp and maintain the light output. Fluorescent dimming ballasts are available for most fluorescent lamps, so the lamps can be dimmed down to as low as 1% of their maximum measured light output.

**Fully Variable Fan Control**

Commonly known as solid state fan control, fully variable fan control offers full control of a fan motor over a continuous range. It can be used for controlling one or more ceiling paddle fan(s) or exhaust fan(s). (Also see Quiet 3-Speed Fan Control.)

**Ganging**

Mounting two or more dimmers, switches, receptacles, or controls side-by-side in a series of connected (ganged) backboxes.

**Ground Fault Circuit Interrupter (GFCI)**

A safety device that monitors current flow and quickly turns off a circuit when the current returning on the neutral wire is less than what is going out on the hot wire (difference  $\geq 6$  mA). It is intended to provide protection from potentially dangerous ground-fault currents.

**Halogen Lamp**

A higher efficiency incandescent lamp in which halogen is added to the gas in the quartz glass inner envelope. This allows the lamp to operate more efficiently and at a slightly higher color temperature. Halogens have a longer life and higher lamp lumen depreciation than incandescents. Also called quartz halogen or tungsten halogen.

**Incandescent Lamp**

An electric lamp in which a filament gives off light when heated by an electric current. Standard light bulbs are incandescent line voltage (120V). They offer excellent color rendering and are simple to replace, but are short-lived and inefficient. Newer, more efficient incandescent types are halogen and low-voltage lamps.

**Infrared (IR)**

Signals in the frequency range just below visible light. IR signals are used for remote control of televisions and audio video products. Several Lutron products use IR signals for on/off control, selecting presets, and providing raise/lower control of lighting and/or shades. Lutron hand-held remote controls transmit IR signals to the control device's IR receiver. Remote controls by other manufacturers can also be used, allowing one remote to control many different components, including lights and shades.

**Infrared Receiver (IR Receiver)**

A component that receives signals from an IR transmitter. Receivers require line-of-sight for functionality. Lutron products with IR receivers include dimmers, control units, and shades.

**Infrared Transmitter (IR Transmitter)**

A hand-held component such as an IR remote control that transmits signals to an IR receiver.

**Lamp Debuzzing Coil**

An inductor connected between the control and the load to minimize lamp or transformer buzz and radio frequency interference.

**Lamp Life**

Average rated time period of the operation of a lamp before it fails to produce light. For incandescent and fluorescent lamps, manufacturers define this as the point in time when 50% of tested lamps have failed. LED lamp life is defined as when the light output from the LED falls below 70% of its maximum lumen output.

**LED (Light Emitting Diode)**

A solid state, energy efficient light source. LEDs can have up to a 100,000 hour life, are cooler to the touch, and provide more lumen output per input watt than incandescents, which equates to less wasted energy. White LEDs are blue LEDs with a yellow phosphor and are used in architectural, commercial, and residential projects. Red, green, and blue (RGB) LEDs are used in signage, traffic lights, and multi-colored lighting effects. LEDs need a driver to operate. Screw-base LEDs can be used as a direct replacement for incandescent/halogen lamps. Some dimmable versions are compatible with Lutron C•L dimmers. Confirm the compatibility of the LED lamp and C•L dimmer before installation. For details on controlling LEDs, visit [lutron.com/led](http://lutron.com/led).

**LED Driver**

Auxiliary device(s) needed to operate LED lamps. They operate by regulating both the voltage and current power that the LEDs source. There are both dimming and switching types.

**Linear Slide Dimmer**

A Lutron dimmer that controls the light level by a knob that slides up or down to the selected light level.

**Locator Light**

A small indicator light on some dimmers and accessory controls that remains illuminated to help a user locate the control in a dark space.

**Magnetic Low-Voltage (MLV)**

A low-voltage incandescent lighting source that uses a magnetic transformer to step down the incoming line voltage to that required by the lamp (typically 12V). Track and recessed lights can be magnetic low-voltage. Magnetic low-voltage transformers tend to be larger and heavier than electronic low-voltage (ELV) transformers, and their power consumption must be counted toward dimmer load.

**Mechanical (General Purpose) Switch**

The common wall switch that is used to turn on/off lighting or other loads. A general purpose switch typically comes in single pole, 3-way, and 4-way varieties, and sometimes will include a locator light that is either an LED or neon indicator lamp. Mechanical switches typically do not need to be derated when ganged.

**Multi-Location Dimming**

The ability to provide true dimming of a lighting load from two or more locations. A multi-location dimmer must be used with specific companion dimmers or accessory dimmers. Standard 3-way/4-way wiring can be used. Multi-location dimming is also available from wireless Lutron products, such as the Pico wireless remote.

**Neon/Cold Cathode (NCC)**

Tubular shaped lamps that are typically less than an inch in diameter. They are used for decorative lighting or signage, and are custom shaped to fit into coves or wrap around columns, or shaped into letters (i.e., outdoor signs). Cold cathode lamps used in architectural lighting are 1/2 to 1 inch in diameter, and filled with mercury. These are available in a range of white color temperatures. NCC lamps operate similar to fluorescent lamps. The ionized gas causes a phosphor coating on the inside of the lamp to produce light. A step-up (high voltage) transformer/ballast is required to start and operate NCC lamps. Many NCC transformers are dimmable. Dimmer type must be matched to transformer type.

**No Fins Broken (NFB)**

Fins are not removed from dimmers, allows for full load capacity. May require the use of customized, wider-than-standard backbox and/or wallplate when ganging with other light controls in same backbox.

**Non-Dimmed Load (Switched Load)**

A load that can only be turned on/off and not set at any intermediate lighting level or motor speed. This term can refer to a lighting load, a fan, or a motor load.

**Occupancy Sensor**

A device that detects the presence/absence of people in a space, and provides automatic switching or dimming of lighting. The primary purpose is to automatically turn lighting off when an area is not occupied, to save energy. An occupancy sensor will also turn lighting on automatically when it detects a person (Auto On/Auto Off) (see Vacancy Sensor).

**Photo Sensor**

Another name for a daylight sensor.

**Power Failure Memory**

When power is restored after a power failure (up to 10 years), lighting and shading is restored to the same levels set prior to the power failure. This minimizes the inconvenience of power service interruptions.

**Preset**

Predetermined light intensity or shade position for a lighting or shade zone that can be recalled by pressing a single button. You can also adjust lights/shades without losing the presets (see Scene).

**Quiet 3-Speed Fan Control**

A fan control that offers three pre-set speeds plus off, and can typically be used for controlling one ceiling paddle fan. These fan controls do not cause the motor to hum (see Fully Variable Fan Control).

**Radio Frequency (RF)**

A wireless control method for operating lights, shades and other systems. Lutron utilizes Clear Connect RF control technology, which operates at frequencies in the 400Mhz range. These frequencies pass through most materials and are designed to be extremely reliable. Lutron's frequency choices provide less interference to and from other devices.

**Radio Frequency Interference (RFI)**

Generated by most electronic equipment, including solid-state dimmers. RFI can create a buzzing noise in nearby audio and radio equipment. Every Lutron dimmer contains a filter to suppress RFI; additional filtering may be required in some applications. Keep dimmers and wiring 8 feet away from A/V and other electronic equipment to minimize RFI interference.

**RFI Filter**

An electrical circuit that is part of all Lutron dimmers. It is intended to reduce RFI and lamp buzz.

**Scene**

The lighting effect achieved by adjusting one or more zones of lighting to the desired intensity (see Preset).

**Screw-base Compact Fluorescent Lighting (CFL)**

Fluorescent bulbs used to replace standard incandescent bulbs in residential and commercial applications, screw-in to lamp sockets in lamps and fixtures. Screw-base CFLs that are rated for dimming will typically only dim down to about 10% to 30% of the lamp's light output. For more information on dimming these lamps please visit [lutron.com/dimcflled](http://lutron.com/dimcflled).

**Screw-base LED Lighting**

LED bulbs used to replace standard incandescent bulbs in residential and commercial applications, screw-in to lamp sockets in lamps and fixtures. Screw-base LEDs that are rated for dimming will typically only dim down to about 5% to 15% of the lamp's light output. For more information on dimming these bulbs please visit [lutron.com/dimcflled](http://lutron.com/dimcflled).

**Sensor**

A device that detects motion, daylight, heat, and partition location, and provides the information to allow for automatic lighting, shading, and other building system control.

**Single-pole Dimmer/Switch**

A switch or dimmer that controls a lighting zone from one location only. A 3-way dimmer or a multi-location dimmer can be used as a single-pole.

**Slide-to-Off**

Style of dimming control with a linear slide knob in which the lowest travel position is off.

**Smart “Electronic” Dimmers**

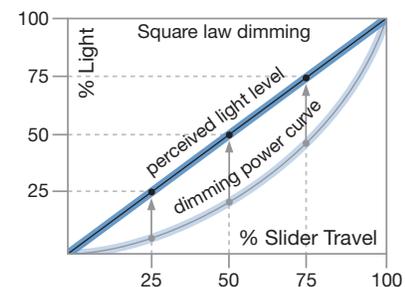
Smart dimmers use a microprocessor to set the light level and offer more advanced features, such as multi-location control, RF or IR remote control capability, and long fade times. These dimmers typically have a tap switch for on/off, a rocker switch to change light levels, and a column of LEDs to indicate relative light levels.

**Soft-on, Fade-to-Black Technology**

Describes incandescent-like dimming performance achieved with select Lutron LED drivers. The light turns on and off smoothly between 0% and low-end, eliminating the pop-on and -off effect delivered by most other LED drivers.

**Square Law Dimming**

A dimmer or control is calibrated so that the linear slider position or LED indicator column provides a true representation of the light level, as perceived by the user. For example, if the slider is set at the halfway point or one-half of the column of LEDs is lit, the light level appears to be at 50%. Dimmers adjusted in this way will also use the full range of the slider or LED indicator without any “dead” travel at the top or bottom slide position or indicator LED column.

**Status Light**

A light that brightens to indicate when a device is on and dims when the device is off.

**Surge Protection**

Circuitry that protects Lutron products against a near lightning strike surge of 6000V, 3000A, as recommended by the ANSI/IEEE standard c62.41.

**Tap Switch**

A Lutron dimmer or electronic switch activator with a flat mechanical button that, when pressed, allows the lights to turn on to a desired preset level, and to turn off when pressed a second time. Dimmer versions have a small slider or rocker that allows the user to adjust the lighting level.

**Toggle (On/Off)**

A switch or keypad button that alternates between two states (typically on/off) with each activation.

## **Transformer**

A device that changes line voltage (120V or 277V) to 24V, 12V or 6V needed for low-voltage lighting sources. It can be integral to the lighting fixture for low-voltage lamps (e.g., MR-16 or Par 36). Standalone (remote) transformers can supply multiple lamps or luminaires (e.g., for a low-voltage lighting strip in a ceiling cove). Transformers can be electronic or magnetic. **Dimmers must be matched to either type of transformer.**

## **Triac**

The electronic component responsible for the dimming function in many Lutron dimmers. This component reduces the power to a light by switching on/off very rapidly (120 times per second). Lutron products use heavy-duty-rated triacs that are tested to last over 10 years.

## **Tungsten-Halogen Lamp**

See Halogen Lamp.

## **Vacancy Sensor**

A device that detects the absence of people in a space, and provides automatic switching or dimming of lighting. The primary purpose is to automatically turn lighting off when an area is not occupied, saving energy. Designed to meet California Title 24 requirements, a vacancy sensor relies on a person operating a manual switch to turn lighting on (manual on/auto off) (see Occupancy Sensor).

## **Voltage**

The electrical potential, measured in volts (V), supplied by an electrical system. In the U.S. the standard voltage systems operate at a 60Hz frequency. In residential applications, the standard service is referred to as 120/240V, commonly known as a single-phase system. Commercial buildings have two common service types. In smaller buildings, it is 120/208V, known as a three-phase service. The interior lighting in these applications generally uses 120V feeds. In larger buildings, the primary service is 277/480V, which is also known as three-phase service. The interior lighting in these applications generally uses 277V feeds. Voltage varies by country.

## **Voltage Compensation**

Special circuitry that maintains consistent power delivered to the lamp, in the event of incoming line-voltage variations.

## **Wallplate**

A decorative faceplate that covers a dimmer or lighting control by attaching to the front of the unit. Lutron wallplates have no visible screws and are available in up to 6-gang, with seamless appearance, in a wide variety of colors and finishes.

## **Watt (W)**

Basic unit of measurement for electrical power consumption.

## **Zone**

A lighting fixture or group of fixtures that are controlled simultaneously. For example: two wall sconces wired together and controlled with one dimmer is a zone. Window shades can also be grouped together as zones. Also called a "control zone."

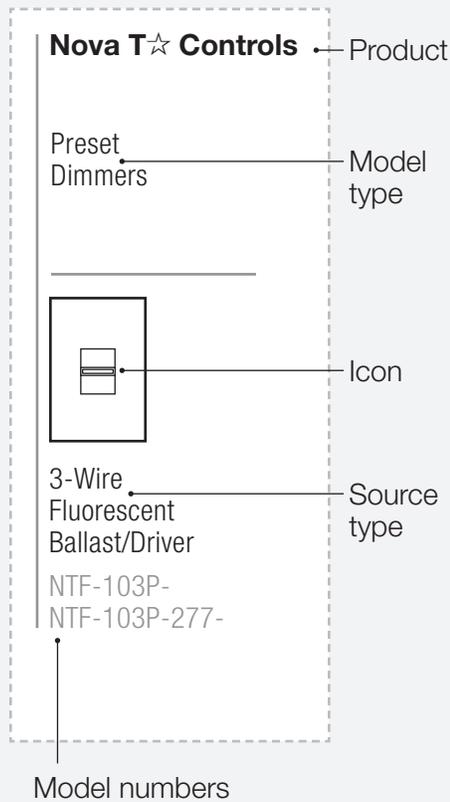
For a more detailed glossary of terms, go to [lutron.com/glossaryofterms](https://lutron.com/glossaryofterms).

## How to use this section

The visual index provides an alphabetical summary of each control family, with available models and model numbers.

Model numbers do not include color suffix; see below for more information on available colors and finishes. Some colors and finishes are not available with certain product families. Please consult family pages for color and finish availability.

### Example: Visual Index Entry



### Color Suffix

To order the specific color desired, add the color suffix to the end of the model number:

#### Gloss

<b>WH</b>	White
<b>IV</b>	Ivory
<b>LA</b>	Light Almond
<b>AL</b>	Almond
<b>GR</b>	Gray
<b>BR</b>	Brown
<b>BL</b>	Black

#### Satin Colors

<b>SW</b>	Snow
<b>LS</b>	Limestone
<b>BI</b>	Biscuit
<b>ES</b>	Eggshell
<b>PD</b>	Palladium
<b>ST</b>	Stone
<b>BG</b>	Bluestone
<b>PL</b>	Plum
<b>TQ</b>	Turquoise
<b>GS</b>	Goldstone
<b>DS</b>	Desert Stone
<b>SI</b>	Sienna
<b>GB</b>	Greenbriar
<b>MS</b>	Mocha Stone
<b>TC</b>	Terracotta
<b>HT</b>	Hot
<b>MR</b>	Merlot
<b>MN</b>	Midnight

#### Architectural Matte

<b>WH</b>	White
<b>IV</b>	Ivory
<b>AL</b>	Almond
<b>LA</b>	Light Almond
<b>BE</b>	Beige
<b>TP</b>	Taupe
<b>GR</b>	Gray
<b>SI</b>	Sienna
<b>BR</b>	Brown
<b>BL</b>	Black

#### Architectural Metal

<b>BN</b>	Bright Nickel
<b>BC</b>	Bright Chrome
<b>CLA</b>	Clear Anodized Aluminum
<b>SC</b>	Satin Chrome
<b>SN</b>	Satin Nickel
<b>QZ</b>	Antique Bronze
<b>BB</b>	Bright Brass
<b>BRA</b>	Brass Anodized Aluminum
<b>SB</b>	Satin Brass
<b>QB</b>	Antique Brass
<b>BLA</b>	Black Anodized Aluminum

#### Metal

<b>SS</b>	Stainless Steel
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**Ariadni Controls** p.80

Preset Dimmers

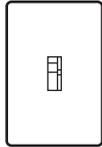
Preset Dimmers  
with Locator Light

Fan Control

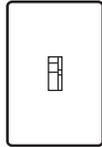
Dual Fan/Light Control  
(Two Loads)



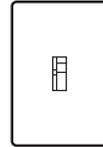
Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen – C•L  
AYCL-153P-



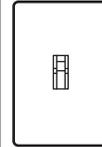
Magnetic Low-Voltage  
AYLV-600P-  
AYLV-603P-



Incandescent/Halogen  
AY-600PNL-  
AY-10PNL-  
AY-603PNL-  
AY-103PNL-



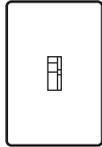
Quiet 3-speed  
AYFSQ-F-



Quiet 3-speed  
and Incandescent/  
Halogen Dimmer  
AY2-LFSQ-



Dimmable LED/  
CFL (screw-base),  
Incandescent/Halogen,  
Hi-lume 1% 2-Wire  
LED Driver – C•L  
AYCL-253P-



3-Wire Fluorescent  
Ballast/LED Driver  
AYF-103P-  
AYF-103P-277-



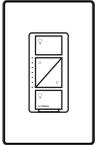
Incandescent/Halogen  
AY-600P-  
AY-10P-  
AY-603P-  
AY-103P-



Incandescent/Halogen  
– eco-dim  
AY-603PG-

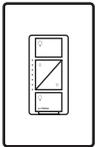
**Caséta Wireless – Connected Home**

Caséta Wireless  
In-wall Dimmers  
p. 144



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen – C•L

PD-6WCL-  
P-PKG1W-WH\*  
P-BDG-PKG1W\*  
P-BDG-PKG2W\*  
P-BDGPRO-PKG1W\*



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen, Magnetic  
Low-Voltage,  
Hi-lume 1% 2-Wire  
LED Driver, Tu-Wire  
Fluorescent Ballast  
– PRO

PD-10NXD-



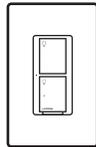
Dimmable LED  
(screw-base),  
Incandescent/  
Halogen, Magnetic  
Low-Voltage,  
Electronic Low-  
Voltage, Hi-lume 1%  
2-Wire LED Driver,  
Tu-Wire Fluorescent  
Ballast – ELV+

PD-5NE-

Caséta Wireless  
In-wall Electronic  
Switches p. 144

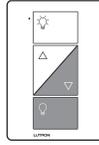


Switch  
PD-6ANS-



Switch – PRO  
PD-5WS-DV-

Caséta Wireless  
Plug-in Lamp  
Dimmers p. 154



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen – C•L

PD-3PCL-  
P-PKG1P-WH\*  
P-BDG-PKG1P\*  
P-BDG-PKG2P\*

Lutron Smart Bridges  
p. 156

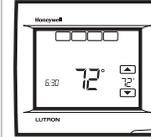


Smart Bridge  
L-BDG2-WH



Smart Bridge PRO  
L-BDGPRO2-WH  
P-BDGPRO-PKG3AW\*

Lutron Wireless  
Thermostat  
p. 158

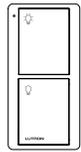


Thermostat  
L-HWLV2-WIFI

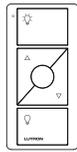
\* “PKG” models are kits

**Caséta Wireless – Connected Home** (continued)

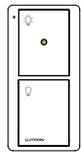
Pico Wireless Remotes  
p. 184



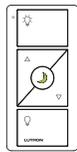
2-button  
PJ2-2B-



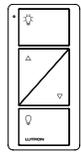
3-button  
with Raise/Lower  
PJ2-3BRL-  
PJ2-WALL-WH-L01\*



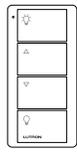
2-button  
with Nightlight  
PJN-2B-



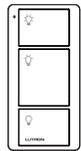
3-button  
with Raise/Lower  
and Nightlight  
PJN-3BRL-



2-button  
with Raise/Lower  
PJ2-2BRL-



PRO 4-button  
PJ2-4B-



3-button  
PJ2-3B-

Radio Powr Savr  
Wireless Sensors  
pp. 204 and 206



Occupancy/Vacancy  
Sensor  
LRF2-OCR2B-P-WH  
LRF2-VCR2B-P-WH

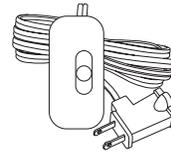


Occupancy/Vacancy  
Sensor  
LRF2-OWLB-P-WH  
LRF2-OKLB-P-WH  
LRF2-OHLB-P-WH  
LRF2-VWLB-P-WH  
LRF2-VKLB-P-WH  
LRF2-VHLB-P-WH

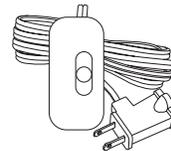
**Credenza Controls** p. 140

Plug-in Lamp Dimmer

Plug-in Lamp Dimmer  
with Locator Light



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen – C-L  
TTCL-100H-



Incandescent/Halogen  
TT-100H-



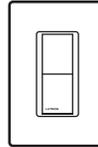
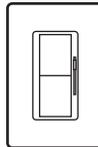
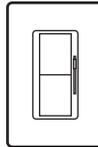
Incandescent/Halogen  
TT-300NLH-



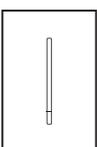
Incandescent/Halogen  
– eco-dim  
TT-300NLGH-

\* “WALL” models are kits

**Diva Controls** p.44

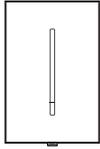
Dimmers			Mechanical Switches		Fan Controls
					
Dimmable LED/CFL (screw-base), Incandescent/Halogen – C-L DVCL-153P- DVWCL-153P-* DVSCCL-153P- DVWSCCL-153P-2*	Incandescent/Halogen DV-600P- DVW-600PH-* DVSC-600P- DV-10P- DVSC-10P- DV-603P- DVW-603PH-* DVSC-603P- DV-103P- DVSC-103P-	Electronic Low-Voltage DVELV-300P- DVSCELV-300P DVELV-303P- DVSCELV-303P-	General Purpose Switch CA-1PS- SC-1PS- CA-3PS- SC-3PS- CA-4PS- SC-4PS-	General Purpose Switch with Locator Light CA-1PSNL- SC-1PSNL- CA-3PSNL- SC-3PSNL- CA-4PSNL- SC-4PSNL-	Quiet 3-speed DVFSQ-F- DVWFSQ-FH-* DVSCFSQ-F- DVFSQ-F-HO-
					
Dimmable LED/CFL (screw-base), Incandescent/Halogen, Hi-lume 1% 2-wire LED Driver – C-L DVCL-253P- DVSCCL-253P-	Incandescent/Halogen – eco-dim DV-603PG- DVW-603PGH-*	3-wire Fluorescent Ballast/LED Driver DVF-103P- DVSCF-103P- DVF-103P-277- DVSCF-103P-277			
					
Dimmable LED/CFL (screw-base), Incandescent/Halogen, Electronic Low-Voltage – Reverse-phase DVRP-253P- DVSCR-253P-	Magnetic Low-Voltage DVLV-600P- DVSCLV-600P- DVLV-10P- DVSCLV-10P- DVLV-603P- DVSCLV-603P- DVLV-103P- DVSCLV-103P-	0-10V Fluorescent/LED Fixture DVSTV- DVSCSTV- DVTV- DVSCTV-			
					
		Tu-Wire Fluorescent Ballast DVFTU-5A3P- DVSCFTU-5A3P-			

\* "W" models include wallplate

<p><b>Diva Controls</b> (continued) p. 44 Fan/Light Controls (Two Loads)</p>	<p><b>GRAFIK T</b></p>			
 <p>Quiet 3-speed and Switch DVFSQ-LF- DVSCFSQ-LF-</p>	<p>GRAFIK T Touch Dimmers p. 94</p>	<p>GRAFIK T RF Touch Dimmers p. 94</p>	<p>GRAFIK T Touch Electronic Switch p. 94</p>	<p>GRAFIK T RF Touch Electronic Switch p. 94</p>
	 <p>Dimmable LED (screw-base), Incandescent/Halogen – C-L GT-150-WH</p>	 <p>Dimmable LED (screw-base), Incandescent/Halogen – C-L GTJ-150-WH</p>	 <p>Switch GT-5ANSM-WH</p>	 <p>Switch GTJ-5ANSM-WH</p>
	 <p>Dimmable LED (screw-base), Incandescent/Halogen, Magnetic Low-Voltage, Hi-lume 1% 2-wire LED Driver, Tu-Wire Fluorescent Ballast – C-L GT-250M-WH</p>	 <p>Dimmable LED (screw-base), Incandescent/Halogen, Magnetic Low-Voltage, Hi-lume 1% 2-wire LED Driver, Tu-Wire Fluorescent Ballast – C-L GTJ-250M-WH</p>		
	 <p>Dimmable LED (screw-base), Incandescent/Halogen, Magnetic Low-Voltage, Electronic Low-Voltage, Hi-lume 1% 2-wire LED Driver, Tu-Wire Fluorescent Ballast–Phase-selectable GT-5NEM-WH</p>	 <p>Dimmable LED (screw-base), Incandescent/Halogen, Magnetic Low-Voltage, Electronic Low-Voltage, Hi-lume 1% 2-wire LED Driver, Tu-Wire Fluorescent Ballast–Phase-selectable GTJ-5NEM-WH</p>		

**GRAFIK T** (continued)

GRAFIK T Companion Control p.94



Companion Device  
GT-AD-WH

Radio Powr Savr Wireless Sensors pp. 204, 206 and 208



Occupancy/Vacancy Sensors

LRF2-OCR2B-P-WH  
LRF2-VCR2B-P-WH



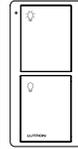
Occupancy/Vacancy Sensors

LRF2-OWLB-P-WH  
LRF2-OKLB-P-WH  
LRF2-OHLB-P-WH  
LRF2-VWLB-P-WH  
LRF2-VKLB-P-WH  
LRF2-VHLB-P-WH

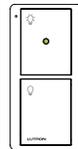


Daylight Sensor  
LRF2-DCRB-WH

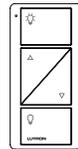
Pico Wireless Remotes p. 184



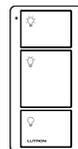
2-button  
PJ2-2B-



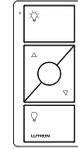
2-button with Nightlight  
PJN-2B-



2-button with Raise/Lower  
PJ2-2BRL-



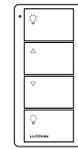
Pico 3-button  
PJ2-3B-



3-button with Raise/Lower  
PJ2-3BRL-



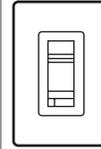
3-button with Raise/Lower and Nightlight  
PJN-3BRL-



4-button  
PJ2-4B-

**Luméa Controls**  
p. 74

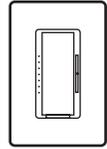
Dimmer with On/Off Switch



Dimmable LED/CFL (screw-base), Incandescent/Halogen, – C-L  
LECL-153P-

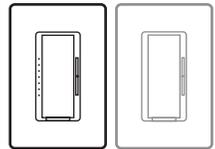
**Maestro Controls** p.16

Digital Fade Dimmers



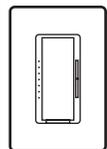
Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen –  
C-L

MACL-153M-  
MACL-153M-RHW\*\*



Incandescent/Halogen

MA-600-  
MAW-600H-WH\*  
MAW-600H-BLSS\*  
MAW-603-RH-WH\*\*  
MSC-600M-  
MA-1000-  
MSC-1000M-



Incandescent/Halogen  
– eco-dim

MA-600G-



Magnetic Low-Voltage

MALV-600-  
MSCLV-600M-  
MALV-1000-  
MSCLV-1000M-



Electronic Low-Voltage

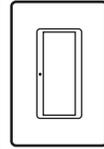
MAELV-600-  
MSCELV-600M-



3-wire Fluorescent  
Ballast/LED Driver

MAF-6AM-  
MSCF-6AM-  
MAF-6AM-277-  
MSCF-6AM-277-

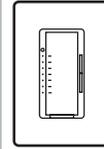
Electronic Switches



Switch

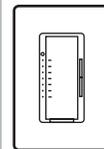
MA-S8AM-  
MSC-S8AM-  
MAF-S6AM-277-  
MSCF-S6AM-277-

Countdown Timer  
Switches



Timers

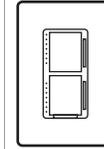
MA-T51-  
MA-T51MN-  
MA-T51HW-WH\*



Timer – eco-timer

MA-T530G-  
MA-T530GHW-WH\*

Dual Digital Fade  
Dimmer (Two Loads)



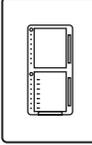
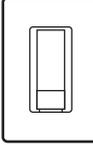
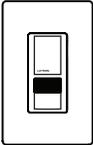
Incandescent/Halogen  
and Incandescent/  
Halogen

MA-L3L3-  
MA-L3L3HW-WH\*

\* “W” models include wallplate

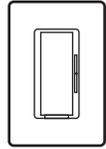
\*\* “RH” models include companion dimmer  
and wallplates

**Maestro Controls** (continued) p. 16

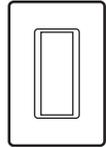
Dual Digital Fade Dimmer/Electronic Switch (Two Loads)	Dual Digital Fade Dimmer/Countdown Timer Control Switch (Two Loads)	Dimmer Sensors	Single-Circuit Sensor Switches	Dual-Circuit Sensor Switches (Two Loads)
 <p>Incandescent/Halogen Dimmer and Switch MA-L3S25- MA-L3S25HW-WH*</p>	 <p>Incandescent/Halogen and Timer MA-L3T251- MA-L3T251HW-WH*</p>	 <p>Dimmable LED/ CFL (screw-base), Incandescent/ Halogen – C-L MSCL-OP153M- MSCL-VP153M-</p>  <p>0–10V Fluorescent/ LED Fixture MS-Z101- MS-Z101-V-</p>	 <p>Switch with Passive-Infrared Sensor MS-OPS2- MS-OPS5M- MS-OPS6M2-DV- MS-OPS6M2N-DV- MS-OPS6M2U-DV- MS-VPS2- MS-VPS5M- MS-VPS6M2-DV- MS-VPS6M2N-DV- MS-VPS6M2U-DV-</p>  <p>Switch with Dual-Technology Sensor MS-A102- MS-B102- MS-A102-V- MS-B102-V</p>	 <p>Switches with Passive-Infrared Sensor MS-OPS6-DDV- MS-PPS6-DDV-</p>  <p>Switches with Dual-Technology Sensor MS-A202- MS-B202-</p>

\* “W” models include wallplate

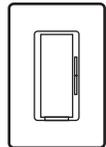
**Maestro Controls**  
(continued) p. 16  
Companion Controls



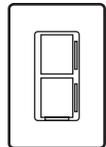
Companion Dimmer  
MA-R-  
MSC-AD-  
MA-R-277-  
MSC-AD-277-



Companion Switch  
MA-AS-  
MSC-AS-  
MA-AS-277-  
MSC-AS-277-



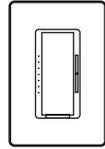
Companion Fan Control  
MA-AFQ4-



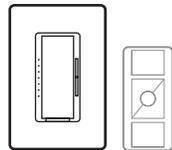
Companion Fan/  
Light Control  
MA-ALFQ35-

**Maestro Wireless**

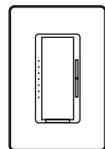
Maestro Wireless Digital Fade Dimmers  
p. 32



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen –  
C-L  
MRF2-6CL-



Incandescent/Halogen  
MRF2-600M-  
MRF2-600MHW-\*  
MRF2-600MTHW-WH\*\*



Incandescent/Halogen,  
Magnetic Low-Voltage  
MRF2-6MLV-  
MRF2-10D-120-



Incandescent/  
Halogen, Magnetic  
Low-Voltage,  
Hi-lume 1% 2-wire  
LED Driver, Tu-Wire  
Fluorescent Ballast  
MRF2-6ND-120-

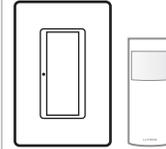


Electronic Low-  
Voltage  
MRF2-6ELV-120-



3-wire Fluorescent  
Ballast/LED Driver  
MRF2-F6AN-DV-

Maestro Wireless  
Electronic Switches  
p. 32

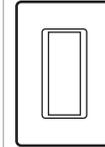


Switch  
MRF2-6ANS-  
MRF2-8ANS-120-  
MRF2-8S-DV-  
MRF2-1S8A-10C†  
MRF2-1S8A-10W†  
MRF2-1S8A-10K†  
MRF2-1S8A-10H†  
MRF2-1S8A-1VC†  
MRF2-2S8A-10W†

Maestro Wireless  
Companion Controls  
p. 32



Companion Dimmer  
MA-R-  
MSC-AD-  
MA-R-277-  
MSC-AD-277-

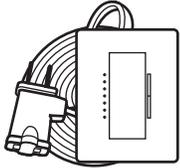


Companion Switch  
MA-AS-  
MSC-AS-  
MA-AS-277-  
MSC-AS-277-

\* “HW” models include wallplate  
\*\* “THW” models include Pico wireless remote and wallplate  
† “S8A” models include Radio Powr Savr occupancy/vacancy sensor and wallplate

**Maestro Wireless** (continued)

Maestro Wireless  
Plug-in Lamp Dimmer  
p. 136

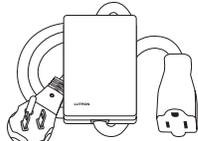


Plug-in Wireless  
Tabletop Lamp Dimmer  
MRF2-3LD

PowPak Plug-in  
Modules p. 138

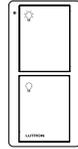


Dimming Module  
MRF2-3PD-1-  
MRF2-3PD-3-

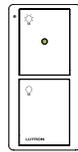


Appliance Module  
MRF2-15APS-1-  
MRF2-15APS-3-

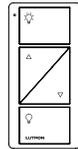
Pico Wireless Remotes p. 184



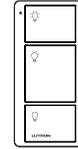
2-button  
PJ2-2B-



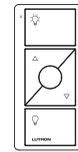
2-button  
with Nightlight  
PJN-2B-



2-button  
with Raise/Lower  
PJ2-2BRL-



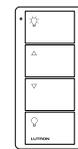
3-button  
PJ2-3B-



3-button  
with Raise/Lower  
PJ2-3BRL-



3-button  
with Raise/Lower  
and Nightlight  
PJN-3BRL-



4-button  
PJ2-4B-

Radio Powr Savr  
Wireless Sensors  
pp. 204, 206 and 208



Occupancy/Vacancy  
Sensor

LRF2-OCR2B-P-WH  
LRF2-VCR2B-P-WH



Occupancy/Vacancy  
Sensor

LRF2-OWL-P-WH  
LRF2-OKL-P-WH  
LRF2-OHL-P-WH  
LRF2-VWL-P-WH  
LRF2-VKL-P-WH  
LRF2-VHL-P-WH

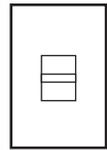


Daylight Sensor

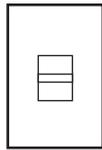
LRF2-DCRB-WH

**Nova Controls** p. 122

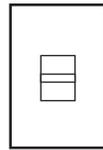
Slide-to-Off Dimmers



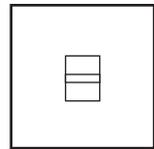
Incandescent/Halogen  
N-600-  
N-1000-



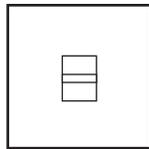
3-wire Fluorescent  
Ballast/LED Driver  
NF-10-



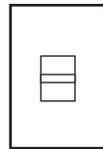
Tu-Wire Fluorescent  
Ballast  
NFTU-5A-



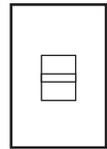
Incandescent/Halogen  
N-1500-  
N-2000-



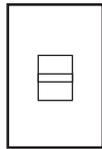
3-wire Fluorescent  
Ballast/LED Driver  
NF-10-277-



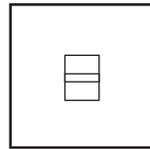
Magnetic Fluorescent  
Ballast  
NF-10-



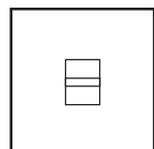
Magnetic Low-Voltage,  
Neon/Cold Cathode  
NLV-600-



0-10 V Fluorescent/  
LED Fixture  
NFTV-

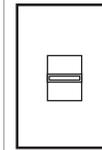


Magnetic Fluorescent  
Ballast  
NF-20-  
NF-30-  
NF-10-277-  
NF-20-277-

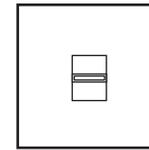


Magnetic Low-Voltage  
Neon/Cold Cathode  
NLV-1000-  
NLV-1500-

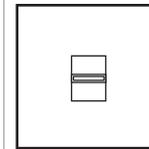
Preset Dimmers



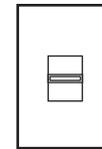
Incandescent/Halogen  
N-603P-  
N-1003P-



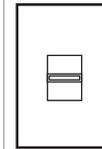
Magnetic Low-Voltage  
NLV-1503P-  
NLV-2003P-



Incandescent/Halogen  
N-1503P-  
N-2003P-



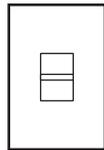
3-wire Fluorescent  
Ballast/LED Driver  
NF-103P-  
NF-103P-277-



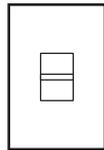
Magnetic Low-Voltage  
NLV-603P-  
NLV-1003P-

**Nova T☆ Controls** p.110

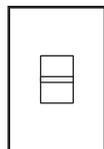
Slide-to-Off Dimmers



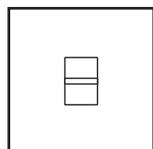
Dimmable LED/  
CFL (screw-base),  
Incandescent/Halogen,  
Hi-lume 1% 2-wire  
LED Driver – C-L  
NTCL-250-



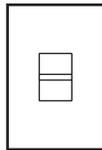
Dimmable LED/  
CFL (screw-base),  
Incandescent/Halogen,  
Electronic  
Low-Voltage –  
Reverse-phase  
NTRP-250-



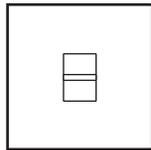
Incandescent/Halogen  
NT-600-  
NT-1000-



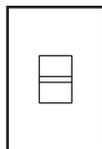
Incandescent/Halogen  
NT-1500-  
NT-2000-



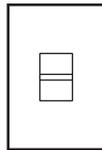
Magnetic Low-Voltage  
NTLV-600-  
NTLV-1000-  
NTLV-600-277-  
NTLV-1000-277-



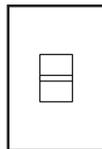
Magnetic Low-Voltage  
NTLV-1500-



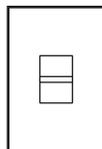
Electronic Low-Voltage  
NTELV-300-  
NTELV-600-



3-wire Fluorescent  
Ballast/Driver  
NTF-10-  
NTF-10-277-

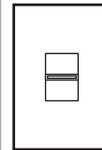


0–10V Fluorescent/  
LED Fixture  
NTSTV-DV-

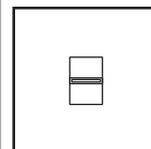


Tu-Wire Fluorescent  
Ballast  
NTFTU-5A-  
NTFTU-5A-277-

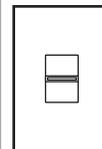
Preset Dimmers



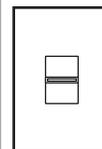
Incandescent/Halogen  
NT-603P-  
NT-1003P-



Incandescent/Halogen  
NT-1503P-

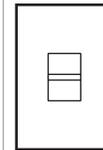


Magnetic Low-Voltage  
NTLV-603P-  
NTLV-1003P-



3-wire Fluorescent  
Ballast/LED Driver  
NTF-103P-  
NTF-103P-277-

Linear-slide  
Mechanical Switches



Switch  
NT-1PS-  
NT-3PS-  
NT-4PS-

**Nova T☆ Controls**

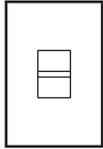
(continued) p. 110

Slide-to-Off Fan Controls

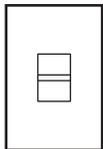
**Pico Wireless Remotes** p. 184

Wireless Remotes

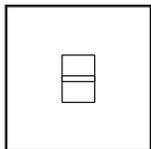
Accessories



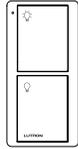
Quiet 3-speed  
NTFSQ-



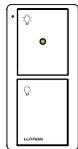
Fully Variable  
NTFS-6E-



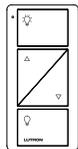
Fully Variable  
NTFS-12E



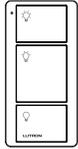
2-button  
PJ2-2B-



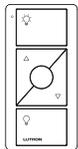
2-button with  
Nightlight  
PJN-2B-



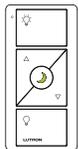
2-button with  
Raise/Lower  
PJ2-2BRL-



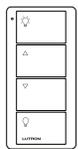
3-button  
PJ2-3B-



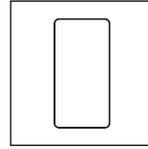
3-button with  
Raise/Lower  
PJ2-3BRL-



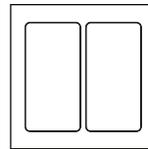
3-button with  
Raise/Lower and  
Nightlight  
PJN-3BRL-



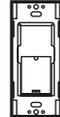
4-button  
PJ2-4B-



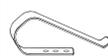
Single Pico Wallplate  
LPFP-S1-



Double Pico Wallplate  
LPFP-S2-



Wallbox Adapter  
PICO-WBX-ADAPT



Car Visor Clip  
PICO-CAR-CLIP



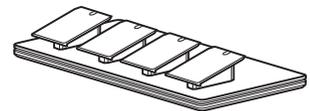
Single Tabletop Pedestal  
L-PED1-



Dual Tabletop Pedestal  
L-PED2-



Triple Tabletop Pedestal  
L-PED3-



Quad Tabletop Pedestal  
L-PED4-

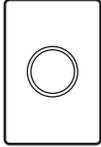
**Rotary Controls** p.88

Dimmer with Rotate On/Off Knob

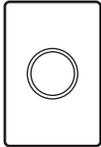


Incandescent/Halogen  
D-600R-  
D-600RH-DK\*

Dimmers with Push On/Off Knob

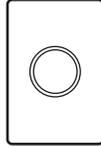


Incandescent/Halogen  
D-600P-  
D-600PH-DK\*  
D-603P-  
D-603PH-DK\*



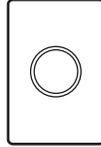
Incandescent/Halogen  
– eco-dim  
D-603PG-  
D-603PG-DK\*

Dimmers with Push On/Off Knob and Locator Light

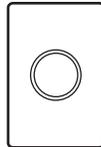


Incandescent/Halogen  
DNG-600P-  
DNG-600PH-DK\*  
DNG-603P-  
DNG-603PH-DK\*

Fan Controls with Rotate On/Off Knob



Fully Variable  
FS-5F-  
FS-5E-



Quiet 3-speed  
FSQ-2F-

\* “DK” models include two knobs for finish options

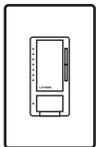
**Sensors**

Maestro Wallbox Occupancy/Vacancy Sensors p. 194

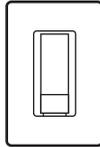
Radio Powr Savr Wireless Occupancy/Vacancy Sensors pp. 204 and 206



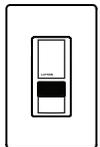
Dimmer Sensor  
Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen, –  
C-L  
MSCL-OP153M-  
MSCL-VP153M-



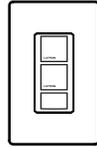
Dimmer Sensor  
0-10 V Fluorescent/  
LED Fixture  
MS-Z101-  
MS-Z101-V



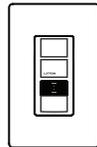
Single-Circuit Sensor  
Switches with Passive-  
Infrared Sensor  
MS-OPS2-  
MS-OPS5M-  
MS-OPS6M2-DV-  
MS-OPS6M2N-DV-  
MS-OPS6M2U-DV-  
MS-VPS2-  
MS-VPS5M-  
MS-VPS6M2-DV-  
MS-VPS6M2N-DV-  
MS-VPS6M2U-DV-



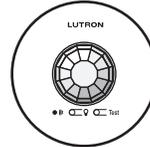
Single-Circuit Sensor  
Switches with Dual-  
Technology Sensor  
MS-A102-  
MS-B102-  
MS-A102-V-  
MS-B102-V



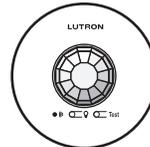
Dual-Circuit Sensor  
Switches with Passive-  
Infrared Sensor  
(Two Loads)  
MS-OPS6-DDV-  
MS-PPS6-DDV



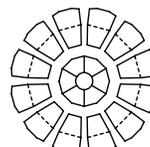
Dual-Circuit Sensor  
Switches with Dual-  
Technology Sensor  
(Two Loads)  
MS-A202-  
MS-B202-



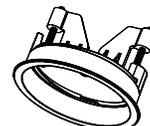
Ceiling mount,  
Occupancy/Vacancy  
LRF2-OCR2B-P-WH



Ceiling mount,  
Vacancy  
LRF2-VCR2B-P-WH



Accessory Kit  
L-CMDPIRKIT



Recess-mounting  
Bracket  
L-CRMK-WH



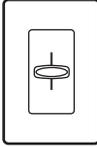
Wall mount,  
Occupancy/Vacancy  
LRF2-OWLB-P-WH  
LRF2-OKLB-P-WH  
LRF2-OHLB-P-WH



Wall mount, Vacancy  
LRF2-VWLB-P-WH  
LRF2-VKLB-P-WH  
LRF2-VHLB-P-WH

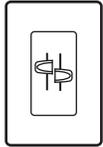


Flexible Mounting  
Armature  
LRF-ARM-WH

Sensors (continued)	Skylark Controls p.62			
Radio Powr Savr Wireless Daylight Sensor p.208	Dimmers with On/Off Switch		Slide-to-Off Dimmers	Dimmers with On/Off Switch and Locator Light
 Ceiling mount LRF2-DCRB-WH	 Dimmable LED/ CFL (screw-base), Incandescent/ Halogen – C-L SCL-153P-	 Magnetic Low-Voltage SLV-600P- SLV-603P-	 Incandescent/Halogen S-600- S-1000-	 Incandescent/Halogen S-600PNL- S-10PNL- S-603PNL- S103PNL-
	 Incandescent/Halogen S-600P- S-10P- S-603P- S-103P-	 Electronic Low-Voltage SELV-300P- SELV-303P-		
	 Incandescent/Halogen eco-dim S-603PG-	 3-wire Fluorescent Ballast/ LED Driver SF-10P- SF-12P-277- SF-103P- SF-12P-277-3-		
		 Tu-Wire Fluorescent Ballast SFTU-5A3P-		

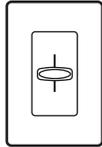
**Skylark Controls** (continued) p.62

Dual Slide-to-Off Dimmer  
(Two Loads)

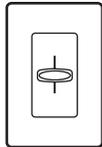


Incandescent/Halogen  
and Incandescent/  
Halogen  
S2-L-

Slide-to-Off Fan Controls

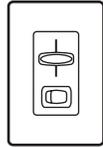


Quiet 3-speed  
SFSQ-F-  
SFSQ-F-HO-



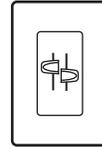
Fully Variable  
SFS-5E-

Slide-to-Off Fan/Light  
Control with On/Off  
Switch (Two Loads)

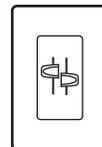


Quiet 3-speed  
and Switch  
SFSQ-LF-

Dual Slide-to-Off Fan/  
Light Control (Two Loads)



Quiet 3-speed and  
Incandescent/Halogen  
Dimmer  
S2-LFSQ-



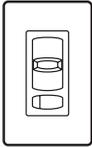
Fully Variable and  
Incandescent/Halogen  
Dimmer  
S2-LF-

**Skylark Contour Controls** p. 56

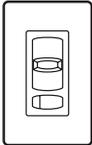
Dimmers with On/Off Switch

Slide-to-off Dimmer

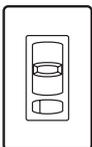
Fan Control



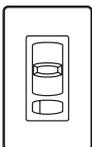
Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen – C-L  
CTCL-153P-



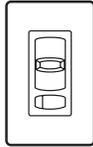
Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen, Electronic  
Low-Voltage –  
Reverse-phase  
CTRP-253-



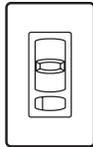
Incandescent/Halogen  
CT-600P-  
CT-603P-



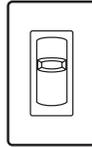
Incandescent/Halogen –  
eco-dim  
CT-603PG-



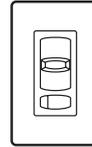
Incandescent/Halogen,  
Magnetic Low-Voltage  
CT-103P-



Electronic Low-Voltage  
CTELV-303P-



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen –  
C-L  
CTCL-150H-



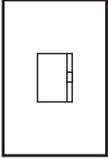
Quiet 3-speed  
CTFSQ-F-

**Vareo Controls** p.104

Preset Dimmers

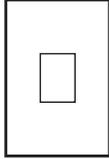
Electronic Tapswitch

Companion Control

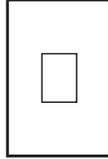


Incandescent/Halogen,  
Magnetic Low-Voltage

V-600-  
V-1000-



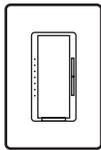
General Purpose  
VETS-1000-



Auxiliary Tapswitch  
VETS-R-

**Vive – Commercial Wireless**

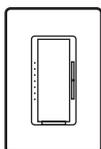
Vive Maestro Wireless  
Digital Fade Wireless  
Dimmers  
p. 164



Dimmable LED/  
CFL (screw-base),  
Incandescent/  
Halogen –  
C-L  
MRF2S-6CL-

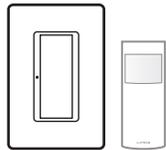


Incandescent/Halogen,  
Magnetic Low-Voltage,  
Hi-lume 1% 2-wire  
LED Driver, Tu-Wire  
Fluorescent Ballast  
MRF2S-6ND-120-



Electronic Low-Voltage  
MRF2S-6ELV120-

Vive Maestro  
Wireless Wireless  
Electronic Switches  
p. 164

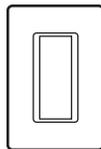


Switch  
MRF2S-6ANS-  
MRF2S-8ANS-120-  
MRF2S-8S-DV-  
MRF2S-1S8A-10C\*  
MRF2S-1S8A-10W\*  
MRF2S-1S8A-10K\*  
MRF2S-1S8A-10H\*  
MRF2S-1S8A-1VC\*  
MRF2S-2S8A-10W\*

Vive Maestro Wireless  
Companion Controls  
p. 164

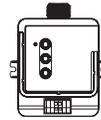


Companion Dimmer  
MA-R-  
MSC-AD-  
MA-R-277-  
MSC-AD-277-



Companion Switch  
MA-AS-  
MSC-AS-  
MA-AS-277-  
MSC-AS-277-

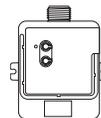
Vive PowPak  
Remote-mount  
Modules p. 174



0–10 V Fluorescent/  
LED Fixture  
Dimming Module  
RMJS-8T-DV-B

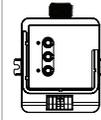


Contact Closure  
Module  
RMJ-CC01-24-B

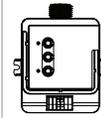


Switching Module  
RMJS-5R-DV-B  
RMJS-5R-CC01-DV-B  
RMJS-16R-DV-B  
RMJS-16RCC01-DV-B  
RMJS-20R-DV-B  
RMJS-20RCC01-DV-B

Vive PowPak Wireless  
Fixture Control  
Modules p. 178



EcoSystem Fluorescent  
Ballast/LED Driver  
Fixture Control Module  
FCJS-ECO



0-10 V Fluorescent/  
LED Fixture  
Control Module  
FCJS-010

\* “S8A” models include Radio Powr Savr occupancy/vacancy sensor and wallplate

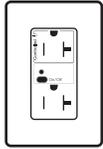
**Vive – Commercial Wireless** (continued)

Vive Wireless  
Receptacles p. 180

PowPak Fixture Sensor  
p. 182

Pico Wireless Remotes p. 184

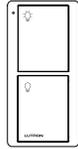
Radio Powr Savr  
Wireless Sensors  
pp. 204, 206 and 208



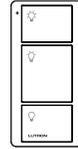
Split Receptacle  
CAR2S-15-STR  
CAR2S-20-STR



Fixture Sensor  
FC-SENSOR  
FC-VSENSOR



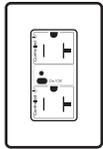
2-button  
PJ2-2B-



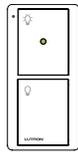
3-button  
PJ2-3B-



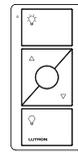
Occupancy/Vacancy  
Sensor



Duplex Receptacle  
CAR2S-15-DTR  
CAR2S-20-DTR



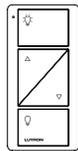
2-button  
with Nightlight  
PJN-2B-



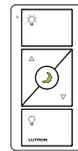
3-button  
with Raise/Lower  
PJ2-3BRL-



Occupancy/Vacancy  
Sensor



2-button  
with Raise/Lower  
PJ2-2BRL-

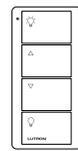


3-button  
with Raise/Lower  
and Nightlight  
PJN-3BRL-

Occupancy/Vacancy  
Sensor  
LRF2-OWLB-P-WH  
LRF2-OKLB-P-WH  
LRF2-OHLB-P-WH  
LRF2-VWLB-P-WH  
LRF2-VKLB-P-WH  
LRF2-VHLB-P-WH



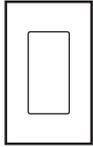
Daylight Sensor  
LRF2-DCRB-WH



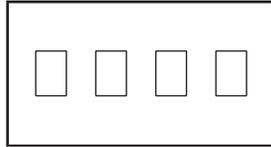
4-button  
PJ2-4B-

**Architectural Wallplates & Accessories** p.238

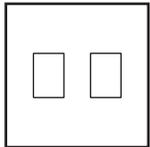
Wallplates



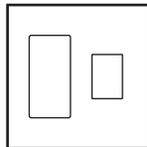
1-gang, for One  
Accessory  
LFGR-1-



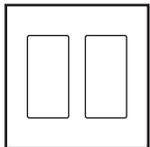
4-gang, for Four  
Dimmers or Switches  
VWP-4-



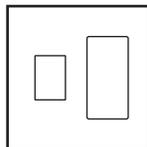
2-gang, for Two  
Dimmers or Switches  
VWP-2-



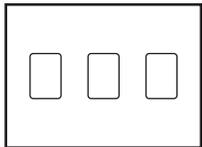
2-gang, for One  
Dimmer or Switch  
and One Accessory  
VWP-2CR-



2-gang, for Two  
Accessories  
VWP-2R-  
LFGR-2-

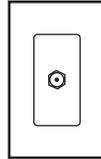


2-gang, for One  
Accessory and One  
Dimmer or Switch  
VWP-2RC-

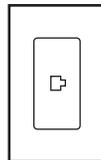


3-gang, for Three  
Dimmers or Switches  
VWP-3-

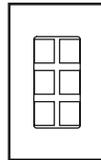
Accessories



Cable Jack  
NT-CJ-



Telephone Jack  
NT-PJ-



Field Customizable  
6-port Frame  
NT-6PF-



Phone Jack Connector  
(8-Conductor, RJ45,  
Category 5E)  
CON-1P-C5E-



Phone Jack Connector  
(8-Conductor, RJ45,  
Category 6)  
CON-1P-C36



Fiber Jack Connector  
(MT-RJ Feed Through)  
CON-1F-MTRJ-WH



Fiber Jack Connector  
(SC Simplex)  
CON-1F-SC-WH



Fiber Jack Connector  
(LC Non-flush Mount)  
CON-1F-LC-WH



Fiber Jack Connector  
(ST-style)  
CON-1F-ST-WH



Cable Jack Connector  
(F-style, 75-Ohm  
Coaxial Cable)  
CON-1C-

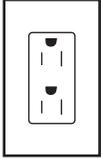


BNC Jack Connector  
(50-Ohm)  
CON-1B-WH

**Architectural Wallplates & Accessories**

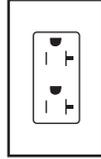
(continued ) p.238

Accessories (continued)



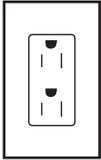
Receptacle

NTR-15-  
NTR-20-



Isolated Ground  
Receptacle

NTR-15-IG-OR-  
NTR-20-IG-OR-



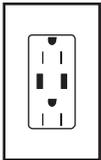
Tamper-resistant  
Receptacle

NTR-15-TR-  
NTR-20-TR-



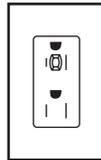
Dual Dimming,  
Tamper-resistant  
Receptacle

NTR-15-DDTR-  
NTR-20-DDTR-



Tamper-resistant  
USB Receptacles

NTR-15-UBTR-



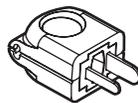
Half Dimming,  
Tamper-resistant  
Receptacle

NTR-15-HDTR-  
NTR-20-HDTR-



Tamper-resistant,  
Self-testing GFCI  
Receptacle

NTR-15-GFST-  
NTR-20-GFST-

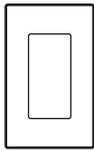


Replacement  
Dimming Plug

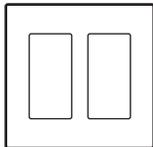
RP-FDU-10-

**Designer | Claro and Satin Colors Wallplates & Accessories** p.220

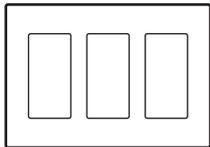
Wallplates



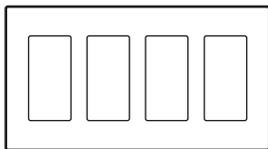
1-gang  
CW-1-  
SC-1-



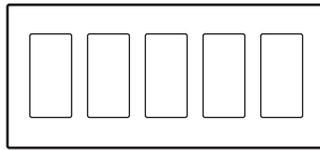
2-gang  
CW-2-  
SC-2-



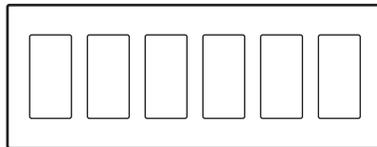
3-gang  
CW-3-  
SC-3-



4-gang  
CW-4-  
SC-4-



5-gang  
CW-5-  
SC-5-



6-gang  
CW-6-  
SC-6-

Accessories



Phone Jack Connector  
(8-Conductor, RJ45,  
Category 5E)  
CON-1P-C5E-



Phone Jack Connector  
(8-Conductor, RJ45,  
Category 6)  
CON-1P-C36



Fiber Jack Connector  
(MT-RJ Feed Through)  
CON-1F-MTRJ-WH



Fiber Jack Connector  
(SC Simplex)  
CON-1F-SC-WH



Fiber Jack Connector  
(LC Non-flush Mount)  
CON-1F-LC-WH



Fiber Jack Connector  
(ST-style)  
CON-1F-ST-WH



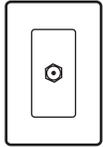
Cable Jack Connector  
(F-style, 75-Ohm  
Coaxial Cable)  
CON-1C-



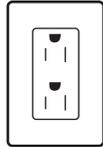
BNC Jack Connector  
(50-Ohm)  
CON-1B-WH

**Designer | Claro and Satin Colors Wallplates & Accessories** (continued) p.220

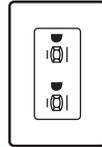
Accessories (continued)



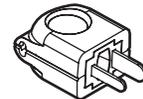
Cable Jack  
CA-CJ-  
SC-CJ-



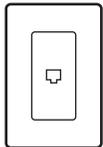
Receptacle  
CAR-15-  
SCR-15-  
NCR-20-



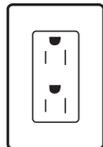
Dual Dimming, Tamper-resistant Receptacle  
CAR-15-DDTR-  
SCR-15-DDTR-  
CAR-20-DDTR-  
SCR-20-DDTR-



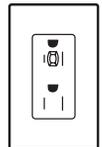
Replacement Dimming Plug  
RP-FDU-10-



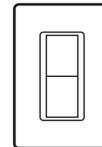
Telephone Jack  
CA-PJ-  
SC-PJ-



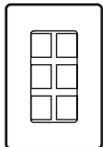
Tamper-resistant Receptacle  
CARS-15-TR-  
SCRS-15-TR-  
SCRS-20-TR-



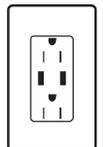
Half Dimming, Tamper-resistant Receptacle  
CAR-15-HDTR-  
SCR-15-HDTR-  
CAR-20-HDTR-  
SCR-20-HDTR-



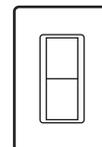
General Purpose Switch  
CA-1PS-  
SC-1PS-  
CA-3PS-  
SC-3PS-  
CA-4PS-  
SC-4PS-



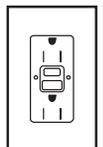
Field Customizable 6-port Frame  
CA-6PF-  
SC-6PF-



Tamper-resistant USB Receptacle  
CAR-15-UBTR-  
SCR-15-UBTR-



General Purpose Switch with Locator Light  
CA-1PSNL-  
SC-1PSNL-  
CA-3PSNL-  
SC-3PSNL-  
CA-4PSNL-  
SC-4PSNL-

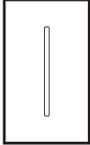


Tamper-resistant, Self-testing GFCI Receptacle  
CAR-15-GFST-  
SCR-15-GFST-  
SCR-20-GFST-

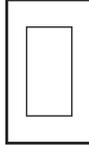
**New Architectural Wallplates & Accessories** p.232

Wallplates

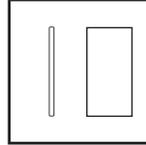
Accessories



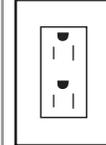
1-gang, for One Dimmer or Switch  
LWT-G-



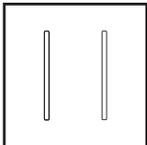
1-gang, for One Accessory  
LWT-U-P-



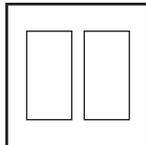
2-gang, for One Dimmer or Switch and One Accessory  
LWT-GT-



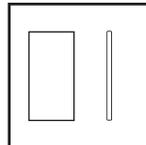
Tamper-resistant Receptacle  
LTR-F15-TR-  
LTR-F20-TR  
LTR-15-TR-  
LTR-20-TR-



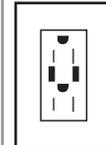
2-gang, for Two Dimmers or Switches  
LWT-GG-



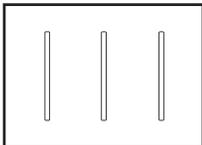
2-gang, for Two Accessories  
LWT-U-PP-



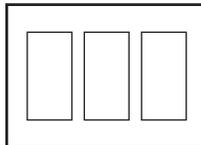
2-gang, for One Accessory and One Dimmer or Switch  
LWT-TG-



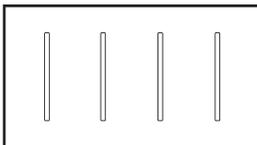
Tamper-resistant USB Receptacle  
LTR-15-UBTR-  
LTR-15-UBTR-



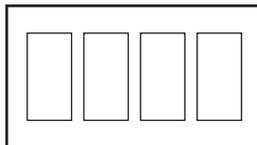
3-gang, for Three Dimmers or Switches  
LWT-GGG-



3-gang, for Three Accessories  
LWT-U-PPP-



4-gang, for Four Dimmers or Switches  
LWT-GGGG-

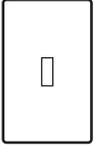


4-gang, for Four Accessories  
LWT-U-PPPP-

**Traditional | Fassada Wallplates** p.228

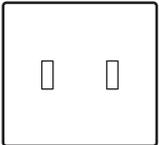
Wallplates

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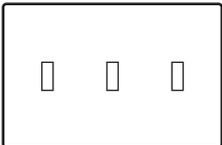
1-gang

FG-1-  
FW-1-SS



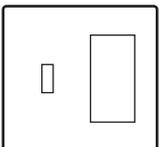
2-gang

FG-2-  
FW-2-SS



3-gang

FG-3-  
FW-3-SS



2-gang, One for Traditional  
Opening and One for  
Designer Opening

FG-2-TD-

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Lutron is a company built on a belief in taking care of the people: customers, employees, and the community. We innovate in advance of emerging market needs and continually improve our quality, our delivery, and our value.

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