

Volume 1: Basic devices and single-space systems

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

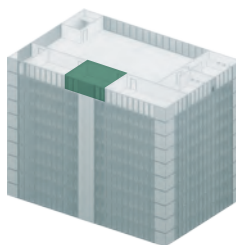


Volume 1 (367-1746)

Basic devices and single-space systems

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

Commercial



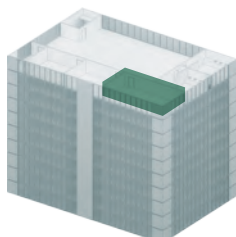
Residential



Volume 2 (367-2066)

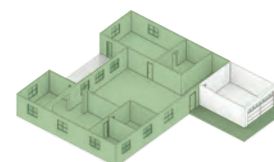
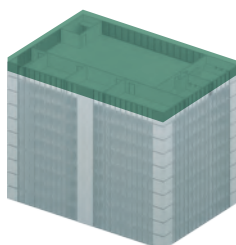
Solutions for small/medium rooms

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



Solutions for large/multiple rooms

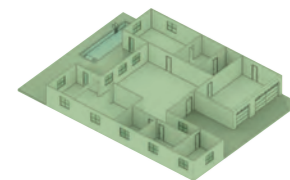
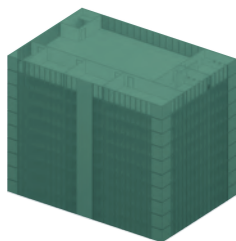
- Expand control to larger spaces and across multiple rooms—even an entire floor
- Wireless components and digital devices provide for easy reconfiguration without re-wiring



Volume 3 (367-2102)

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

- 02 ■ New energy-saving products
 - 04 ■ Energy-saving strategies
 - 05 ■ Select by number of control locations
 - 06 ■ Select by load type
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-

New Architectural wallplate opening controls

- 14 ■ GRAFIK T™

Architectural wallplate opening controls

- 24 ■ Vareo®
- 30 ■ Nova T☆®
- 42 ■ Nova®
- 52 ■ Centurion®

Designer wallplate opening controls

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- 76 ■ Maestro IR®
- 86 ■ Diva®
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- 102 ■ Skylark®

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Commercial Wireless

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-

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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.



p. 14

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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Connected Home—Caséta® Wireless

Caséta Wireless smart lighting 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.)

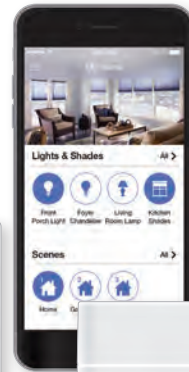
System installation and setup is easy; download the Lutron App for control from mobile devices and wearables.



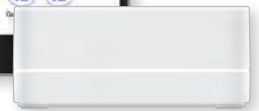
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p. 136 and 178



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Commercial Wireless – Energi TriPak®

This flexible lighting management system consists of wireless load controllers, sensors, remotes, and a hub. A full family of devices, Energi TriPak can cover every space in a building, and provides multiple energy-saving strategies. The PowPak® wireless fixture control module and PowPak fixture sensor allow you to transform any fixture into an intelligent luminaire.



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pp. 174 and 176

Battery-operated shades

Serena® battery-operated, remote controlled shades can be controlled from anywhere in a space using an IR remote or Pico wireless remotes. 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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p. 216

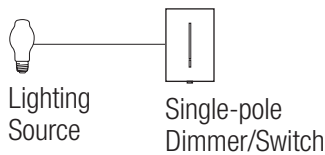
Energy-saving lighting control strategies

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

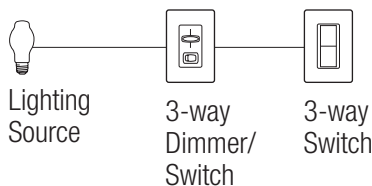
* Go to www.lutron.com/references for more information

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

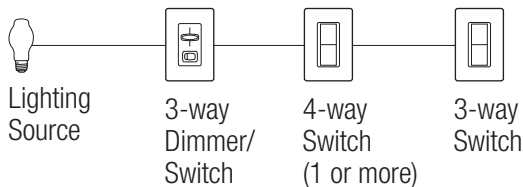
- a. Control lights from one location only**
Single-pole dimmer (switch) required (3-way and multi-location controls may also be used).



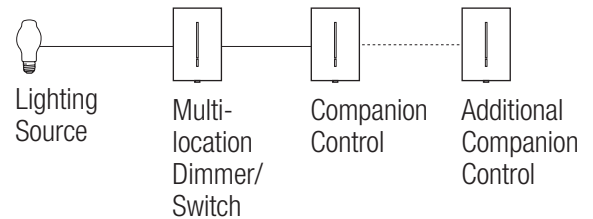
- b. Control lights from two locations**
Dimming (switching) from one location, switching from second location. 3-way control required.



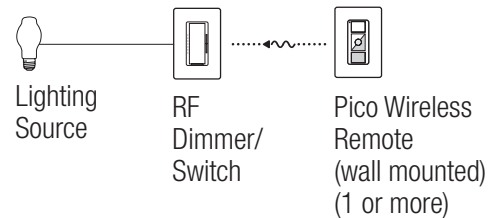
- c. Control lights from three or more locations**
Dimming (switching) from one location, switching from other locations. 3-way control required.



- 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. 8–11.



- 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.8–11.

Incandescent/halogen lighting (INC)

- Excellent color rendering
- Can dim to off
- Total load in Watts (W) determines dimmer choice
- Incandescent/halogen dimmers; C•L®, ELV, or MLV dimmers can also be used

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 www.lutron.com/dimcflled

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 www.lutron.com/dimcflled

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

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

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. 255–259 for more information

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 www.lutron.com/ballasts

For further information on selecting the right lamp type, go to www.lutron.com/bulb.

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% or Premier 0.1% A-Series LED driver and a 3-wire or 250W C•L dimmer for smooth dimming from 100%-1% light output
- Other lamp module/driver combinations can be dimmed with specific, approved Lutron controls
- See www.lutron.com/LED for a list of approved fixtures with Lutron drivers and other approved fixture/control combinations

Fan

- Mechanical, electrically-powered ceiling fan
- No integral lighting
- Control options include 3-speed, 7-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 3-speed, 7-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. 248–254 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. 255–259 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. 255–259 for more details

New Architectural and Architectural style

| | | | | |
|---|--|---|---|---|
|  |  |  |  |  |
| GRAFIK T™ p. 14 M | Vareo® p. 24 | Nova T☆® p. 30 | Nova® p. 42 | Centurion® p. 52 |














| Dimmers | | Voltage | | | | | |
|---|--|----------|---|---|---|---|---|
|  | Incandescent/halogen | 120V | ■ | ■ | ■ | ■ | ■ |
| | eco-dim® incandescent/halogen | 120V | | | | | |
|  | Dimmable CFL/LED (screw-base) | 120V | ■ | | ■ | I | |
|  | Magnetic low-voltage | 120V | ■ | ■ | ■ | ■ | |
| | | 277V | I | | ■ | I | |
|  | Electronic low-voltage | 120V | ■ | | ■ | I | |
| | | 277V | I | | I | I | |
|  | Neon/code cathode | 120V | I | | I | ■ | |
| Dimmers for fluorescent ballasts/LED drivers | | | | | | | |
|  | 3-wire: Drivers - Hi-lume® 1% and Premier 0.1% Ballasts - Hi-lume 3D and EcoSystem™ | 120/277V | I | | ■ | ■ | |
|  | 2-wire: Drivers - Hi-lume 1% | 120V | ■ | | ■ | | |
|  | Ecosystem: Drivers - Hi-lume 1% and 1% with Soft-on, Fade-to-Black, and 5-Series Ballasts - EcoSystem H-Series, Hi-lume 3D and EcoSystem | 120/277V | | | | | |
|  | 2-wire Ballasts: Tu-Wire | 120V | ■ | | ■ | ■ | |
|  | 0–10V DC (fixtures by others) | 120/277V | I | | ■ | ■ | |
| Fan controls | | | | | | | |
|  | Quiet | 120V | | | ■ | | |
|  | Fully variable | 120V | | | ■ | | |
|  | Fan/light | 120V | | | | | |
| Switches/timers | | | | | | | |
| | Electronic switch | 120V | ■ | ■ | | | |
| | | 277V | I | | | | |
| | Mechanical switch | 120V | | | ■ | | |
| | | 277V | | | ■ | | |
| | Countdown timer switch | 120V | | | | | |
| | Countdown eco-timer™ switch | 120V | | | | | |

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. 255–259 for more details

Plug-in Controls Connected Home

| | | |
|---|---|---|
|  |  |  |
| Credenza® p. 132 | Caséta® Wireless p. 136 | Caséta® Wireless plug-in p. 144 |

| Dimmers | | Voltage | | | |
|---|--|----------|--|--|----------|
|  | Incandescent/halogen | 120V | | | |
| | eco-dim® incandescent/halogen | 120V | | | |
|  | Dimmable CFL/LED (screw-base) | 120V | | | |
|  | Magnetic low-voltage | 120V | | | |
| | | 277V | | | I |
|  | Electronic low-voltage | 120V | | | I |
| | | 277V | | | I |
|  | Neon/code cathode | 120V | | | I |
| Dimmers for fluorescent ballasts/LED drivers | | | | | |
|  | 3-wire: Drivers - Hi-lume® 1% and Premier 0.1% Ballasts - Hi-lume 3D and EcoSystem™ | 120/277V | | | I |
|  | 2-wire: Drivers - Hi-lume 1% | 120V | | | |
|  | Ecosystem: Drivers - Hi-lume 1% and 1% with Soft-on, Fade-to-Black, and 5-Series Ballasts - EcoSystem H-Series, Hi-lume 3D and EcoSystem | 120/277V | | | |
|  | 2-wire Ballasts: Tu-Wire | 120V | | | |
|  | 0–10V DC (fixtures by others) | 120/277V | | | I |
| Fan controls | | | | | |
|  | Quiet | 120V | | | |
|  | Fully variable | 120V | | | |
|  | Fan/light | 120V | | | |
| Switches/timers | | | | | |
| | Electronic switch | 120V | | | |
| | | 277V | | | |
| | Mechanical switch | 120V | | | |
| | | 277V | | | |
| | Countdown timer switch | 120V | | | |
| | Countdown eco-timer™ switch | 120V | | | |

Dimmer families are organized by wallplate opening style.

Within each family section are:

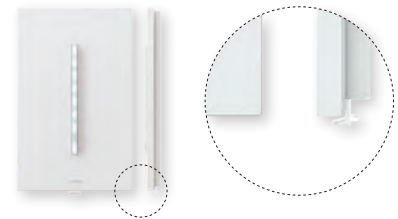
- Lighting load type compatibility
- Color options
- Specification features
- Model numbers
- Coordinating accessories

Customize solutions that are right for you.

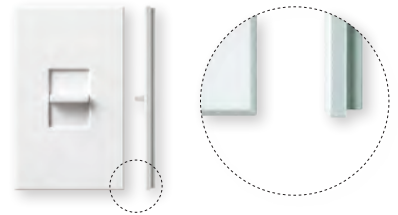
Dedicated sections follow for non-wallbox controls that also offer single-space solutions, including:

- Plug-in controls
- Connected Home
- Wireless Commercial
- Sensors
- Wireless remote controls
- Battery-operated shades
- Fixtures

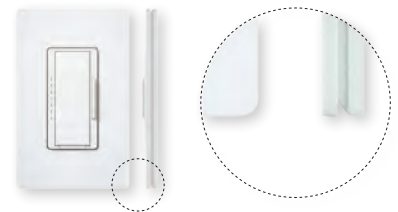
New Architectural wallplate opening



Architectural wallplate opening



Designer wallplate opening



Traditional wallplate opening



New Architectural product families

p. 14

- 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. 24

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

Designer product families

p. 56

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

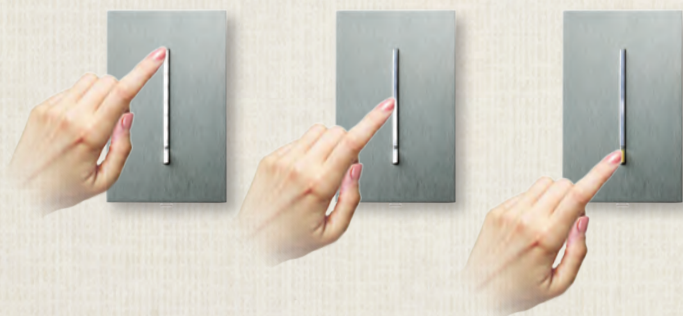
Traditional product families

p. 112

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










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




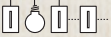

Product family features

- 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. 178) and Radio Powr Savr™ wireless sensors (see pp. 198 and 202)
- 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. 224


Direct load type compatibility

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

Control types

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

Load type requiring load interface

-  Neon/cold cathode

Lighting load interfaces may be applicable for some load types, and capacity combinations. For additional information, see pp. 255–259.

Available finishes

Architectural matte finish



WH
White

Architectural matte finish wallplates*



LA
Light Almond



AL
Almond



BE
Beige



IV
Ivory



TP
Taupe



GR
Gray



SI
Sienna



BR
Brown



BL
Black

Architectural metal finish wallplates*



BN
Bright Nickel



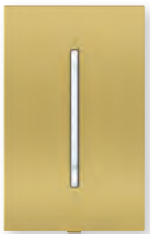
BC
Bright Chrome



SC
Satin Chrome



SN
Satin Nickel



BB
Bright Brass



SB
Satin Brass

Architectural glass
finish 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 p. 220.

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

 **Incandescent/halogen dimmer**

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

150W touch C·L® dimmer*

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

Visit www.lutron.com/led for an approved list of dimmable LED bulbs, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.



Incandescent/halogen dimmer



Dimmable LED (screw-base) 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 600W (Inc) 250W (LED)
400 VA/300W (MLV)
400W (Hi-lume 1% LED driver, max. 10)
3.3A (Tu-Wire fluorescent ballast)

Visit www.lutron.com/led for an approved list of dimmable LED bulbs, and how 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 www.lutron.com/applicationnotes.

All models must be derated if ganged, unless otherwise noted, see pp. 248–249 and 254.

* Minimum load required, see product specification submittals for specifics

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

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

Phase selectable touch dimmer*

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

Visit www.lutron.com/led for an approved list of dimmable LED bulbs, and how 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 www.lutron.com/applicationnotes.

All models must be derated if ganged, unless otherwise noted, see pp. 248–249 and 254.

* Minimum load required, see product specification submittals for specifics

** **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

Incandescent/halogen dimmer

Dimmable LED (screw-base) dimmer

150 W RF touch C·L® dimmer*

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

Visit www.lutron.com/led for an approved list of dimmable LED bulbs, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.



Incandescent/halogen dimmer



Dimmable LED (screw-base) 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 600W (Inc) 250W (LED)
400VA/300W (MLV)
400W (Hi-lume 1% LED driver, max. 10)
3.3A (Tu-Wire fluorescent ballast)

Visit www.lutron.com/led for an approved list of dimmable LED bulbs, and how 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 www.lutron.com/applicationnotes.

All models must be derated if ganged, unless otherwise noted, see pp. 248–249 and 254.

* Minimum load required, see product specification submittals for specifics

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

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

Phase selectable RF touch C·L dimmer*

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

Visit www.lutron.com/led for an approved list of dimmable LED bulbs, and how 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 www.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, fluorescents, CFLs, LEDs, general purpose fans, and motor loads.

All models must be derated if ganged, unless otherwise noted, see pp.248–249 and 254.

* Minimum load required, see product specification submittals for specifics

** **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, fluorescents, CFLs, LEDs, general purpose fans, and motor loads.

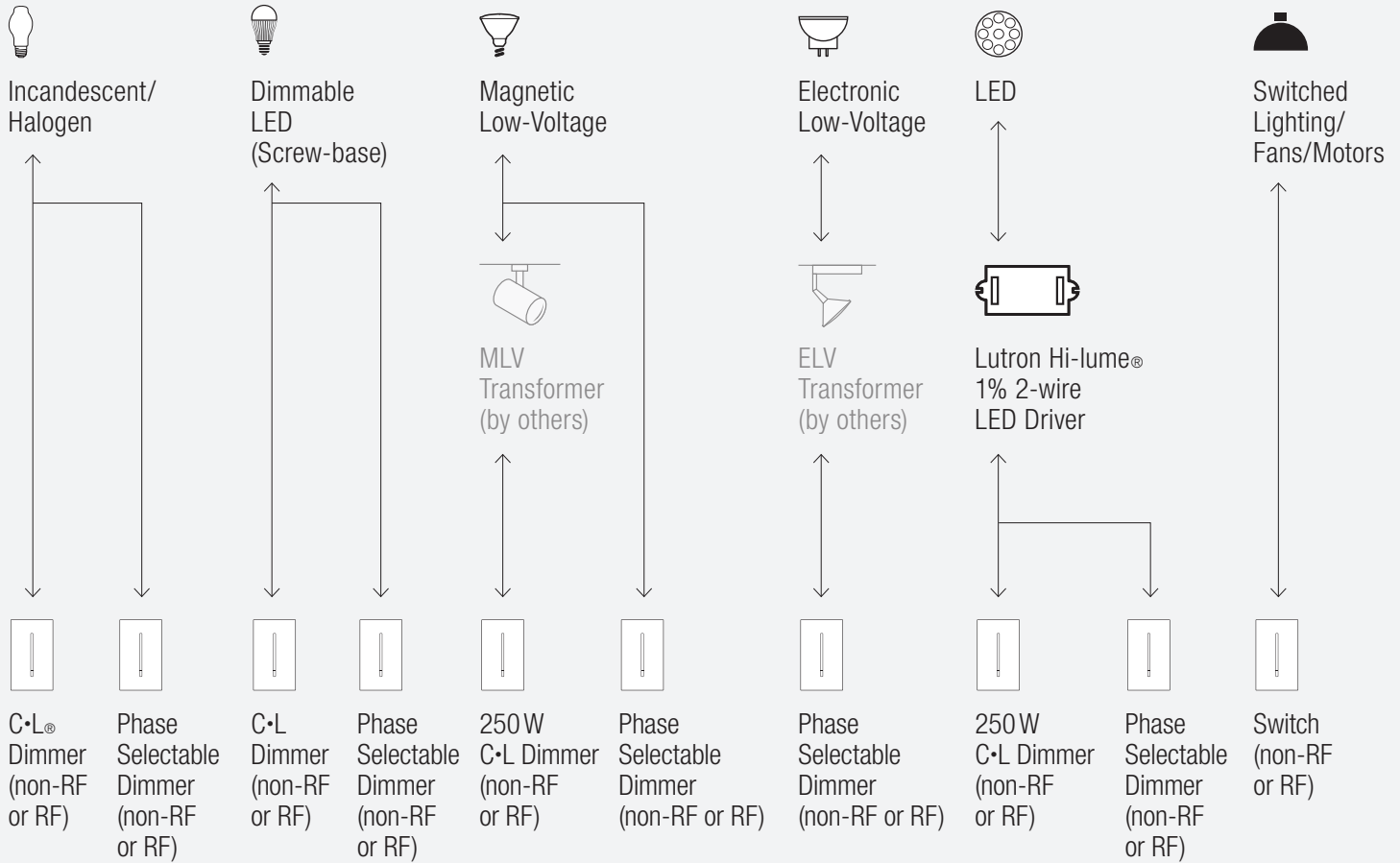
All models must be derated if ganged, unless otherwise noted, see pp. 248–249 and 254.

* Minimum load required, see product specification submittals for specifics

** **Requires neutral wire connection**

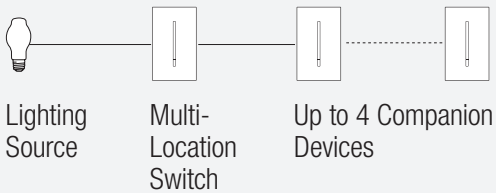
Connections overview

Load connections*

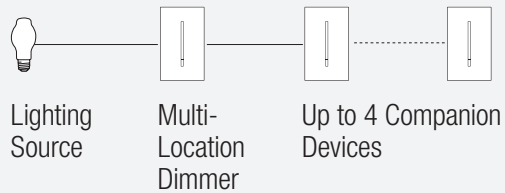


Control types (for 2 or more locations)

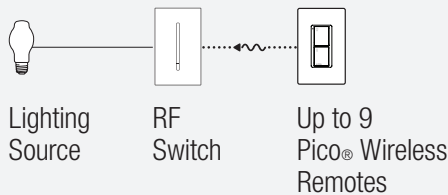
Switch from multiple locations (up to 5)



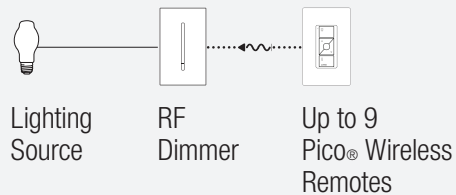
Dim from multiple locations (up to 5)



Switch wirelessly from multiple locations (up to 10)



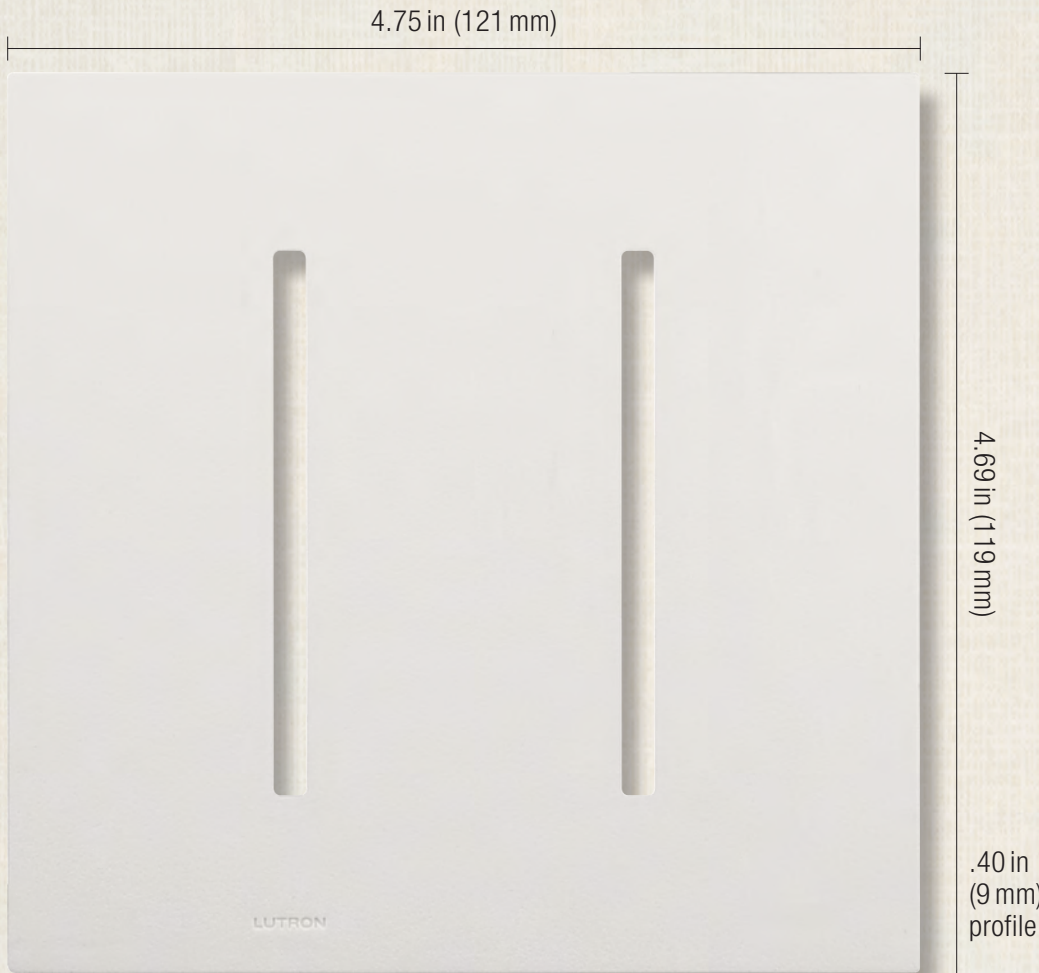
Dim wirelessly from multiple locations (up to 10)



For more information on LED drivers, visit www.lutron.com/LED.

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

Accessories



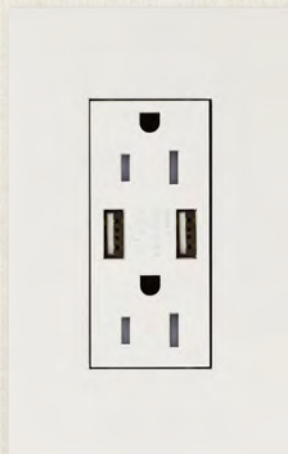
Shown actual size: 2-gang
New Architectural wallplate
in White (WH).

For more information
about New Architectural
wallplates, see p. 222.

Coordinated electrical devices



Tamper resistant
receptacle



Tamper resistant
USB receptacle

For more information
about coordinated
New Architectural
electrical devices,
see p. 225.





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. 229

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 finishes*



WH
White



LA
Light Almond



AL
Almond



BE
Beige



IV
Ivory



TP
Taupe



GR
Gray



SI
Sienna



BR
Brown



BL
Black

Architectural metal finish 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 finish wallplates only available separately and include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls. For wallplate information, see p.226.

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- XX ¹ |
| Multi-location/single-pole 120V 1000W/VA | V-1000- XX ¹ |

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- XX ¹ |
|---|-----------------------------------|

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.

XX¹: Architectural matte color codes, see p. 25 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

Auxiliary tapswitch



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

Companion Control

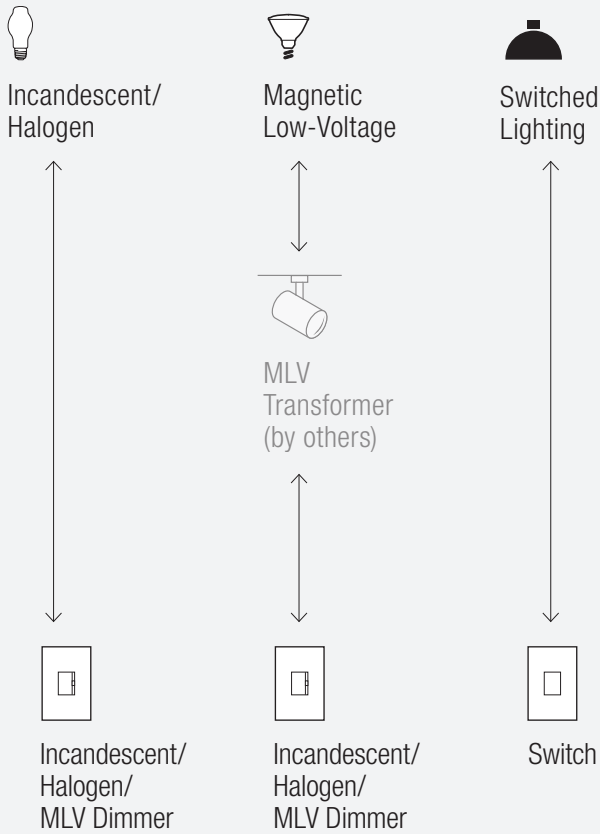
Auxiliary tapswitch

| | |
|---------------------|--------------------------------|
| Auxiliary tapswitch | VETS-R- XX ¹ |
| 120V | |

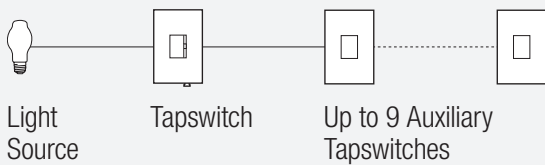
XX¹: Architectural matte color codes, see p. 25
(1-gang wallplate included)

Connections overview

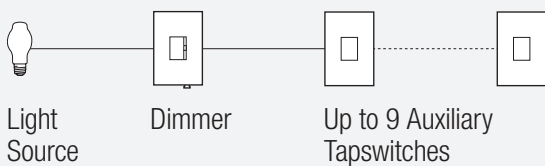
Load connections*



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

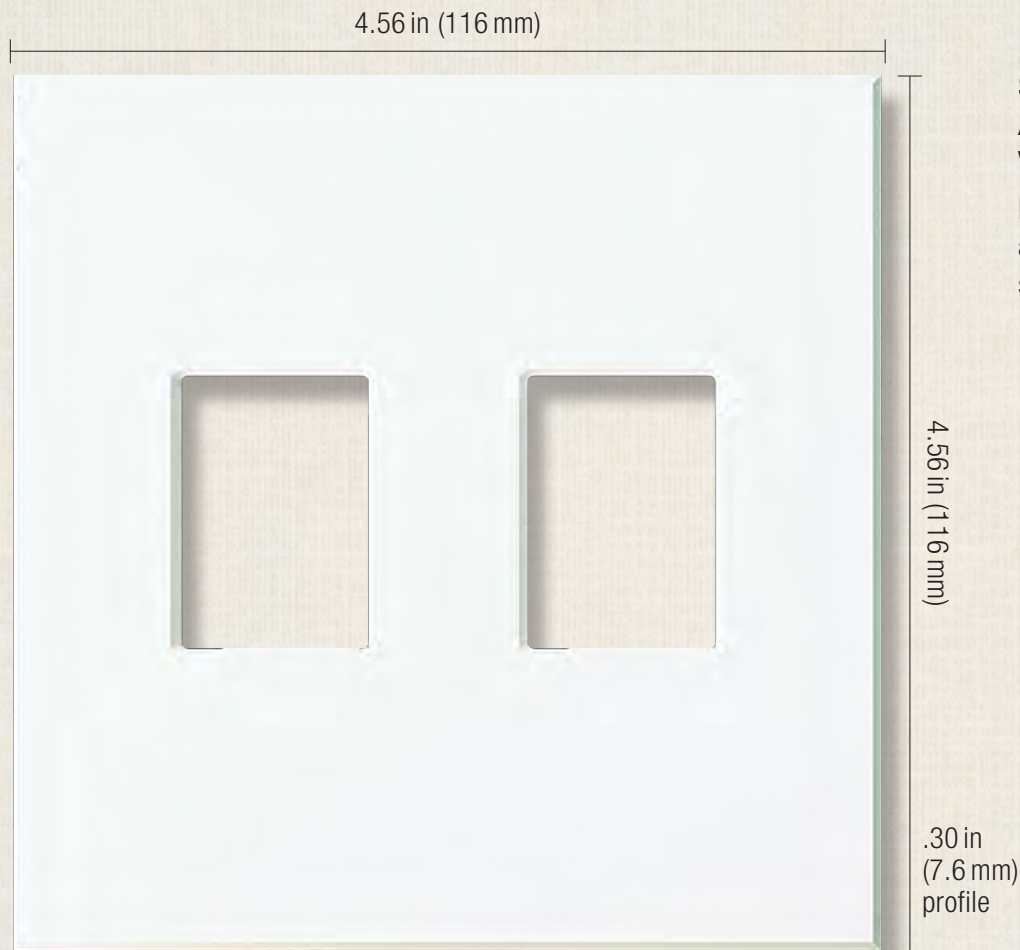


Dim from one location, switch from others (up to 10)



***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 p. 228.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle

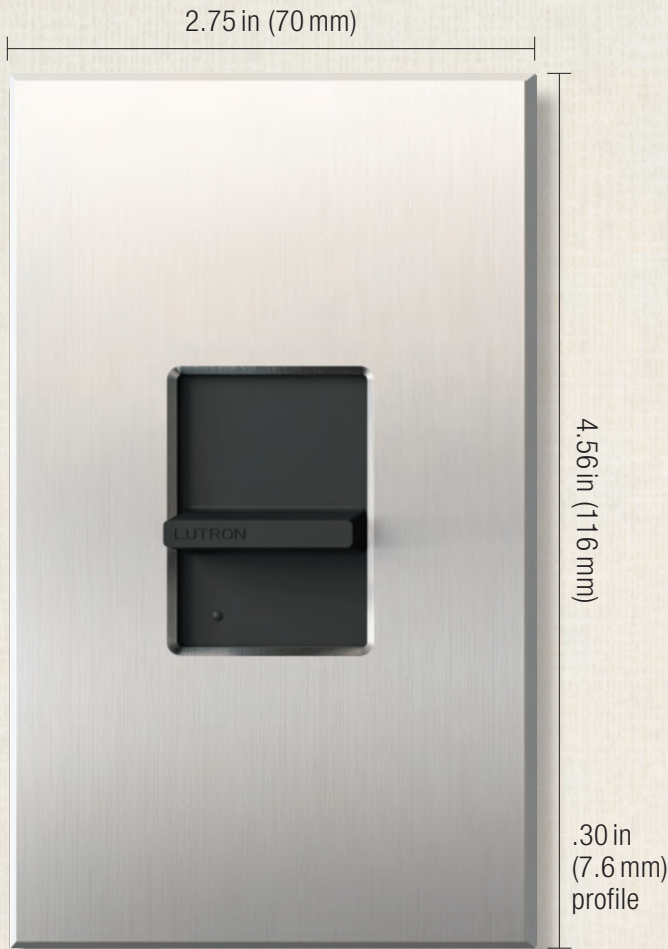


Customizable 6-port frame



Cable jack

For more information about coordinated Architectural electrical devices, see p. 230.



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. 229

Control types

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

Direct load type compatibility

- Incandescent/halogen lighting
- Dimmable CFL/LED lighting (screw-base)
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- Fluorescent lighting
- LED 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. 255–259.

Available finishes

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

Architectural matte finishes*



WH
White



LA
Light Almond



AL
Almond



BE
Beige



IV
Ivory



TP
Taupe



GR
Gray



SI
Sienna



BR
Brown



BL
Black

Architectural metal finish wallplates**



BN
Bright Nickel



BC
Bright Chrome



CLA
Clear Anodized
Aluminum



SC
Satin Chrome



SN
Satin Nickel



QZ
Antique Bronze



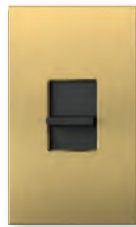
AU
Gold Plated



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 finish wallplates only available separately and include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls. For wallplate information, see p. 226.

Slide-to-off dimmers

(small controls)



- Slide up to brighten, down to dim
- Loads from 1000-2000 Watts require large controls, see p.34
- C•L[®] dimmer provides reliable dimming of dimmable CFLs/LEDs, as well as halogens and incandescents

⚡ Magnetic low-voltage dimmers

(small controls)

Slide-to-off dimmers

| | |
|--------------------------------------|---------------------------------------|
| Single-pole 120V 600 VA (450 W) | NTLV-600- XX ¹ |
| Single-pole 120V 1000 VA (800 W) | NTLV-1000- XX ¹ |
| Single-pole* 277V 600 VA (450 W) | NTLV-600-277- XX ¹ |
| Single-pole* 277V 1000 VA (800 W) | NTLV-1000-277- XX ¹ |

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 dimmer**
- ⚡ **Dimmable CFL/LED (screw-base) dimmer**
- ⚡ **Hi-lume[®] 1% 2-wire LED driver dimmer**

250W slide-to-off C•L dimmer

| | |
|--|----------------------------------|
| Single-pole 120V 1000W (Inc) 250W (CFL/LED) 400W (Hi-lume A-Series LED driver, max 10) | NTCL-250- XX ¹ |
|--|----------------------------------|

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

⚡ Electronic low-voltage dimmers

(small controls)

Slide-to-off dimmers*

| | |
|--------------------------|-----------------------------------|
| Single-pole 120V 300W | NTELV-300- XX ¹ |
| Single-pole 120V 600W | NTELV-600- XX ¹ |

⚡ Incandescent/halogen dimmers

(small controls)

Slide-to-off dimmers

| | |
|---------------------------|---------------------------------|
| Single-pole 120V 600W | NT-600- XX ¹ |
| Single-pole 120V 1000W | NT-1000- XX ¹ |

XX¹: Architectural matte color codes, see p.31 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp.248–249 and 254.

* **Requires neutral wire connection**

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

Slide-to-off dimmers*

| | |
|-------------------------|------------------------------------|
| Single-pole 120V 16A | NTF-10- XX ¹ |
| Single-pole 277V 8A | NTF-10-277- XX ¹ |

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

Adjustable low-end trim.

For more information on Hi-lume 1% LED drivers, visit www.lutron.com/HilumeLED.

No derating required if ganged.

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

Slide-to-off dimmer

| | |
|--|-------------------------------|
| Single-pole 120/277V 30mA max control current | NTSTV- XX ¹ |
|--|-------------------------------|

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

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

No derating required if ganged.

XX¹: Architectural matte color codes, see p. 31 (1-gang wallplate included)

 **Tu-Wire[®] fluorescent ballast dimmers**
(small controls)

Slide-to-off dimmers

| | |
|-------------------------|--------------------------------------|
| Single-pole 120V 5A | NTFTU-5A- XX ¹ |
| Single-pole* 277V 5A | NTFTU-5A-277- XX ¹ |

Also compatible with Advance Mark X ballasts, for further information visit www.lutron.com/advance.

For information on use with Sylvania POWERSENSE ballasts, contact Technical Support at 1.800.523.9466.

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

* **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. 35

Incandescent/halogen dimmers (large controls)

Slide-to-off dimmers

| | |
|---------------------------|---------------------------------|
| Single-pole 120V 1500W | NT-1500- XX ¹ |
| Single-pole 120V 1950W | NT-2000- XX ¹ |

NT-2000 dimmers must be ganged with no fins broken. See ganging and derating on p. 246 for further information.

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- XX ¹ |
|------------------------------------|-----------------------------------|

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 (small controls)

Preset dimmers

| | |
|---------------------------------|----------------------------------|
| 3-way/single-pole 120V 600W | NT-603P- XX ¹ |
| 3-way/single-pole 120V 1000W | NT-1003P- XX ¹ |

Magnetic low-voltage dimmers (small controls)

Preset dimmers

| | |
|---|------------------------------------|
| 3-way/single-pole (small) 120V 600VA (450W) | NTLV-603P- XX ¹ |
| 3-way/single-pole (small) 120V 1000VA (800W) | NTLV-1003P- XX ¹ |

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.

XX¹: Architectural matte color codes, see p. 31
(1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

 **3-wire fluorescent ballast/LED**

driver dimmers

(small controls)

Preset dimmers*

| | |
|------------------|--------------------------------------|
| 3-way 120V 8A | NTF-103P- XX ¹ |
| 3-way 277V 6A | NTF-103P-277- XX ¹ |

For use with EcoSystem[®] and Hi-lume[®] 3D ballasts, and Hi-lume1% and Hi-lume Premier 0.1% LED drivers.

Adjustable low-end trim.

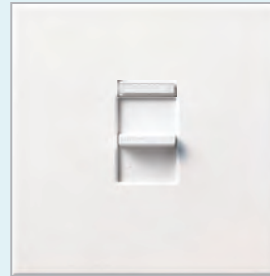
For more information on Hi-lume 1% LED drivers, visit www.lutron.com/HilumeLED.

To control lights from multiple-locations, use 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- XX ¹ |
|---------------------------------|----------------------------------|



Magnetic low-voltage dimmer

(large control)

Preset dimmer

| | |
|--|------------------------------------|
| 3-way/single-pole 120V 1500VA (1200W) | NTLV-1503P- XX ¹ |
|--|------------------------------------|

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.

XX¹: Architectural matte color codes, see p. 31 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

* **Requires neutral wire connection**

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

General purpose switches

(small controls)

Linear-slide mechanical switches

| | |
|-----------------------------|--------------------------------|
| Single-pole 120/277V 20A | NT-1PS- XX ¹ |
| 3-way 120/277V 20A | NT-3PS- XX ¹ |
| 4-way 120/277V 20A | NT-4PS- XX ¹ |

Rated for incandescent/halogen, magnetic low-voltage, electronic low-voltage, fluorescents, CFLs, LEDs, 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- XX ¹ |
|--------------------------|-------------------------------|

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- XX ¹ |
|------------------------|---------------------------------|

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

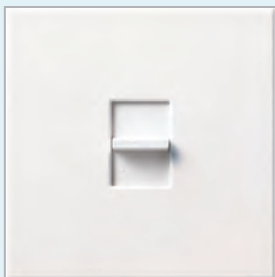
Fully variable fan with controls are commonly known as solid state fan controls.

XX¹: Architectural matte color codes, see p. 31 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

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- XX ¹ |
| 120V 12A | |

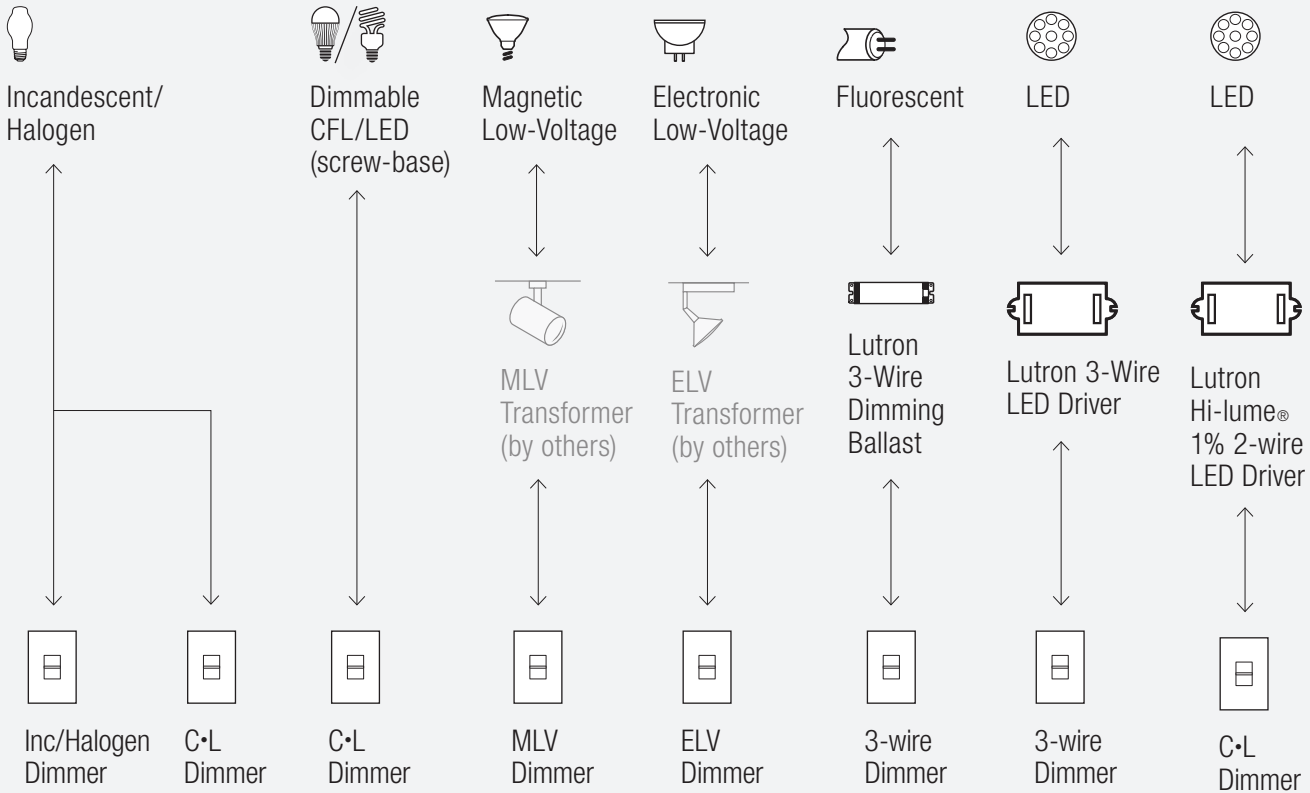
Fully variable fan controls are commonly known as solid state fan controls.

XX¹: Architectural matte color codes, see p. 31
(1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

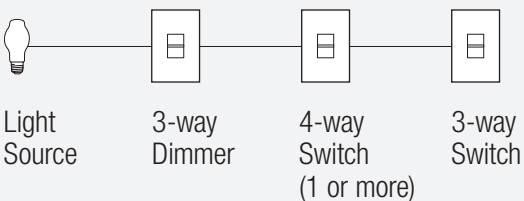
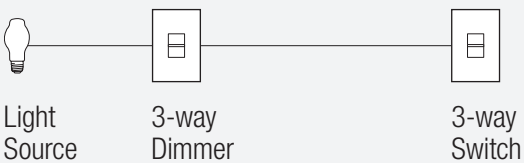
Connections overview

Load connections*



Control types (for 2 or more locations)

Dim from one location, switch from the others

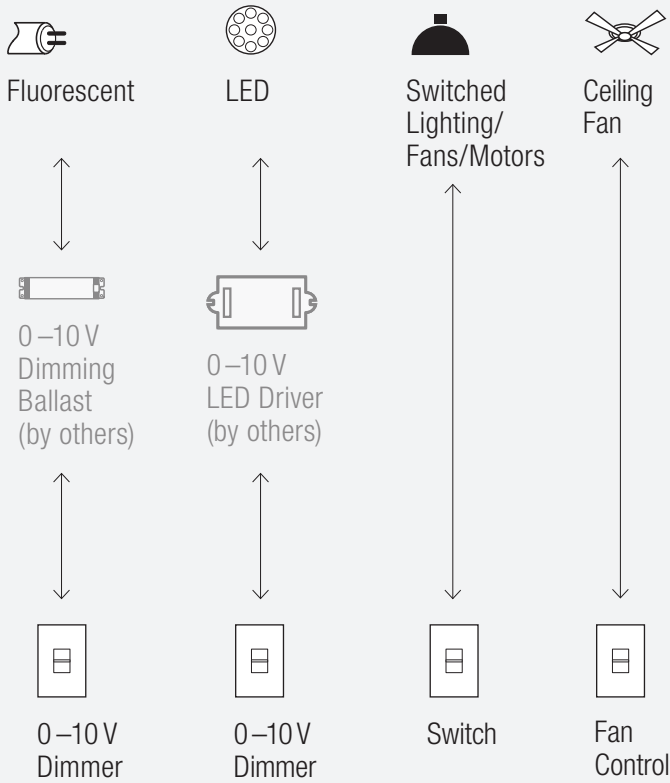


For more information on LED drivers, visit www.lutron.com/LED.

*For illustration purposes only.

Consult model number pages for specific voltage and capacity information.

Load connections* (continued)



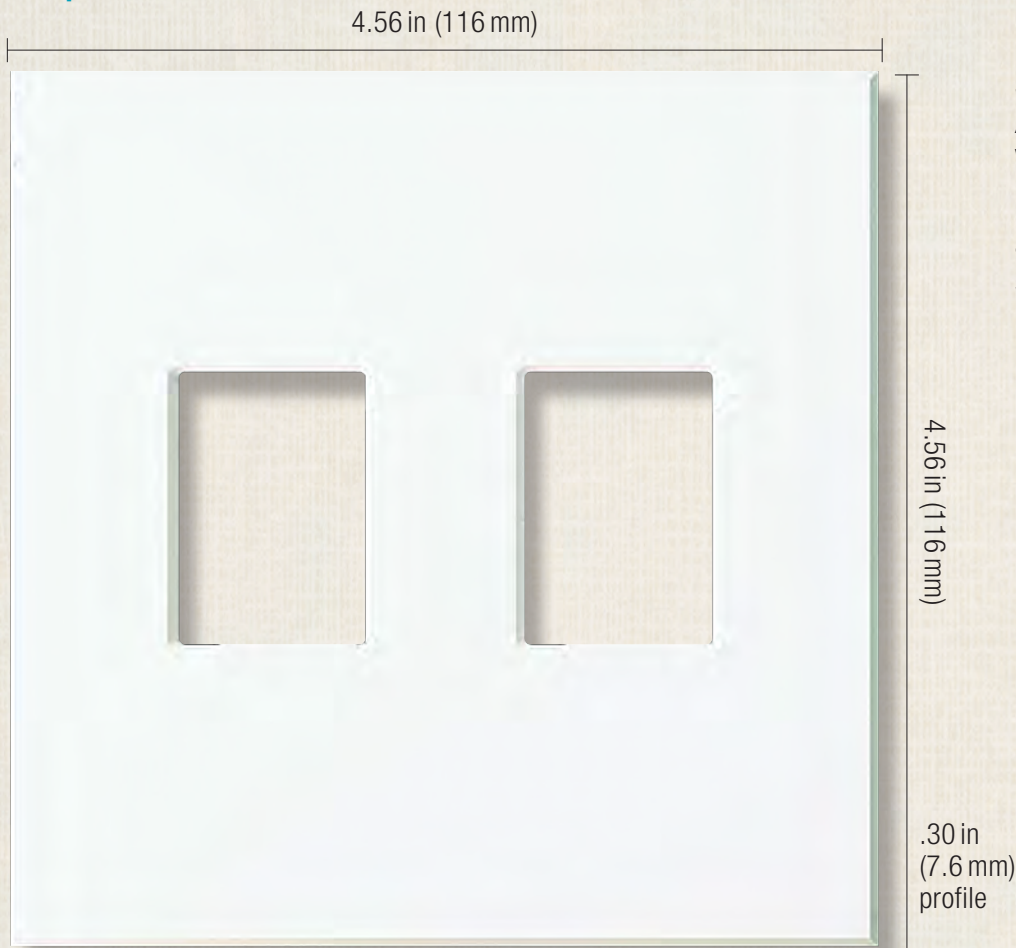
For more information on LED drivers,
visit www.lutron.com/LED.

***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 p. 228.

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. 230.





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






Product family features

- Slide 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. 30
- Does not mount with Nova T[☆] under common wallplate
- Coordinating wallplate included with control
- Custom engraving and custom coloring available for wallplates, see p. 229


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
-  Fluorescent lighting
-  LED 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. 225–229.

Available finishes

Use **BOLD** color code in model number (Example: N-600-**BE**)

Architectural matte finishes*



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. 46

Incandescent/halogen dimmers

(small controls)

Slide-to-off dimmers

| | |
|---------------------------|--------------------------------|
| Single-pole 120V 600W | N-600- XX ¹ |
| Single-pole 120V 1000W | N-1000- XX ¹ |

Magnetic low-voltage dimmer

Neon/cold cathode dimmer

(small control)

Slide-to-off dimmer*

| | |
|-----------------------------------|---------------------------------|
| Single-pole 120V 600 VA (450W) | NLV-600- XX ¹ |
|-----------------------------------|---------------------------------|

For more information on neon/cold cathode dimming, consult Lutron Application Note #25, Neon/Cold Cathode Dimming Applications, at www.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.

XX¹: Architectural matte color codes, see p. 45 (1-gang wallplate included)

3-wire fluorescent ballast/LED driver dimmer

(small control)

Slide-to-off dimmer*

| | |
|-------------------------|-------------------------------|
| Single-pole 120V 16A | NF-10- XX ¹ |
|-------------------------|-------------------------------|

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

For more information on Hi-lume 1% LED drivers, visit www.lutron.com/HilumeLED.

Adjustable low-end trim.

No derating required if ganged.

0-10V fluorescent/LED fixture dimmer

(current sink control – power pack required)

(small control)

Slide-to-off dimmer

| | |
|---|------------------------------|
| Single-pole 30mA max control current | NFTV- XX ¹ |
|---|------------------------------|

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

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

No derating required if ganged.

All models must be derated if ganged, unless otherwise noted, see pp.248–249.

***Requires neutral wire connection**

 **Tu-Wire® fluorescent ballast dimmer**

(small control)

Slide-to-off dimmer

| | |
|------------------------|---------------------------------|
| Single-pole 120V 5A | NFTU-5A- XX ¹ |
|------------------------|---------------------------------|

Also compatible with Advance Mark X ballasts. For further information, visit www.lutron.com/advance.

For information on use with Sylvania POWERSENSE ballasts, contact Technical Support at 1.800.523.9466

 **Magnetic fluorescent ballast dimmer**

(small control)

Slide-to-off dimmer

| | |
|--------------------------------------|-------------------------------|
| Single-pole (small) 120V 10 lamps | NF-10- XX ¹ |
|--------------------------------------|-------------------------------|

For best fluorescent dimming performance and reliability, Lutron strongly recommends using EcoSystem® electronic dimming ballasts and appropriate controls.

XX¹: Architectural matte color codes, see p. 45 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

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- XX ¹ |
| Single-pole 120V 2000W | N-2000- XX ¹ |

Magnetic low-voltage dimmers

Neon/cold cathode dimmers

(large controls)

Slide-to-off dimmers*

| | |
|------------------------------------|----------------------------------|
| Single-pole 120V 1000VA (800W) | NLV-1000- XX ¹ |
| Single-pole 120V 1500VA (1200W) | NLV-1500- XX ¹ |

For more information on neon/cold cathode dimming consult Lutron Application Note #25, Neon/Cold Cathode Dimming Applications, at www.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 fluorescent ballast/LED driver dimmer

(large control)

Slide-to-off dimmer*

| | |
|------------------------|-----------------------------------|
| Single-pole 277V 8A | NF-10-277- XX ¹ |
|------------------------|-----------------------------------|

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

For more information on Hi-lume 1% LED drivers, visit www.lutron.com/HilumeLED.

Adjustable low-end trim.

No derating required if ganged.

XX¹: Architectural matte color codes, see p. 45 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

*Requires neutral wire connection

 **Magnetic fluorescent ballast dimmers**

(large controls)

Slide-to-off dimmers*

| | |
|------------------------------|-----------------------------------|
| Single-pole 120V 20 lamps | NF-20- XX ¹ |
| Single-pole 120V 30 lamps | NF-30- XX ¹ |
| Single-pole 277V 10 lamps | NF-10-277- XX ¹ |
| Single-pole 277V 20 lamps | NF-20-277- XX ¹ |

For best fluorescent dimming performance and reliability, Lutron strongly recommends using EcoSystem® electronic dimming ballasts and appropriate controls.

XX¹: Architectural matte color codes, see p. 45
(1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

***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. 49

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

Preset dimmers*

| | |
|-------------------------------|---------------------------------|
| 3-way/single-pole 120V 8 A | NF-103P- XX ¹ |
|-------------------------------|---------------------------------|

| | |
|------------------------------|-------------------------------------|
| 3-way/single-pole 277V 6A | NF-103P-277- XX ¹ |
|------------------------------|-------------------------------------|

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

Adjustable low-end trim.

For more information on Hi-lume 1% LED drivers, visit www.lutron.com/HilumeLED.

No derating required if ganged.

Incandescent/halogen dimmers (small controls)

Preset dimmers

| | |
|--------------------------------|--------------------------------|
| 3-way/single-pole 120V 600W | N-603P- XX ¹ |
|--------------------------------|--------------------------------|

| | |
|---------------------------------|---------------------------------|
| 3-way/single-pole 120V 1000W | N-1003P- XX ¹ |
|---------------------------------|---------------------------------|

Magnetic low-voltage dimmers (small controls)

Preset dimmers

| | |
|---|----------------------------------|
| 3-way/single-pole 120V 600 VA (450W) | NLV-603P- XX ¹ |
|---|----------------------------------|

| | |
|--|-----------------------------------|
| 3-way/single-pole 120V 1000 VA (800W) | NLV-1003P- XX ¹ |
|--|-----------------------------------|

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.

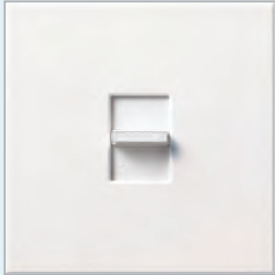
XX¹: Architectural matte color codes, see p. 45 (1-gang wallplate included)

All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

***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 4.56 in x 4.56 in
- Requires large wallplate
- Fit in a 1-gang electrical backbox



Incandescent/halogen dimmers

(large controls)

Preset dimmers

| | |
|---------------------------------|---------------------------------|
| 3-way/single-pole 120V 1500W | N-1503P- XX ¹ |
| 3-way/single-pole 120V 2000W | N-2003P- XX ¹ |



Magnetic low-voltage dimmers

(large controls)

Preset dimmers

| | |
|--|-----------------------------------|
| 3-way/single-pole 120V 1500VA (1200W) | NLV-1503P- XX ¹ |
| 3-way/single-pole 120V 2000VA (1600W) | NLV-2003P- XX ¹ |

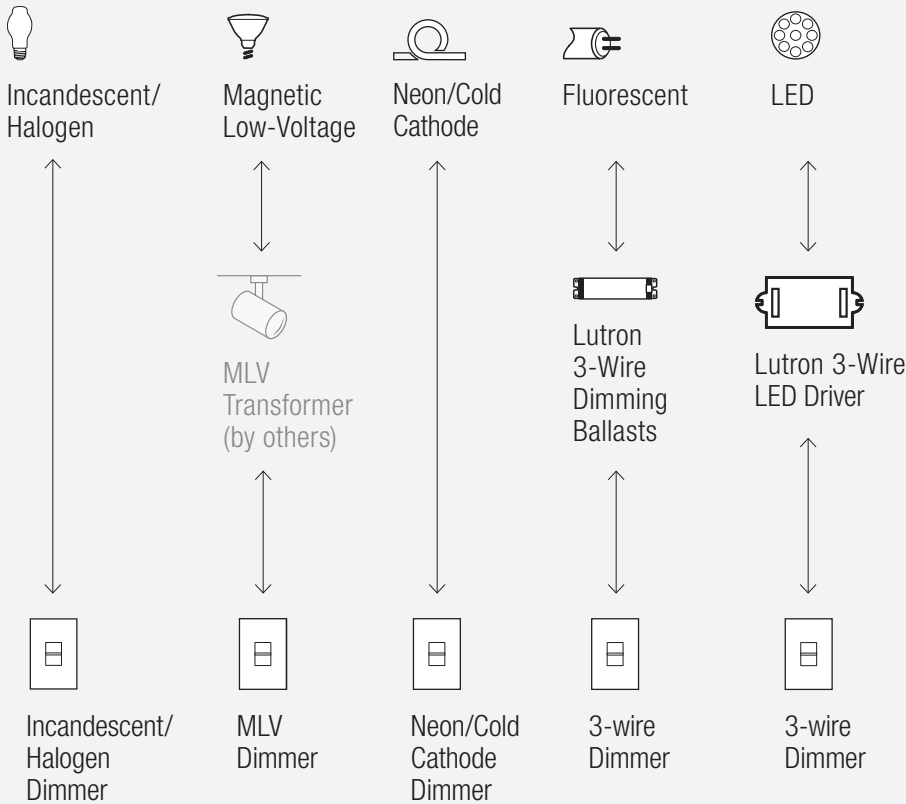
The stated VA (Volt-Ampere) rating includes the magnetic transformer heat losses and the lamp load. The stated W (Watt) rating is the maximum lamp wattage based on assumed 20% transformer loss.

XX¹: Architectural matte color codes, see p. 45
(1-gang wallplate included)

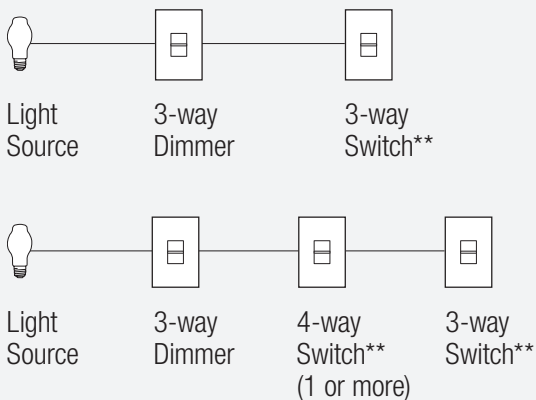
All models must be derated if ganged, unless otherwise noted, see pp. 248–249.

Connections overview

Load connections*



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

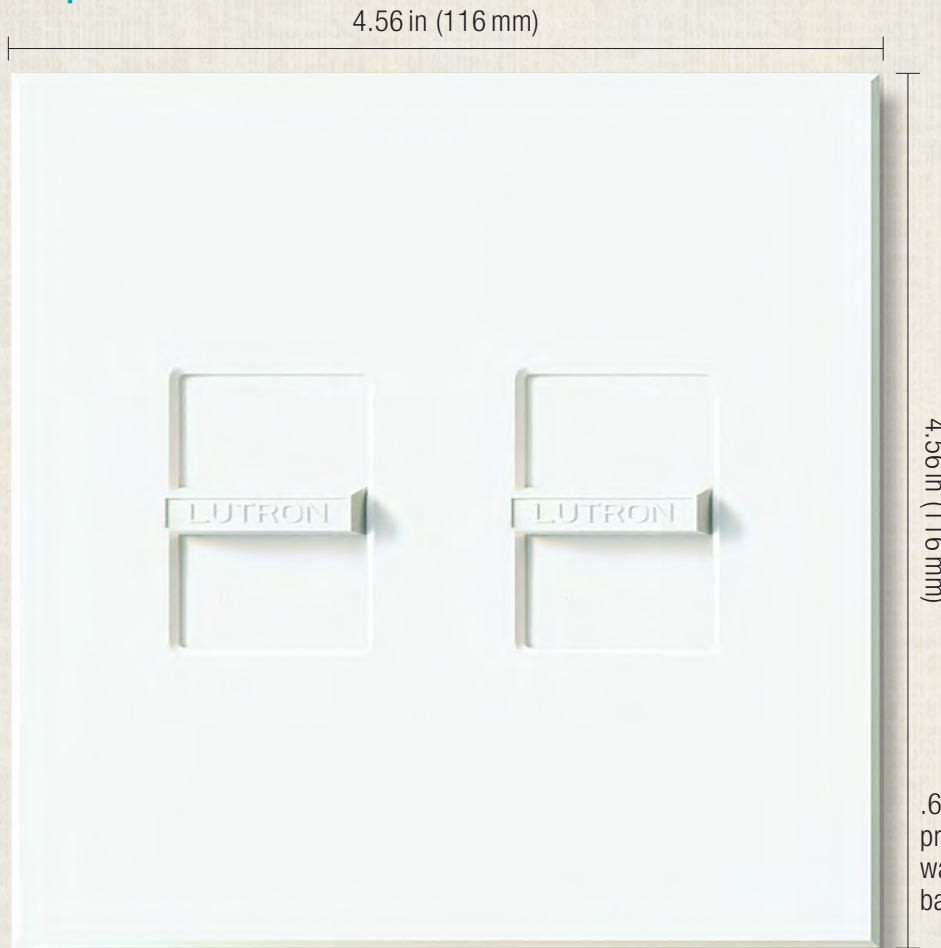


**For 3-way and 4-way control, use 3-way dimmer with NT-3PS- and NT-4PS- or other mechanical switches.
Note: Nova T☆® (p. 30) and Nova (p. 42) have different profile depths.

For more information on LED drivers, visit www.lutron.com/LED.
*For illustration purposes only. Consult model number pages for specific voltage and capacity information.

Accessories

Wallplates



Shown actual size: Custom Architectural 2-gang Nova wallplate in White (WH).
For information about Nova multi-gang wallplates, visit www.lutron/custommultigang.

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. 230.





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


Product family features

- Rotary style dimmer with captive knob
- Heavy duty components for surge protection and long product life
- Visible heat sink
- Gangable without removing side sections and reducing wattage
- Voltage compensation maintains stable light levels, despite line voltage variations
- Original thick profile does not fit flush against the wall; for thinner profile see Nova T☆® on p. 30
- Coordinating wallplate included with control
- Custom engraving and custom coloring available for wallplates, see p. 229

Control types

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

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-600-**BE**)

Architectural matte finishes



WH
White

BE
Beige

Rotary dimmers

(small controls)



- Rotate or push on/off (depending on model), rotate to adjust light level
- Higher capacity loads require large controls



Incandescent/halogen dimmers

(small controls)

Rotary, rotate on/off

| | |
|---------------------------|--------------------------------|
| Single-pole 120V 600W | C-600- XX ¹ |
| Single-pole 120V 1000W | C-1000- XX ¹ |

Rotary, push on/off

| | |
|-----------------------------------|--------------------------------|
| Single-pole (small) 120V 600W | C-600P- XX ¹ |
| Single-pole (small) 120V 1000W | C-10P- XX ¹ |
| 3-way (small) 120V 600W | C-603P- XX ¹ |
| 3-way (small) 120V 1000W | C-103P- XX ¹ |

Multi-gang wallplates are not available.

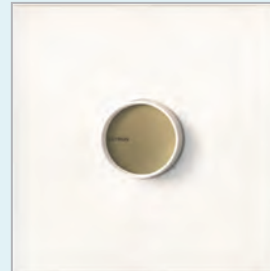
When ganging controls, mount single-gang wallplates side-by-side. Not gangable with other dimmer families.

For 3-way and 4-way switching, use a 3-way dimmer with mechanical switches.

XX¹: Architectural matte color codes, see p. 52
(1-gang wallplate included)

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
- Fit in a 1-gang electrical backbox



Incandescent/halogen dimmers

(large controls)

Rotary, rotate on/off

| | |
|---------------------------|--------------------------------|
| Single-pole 120V 1500W | C-1500- XX ¹ |
| Single-pole 120V 2000W | C-2000- XX ¹ |

Multi-gang wallplates are not available.

When ganging controls, mount single-gang wallplates side-by-side. Not gangable with other dimmer families.

Connections overview

Load connections*



Incandescent/
Halogen



Incandescent/
Halogen
Dimmer

Control types (for 2 or more locations)

Dim from one location, switch from the others



Light
Source



3-way
Dimmer



3-way
Switch**



Light
Source



3-way
Dimmer



4-way
Switch**
(1 or more)



3-way
Switch**

**For 3-way and 4-way control, use 3-way dimmer with NT-3PS- and NT-4PS- or other mechanical switches.

Note: Nova T[☆]® (p. 30) and Centurion (p. 52) 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 p.230.










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. 237

Direct load type compatibility




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

Load type requiring load interface

-  Neon/cold cathode lighting

Lighting load interfaces may be applicable for some load type, voltage, and capacity combinations. For additional information, see pp. 255–259.

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 finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Satin Colors® finishes*



SW
Snow



LS
Limestone



BI
Biscuit



ES
Eggshell



PD
Palladium



TP
Taupe



ST
Stone



BG
Bluestone



PL
Plum



SG
Sea Glass



TQ
Turquoise



GS
Goldstone



DS
Desert Stone



GB
Greenbriar



MS
Mocha Stone



TC
Terracotta



SI
Sienna



HT
Hot



MR
Merlot



MN
Midnight



SS
Stainless Steel

Metal finish wallplate**

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel 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 p. 236.

Digital fade dimmers



- Provides true dimming from each location (with companion dimmers)
- C•L® dimmer provides reliable dimming of dimmable CFLs/LEDs, as well as halogens and incandescents
- eco-dim model guarantees at least 15% energy savings compared to a standard switch*

Incandescent/halogen dimmers

Digital fade dimmers**

| | |
|--|-----------------------------------|
| Multi-location/single-pole 120V 600W | MA-600- XX ² |
| Multi-location/single-pole 120V 600W | MSC-600M- XX ³ |
| Multi-location/single-pole 120V 1000W | MA-1000- XX ² |
| Multi-location/single-pole 120V 1000W | MSC-1000M- XX ³ |

eco-dim digital fade dimmer**

| | |
|---|---------------------------------|
| Multi-location/single-pole 120V 600W | MA-600G- XX ⁴ |
|---|---------------------------------|

Incandescent/halogen dimmer

Dimmable CFL/LED (screw-base) dimmer

Digital fade C•L dimmer**

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Magnetic low-voltage dimmers

Digital fade dimmers**

| | |
|--|-------------------------------------|
| Multi-location/single-pole 120V 600 VA (450 W) | MALV-600- XX ² |
| Multi-location/single-pole 120V 600 VA (450 W) | MSCLV-600M- XX ³ |
| Multi-location/single-pole 120V 1000 VA (800 W) | MALV-1000- XX ² |
| Multi-location/single-pole 120V 1000 VA (800 W) | MSCLV-1000M- XX ³ |

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.

XX¹: Gloss and Satin Colors® codes, see p.57

XX²: Gloss color codes, see p.57

XX³: Satin Colors codes, see p.57

XX⁴: Available in Gloss White (WH), Ivory (IV), Almond (AL), Light Almond (LA)

Wallplates not included. Order separately, see p.236

All models must be derated if ganged unless otherwise noted, see pp.250–252 and 254.

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

** Minimum load required, see specification submittal

† Works with a standard mechanical 3-way switch

 **Electronic low-voltage dimmers**

Digital fade dimmers^{*,**}

| | |
|---|------------------------------------|
| Multi-location/single-pole 120V 600W | MAELV-600- XX ² |
| Multi-location/single-pole 120V 600W | MSELV-600M- XX ³ |

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

Digital fade dimmers*

| | |
|---------------------------------------|--------------------------------------|
| Multi-location/single-pole 120V 6A | MAF-6AM- XX ¹ |
| Multi-location/single-pole 120V 6A | MSCF-6AM- XX ² |
| Multi-location/single-pole 277V 6A | MAF-6AM-277- XX ¹ |
| Multi-location/single-pole 277V 6A | MSCF-6AM-277- XX ² |

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

For more information on Hi-lume 1% LED drivers, visit www.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*

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

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

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

XX¹: Gloss colors codes, see p. 57
XX²: Satin Colors® codes, see p. 57
 Wallplates not included. Order separately, see p. 236

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

* **Requires neutral wire connection**

** Minimum load required, see specification submittal

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

Timers

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

| | |
|----------------------|--------------------------------|
| Single-pole | MA-T51- XX ¹ |
| 120V 5A light 3A fan | |

| | |
|------------------------------|----------------------------------|
| Multi-location/single-pole** | MA-T51MN- XX ¹ |
| 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, fluorescents, CFLs, LEDs, and general purpose fans.

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

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

| | |
|----------------------|----------------------------------|
| Single-pole | MA-T530G- XX ² |
| 120V 5A light 3A fan | |

Rated for: incandescent/halogen, magnetic low-voltage, and general purpose fans.

XX¹: Gloss and Satin Colors® codes, see p.57

XX²: Available in Gloss White (WH), Ivory (IV), Almond (AL), Light Almond (LA)

Wallplates not included. Order separately, see p.236

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

* Minimum load required, see specification submittal

** **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 dimmers (two loads)*

| | |
|---------------------------|---------------------------------|
| Single-pole | MA-L3L3- XX ¹ |
| 120V 300W dimmer (top) | |
| Incandescent/halogen | |
| 120V 300W dimmer (bottom) | |
| Incandescent/halogen | |

Incandescent/halogen dimmer and switch

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

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

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

XX¹: Gloss and Satin Colors® codes, see p. 57
Wallplates not included. Order separately,
see p. 236

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

*Minimum load required, see specification submittal

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-**XX**!

120V 300W dimmer (top)

Incandescent/halogen

2.5A light/fan timer switch (bottom)

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

XX!: Gloss and Satin Colors® codes, see p. 57

Wallplates not included. Order separately,
see p. 236

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

*Minimum load required, see specification submittal

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 Maestro 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 120V | MA-R- XX ¹ |
| Companion dimmer 120V | MSC-AD- XX ² |
| Companion dimmer 277V | MA-R-277- XX ¹ |
| Companion dimmer 277V | MSC-AD-277- XX ² |

Companion controls

Companion switches

| | |
|--------------------------|------------------------------------|
| Companion switch 120V | MA-AS- XX ¹ |
| Companion switch 120V | MSC-AS- XX ² |
| Companion switch 277V | MA-AS-277- XX ¹ |
| Companion switch 277V | MSC-AS-277- XX ² |

XX¹: Gloss color codes, see p. 57

XX²: Satin Colors codes, see p. 57

Wallplates not included. Order separately,
see p. 236

Dimmer sensors



- Passive infrared (PIR) sensor with Lutron exclusive XCT™ technology
- C·L® dimmer sensor provides reliable dimming of dimmable CFLs/LEDs, 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. 55

Incandescent/halogen dimmers Dimmable CFL/LED (screw-base) dimmers

Digital fade C·L® dimmer occupancy/vacancy sensor *

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED lamps, and how 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**¹
single-pole
120V 600W (Inc) 150W (CFL/LED)

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.
Adjustable low-end trim.

XX¹: Gloss and Satin Colors® codes, see p. 57

Wallplates not included. Order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

All models must be derated if ganged unless otherwise noted, see pp.250–252 and 254.

* Minimum load required, see specification submittal

** Works with standard mechanical 3-way switch

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

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

3-way*/ single-pole MS-Z101-**XX**¹
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 ballast/driver manufacturer for specific ballast/driver current draw to determine maximum number of ballasts/drivers per control.

Compatible with any IEC 60929 Annex E compliant ballast or driver, available from many manufacturers (check for IEC 60929 compliance on the specification of the designed ballast or driver, 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**¹
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 ballast/driver manufacturer for specific ballast/driver current draw to determine maximum number of ballasts/drivers per control.

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

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 57

Wallplates not included, order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.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. 63

Switches

Single-circuit PIR occupancy/vacancy sensor switches

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

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

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

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 57

Wallplates not included, order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

* Ground connection required

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

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

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

No derating required if ganged.

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

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

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

No derating required if ganged.

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

| | |
|---|-----------------------------------|
| Single-pole | MS-A102-V- XX ¹ |
| 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- XX ¹ |
| 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, fluorescents, CFLs, LEDs, general purpose fans, and motor loads.

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 57

Wallplates not included, order separately,
see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

* Ground connection required

** 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**¹

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

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

No derating required if ganged.

Dual-circuit PIR partial-on sensor switch

Single-pole MS-PPS6-DDV-**XX**¹

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

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

No derating required if ganged.

Dual-circuit dual-technology occupancy sensor switches

Single-pole MS-A202-**XX**¹

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

3-way[†]/single-pole* MS-B202-**XX**¹

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

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

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 57

Wallplates not included, order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

* **Requires neutral wire connection**

† Works with standard mechanical 3-way switch

Digital fan controls



- Multi-location, fan only
- Controls up to four fans
- One canopy module included; order one canopy module (CM-FQ1) for each additional fan controlled, see p. 71
- 7-quiet fan speeds, plus off
- Designed to prevent motor hum
- Models may be used with up to two companion fan controls (MA-ALFQ4-).

Fan controls

Digital fan control—quiet 7-speed and one canopy module (fan-mounted)

| | |
|----------------------------|----------------------------------|
| Multi-location/single-pole | MA-FQ4FM- XX ¹ |
| 120V 4 A (1 A per fan) | |

No derating required if ganged.

Digital fan control – quiet 7-speed, one canopy module (fan-mounted), and one companion fan control

| | |
|----------------------------|--------------------------------|
| Multi-location/single-pole | MA-FQ3- XX ¹ |
| 120V 4 A (1 A per fan) | |

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 57

Wallplates not included. Order separately, see p. 236

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

Digital preset fan/light controls

(two loads)



Dimmer (top)

- Tap on to preset light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level

Fan control (bottom)

- Tap on to preset fan speed; tap off
- Touch rocker to adjust fan speed
- 7 quiet fan speeds, plus off, provide enhanced comfort
- Designed to prevent motor hum
- For use with only one fan/light
- Multi-location models may be used with up to two companion fan/light controls (MA-ALFQ35-)

✂ Fan/light controls

Digital preset fan/light control—quiet 7-speed, one canopy module (fan-mounted), and one wallplate

| | |
|------------------------|-------------|
| Single-pole | MA-LFQHW-WH |
| 120V 300W dimmer (top) | |
| Incandescent/halogen | |
| 1 A fan (bottom) | |

No derating required if ganged.

Digital preset fan/light control—quiet 7-speed and one canopy module (fan-mounted)

| | |
|----------------------------|---------------------------------|
| Multi-location/single-pole | MA-LFQM- XX ¹ |
| 120V 300W dimmer (top) | |
| Incandescent/halogen | |
| 1 A fan (bottom) | |

No derating required if ganged.

XX¹: Gloss and Satin Color® codes, see p. 57

Wallplates not included. Order separately, see p. 236

Canopy modules

(fan-mounted)



- For use only in multi fan applications with MA-FQ4FM; see p. 69
- Order one canopy module for each additional fan controlled
- Use up to three additional fan-mounted canopy modules for up to four fans total (controlled as one group)

Fan controls

Canopy modules (fan-mounted)

| | |
|---------------|--------|
| Canopy module | CM-FQ1 |
| 120V 1A | |

All Maestro fan controls and fan/light controls include one canopy module for control of one fan.

Companion fan control



- For use with multi-location control; use up to two companion fan controls with one Maestro digital fan control

Companion fan/light control



- For use with multi-location control; use up to two companion controls with one Maestro multi-location fan/light control (MA-LFQM)

✂ Fan control

Companion fan control

| | |
|-----------------------|---------------------------------|
| Companion fan control | MA-AFQ4- XX ¹ |
| 120V | |

Use up to two wall-mounted companion fan controls with one MA-FQ4FM or MIR-FQ4FM- for multi-location fan control.

✂ Fan control

Companion fan/light control

| | |
|-----------------------------|-----------------------------------|
| Companion fan/light control | MA-ALFQ35- XX ¹ |
| 120V | |

Use up to two wall-mounted controls with only one Maestro multi-location fan/light control.

XX¹: Gloss and Satin Color® codes, see p. 57

Wallplates not included. Order separately, see p. 236

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 www.lutron.com/applicationnotes:

#124 – Maestro Family

#459 – Maestro C•L Dimmer

#461 – Maestro In-wall Sensors

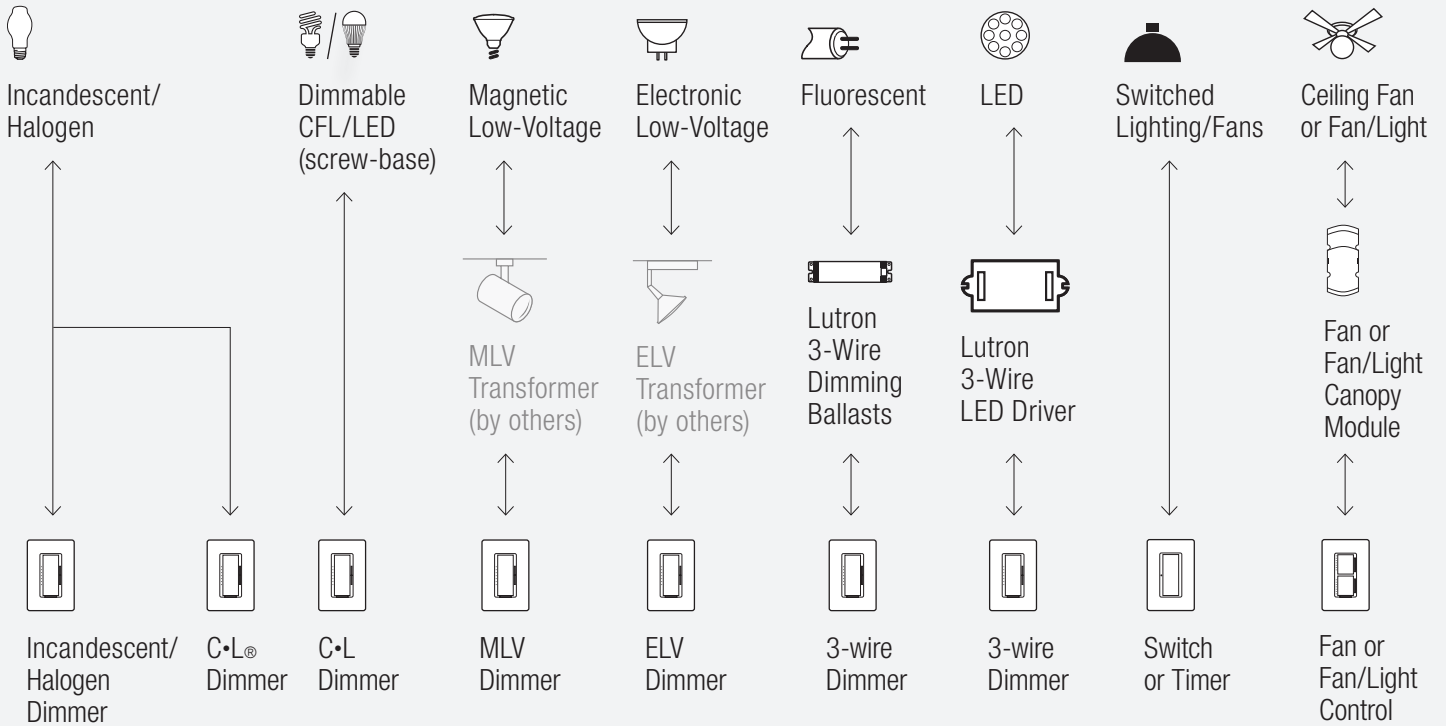
#489 – Maestro Dual-Circuit Sensor Switches

#504 – Maestro Dual-Technology Sensor Switches

#536 – Maestro 0–10V Dimmer Sensors

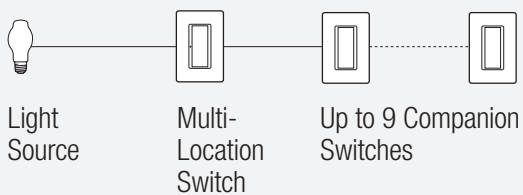
Connections overview

Load connections*

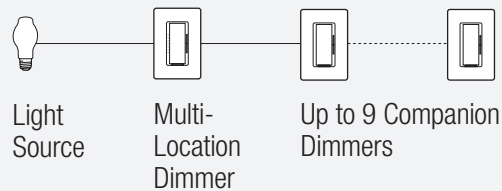


Control types (for 2 or more locations)

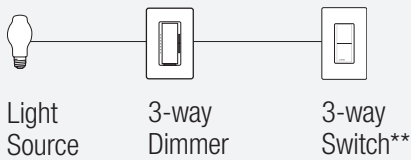
Switch from multiple locations (up to 10)



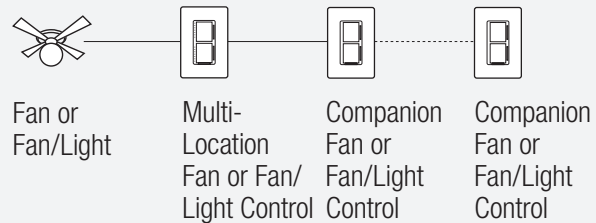
Dim from multiple locations (up to 10)



Dim from one location, switch from others



Fan or fan/light control from up to 3 locations



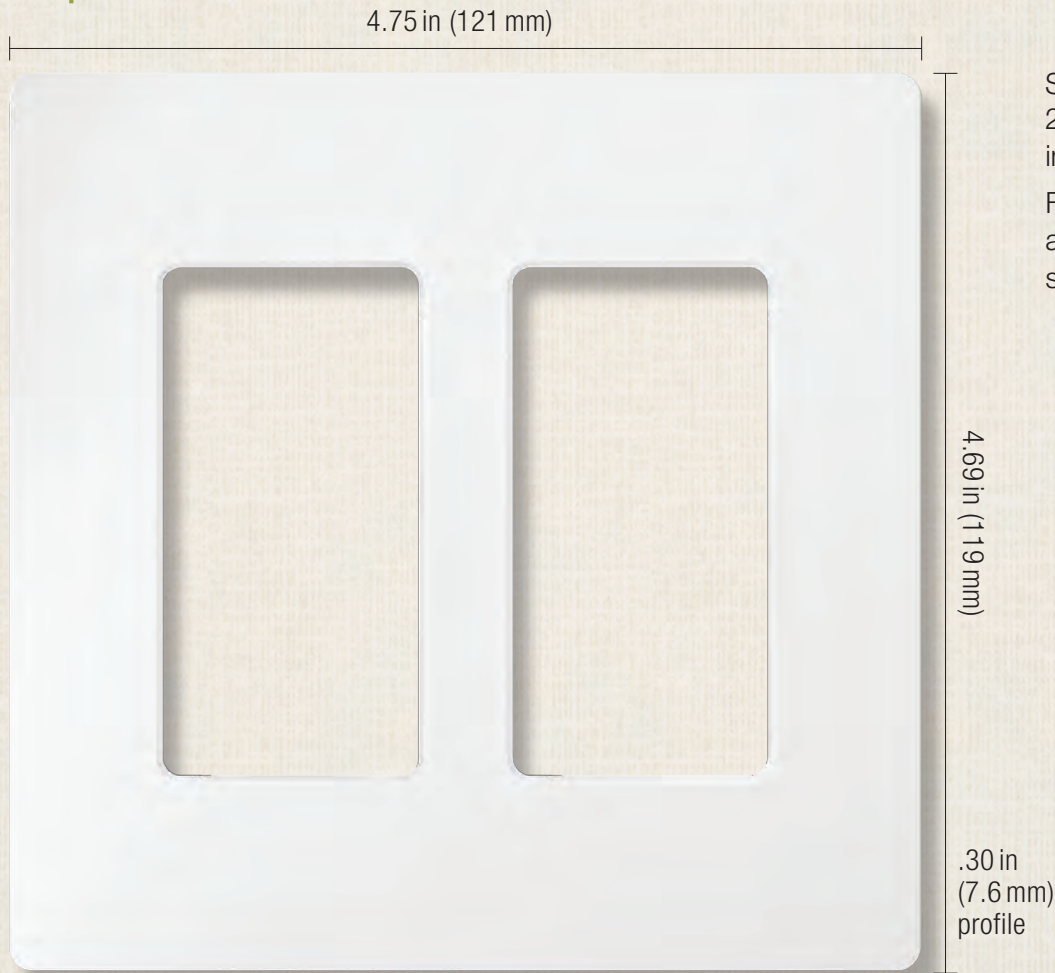
** For 3-way control, use 3-way dimmer with mechanical 3-way switch

For load connection and control type information for Maestro wallbox occupancy/vacancy sensors, see p. 195

For more information on LED drivers, visit www.lutron.com/LED.
*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 p. 236.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle

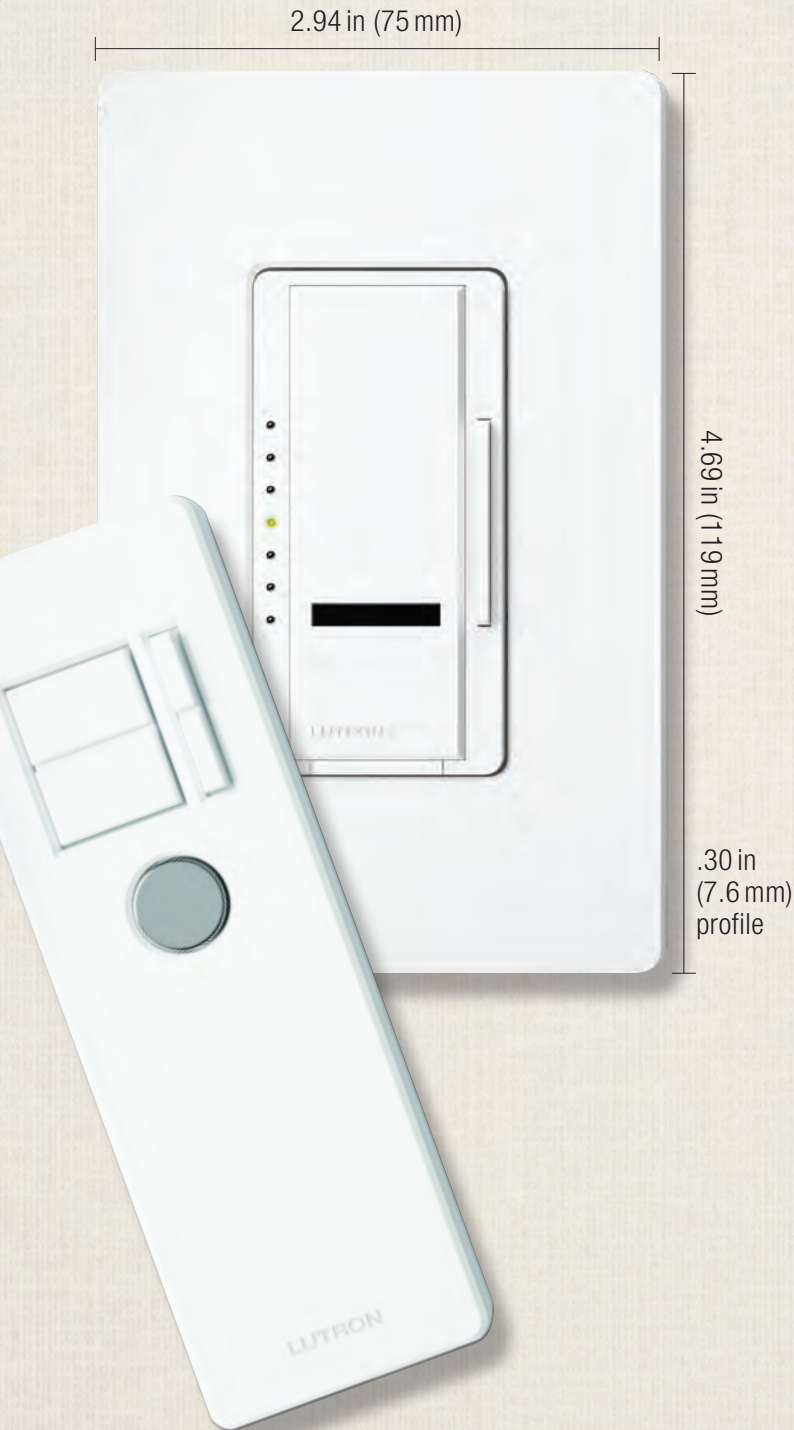


Customizable 6-port frame



Cable jack


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




Product family features






- True multi-location dimming from every location
- Use the infrared (IR) remote control to adjust lights from anywhere in the room—up to 30 ft line-of-sight
- 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 as a locator light
- Delayed off provides light as you exit the room
- Programming allows customized functions
- Coordinating Claro®, Satin Colors®, and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates; see p. 237

Control types

 Single-pole (one location)

 Multi-location dimming (up to 10 locations)

Direct load type compatibility

-  Incandescent/halogen lighting
-  Magnetic low-voltage lighting
-  Electronic low-voltage lighting
-  Ceiling fan controls
-  Ceiling fan/light controls

Lighting load interfaces are not compatible with this family.

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

Shown actual size: IR transmitter in White (WH),
W: 1.5 in (38.1 mm) x H: 4.625 in (117.5 mm) x
D: .55 in (14 mm).

Available finishes

Use **BOLD** color code in model number (Example: MIR-600-**LS**)

Gloss finishes*



WH White **LA** Light Almond **AL** Almond **IV** Ivory **GR** Gray **BR** Brown **BL** Black

Satin Colors® finishes*



SW Snow **LS** Limestone **BI** Biscuit **ES** Eggshell **PD** Palladium **TP** Taupe **ST** Stone



BG Bluestone **PL** Plum **SG** Sea Glass **TQ** Turquoise **GS** Goldstone **DS** Desert Stone **GB** Greenbriar

Metal finish wallplate**



MS Mocha Stone **TC** Terracotta **SI** Sienna **HT** Hot **MR** Merlot **MN** Midnight **SS** Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel 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 p. 236.

Remote control digital fade dimmers



- Provides true dimming from each location (with companion dimmers)
- Tap on to preset level; tap off
- Touch rocker to adjust light level
- Tap twice for full on
- Press, hold and release for gradual fade-to-off

Incandescent/halogen dimmers

Remote control digital fade dimmers*

| | |
|------------------------------|-----------------------------------|
| Single-pole 120V 600W | MIR-600- XX ¹ |
| Single-pole 120V 1000W | MIR-1000- XX ¹ |
| Multi-location 120V 600W | MIR-600M- XX ¹ |
| Multi-location 120V 1000W | MIR-1000M- XX ¹ |

Remote control digital fade dimmers* with IR remote control

| | |
|------------------------------|------------------------------------|
| Single-pole 120V 600W | MIR-600T- XX ¹ |
| Single-pole 120V 1000W | MIR-1000T- XX ¹ |
| Multi-location 120V 600W | MIR-600MT- XX ¹ |
| Multi-location 120V 1000W | MIR-1000MT- XX ¹ |

Remote control digital fade dimmer*, IR remote control and wallplate

| | |
|--------------------------|------------------------------------|
| Single-pole 120V 600W | MIR-600THW- XX ² |
|--------------------------|------------------------------------|

Remote control digital fade dimmer*, IR remote control, companion dimmer, and two wallplates

| | |
|-----------------------------|------------------------------------|
| Multi-location 120V 600W | MIR-603THW- XX ² |
|-----------------------------|------------------------------------|

Magnetic low-voltage dimmers

Remote control digital fade dimmers*

| | |
|--------------------------------------|-------------------------------------|
| Single-pole 120V 600VA (450W) | MIRLV-600- XX ¹ |
| Single-pole 120V 1000VA (800W) | MIRLV-1000- XX ¹ |
| Multi-location 120V 600VA (450W) | MIRLV-600M- XX ¹ |
| Multi-location 120V 1000VA (800W) | MIRLV-1000M- XX ¹ |

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

Remote control digital fade dimmers**

| | |
|-----------------------------|-------------------------------------|
| Single-pole 120V 600W | MIRELV-600- XX ¹ |
| Multi-location 120V 600W | MIRELV-600M- XX ¹ |

XX¹: Gloss and Satin Colors® codes, see p. 77

XX²: Gloss color codes, see p. 77

Wallplates not included. Order separately, see p. 236

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

* Minimum load required, see specification submittal

** Requires neutral wire connection

Companion dimmers



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

Companion controls

Companion dimmer

| | |
|--------------------------|--------------------------------|
| Companion dimmer 120V | MA-R- XX ¹ |
| Companion dimmer 120V | MSC-AD- XX ² |

Remote control digital fan controls



- Multi-location, fan only
- Controls up to four fans
- One canopy module included; order one canopy module (CM-FQ1) for each additional fan controlled
- 7 quiet fan speeds, plus off
- Designed to prevent motor hum
- Models may be used with up to two companion fan controls (MA-ALFQ4-).

Fan controls

Remote control digital fan control—quiet 7-speed and canopy module (fan-mounted)

| | |
|--|-----------------------------------|
| Multi-location/single-pole 120V 4 A (1 A per fan) | MIR-FQ4FM- XX ³ |
|--|-----------------------------------|

No derating required if ganged.

Remote control digital fan control—quiet 7-speed, canopy module (fan-mounted), and IR remote control

| | |
|--|------------------------------------|
| Multi-location/single-pole 120V 4 A (1 A per fan) | MIR-FQ4FMT- XX ³ |
|--|------------------------------------|

No derating required if ganged.

XX¹: Gloss color codes, see p. 77
XX²: Satin Colors codes, see p. 7
XX³: Gloss and Satin Colors® codes, see p. 77
 Wallplates not included. Order separately, see p. 236

Remote control digital fan/light controls

(two loads)



Dimmer (top)

- Tap on to preset light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level

Fan control (bottom)

- Tap on to preset fan speed; tap off
- Touch rocker to adjust light level or fan speed
- 7 quiet fan speeds, plus off provide enhanced comfort
- Designed to prevent motor hum
- For use with only one fan/light
- Multi-location model may be used with up to two companion fan/light controls (MA-ALFQ35-).

Canopy module

(fan-mounted)



- For use in multi-fan applications with MIR-FQ4FMT or MIR-FQ4FM-
- Order one canopy module for each additional fan controlled
- Use up to three additional fan-mounted canopy modules for up to four fans total (controlled as one group)

Fan/light control

Canopy module (fan-mounted)

| | |
|---------------|--------|
| Canopy module | CM-FQ1 |
| 120V 1A | |

All Maestro fan and fan/light controls include one canopy module for control of one fan.

Fan/light controls

Remote control digital fan/light control—
quiet 7-speed, canopy module (fan-mounted),
and IR remote control

| | |
|--|-----------------------------------|
| Multi-location/single-pole 120V 300W dimmer (top) Incandescent/halogen 1 A fan (bottom) | MIR-LFQMT- XX ¹ |
|--|-----------------------------------|

No derating required if ganged.

Remote control digital fan/light control—
quiet 7-speed, canopy module (fan-mounted),
and IR remote control, and wallplate

| | |
|---|------------------------------------|
| Single-pole 120V 300W dimmer (top) Incandescent/halogen 1 A fan (bottom) | MIR-LFQTHW- XX ² |
|---|------------------------------------|

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 77

XX²: Gloss color codes, see p. 77

Wallplates not included. Order separately,
see p. 236

Companion fan control



- For use with multi-location control; use up to two companion fan controls with one Maestro IR digital fan control

Companion control

Companion fan control

| | |
|-----------------------|----------------------|
| Companion fan control | MA-AFQ4- XX ' |
|-----------------------|----------------------|

120V

Use up to two wall-mounted companion fan controls with one MA-FQ4FM or MIR-FQ4FM for multi-location fan control.

Companion fan/light control



- For use with multi-location control; use up to two companion controls with one Maestro multi-location fan/light control (MA-LFQM)

Companion control

Companion fan/light control

| | |
|-----------------------------|------------------------|
| Companion fan/light control | MA-ALFQ35- XX ' |
|-----------------------------|------------------------|

120V

Use up to two wall-mounted controls with only one Maestro multi-location fan/light control.

XX': Gloss and Satin Colors® codes, see p.77
Wallplates not included. Order separately,
see p. 236

Light IR remote control



- Press and hold silver button to save your favorite light setting; press silver button to recall the preset light setting
- Touch rocker to adjust light level
- Works with most learning remote controls
- IR controls must be within 30 ft line-of-sight to IR receiver
- IR frequency is 40 kHz
- Batteries included

Fan IR remote control



- Press and hold silver button to save your favorite fan setting; press silver button to recall the preset fan setting
- Touch rocker to adjust fan speed
- Works with most learning remote controls
- IR controls must be within 30 ft line-of-sight to IR receiver
- IR frequency is 40 kHz
- Batteries included

Companion control

Light IR remote control

| | |
|-----------------------------------|-------------|
| IR remote control (light only) | MIR-ITFS-WH |
|-----------------------------------|-------------|

Companion control

Fan IR remote control

| | |
|---------------------------------|---------------|
| IR remote control (fan only) | MIR-ITFS-F-WH |
|---------------------------------|---------------|

Fan/light IR remote control



- Press and hold top silver button to save your favorite light setting; press top silver button to recall the preset light setting
- Press and hold bottom silver button to save your favorite fan setting; press bottom silver button to recall the preset fan setting
- Touch rockers to adjust light level or fan speed
- IR controls must be within 30 ft line-of-sight to IR receiver
- IR frequency is 40 kHz
- Batteries included

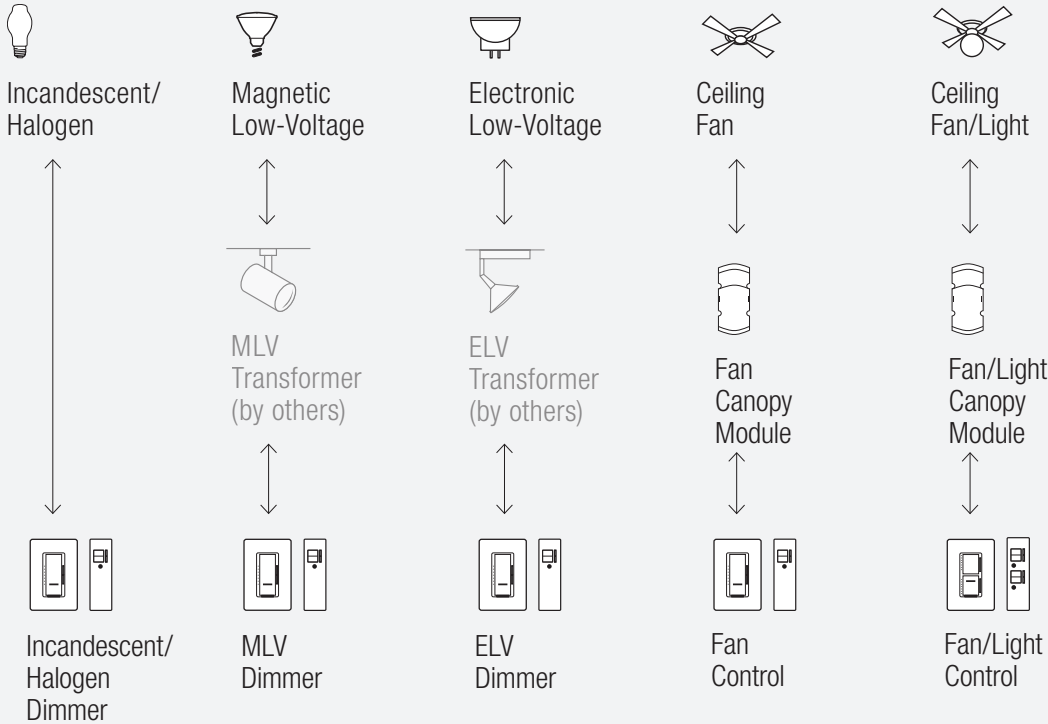
Companion control

Fan/light IR remote control

| | |
|----------------------------------|----------------|
| IR remote control (fan/light) | MIR-ITFS-LF-WH |
|----------------------------------|----------------|

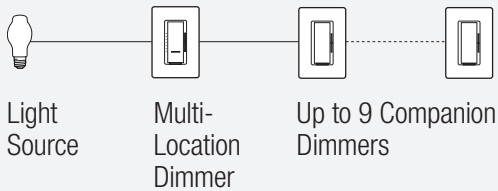
Connections overview

Load connections*

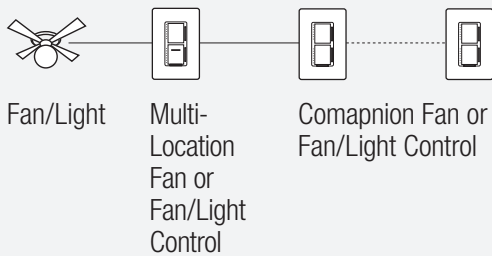


Control types (for 2 or more locations)

Dim from multiple-locations (up to 10)



Fan or fan/light control from up to 3 locations

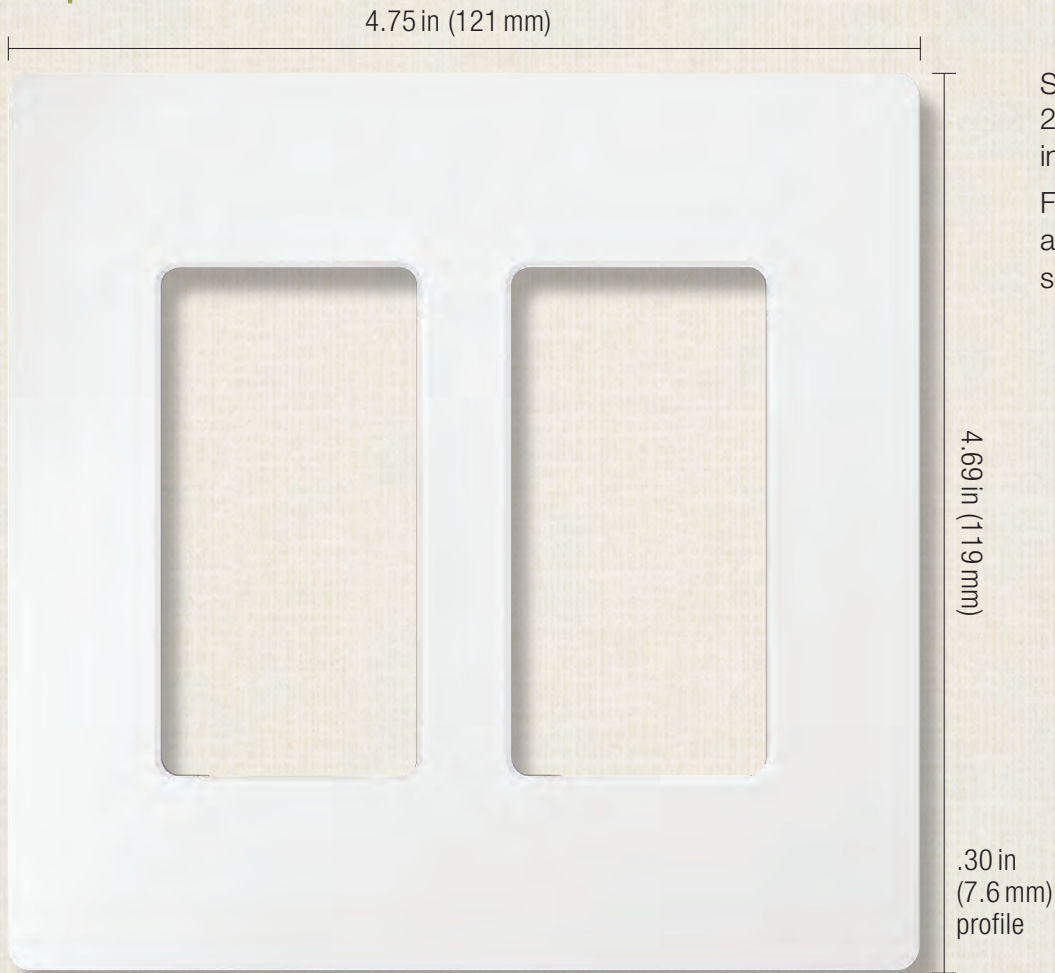


*For illustration purposes only.

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 p. 236.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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



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® and eco-dim® models available**
- Coordinating Claro®, Satin Colors®, and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates; see p. 237

Control types

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

Direct load type compatibility

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

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. 255–259.

* 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 finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Satin Colors® finishes*



SW
Snow



LS
Limestone



BI
Biscuit



ES
Eggshell



PD
Palladium



TP
Taupe



ST
Stone



BG
Bluestone



PL
Plum



SG
Sea Glass



TQ
Turquoise



GS
Goldstone



DS
Desert Stone



GB
Greenbriar

Metal finish wallplate**



MS
Mocha Stone



TC
Terracotta



SI
Sienna



HT
Hot



MR
Merlot



MN
Midnight



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel 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 p. 236

Dimmers



- Paddle turns on/off
- Slide up to brighten, down to dim
- **C•L®** dimmers provide reliable dimming of dimmable CFLs/LEDs, as well as halogens and incandescents
- **eco-dim®** model guarantees at least 15% energy savings compared to a standard switch*
- Locator light shines through paddle on select lighter colored models





Incandescent/halogen dimmers

/ Dimmable CFL/LED (screw-base) dimmers

150W C•L dimmers

| | |
|--------------------------------|-------------------------------------|
| 3-way/single-pole | DVCL-153P- XX ¹ |
| 120V 600W (Inc) 150W (CFL/LED) | |
| 3-way/single-pole | DVSCCL-153P- XX ² |
| 120V 600W (Inc) 150W (CFL/LED) | |

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.
Adjustable low-end trim.

-  **Incandescent/halogen dimmers**
-   **Dimmable CFL/LED (screw-base) dimmers**
-  **Hi-Lume® 1% 2-wire LED driver dimmers**

250W C•L dimmers

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.
Adjustable low-end trim.

Incandescent/halogen dimmers

Dimmers

| | |
|-------------|-----------------------------------|
| Single-pole | DV-600P- XX ¹ |
| 120V 600W | DVSC-600P- XX ² |
| Single-pole | DV-10P- XX ¹ |
| 120V 1000W | DVSC-10P- XX ² |
| 3-way | DV-603P- XX ¹ |
| 120V 600W | DVSC-603P- XX ² |
| 3-way | DV-103P- XX ¹ |
| 120V 1000W | DVSC-103P- XX ² |

eco-dim® dimmer

| | |
|-------------------|----------------------------------|
| 3-way/single-pole | DV-603PG- XX ³ |
| 120V 600W | |

XX¹: Gloss color codes, see p. 87

XX²: Satin Colors® codes, see p. 87

XX³: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)

Wallplates not included. Order separately, see p. 236

All models must be derated if ganged unless otherwise noted, see pp. 250–252 and 254.

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

 **Magnetic low-voltage dimmers**

Dimmers

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

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**

Dimmers*

| | |
|-------------|--------------------------------------|
| Single-pole | DVELV-300P- XX ¹ |
| 120V 300W | DVSCELV-300P- XX ² |
| 3-way | DVELV-303P- XX ¹ |
| 120V 300W | DVSCELV-303P- XX ² |

XX¹: Gloss color codes, see p.87
XX²: Satin Colors® codes, see p.87

Wallplates not included. Order separately, see p.236

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

* **Requires neutral wire connection**

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

Dimmers*

| | |
|-------------------|---------------------------------------|
| 3-way/single-pole | DVF-103P- XX ¹ |
| 120V 8A | DVSCF-103P- XX ² |
| 3-way/single-pole | DVF-103P-277- XX ¹ |
| 277V 6A | DVSCF-103P-277 XX ² |

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

For more information on Hi-lume 1% LED drivers, visit www.lutron.com/hilumeLED.

No derating required if ganged.

Adjustable low-end trim.

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

Dimmers*

| | |
|-----------------------------------|---------------------------------|
| 3-way/single-pole | DVSTV- XX ¹ |
| 120–277V 50mA max control current | |
| 3-way/single-pole | DVSCSTV- XX ² |
| 120–277V 50mA max control current | |

No power pack required.

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

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

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

No derating required if ganged.

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

Dimmers*

| | |
|--|--------------------------------|
| Single-pole 30 mA max control current | DDTV- XX ¹ |
| Single-pole 30 mA max control current | DVSCTV- XX ² |

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

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

Compatible with any IEC 60929 Annex E compliant ballast or driver, available from many manufacturers (check for IEC 60929 compliance on the specification of the designed ballast or driver, 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- XX ¹ DVSCFTU-5A3P- XX ² |
|------------------------------|--|

Also compatible with Advance Mark X ballasts; for further information visit www.lutron.com/advance.

For information on use with Sylvania POWERSENSE ballasts, contact Technical Support at 1.800.523.9466.

XX¹: Gloss color codes, see p. 87
XX²: Satin Colors® codes, see p. 87
Wallplates not included. Order separately, see p. 236

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

Fan controls



- Paddle turns 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
- Does not include locator light
- Designed to prevent motor hum

General purpose switches

Mechanical switches

| | |
|-----------------------------|--|
| Single-pole 120/277V 15A | CA-1PS- XX ¹ SC-1PS- XX ² |
| 3-way 120/277V 15A | CA-3PS- XX ¹ SC-3PS- XX ² |
| 4-way 120/277V 15A | CA-4PS- XX ¹ SC-4PS- XX ² |

Mechanical switches with locator light

| | |
|-------------------------|--|
| Single-pole 120V 15A | CA-1PSNL- XX ³ SC-1PSNL- XX ⁴ |
| 3-way 120V 15A | CA-3PSNL- XX ³ SC-3PSNL- XX ⁴ |
| 4-way 120V 15A | CA-4PSNL- XX ³ SC-4PSNL- XX ⁴ |

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

No derating required if ganged.

Fan controls

Fan controls—quiet 3-speed

| | |
|--------------------------------|--|
| 3-way/single-pole 120V 1.5A | DVFSQ-F- XX ¹ DVSCFSQ-F- XX ² |
| 3-way/single-pole 120V 2A | DVFSQ-F-HO- XX ¹ |

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

Does not include built-in locator light.

No derating required if ganged.

XX¹: Gloss color codes, see p. 87

XX²: Satin Colors® codes, see p. 87

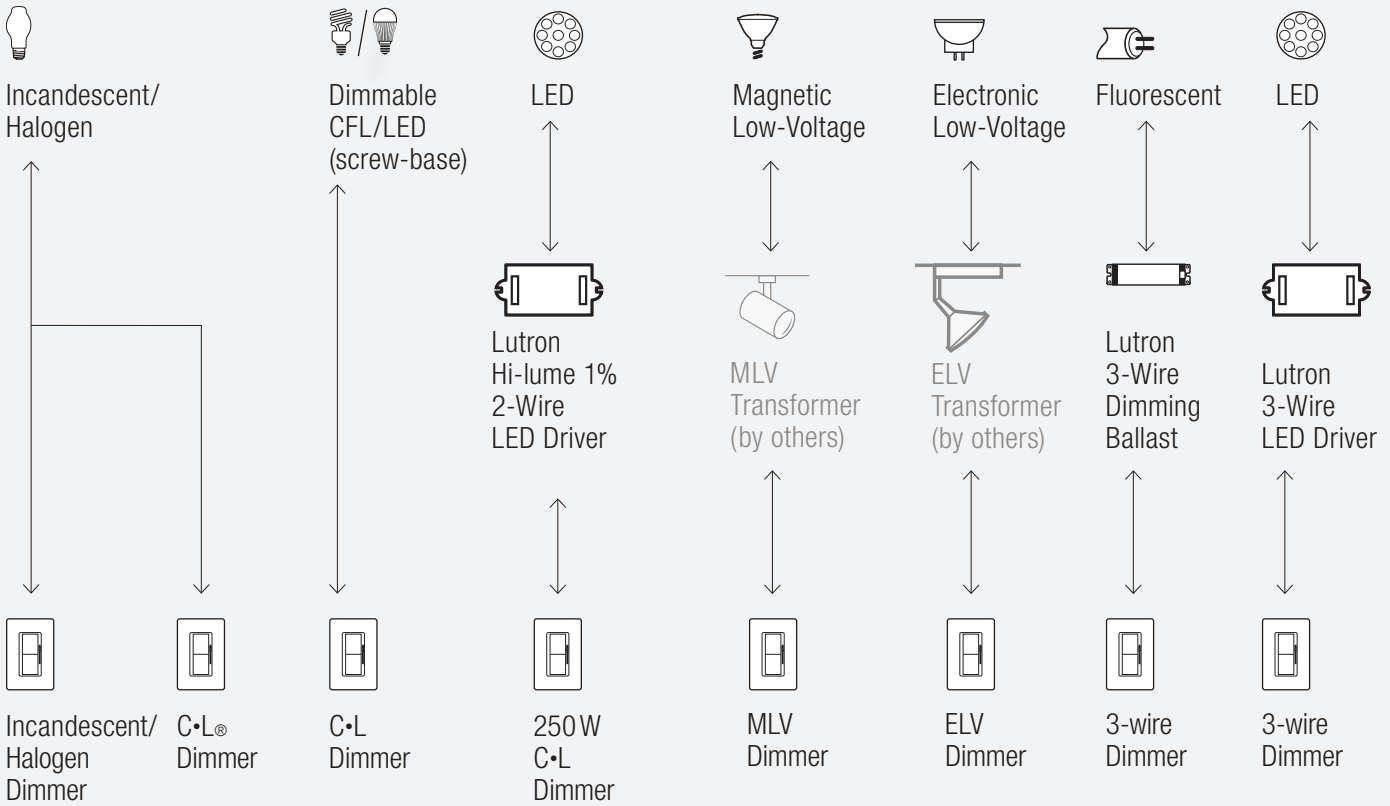
XX³: Only available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)

XX⁴: Available in Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), Sea Glass (SG) and Snow (SW)

Wallplates not included. Order separately, see p. 236

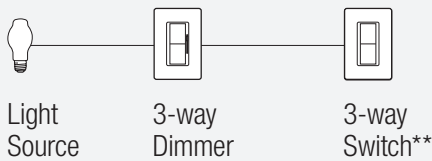
Connections overview

Load connections*

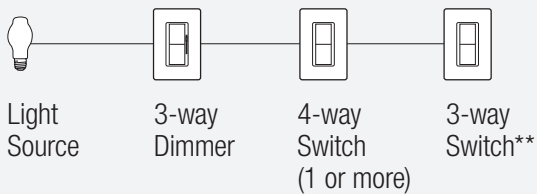
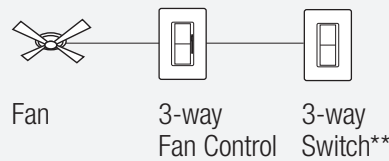


Control types (for 2 or more locations)

Dim from one location, switch from the others



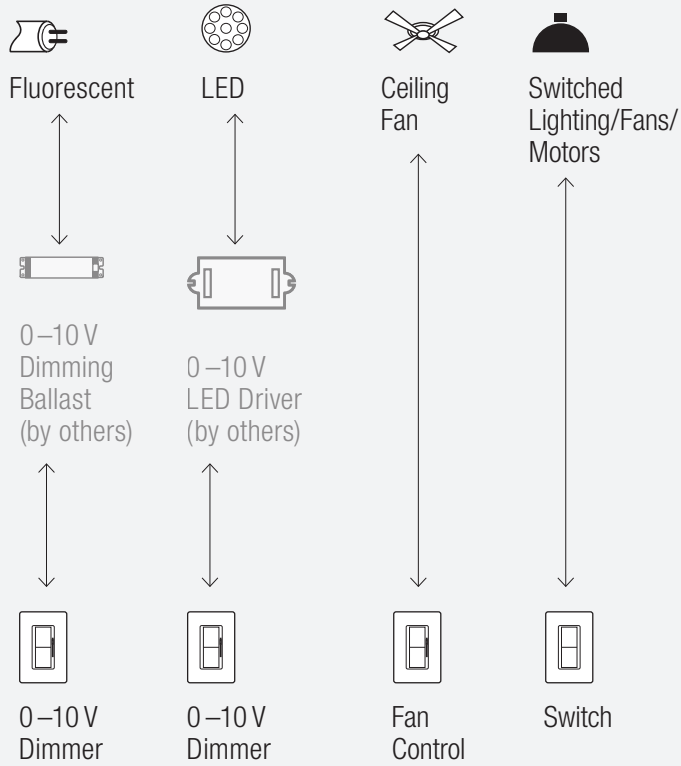
Fan control from one location, switch from the other



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

For more information on LED drivers, visit www.lutron.com/LED.
*For illustration purposes only. Consult model number pages for specific voltage and capacity information.

Load connections* (continued)



Accessories

Wallplates



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

For more information
about Designer wallplates,
see p. 236.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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



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® and eco-dim® models available
- Coordinating Claro® wallplates only available separately
- Custom engraving available for wallplates; see p. 237

Control types

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

Direct load type compatibility

- 💡 Incandescent/halogen lighting
- 💡💡 Dimmable CFL/LED lighting (screw-base)
- 💡 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 finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Metal finish wallplates**



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p.236.

** Stainless Steel wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see p.236

Dimmers with on/off switch



- Rocker switch returns light to light level indicated by slider
- C•L® dimmer provides reliable dimming of dimmable CFLs/LEDs, as well as halogens and incandescents
- eco-dim® model guarantees at least 15% energy savings and triples lamp life compared to a standard switch*

Incandescent/halogen dimmer

/ Dimmable CFL/LED (screw-base) dimmer

C•L dimmer with on/off switch

| | |
|--------------------------------|-----------------------------------|
| 3-way/single-pole | CTCL-153P- XX ¹ |
| 120V 600W (Inc) 150W (CFL/LED) | |

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types. Adjustable low-end trim.

Incandescent/halogen dimmers

Dimmer with on/off switch

| | |
|-------------|---------------------------------|
| Single-pole | CT-600P- XX ¹ |
| 120V 600W | |
| 3-way | CT-603P- XX ¹ |
| 120V 600W | |

eco-dim dimmer with on/off switch

| | |
|----------------------------|----------------------------------|
| Multi-location/single-pole | CT-603PG- XX ² |
| 120V 600W | |

Incandescent/halogen dimmer Magnetic low-voltage dimmer

Dimmer with on/off switch

| | |
|-------------------|---------------------------------|
| 3-way/single-pole | CT-103P- XX ¹ |
| 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**

| | |
|-------------------|------------------------------------|
| 3-way/single-pole | CTELV-303P- XX ¹ |
| 120V 300W | |

XX¹: Gloss color codes, see p. 97

XX²: Gloss White (WH), Light Almond (LA), Almond (AL) and Ivory (IV)

Wallplates not included. Order separately, see p. 236

All models must be derated if ganged unless otherwise noted, see pp. 250–252 and 254.

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

** **Requires neutral wire connection**

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

✂ Fan control

Fan control—quiet 3-speed

3-way/single-pole

CTFSQ-F-**XX**!

120V 1.5A

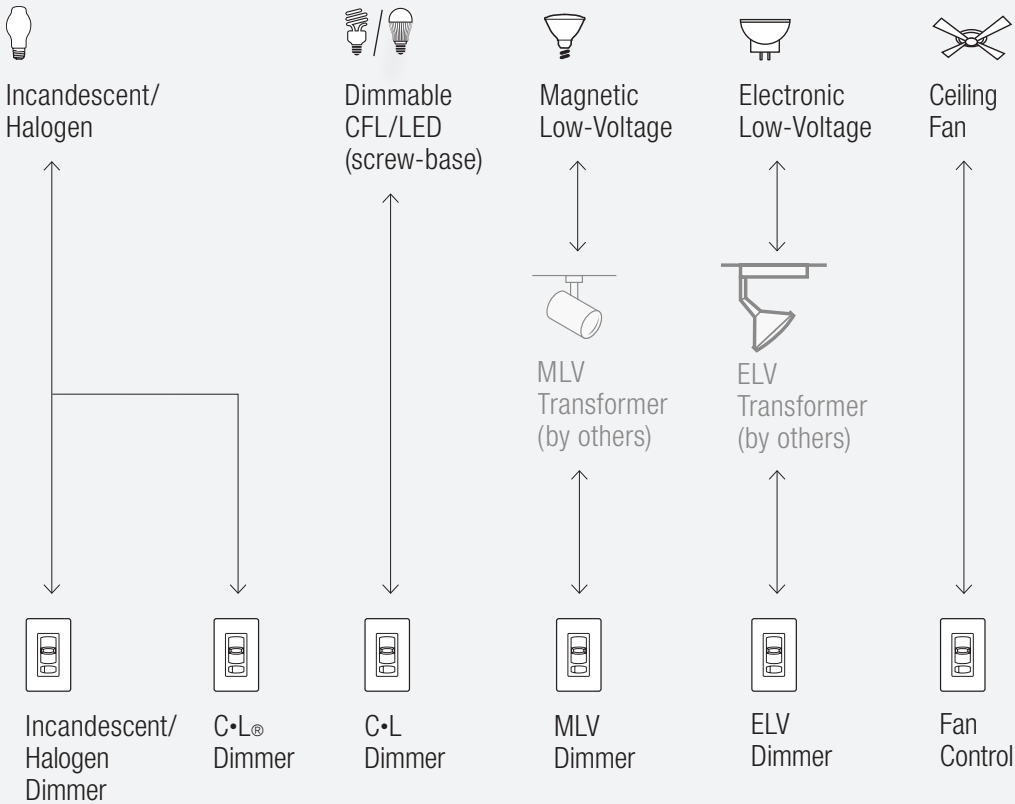
No derating required if ganged.

XX!: Gloss color codes, see p.97

Wallplates not included. Order separately, see p. 256

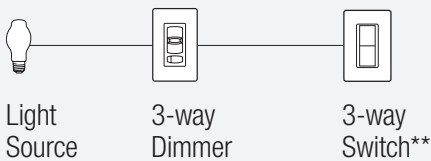
Connections overview

Load connections*

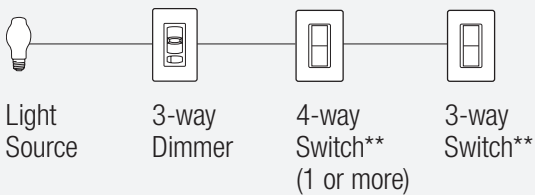
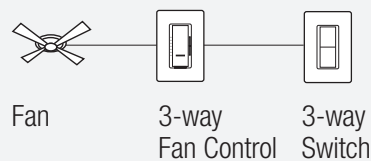


Control types (for 2 or more locations)

Dim from one location, switch from the others



Fan control from one location, switch from the other



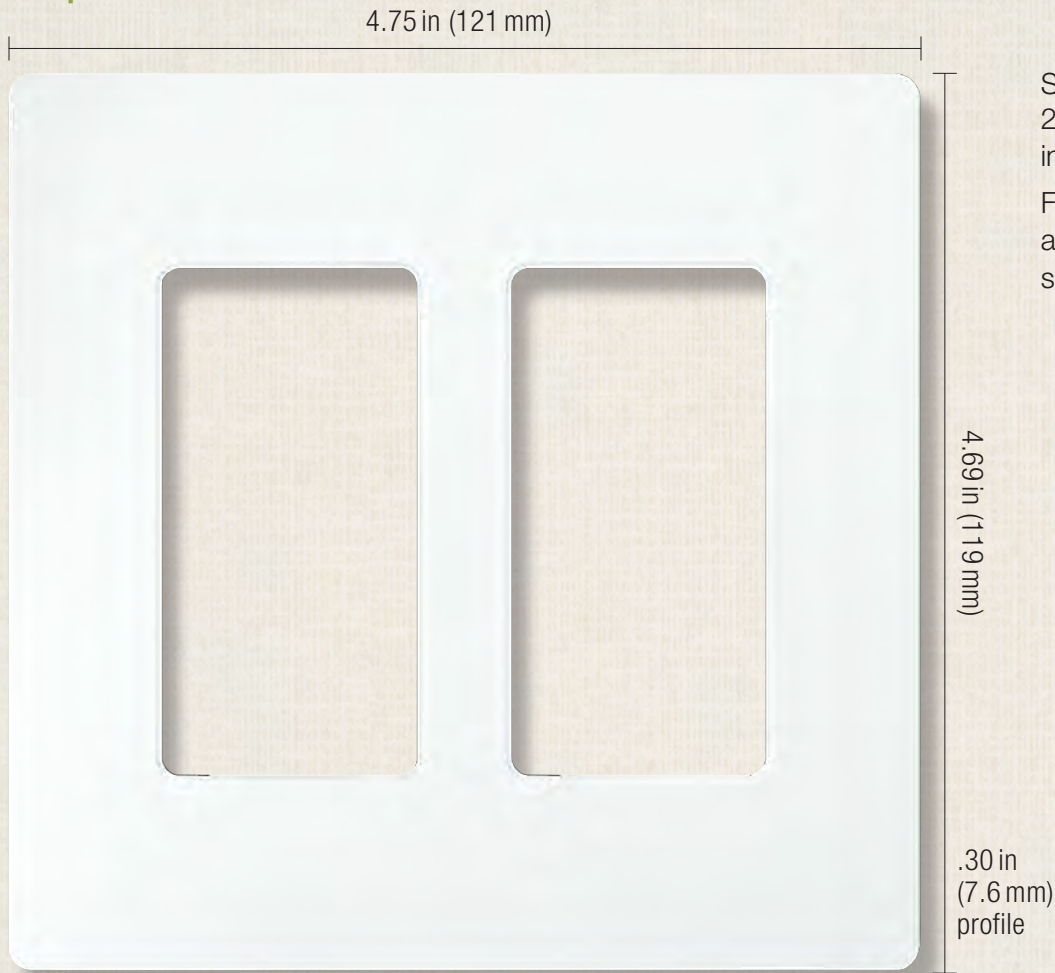
** For 3-way control and 4-way control, use 3-way dimmer/fan control with mechanical 3-way or 4-way switches

For more information on LED drivers, visit www.lutron.com/LED.

*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 p. 236.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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





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. 237

Control types


 Single-pole (one location)


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


Direct load type compatibility

 Incandescent/halogen lighting

 Dimmable CFL/LED lighting (screw-base)


 Magnetic low-voltage lighting

 Electronic low-voltage lighting


 Fluorescent lighting

 LED 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. 255–259.

Available finishes

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

Gloss finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Metal finish wallplates***



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see p. 236

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 CFL/LEDs, as well as halogens and incandescents
- **eco-dim®** model guarantees at least 15% energy savings and triples lamp life compared to a standard switch*

Incandescent/halogen dimmer

/ Dimmable CFL/LED (screw-base) dimmer

C•L dimmer with on/off switch

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFLs/LED bulbs, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Incandescent/halogen dimmers

Dimmers with on/off switch

| | |
|---------------------------|--------------------------------|
| Single-pole 120V 600W | S-600P- XX ¹ |
| Single-pole 120V 1000W | S-10P- XX ¹ |
| 3-way 120V 600W | S-603P- XX ¹ |
| 3-way 120V 1000W | S-103P- XX ¹ |

eco-dim dimmer with on/off switch

| | |
|--------------------------------|---------------------------------|
| 3-way/single-pole 120V 600W | S-603PG- XX ² |
|--------------------------------|---------------------------------|

Magnetic low-voltage dimmers

Dimmers with on/off switch

| | |
|----------------------------------|----------------------------------|
| Single-pole 120V 600VA (450W) | SLV-600P- XX ¹ |
| 3-way 120V 600VA (450W) | SLV-603P- XX ¹ |

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.

XX¹: Gloss color codes, see p. 103

XX²: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)

Wallplates not included. Order separately, see p. 236

All models must be derated if ganged unless otherwise noted, see pp. 250–252 and 254.

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

 **Electronic low-voltage dimmers**

Dimmers with on/off switch*

| | |
|--------------------------|-----------------------------------|
| Single-pole 120V 300W | SELV-300P- XX ¹ |
| 3-way 120V 300W | SELV-303P- XX ¹ |

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

Dimmers with on/off switch*

| | |
|------------------|--------------------------------------|
| 3-way 120V 8A | SF-103P- XX ¹ |
| 3-way 277V 6A | SF-12P-277-3- XX ¹ |

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

For more information on Hi-lume 1% LED drivers, visit www.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- XX ¹ |
|------------------------------|-----------------------------------|

Also compatible with Advance Mark X ballasts; for further information visit www.lutron.com/advance.

For information on use with Sylvania POWERSENSE ballasts, contact Technical Support at 1.800.523.9466.

Slide-to-off dimmers



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

 **Incandescent/halogen dimmers**

Slide-to-off dimmers

| | |
|---------------------------|--------------------------------|
| Single-pole 120V 600W | S-600- XX ¹ |
| Single-pole 120V 1000W | S-1000- XX ¹ |

XX¹: Gloss color codes, see p. 103
Wallplates not included. Order separately, see p. 236

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

***Requires neutral wire connection**

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

Dual slide-to-off dimmer (two loads)



Dimmers (left/right)

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

Incandescent/halogen dimmers

Dimmers with on/off switch and locator light

| | |
|---------------------------|----------------------------------|
| Single-pole 120V 600W | S-600PNL- XX ¹ |
| Single-pole 120V 1000W | S-10PNL- XX ¹ |
| 3-way 120V 600W | S-603PNL- XX ¹ |
| 3-way 120V 1000W | S-103PNL- XX ¹ |

Incandescent/halogen dimmer

Dual slide-to-off dimmer (two loads)

| | |
|---|------------------------------|
| Single-pole 120V 300W dimmer (left) Incandescent/halogen 300W dimmer (right) Incandescent/halogen | S2-L- XX ¹ |
|---|------------------------------|

XX¹: Gloss color codes, see p. 103
Wallplates not included. Order separately,
see p. 236

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

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)

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 controls

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

Single-pole SFSQ-F-**XX**¹

120V 1.5A

Single-pole SFSQ-F-HO-**XX**¹

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-**XX**¹

120V 5A

Control provides an additional wire for switching of 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.

✂ 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**¹

120V 1.5A fan (top)

360W switch (bottom)

Incandescent/halogen

No derating required if ganged.

XX¹: Gloss color codes, see p. 103

Wallplates not included. Order separately, see p. 236

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

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- XX ¹ |
| 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- XX ¹ |
| 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- XX ² |
| Split knobs | contact customer service |

XX¹: Gloss color codes, see p. 103

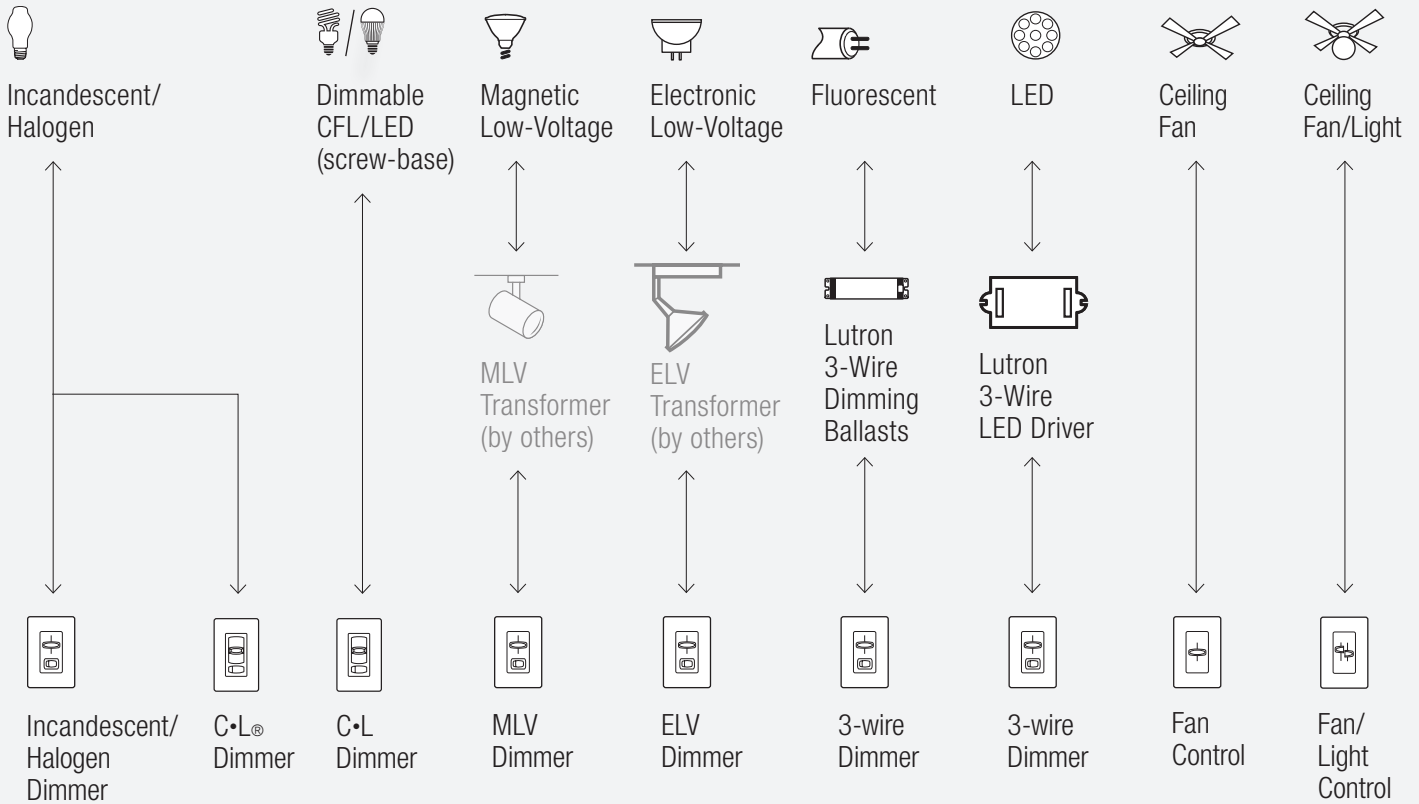
XX²: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)

Wallplates not included. Order separately, see p. 236

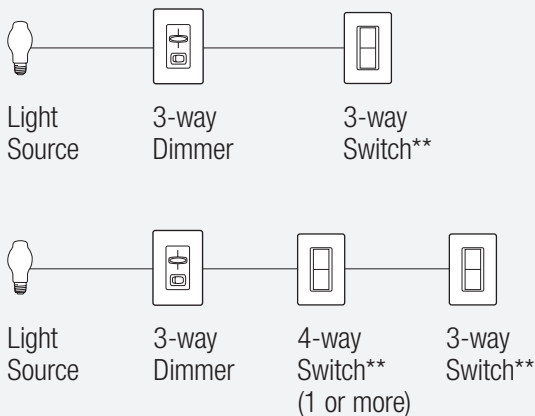
All models must be derated if ganged unless otherwise noted, see pp. 250–252.

Connections overview

Load connections*



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



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

For more information on LED drivers, visit www.lutron.com/LED.
*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 p. 236.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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





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
- Slide 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. 244



Control types

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

Direct load type compatibility

-  Incandescent/halogen lighting
-  Dimmable CFL/LED lighting (screw-base)
-  Magnetic low-voltage lighting
-  Fluorescent lighting
-  LED 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 p. 185.

Available finishes

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

Gloss finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



BR
Brown



BL
Black

Metal finish wallplate**



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 244.

** Stainless Steel wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information see p. 244.

Preset dimmers



- Toggle turns on/off
- Slide up to brighten, down to dim
- C•L® dimmers provide reliable dimming of dimmable CFLs/LEDs, as well as halogens and incandescents
- eco-dim® model guarantees at least 15% energy savings and triples lamp life compared to a standard switch*

Incandescent/halogen dimmer

Dimmable CFL/LED (screw-base) dimmer

150W preset C•L dimmer

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.
Adjustable low-end trim.

Incandescent/halogen dimmer

Dimmable CFL/LED (screw-base) dimmer

Hi-lume® 1% 2-wire LED driver dimmer

250W preset C•L dimmer

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.

Incandescent/halogen dimmers

Preset dimmers

| | |
|---------------------------|---------------------------------|
| Single-pole 120V 600W | AY-600P- XX ¹ |
| Single-pole 120V 1000W | AY-10P- XX ¹ |
| 3-way 120V 600W | AY-603P- XX ¹ |
| 3-way 120V 1000W | AY-103P- XX ¹ |

eco-dim preset dimmer

| | |
|--------------------------------|----------------------------------|
| 3-way/single-pole 120V 600W | AY-603PG- XX ² |
|--------------------------------|----------------------------------|

Magnetic low-voltage dimmers

Preset dimmers

| | |
|----------------------------------|-----------------------------------|
| Single-pole 120V 600VA (450W) | AYLV-600P- XX ¹ |
| 3-way 120V 600VA (450W) | AYLV-603P- XX ¹ |

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.

XX¹: Gloss color codes, see p. 113

XX²: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)

Wallplates not included. Order separately, see p. 244

All models must be derated if ganged, unless otherwise noted, see pp. 253–254.

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

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

Preset dimmers*

| | |
|------------------------------|--------------------------------------|
| 3-way/single-pole 120V 8A | AYF-103P- XX ¹ |
| 3-way/single-pole 277V 6A | AYF-103P-277- XX ¹ |

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

Adjustable low-end trim.

For more information on Hi-lume 1% LED drivers, visit www.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- XX ² |
| Single-pole 1000W | AY-10PNL- XX ² |
| 3-way 120V 600W | AY-603PNL- XX ² |
| 3-way 120V 1000W | AY-103PNL- XX ² |

XX¹: Gloss color codes, see p. 113
XX²: Available in White (WH), Ivory (IV), Almond (AL), Light Almond (LA), and Brown (BR)
 Wallplates not included. Order separately, see p. 244

All models must be derated if ganged, unless otherwise noted, see p. 253.

* **Requires neutral wire connection**

Fan control



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

Fan/light control

(two loads)



Fan control (left)

- Use slide to turn fan on/off and adjust fan speed
- 3 quiet fan speeds designed to prevent motor hum (for use with one ceiling paddle fan)

Dimmer (right)

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

✂ Fan control

Fan control—quiet 3-speed

3-way/single-pole

120V 1.5A

AYFSQ-F-**XX**¹

No derating required if ganged.

✂ Fan/light control

Fan/light control—quiet 3-speed

Single-pole

AY2-LFSQ-**XX**¹

120V 1.5A fan (left)

120V 300W dimmer (right)

Incandescent/halogen

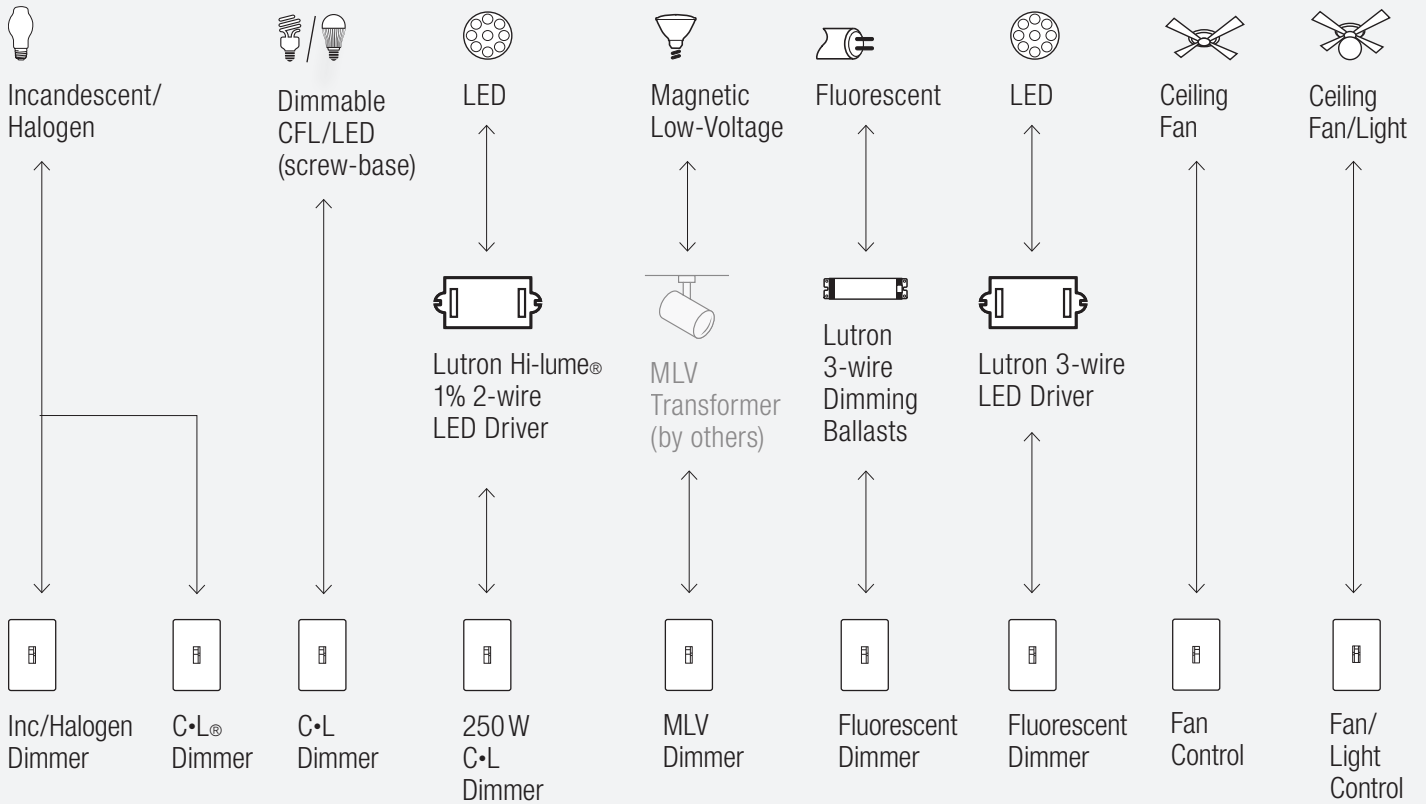
No derating required if ganged.

XX¹: Gloss color codes, see p. 113

Wallplates not included. Order separately, see p. 244

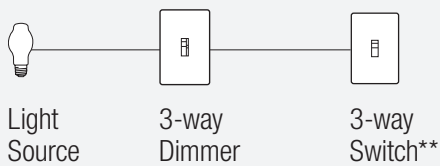
Connections overview

Load connections*

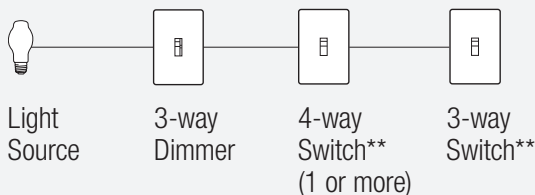
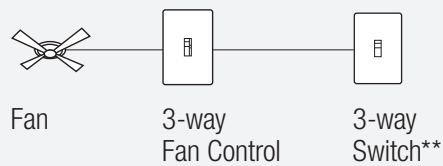


Control types (for 2 or more locations)

Dim from one location, switch from the others



Fan control from one location, switch from the others



For more information on LED drivers, visit www.lutron.com/LED.
***For illustration purposes only.**
 Consult model number pages for specific voltage and capacity information.

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

Accessories

Wallplates

4.67 in (119 mm)



Shown actual size:
2-gang Fassada®
wallplate in White (WH).
For more information
about Traditional wallplates,
see p. 244.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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



Product family features

- Slide adjusts light to desired level
- Coordinating Fassada® wallplates only available separately
- Custom engraving available for wallplates, see p. 244

Control types

- 🔌 Single-pole (one location)

Direct load type compatibility

- 💡 Incandescent/halogen lighting
- 💡 Magnetic low-voltage lighting
- 🌀 Ceiling fans

Lighting load interfaces are not compatible with this family.

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

Available finishes

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

Gloss finishes*



WH
White



IV
Ivory

*Coordinating wallplates only available separately. For wallplate information, see p. 244.

Slide-to-off dimmers



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

Incandescent/halogen dimmers

Slide-to-off dimmers

| | |
|---------------------------|---------------------------------|
| Single-pole 120V 600W | GL-600- XX ¹ |
| Single-pole 120V 1000W | GL-1000- XX ¹ |

Magnetic low-voltage dimmer

Slide-to-off dimmer

| | |
|------------------------------------|---------------------------------|
| Single-pole 120V 600 VA (450 W) | GLV-600- XX ¹ |
|------------------------------------|---------------------------------|

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.

XX¹: Gloss color codes, see p. 121
Wallplates not included. Order separately, see p. 244

All models must be derated if ganged, unless otherwise noted, see p. 253.

Slide-to-off fan control



- Slide up to on/increase speed, down to decrease/off
- For use with multiple ceiling paddle fans or exhaust fans

Replacement knobs

Slide-to-off

GK-**XX**¹

✂ Fan control

Slide-to-off fan control—fully variable

Single-pole GFS-5E-**XX**¹
120V 5A

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

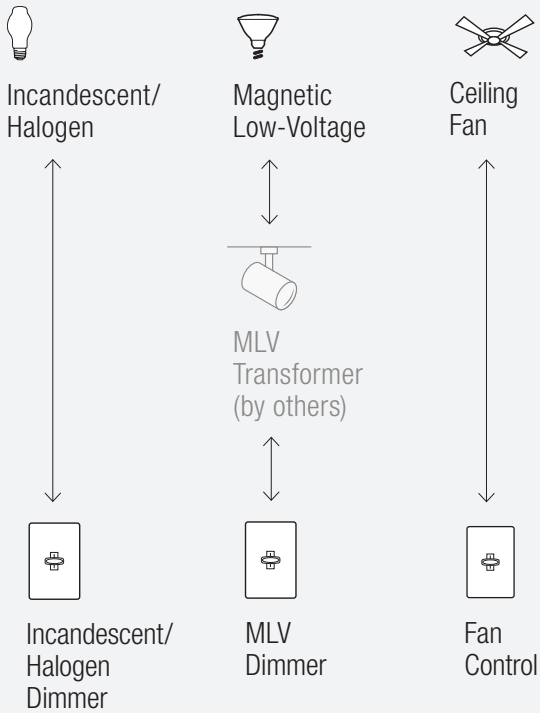
Fully variable fan controls are commonly known as solid state fan controls.

XX¹: Gloss color codes, see p. 121
Wallplates not included. Order separately, see p. 244

All models must be derated if ganged, unless otherwise noted, see p. 253.

Connections overview

Load connections*



***For illustration purposes only.**

Consult model number pages for specific voltage and capacity information.

Accessories

Wallplates



Shown actual size:
2-gang Fassade®
wallplate in White (WH).
For more information
about Traditional wallplates,
see p. 244.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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



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**
- Coordinating Fassada® and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates, see p. 244

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 finishes*



WH
White



IV
Ivory

*Coordinating wallplates only available separately. For wallplate information, see p. 244.

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
- **eco-dim®** model guarantees at least 15% energy savings and triples lamp life compared to a standard switch*

Incandescent/halogen dimmer

Dimmer with rotate on/off knob

| | |
|--------------------------|--------------------------------|
| Single-pole 120V 600W | D-600R- XX ¹ |
|--------------------------|--------------------------------|

Incandescent/halogen dimmers

Dimmers with push on/off knob

| | |
|--------------------------|--------------------------------|
| Single-pole 120V 600W | D-600P- XX ¹ |
| 3-way 120V 600W | D-603P- XX ¹ |

eco-dim® dimmer with push on/off knob

| | |
|--------------------------------|---------------------------------|
| 3-way/single-pole 120V 600W | D-603PG- XX ¹ |
|--------------------------------|---------------------------------|

XX¹: Gloss color codes, see p. 127
Wallplates not included. Order separately, see p. 244

All models must be derated if ganged, unless otherwise noted, see p. 253.

* 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

Incandescent/halogen dimmers

Dimmers with push on/off knob and locator light

| | |
|--------------------------|----------------------------------|
| Single-pole 120V 600W | DNG-600P- XX ¹ |
| 3-way 120V 600W | DNG-603P- XX ¹ |

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)

Fan controls

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

| | |
|--------------------------|--------------------------------|
| Single-pole 120V 1.5A | FSQ-2F- XX ¹ |
|--------------------------|--------------------------------|

No derating required if ganged.

Fan controls with rotate on/off knob—fully variable

| | |
|---|-------------------------------|
| Single-pole factory set minimum speed 120V 5A | FS-5F- XX ¹ |
|---|-------------------------------|

| | |
|---|-------------------------------|
| Single-pole user adjustable minimum speed 120V 5A | FS-5E- XX ¹ |
|---|-------------------------------|

User adjustable minimum speed control provides an additional wire for switching of 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.

Replacement knobs

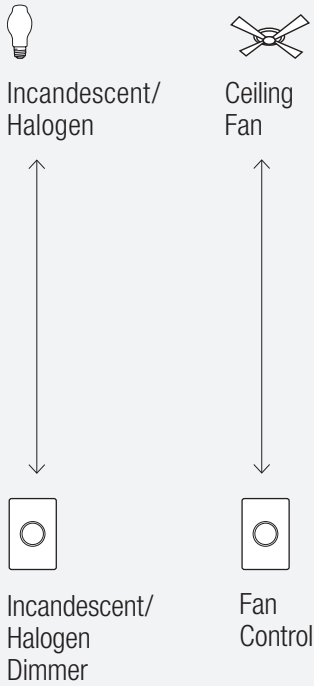
| | |
|---------------------------------|----------------------------|
| Standard knob | RK- XX ¹ |
| 3-speed fan control knob, White | 280-324-01 |
| 3-speed fan control knob, Ivory | 280-324-06 |

XX¹: Gloss color codes, see p. 121
Wallplates not included. Order separately, see p. 244

All models must be derated if ganged, unless otherwise noted, see p. 253.

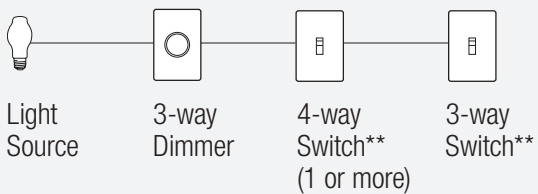
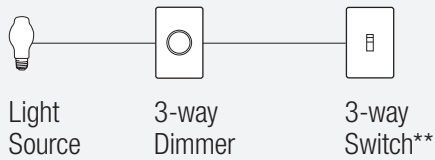
Connections overview

Load connections*



Control types (for 2 or more locations)

Dim from one location, switch from the others



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

***For illustration purposes only.**

Consult model number pages for specific voltage and capacity information.

Accessories

Wallplates



Shown actual size:
2-gang Fassade® wallplate in White (WH).
For more information about Traditional wallplates, see p. 244.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle



Customizable 6-port frame



Cable jack

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

Plug-in controls | **Credenza**® lamp dimmer



Shown actual size: Credenza lamp dimmer in White (WH).

Available finishes

Use **BOLD** color code in model number (Example: TT-300NLH-**BR**)

Gloss finishes



WH
White

BR
Brown

BL
Black

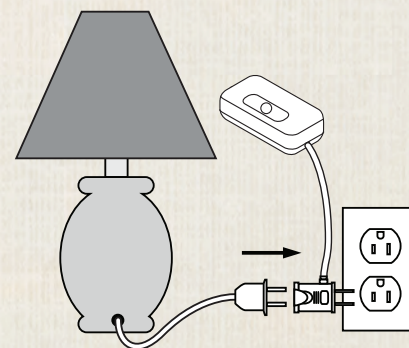
Product family features

- 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 wires or tools
- **C•L**® and **eco-dim**® models available
- Models with locator light have LED that glows softly
- Place lamp dimmer on tabletop
- Cord is 6 ft (1.8m) long

Direct load type compatibility

- 💡 Incandescent/halogen lighting
- 💡/💡 Dimmable CFL/LED lighting (screw-base)

Installation



Plug-in lamp dimmer





- Slide up to on/brighten, down to dim/off
- **C•L**® dimmer provides reliable dimming of dimmable CFLs/LEDs, 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
- **eco-dim**® model guarantees 15% energy savings and triples lamp life compared to a standard switch*
- Includes red LED locator light, **eco-dim** model has green indicator light
- Requires no wiring or tools

 **Incandescent/halogen lamp dimmer**
 **Dimmable CFL/LED (screw-base) lamp dimmer**

Plug-in lamp C•L dimmer

Single-pole TTCL-100H-**XX**¹
 120V 250W (Inc) 100W (CFL/LED)

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs.

 **Incandescent/halogen lamp dimmer**

Plug-in lamp dimmer

Single-pole TT-300H-**XX**²
 120V 300W

 **Incandescent/halogen lamp dimmer**

Plug-in lamp dimmer

Single-pole TT-300NLH-**XX**¹
 120V 300W

Plug-in eco-dim lamp dimmer

Single-pole TT-300NLGH-**XX**¹
 120V 300W

XX¹: Gloss color codes, see p. 132

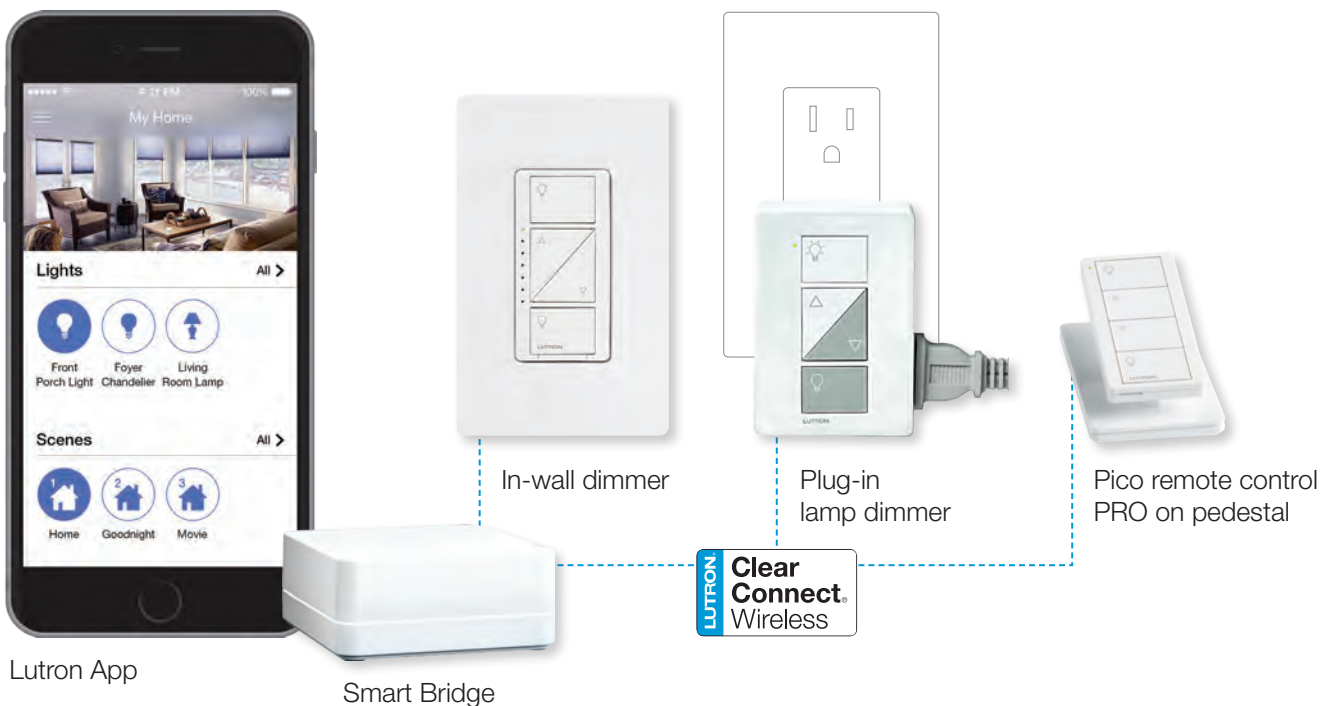
XX²: Available in Gloss White (WH) or Brown (BR)

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

The connected home begins here — Caséta Wireless

Simple, affordable, connected lighting:

- Start by installing Caséta Wireless dimmers and a Pico® remote for simple connected control
- Add the Smart Bridge and FREE Lutron App to control the devices from your smart device
- Expand the system at any time to an entire room or the whole home



Standard models

Use Caséta Wireless for convenient, connected home control. Install wall dimmers, switches, and lamp dimmers in just minutes, and control them with a Pico remote or the Lutron App.

PRO models

For advanced functionality, control of lights, shades, and temperature, and seamless integration with third-party devices, use Caséta PRO models and Smart Bridge PRO.

Kits

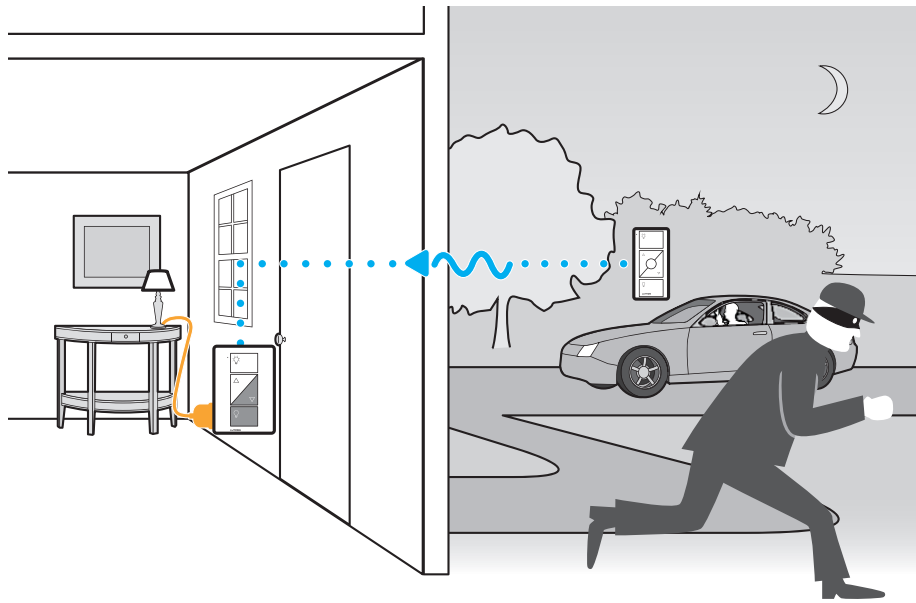
Caséta Wireless starter kits in Standard and PRO models get you started with connected controls.





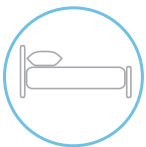
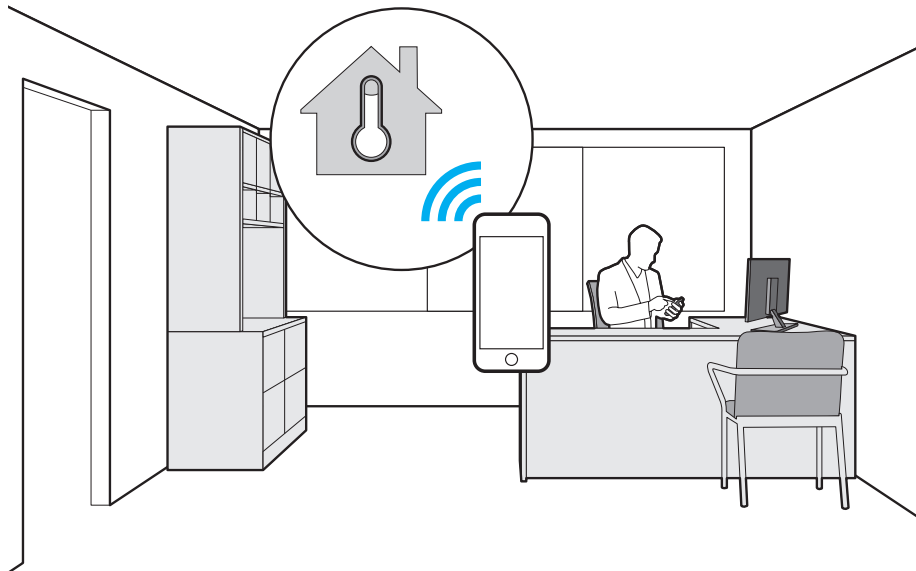
Turn lights on as you arrive home

Turn entryway and outdoor lights on from the security of your car.



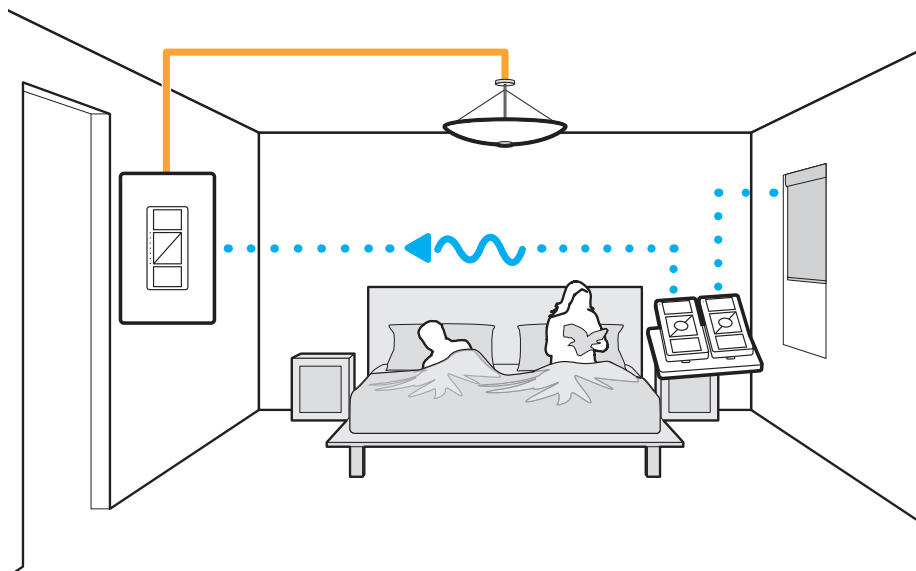
Adjust temperature from your office

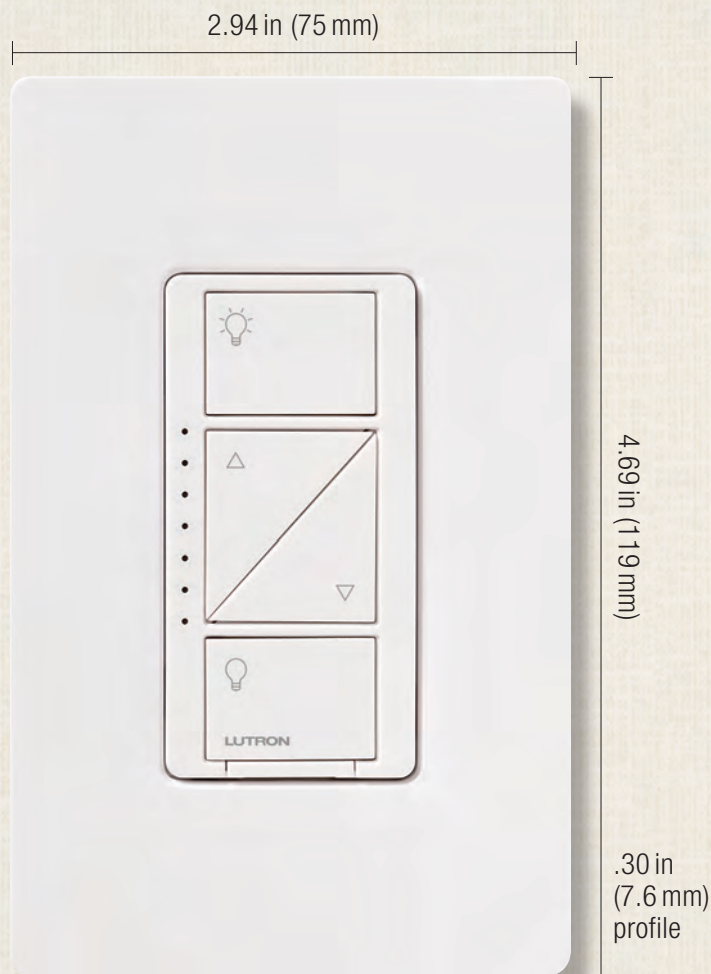
Forgot to set your thermostat back? Lower it from work, to save energy during the day. Then raise it before you leave, for a comfortable welcome home.



Turn lights off and close shades from your bedside




No need to get out of bed. Simply turn the lights off and close shades from your bedside and drift into sleep.





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 10 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. 178), Radio Powr Savr™ wireless occupancy/vacancy sensors* (see p. 198), and Smart Bridges (see p. 146)
- **C·L® models available**
- Enables control and scheduling of lights from the Lutron app when paired with a Smart Bridge
- Uses 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. 237

Direct load type compatibility

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

Load type requiring load interface

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

Lighting load interfaces may be applicable for some load type, voltage, and capacity combinations. For additional information, see pp. 255–259.

* Radio Powr Savr wireless occupancy/vacancy sensors work with Caséta Wireless dimmers and switches in a stand alone application 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 finishes*



WH
White



LA
Light Almond



IV
Ivory



BL
Black

Metal finish wallplate**



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see p. 236.

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 CFLs/LEDs, as well as halogens and incandescent
- PRO model also works with magnetic low-voltage lighting, and is compatible with Lutron 2-wire Forward Phase LED drivers, Tu-Wire® fluorescent ballasts and load interfaces

Wireless in-wall C•L dimmer*, Pico wireless remote and wallplate†

| | |
|--------------------------------|------------|
| Multi-location**/single-pole | P-PKG1W-WH |
| 120V 600W (Inc) 150W (CFL/LED) | |

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Wireless in-wall C•L dimmer*, Pico wireless remote, wallplate and Smart Bridge†

| | |
|--------------------------------|-------------|
| Multi-location**/single-pole | P-BDG-PKG1W |
| 120V 600W (Inc) 150W (CFL/LED) | |

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Two wireless in-wall C•L dimmers*, two Pico wireless remotes, two tabletop pedestals, two wallplates and Smart Bridge†

| | |
|--------------------------------|-------------|
| Multi-location**/single-pole | P-BDG-PKG2W |
| 120V 600W (Inc) 150W (CFL/LED) | |

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim

All models must be derated if ganged unless otherwise noted, see pp. 250–252 and 254.

* Minimum load required, see specification submittal

** For multi-location applications, replace additional switches with Pico wireless remotes

† Packages available in White only

Incandescent/halogen dimmer

Dimmable CFL/LED (screw-base) dimmer

Wireless in-wall C•L dimmer*

| | |
|--------------------------------|----------------------|
| Multi-location**/single-pole | PD-6WCL- XX † |
| 120V 600W (Inc) 150W (CFL/LED) | |

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

XX!: Gloss color codes, see p. 137
Wallplates not included. Order separately, see p. 236

Wireless in-wall C·L dimmer*, Pico wireless remote, wallplate and Smart Bridge PRO†

Multi-location**/ P-BDGPRO-PKG1W
single-pole
120V 600W (Inc) 150W (CFL/LED)

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Two wireless in-wall C·L dimmer*, two Pico wireless remotes, two tabletop pedestals, two wallplates and Smart Bridge PRO†

Multi-location**/ P-BDGPRO-PKG2W
single-pole
120V 600W (Inc) 150W (CFL/LED)

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

 **Incandescent/halogen dimmer**

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

 **Magnetic low-voltage dimmer**

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

 **Tu-Wire® fluorescent ballast dimmer**

Wireless in-wall C·L dimmer PRO*††

Multi-location**/3-way‡/ PD-10NXD-**XX**¹
single-pole
120V 1000W (Inc) 250W (CFL/LED)
1000VA/800W (MLV)
520W (Hi-lume 1% LED driver, max. 13)
5 A (Tu-Wire fluorescent ballast)

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how 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

www.casetawireless.com/lowend

All models must be derated if ganged unless otherwise noted, see p. 250–252 and 254.

* Minimum load required, see specification submittal

** For multi-location applications, replace additional switches with Pico wireless remotes

† Packages available in White only

†† **Neutral wire connection available, not required** (required for LED drivers, fluorescent ballasts, and interfaces)

‡ Works with standard mechanical 3-way switch

XX¹: Gloss color codes, see p. 137
Wallplates not included. Order separately, see p. 236

Wireless in-wall C·L dimmer PRO^{**}, wireless in-wall C·L dimmer^{*}, 3-scene wireless remote, wallbox adapter, three wallplates and Smart Bridge[†]

Multi-location^{††}/3-way[‡] P-BDG-PKG2W2
 single-pole
 120V 1000W (Inc) 250W (CFL/LED)
 1000VA/800W (MLV)
 520W (Hi-lume 1% LED driver, max. 13)
 5A (Tu-Wire fluorescent ballast)

Visit www.casetawireless.com/bulblast for an approved list of dimmable CFL/LED lamps, and how 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

www.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^{*,†‡}

Multi-location^{**}/3-way[‡] PD-6ANS-**XX**¹
 single-pole
 120V 6A light 3.6A (1/4 HP) fan

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

Wireless in-wall electronic switch PRO^{*}

Multi-location^{**}/3-way[‡] PD-5WS-DV-**XX**¹
 single-pole
 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 p. 250–252.

* Minimum load required, see specification submittal

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

† Packages available in White only

†† For multi-location applications, replace additional switches with Pico wireless remotes

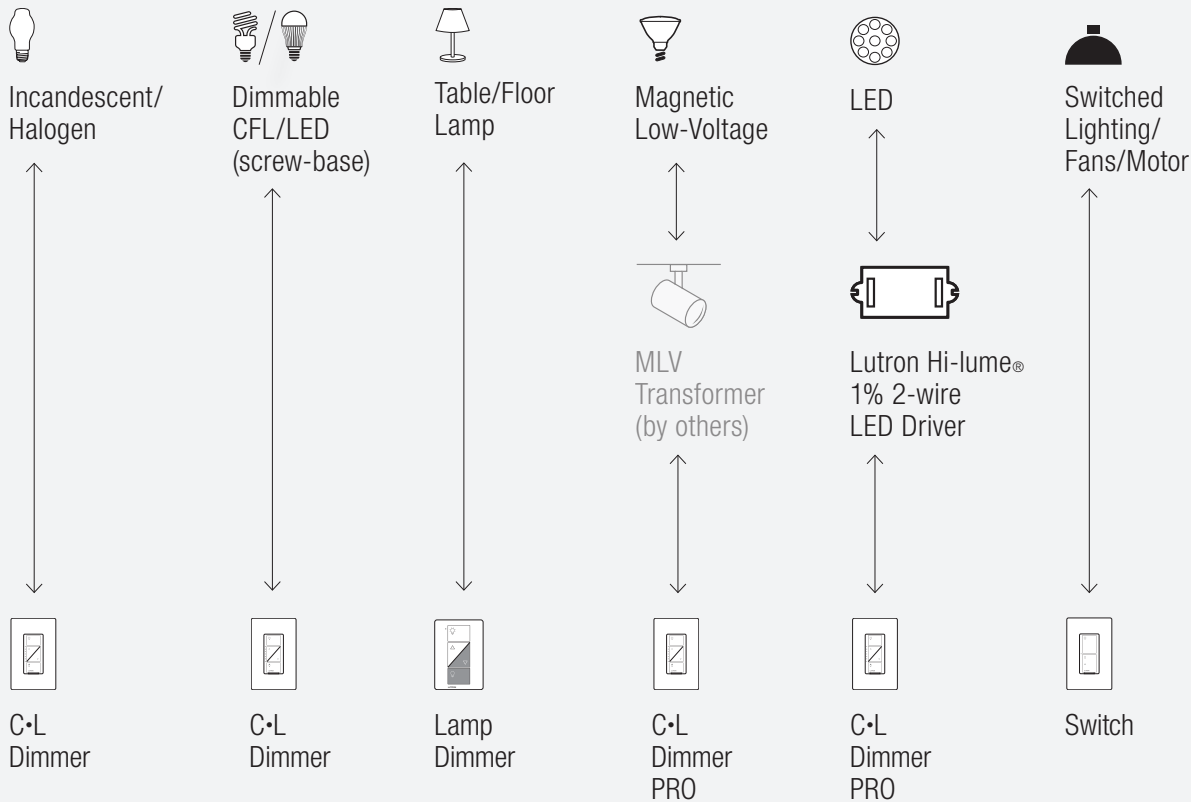
‡ Works with standard mechanical 3-way switch

†‡ **Requires neutral wire connection**

XX¹: Gloss color codes, see p. 137
 Wallplates not included. Order separately, see p. 236

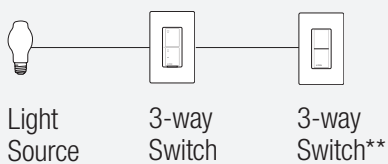
Connections overview

Load connections*

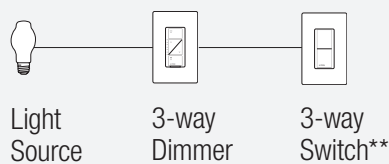


Control options (for 2 or more locations)

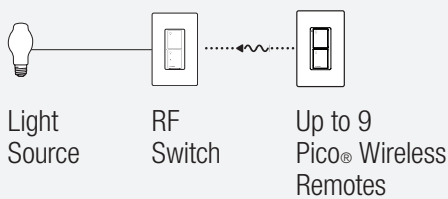
Switch from two locations



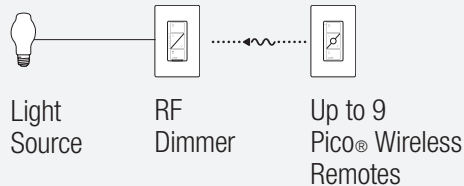
Dim from one location, switch from other



Switch wirelessly from multiple locations (up to 10)



Dim wirelessly from multiple locations (up to 10)



For more information on LED drivers, visit www.lutron.com/LED.
 * For illustration purposes only. Consult model number pages for specific voltage and capacity information.

** For 3-way control, use 3-way dimmer or switch with 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 p. 236.

4.69 in
(119 mm)

.30 in
(7.6 mm)
profile

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle

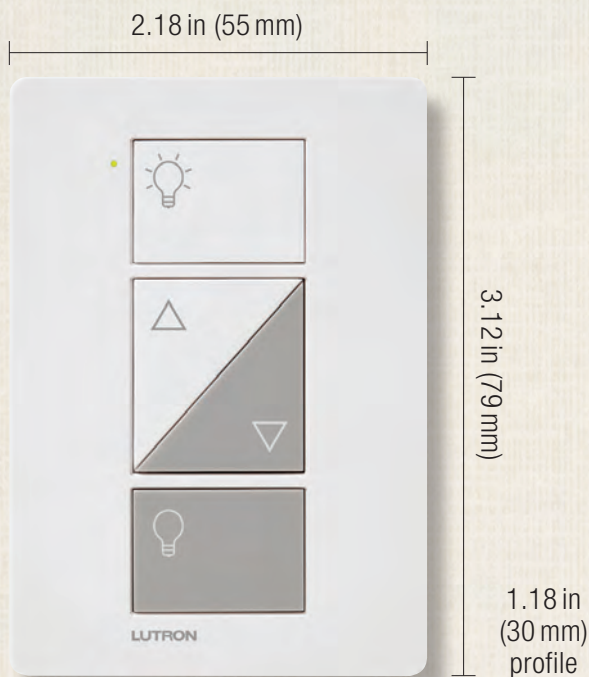


Customizable 6-port frame



Cable jack

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



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 wires or 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. 178), Radio Powr Savr™ wireless occupancy/vacancy sensors* (see p. 198) and Smart Bridges (see p. 146)
- C·L® model available
- Can be converted to a switch for control of other lighting loads
- Enables control and scheduling of lights from the Lutron app when paired with a Smart Bridge
- Communicates at 434 MHz frequency

Direct load type compatibility

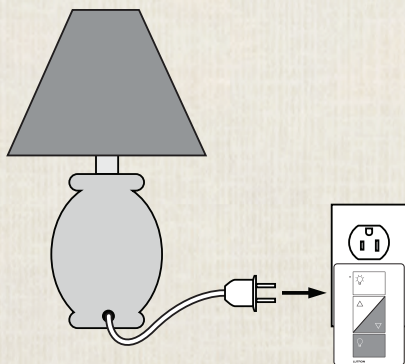
Dimming mode

- Incandescent/halogen lighting
- Dimmable CFL/LED (screw-base) lighting

Switching mode

- Incandescent/halogen lighting
- CFL/LED (screw-base) 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 stand alone 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 CFLs/LEDs, as well as halogens and incandescents
- Can be converted to a switch for control of other lighting loads

Two wireless plug-in lamp C•L® dimmers, two tabletop pedestals, two Pico wireless remotes and Smart Bridge*

| | |
|--------------------------------|-------------|
| Single-pole | P-BDG-PKG2P |
| 120V 300W (Inc) 100W (CFL/LED) | |

Two wireless plug-in lamp C•L® dimmers, two tabletop pedestals, two Pico wireless remotes and Smart Bridge PRO*

| | |
|--------------------------------|----------------|
| Single-pole | P-BDGPRO-PKG2P |
| 120V 300W (Inc) 100W (CFL/LED) | |

- Incandescent/halogen lamp dimmer**
- Dimmable CFL/LED (screw-base) lamp dimmer**

Wireless plug-in lamp C•L® dimmer

| | |
|--------------------------------|------------|
| Single-pole | PD-3PCL-WH |
| 120V 300W (Inc) 100W (CFL/LED) | |

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs

Wireless plug-in lamp C•L® dimmer and Pico wireless remote*

| | |
|--------------------------------|------------|
| Single-pole | P-PKG1P-WH |
| 120V 300W (Inc) 100W (CFL/LED) | |

* Packages available in White only



Shown actual size: Lutron Smart Bridge and App

iOS is a registered trademark of Cisco in the U.S. and other countries and is used under license. Android is a trademark of Google Inc.

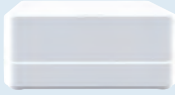
* HomeKit requires an iPhone, iPad, or iPod touch with iOS 8.1 or later. Controlling HomeKit-enabled accessories from home also requires an Apple TV (Third generation or later) with Apple TV software 7.0 or later.

Product family features

- Allows for set-up, 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 Nest Learning Thermostat and select Honeywell Wi-Fi programmable thermostats
- 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 Sivoia® QS Triathlon® and select Sivoia QS Wireless 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

Apple, Apple TV, iPad, iPod touch, iPhone, and Siri are registered trademarks, and Apple Watch and HomeKit are trademarks of Apple Inc., registered in the U.S. and other countries.

Smart Bridge

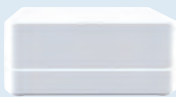


- Supports up to 50 wireless devices
- Connects to Wi-Fi router via Ethernet
- Supports Siri and HomeKit technology, and Serena® shades

Smart Bridge

Smart Bridge L-BDG2-WH
with HomeKit technology

Smart Bridge PRO

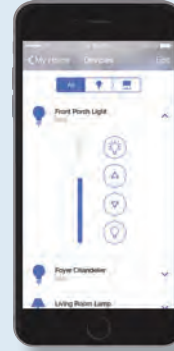


- Supports up to 50 wireless devices
- Connects to Wi-Fi router via Ethernet
- Supports Siri and HomeKit technology, and Serena, Sivoia® QS wireless shades
- Allows integration with select A/V and security systems

Smart Bridge PRO

Smart Bridge PRO L-BDGPRO2-WH
with HomeKit technology

Lutron App



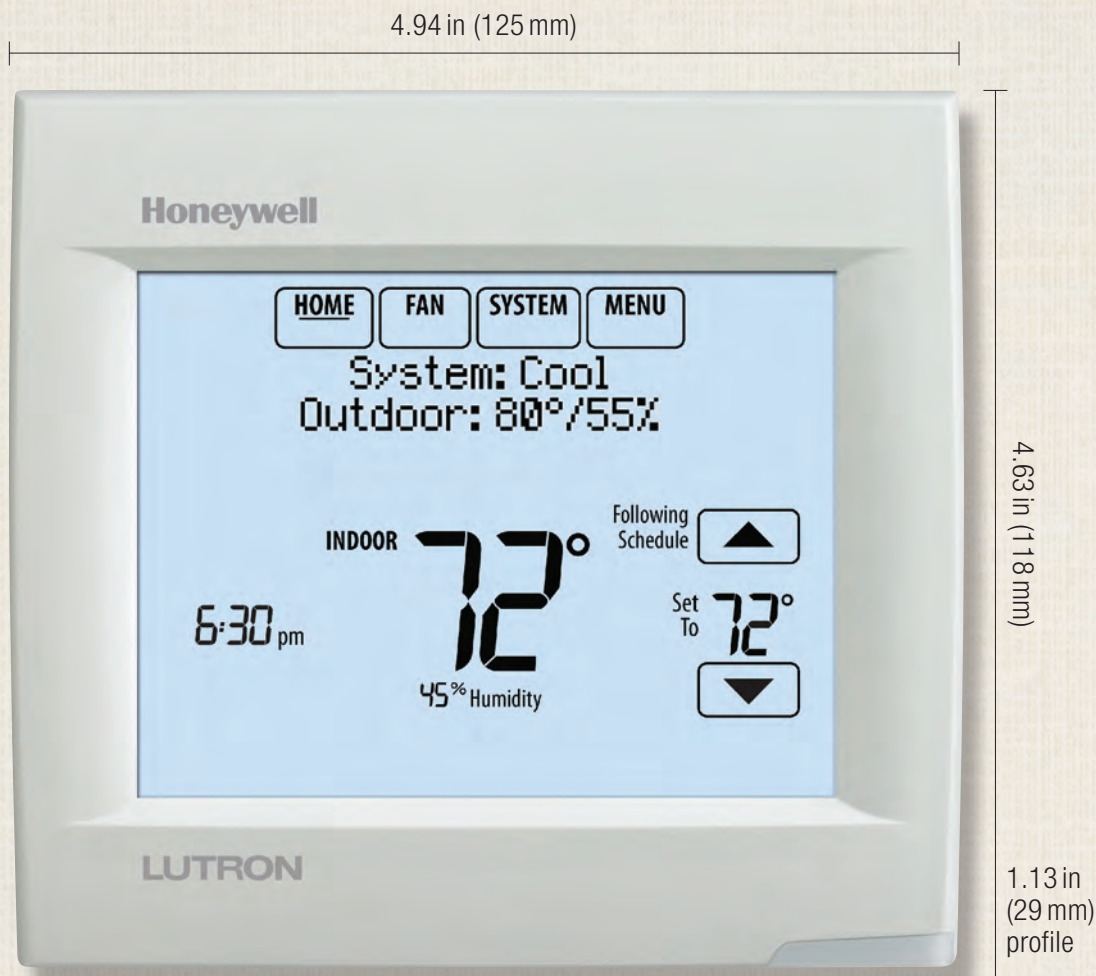
- Works in conjunction with the Smart Bridge or Smart Bridge PRO
- Controls lights, shades, and thermostats from anywhere
- Required to program and use Smart Bridge
- **Download for free from the App Store or Google Play**

Lutron App

Download for free from the App Store
or Google Play

Siri is a registered trademark, App Store is a service mark, and HomeKit is a trademark of Apple Inc., registered in the U.S. and other countries.

Google Play is a trademark of Google Inc.



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 the Lutron Smart Bridge and App (required, see p. 146)
- 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

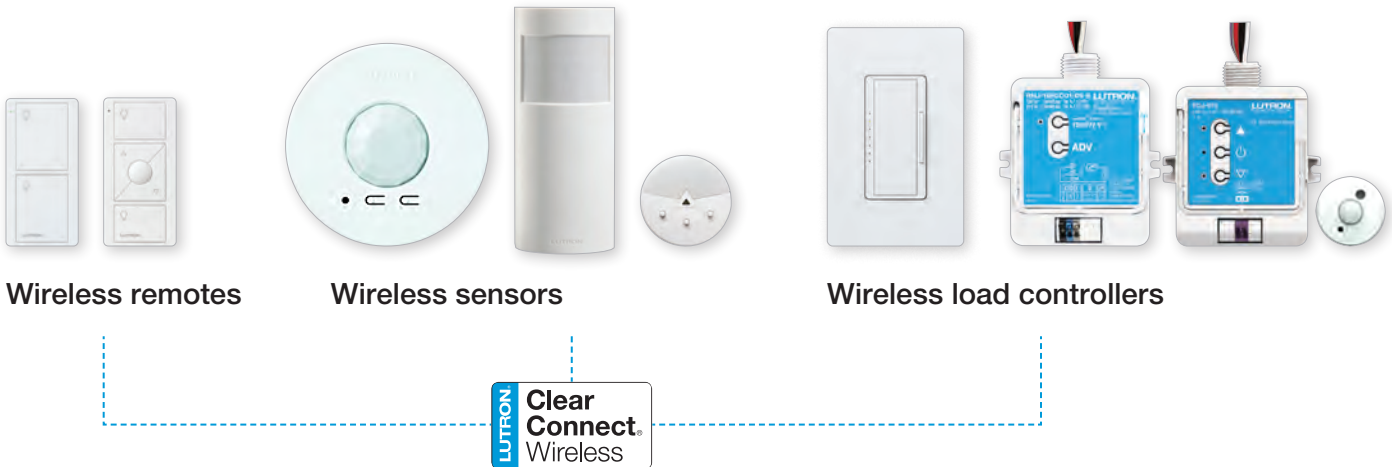
Thermostat

L-HWLV2-WIFI

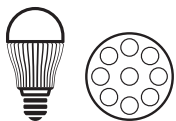
Wireless energy-saving solutions — Energi TriPak

A full suite of products that meets any building performance and budget need:

- **Simple**—easily mix and match components, making the Energi TriPak wireless solutions easy to design and install in both retrofit projects and new construction
- **Flexible**—works with any fixture package regardless of control protocol; expands easily from a single space to an entire building
- **Wireless**—Wireless controls help you meet any budget and installation time frame, facilitate quick changes to system layout and programming, and reduce maintenance costs to improve ROI



Controls for every load type



LED



Fluorescent



Incandescent/
halogen



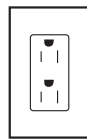
Magnetic
low-voltage



Electronic
low-voltage



Fan



20A
receptacle

The right control in the right space

Energi TriPak lets you personalize control to each space in your building without locking you into more or less control than you need

\$ Limited Budget

Simple switching control

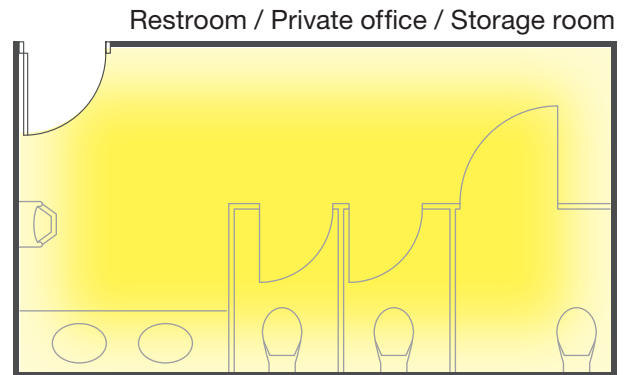
Occupancy sensors control all lights together by switching lights on and off in response to room occupancy.



Switch



Occupancy



\$\$ Moderate Budget

Area dimming

Space can be split into zones with the ability to control each area as needed. Zones can be reassigned without additional wiring or complex programming.



Dimming module



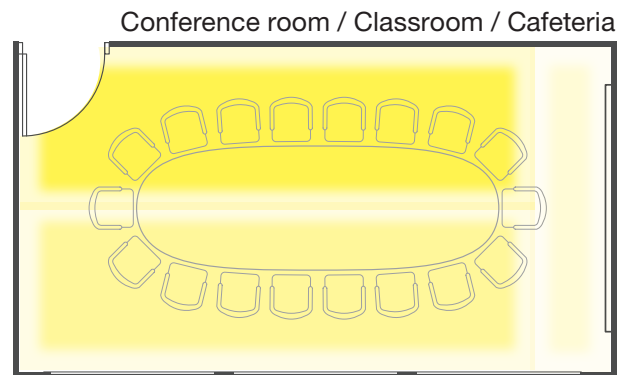
Remote (wall-mount)



Occupancy



Daylight



\$\$\$ Flexible Budget

Individual Fixture Control

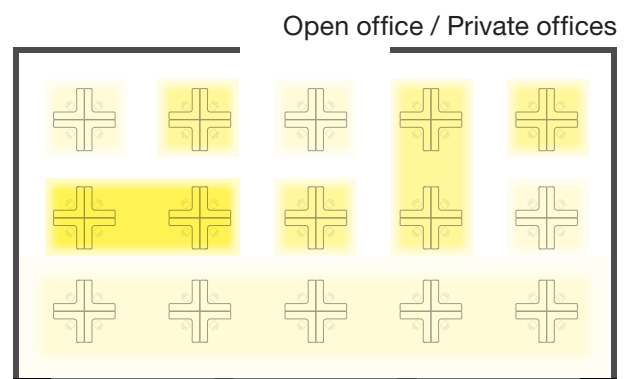
Provide individual fixture control to allow each occupant personal dimming control for enhanced comfort and improved productivity



Fixture control module and sensor



Remote (hand held)



20% Lighting

50% Lighting

80% Lighting



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. 178)

Product family features

- Uses Lutron Clear Connect® radio frequency (RF) technology, which provides reliable RF communication with Pico® wireless remotes (see p. 178) and Radio Powr Savr™ wireless sensors (see pp. 198 and 202)
- Combine up to 10 wireless devices (dimmers, switches, sensors and/or wireless remotes)
- True multi-location dimming from every location
- Tap on to favorite level; tap off; tap twice for full on
- Touch rocker to adjust light level
- Delayed off provides light as you exit the room
- **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.237

Control types

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

Direct load type compatibility

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

Load type requiring load interface

- Neon/cold cathode lighting

Lighting load interfaces may be applicable for some load type, voltage, and capacity combinations. For additional information, see pp.255–259.

Available finishes

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

Gloss finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Satin Colors® finishes*



SW
Snow



LS
Limestone



BI
Biscuit



ES
Eggshell



PD
Palladium



TP
Taupe



ST
Stone



BG
Bluestone



PL
Plum



SG
Sea Glass



TQ
Turquoise



GS
Goldstone



DS
Desert Stone



GB
Greenbriar



MS
Mocha Stone



TC
Terracotta



SI
Sienna



HT
Hot



MR
Merlot



MN
Midnight



SS
Stainless Steel

Metal finish wallplate**

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel 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 p. 236.

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. 151)
- C•L® dimmer offers reliable dimming of dimmable CFLs/LEDs, as well as halogens and incandescents

Incandescent/halogen dimmer

Dimmable CFL/LED (screw-base) dimmer

Digital fade wireless C•L® dimmer*

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

Visit www.lutron.com/dimcflled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim.

Incandescent/halogen dimmers

Digital fade wireless dimmer*

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

Digital fade wireless dimmer*, Pico® wireless remote and wallplate

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

Incandescent/halogen dimmer

Magnetic low-voltage dimmer

Digital fade wireless dimmer*

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

Digital fade wireless dimmer— specification grade*

Multi-location/single-pole MRF2-10D-120-**XX**¹
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%).

XX¹: Gloss and Satin Colors® codes, see p. 153
Wallplates not included. Order separately, see p. 236

All models must be derated if ganged unless otherwise noted, see pp. 250–252 and 254.

* Minimum load required, see specification submittal

**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^{*,**}

Multi-location/single-pole MRF2-6ND-120-**XX**¹
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 www.lutron.com/applicationnotes

**Electronic low-voltage dimmer**

Digital fade wireless dimmer*

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

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

Digital fade wireless dimmer*

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

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

For more information on Hi-lume 1% LED drivers, visit www.lutron.com/HilumeLED.

Adjustable low-end trim.

XX¹: Gloss color codes, see p. 153

Wallplates not included. Order separately, see p. 236

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

***Requires neutral wire connection**

**Minimum load required, see specification submittal

Wireless electronic switches



- Tap switch on/off
- For multi-location switching, use Maestro Wireless switch with Maestro companion switches or Pico® wireless remote (see p. 178)

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

Switches

Wireless electronic switch*

Multi-location/single-pole MRF2-6ANS-**XX**¹
120V 6A light 3A fan (1/10HP)

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

Wireless electronic switches—specification grade

Multi-location/single-pole* MRF2-8ANS-120-**XX**¹
120V 8A light 5.8A fan (1/4 HP)

Multi-location/single-pole** MRF2-8S-DV-**XX**¹
120–277V 8A light
3A fan (1/10HP) @ 120V only

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

Companion controls

Companion dimmers

Companion dimmer MA-R-**XX**²
120V MSC-AD-**XX**³

Companion dimmer MA-R-277-**XX**²
277V MSC-AD-277-**XX**³

XX¹: Gloss and Satin Colors® codes, see p. 153

XX²: Gloss color codes, see p. 153

XX³: Satin Colors® codes, see p. 153

Wallplates not included. Order separately, see p. 236

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

*Requires neutral wire connection

**Minimum load required, see specification submittal

Companion switches



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

Companion controls

Companion switches

| | |
|------------------|------------------------------------|
| Companion switch | MA-AS- XX ¹ |
| 120V | MSC-AS- XX ² |
| Companion switch | MA-AS-277- XX ¹ |
| 277V | MSC-AS-277- XX ² |

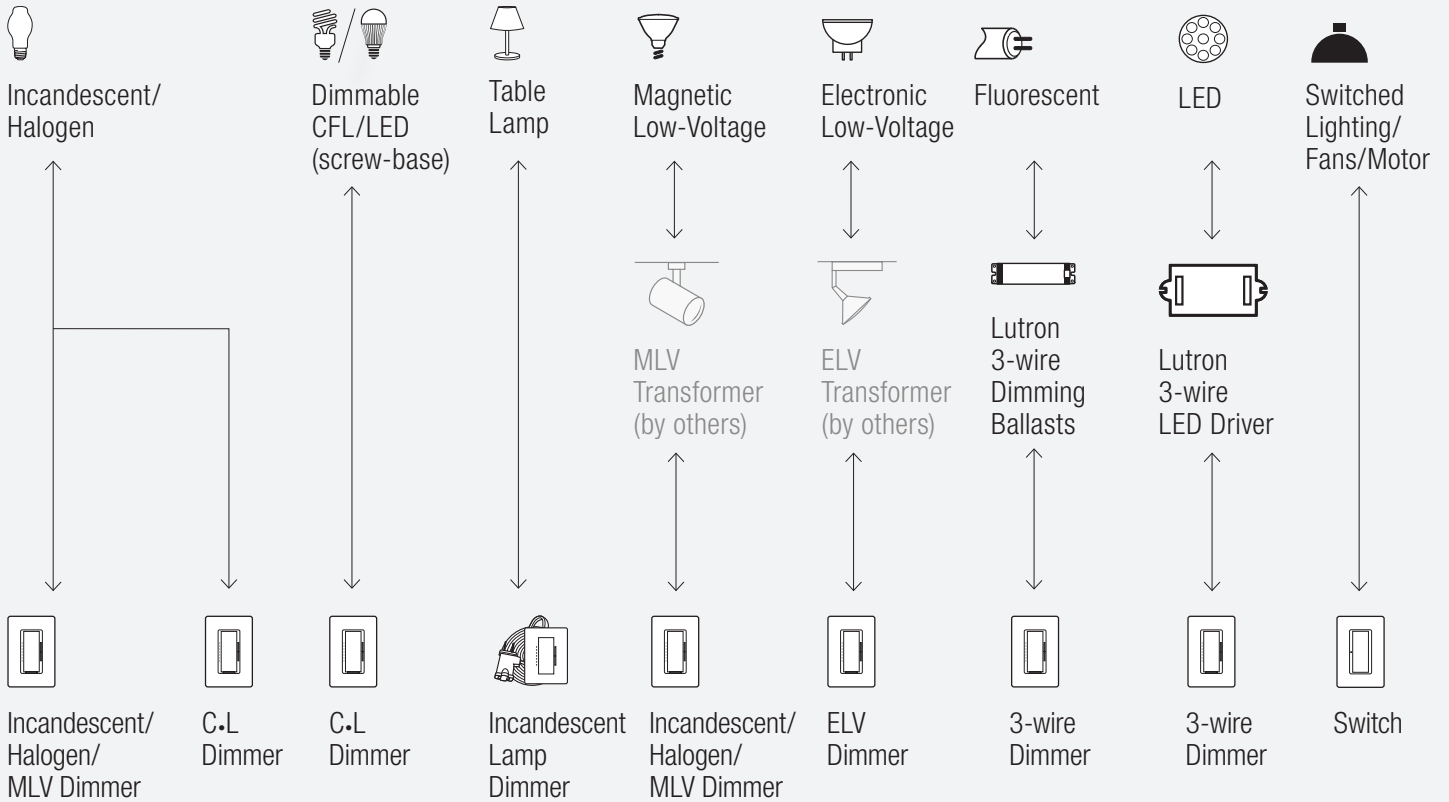
XX¹: Gloss color codes, see p. 153

XX²: Satin Colors® codes, see p. 153

Wallplates not included. Order separately, see p. 236

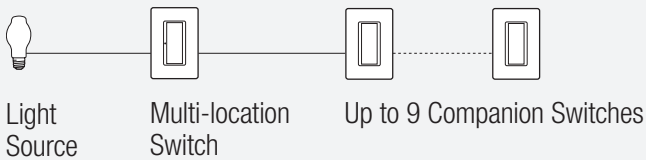
Connections overview

Load connections*

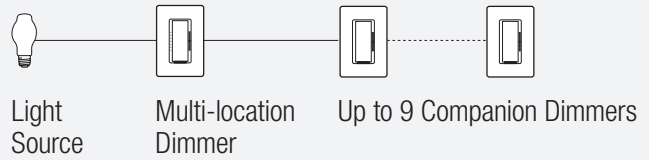


Control types (for 2 or more locations)

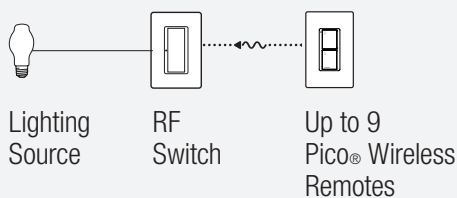
Switch from multiple locations (up to 10)



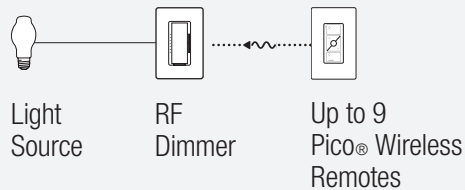
Dim from multiple locations (up to 10)



Switch wirelessly from multiple locations (up to 10)



Dim wirelessly from multiple locations (up to 10)



For more information on LED drivers, visit www.lutron.com/LED.

***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 p. 236.

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle

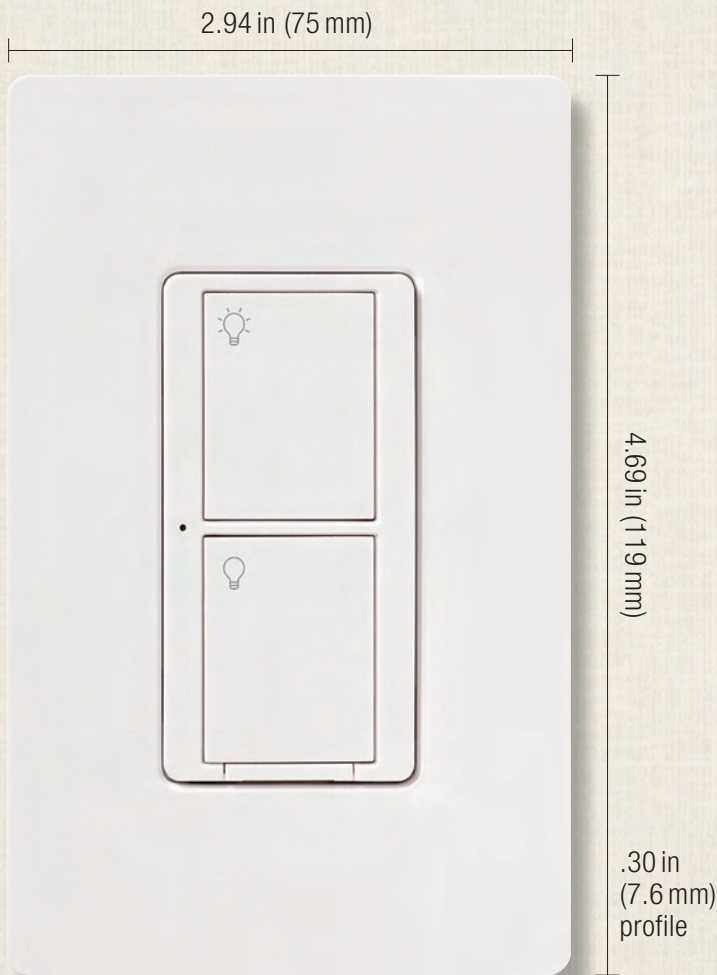


Customizable 6-port frame



Cable jack

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






Shown actual size: 5A 2-button RF switch and 1-gang Claro® wallplate in White (WH)


Product family features

- Simple, intuitive button labeling
- Uses Lutron Clear Connect® radio frequency (RF) technology, which provides reliable RF communication with Pico® wireless remotes (see p. 178) and Radio Powr Savr™ wireless sensors (see p. 198)
- Combine up to 10 wireless devices (dimmers, switches, sensors and/or wireless controls)
- Communicates at 434 MHz frequency
- Coordinating Claro® wallplates only available separately
- Custom engraving available for wallplates, see p. 237

Control types

-  Single-pole (one location)
-  3-way (two locations)
-  Wireless multi-location (up to 10 locations)

Direct load type compatibility

-  Switched lighting/fan

Load type requiring load interface

Loading load interfaces are not compatible with this family.

Available finishes

Use **BOLD** color code in model number (Example: PD-5S-DV-**WH**)

Gloss finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



BL
Black

Metal finish wallplates**



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel wallplate only available separately and includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) control. For wallplate information, see p. 236

Wireless electronic switch



- Two-button switch complements the Pico® wireless remote aesthetic
- Two-wire switch is ideal for retrofit applications

Switch

Wireless electronic switch*

Multi-location**/ PD-5S-DV-**XX**[†]

3-way[†]/single-pole

120/277V 5A light

3A fan (1/10 HP) @ 120V only

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

XX[†]: Gloss color codes, see p. 161
Wallplates not included. Order separately, see p. 236

All models must be derated if ganged unless otherwise noted, see p. 252.

* Minimum load required, see specification submittal

** For multi-location applications, replace additional switches with Pico wireless remotes

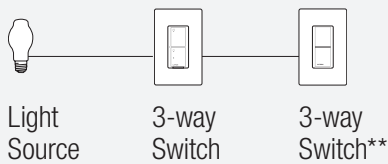
[†] Works with a standard 3-way mechanical switch

Load connections*

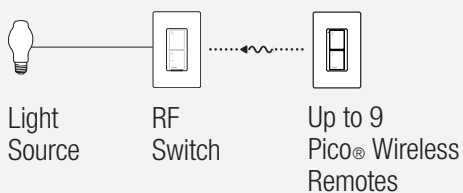


Control types (for 2 or more locations)

Switch from two locations



Switch wirelessly from multiple locations (up to 10)



** For 3-way control, use 3-way switch with mechanical 3-way 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 p. 236.

4.69 in (119 mm)

.30 in (7.6 mm)
profile

Coordinated electrical devices



Tamper resistant, self-testing GFCI receptacle

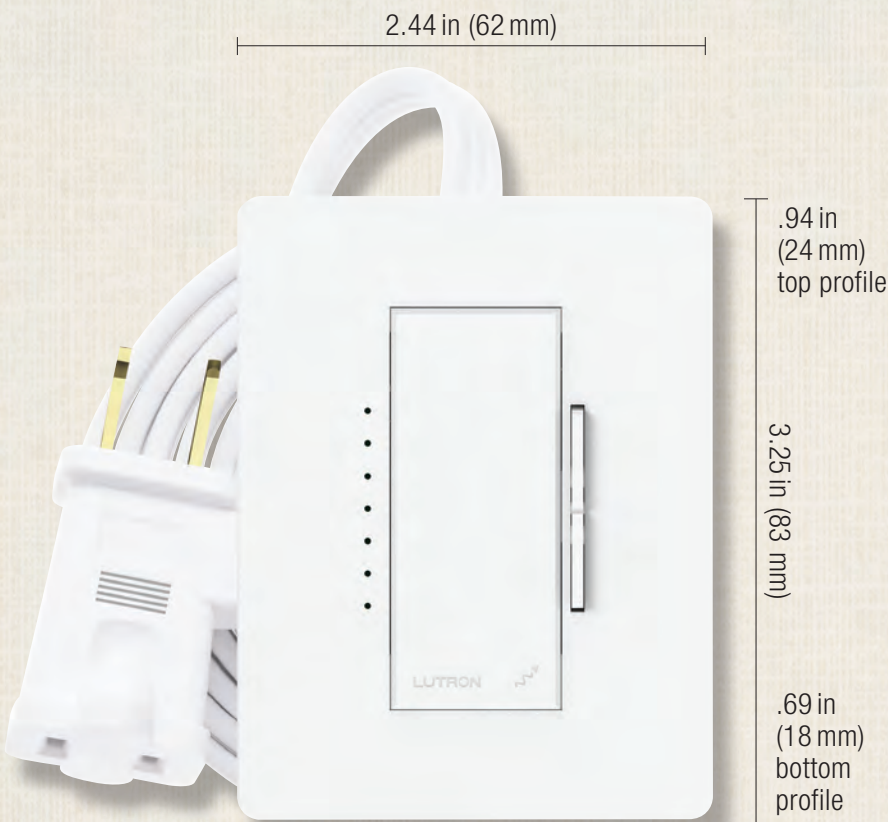


Customizable 6-port frame



Cable jack

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




Shown actual size: Maestro Wireless tabletop lamp dimmer in White (WH).

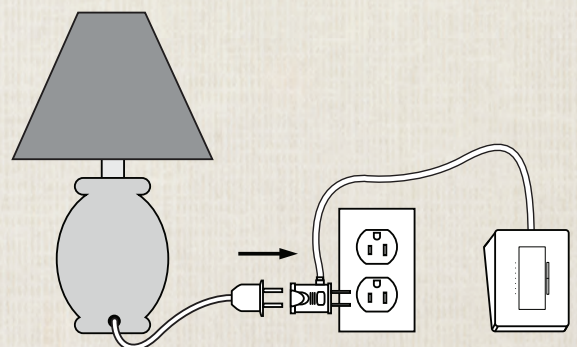
Features and capacities

- Uses Lutron reliable Clear Connect® radio frequency (RF) technology, which provides reliable RF communication with Pico® wireless remotes (see p. 178) and Radio Powr Savr® wireless sensors (see pp. 198 and 202).
- Combine up to 10 wireless devices (dimmers, switches, sensors, and/or wireless remotes)
- For use with table and floor lamps only
- Easy to install, requires no wires or tools
- Tabletop control functions like a standard Maestro® dimmer
- Tap on to preset level; tap off; tap twice for full on
- Touch rocker to adjust light level
- Simple, button-press programming to associate with Radio Powr Savr sensors and Pico wireless remotes
- Cord is 6 ft (1.8 m) long
- Communicates at 434 MHz frequency

Direct load type compatibility

-  Incandescent/halogen lighting

Installation



Available finishes

Use **BOLD** color code in model number
(Example: MRF2-3LD-**BL**)

Matte finishes



WH
White



BL
Black

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

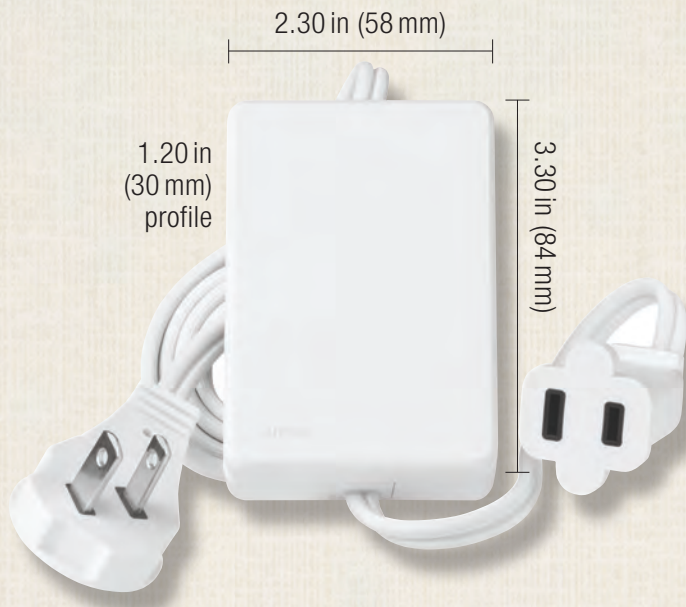
Incandescent/halogen lamp dimmer

Plug-in wireless tabletop lamp dimmer

Single-pole
120V 300W

MRF2-3LD-**XX**¹

XX¹: Matte color codes, see p. 166



Shown above: 1-receptacle PowPak plug-in dimming module in White (MRF2-3PD-1-WH)

Available finishes

Use **BOLD** color code in model number
(Example: MRF2-3PD-1-**BL**)

Matte finishes



WH
White



BL
Black

Features and capacities

- Uses Lutron reliable Clear Connect® radio frequency (RF) technology, which provides reliable RF communication with Pico® wireless remotes (see p. 178) and Radio Powr Savr® wireless sensors (see pp.198 and 202).
- Combine up to 10 wireless devices (dimmers, switches, sensors, and/or wireless remotes)
- Easy to install, requires no wires or tools
- Available in 1- or 3-receptacle models
- Simple, button-press programming to associate 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 plug-in dimming module (dimming mode)

- 💡 Incandescent/halogen lighting

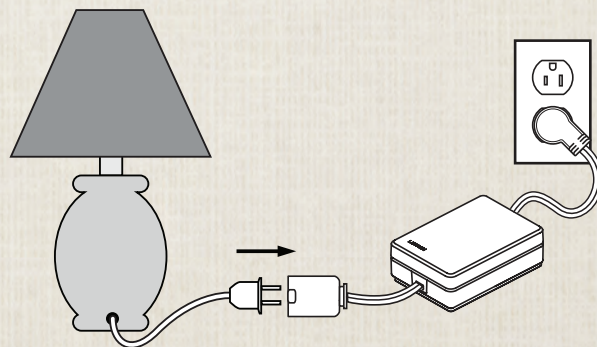
PowPak plug-in dimming module (switching mode)

- 💡 Incandescent/halogen lighting
- 💡/💡 CFL/LED lighting (screw-base)
- 💡 Magnetic low-voltage lighting
- 🔌 Electronic low-voltage lighting

PowPak plug-in 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 120V 300W | MRF2-3PD-1- XX ¹ |
| 3 receptacle cord 120V 300W | MRF2-3PD-3- XX ¹ |



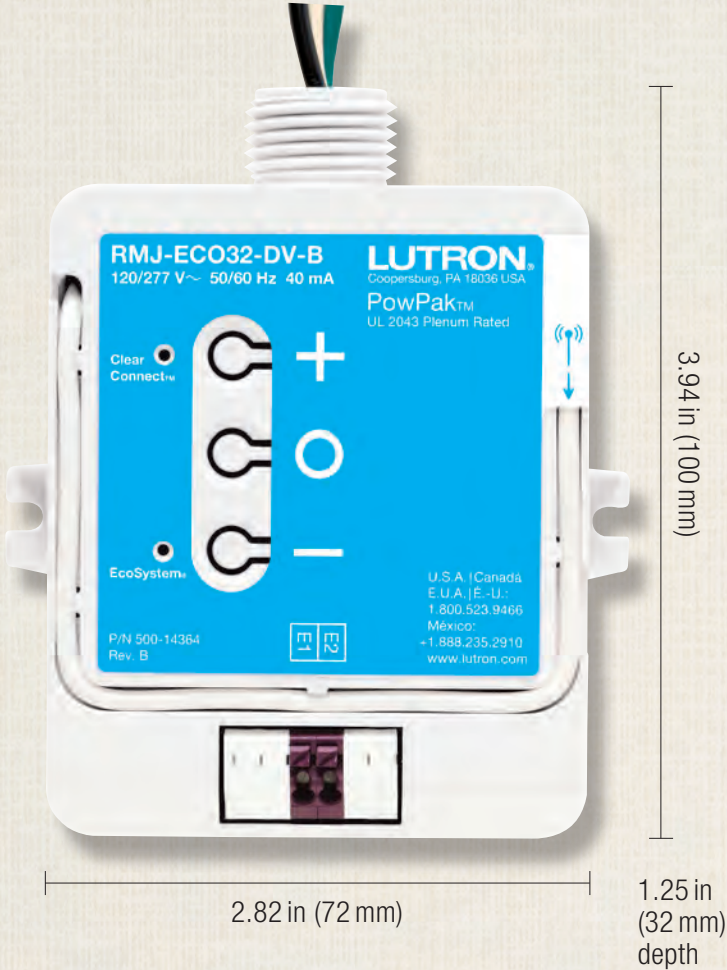
Switching modules

Plug-in appliance modules

| | |
|---|--------------------------------------|
| 1 receptacle cord 120V 15A (1/2HP motor) | MRF2-15APS-1- XX ¹ |
| 3 receptacle cord 120V 15A (1/2HP motor) | MRF2-15APS-3- XX ¹ |

XX¹: Matte color codes, see p. 168

* Minimum load required, see product specification for specifics



Shown actual size: PowPak dimming module with EcoSystem®



Not shown actual size:
PowPak 20A relay module

Features and capacities

- Receives input from up to 9 Pico® wireless remotes (see p. 178), 6 Radio Powr Savr™ occupancy/vacancy sensors (see p. 198), and 1 Radio Powr Savr daylight sensor (see p. 202) via Lutron reliable Clear Connect® RF technology*
- Save energy with the addition of occupancy/vacancy sensing, daylight harvesting, and personal control without the need for additional wires
- Simple button-presses associate the module with Radio Powr Savr sensors and Pico wireless remotes
- Button-press programming means no software commissioning is required
- 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 30 ft (10 m)
- Communicates at 434 MHz frequency

Direct load type compatibility

PowPak dimming modules

- ☑ Fluorescent
- ⊙ LED lighting

PowPak relay modules

- ☑ Switched lighting/fan/motor
- ☑ Receptacles

PowPak contact closure module

- ☑ Low-voltage resistive

* PowPak 20A relay module receives input from a total of 10 wireless controls maximum (Pico wireless remotes or Radio Powr Savr occupancy/vacancy sensors). It is not compatible with the Radio Powr Davr daylight sensor.

Dimming module with EcoSystem®



- EcoSystem technology facilitates individual ballast/driver addressing for control of ballasts/drivers individually and/or in groups
- Simple reconfiguration of the space is possible without having to move wires

Dimming module for 0–10V control



- 0–10V analog control is widely used in the fixture industry
- Automatically adjusts to both sink and source fluorescent and LED fixtures

EcoSystem fluorescent ballast/LED driver dimming module

PowPak dimming module with EcoSystem

32 ballasts/drivers RMJ-ECO32-DV-B
120/277V

For use with EcoSystem, EcoSystem H-Series and Hi-lume® 3D ballasts, Hi-lume 1%, Hi-lume 1% with Soft-on, Fade-to-Black™, Hi-lume Premier 0.1% and 5-Series LED drivers.

Use with EcoSystem dimming power module (C5-BMJ-16) to allow for control of 16A Lutron 3-wire fluorescent ballasts (Hi-lume 3D and EcoSystem) and LED drivers (Hi-lume 1% and Hi-lume Premier 0.1%)

0–10V fluorescent/LED fixture dimming module

PowPak dimming module for 0–10V control

60mA max control current RMJ-5T-DV-B
120/277V

Dimming module has maximum capacity of 5A or 60mA 0–10V sink, limited by whichever rating is achieved first.

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

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

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

Relay modules



- General purpose switch controls lighting, fan, and motor loads
- 5 A and 16 A models use patented Softswitch® technology to extend relay life to average 1,000,000 cycles
- 20 A model available to control 20 A receptacles
- Available with dry contact closure output for integration with third-party equipment; provides occupancy status

▲ Contact closure module

PowPak contact closure module

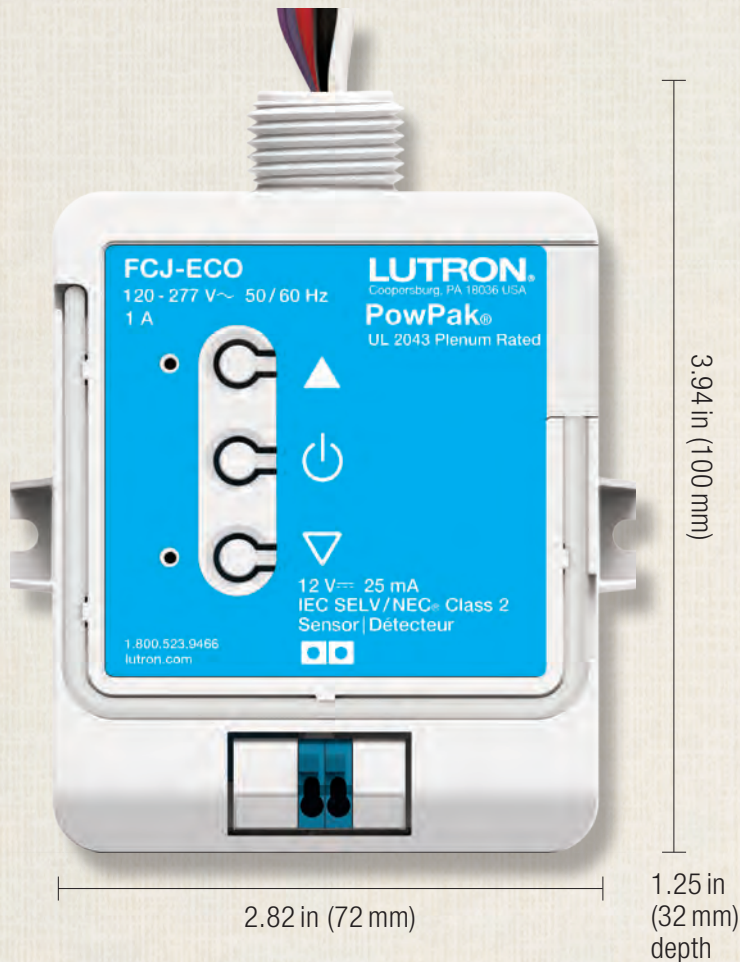
| | |
|--------------------------|---------------|
| 1 contact closure output | RMJ-CCO1-24-B |
| 24 V AC/DC | |

▲ Switching module

PowPak relay modules

| | |
|--|------------------|
| 5 A (1/6 HP – 120V, 1/3 HP – 277 V) 120/277 V | RMJ-5R-DV-B |
| 5 A (1/6 HP – 120V, 1/3 HP – 277 V) with contact closure output 120/277 V | RMJ-5RCCO1-DV-B |
| 16 A (1/2 HP – 120V, 1 1/2 HP – 277 V) 120/277 V | RMJ-16R-DV-B |
| 16 A (1/2 HP – 120V, 1 1/2 HP – 277 V) with contact closure output 120/277 V | RMJ-16RCCO1-DV-B |
| 20 A (1 HP – 120V, 2 HP – 277 V) 120/277 V | RMJ-H20R-DV-B |

Rated for: Incandescent/halogen, magnetic low-voltage, electronic low-voltage, fluorescents, CFLs, LEDs, general purpose fans, motor loads, and receptacles (20 A only).



Shown actual size: PowPak wireless fixture control module with EcoSystem

Features and capacities

- Transform any fixture into a wireless, intelligent luminaire with no control wiring between fixtures
- Controls either the Lutron EcoSystem® or 0–10V (by others) fluorescent ballasts/LED drivers
- Receives input from up to 10 Pico wireless remotes, (see p. 178), 10 Radio Powr Savr™ occupancy/vacancy sensors (see p. 198), and 1 Radio Powr Savr daylight sensor (see p. 202) via Lutron reliable Clear Connect® RF technology
- Compatible with the PowPak fixture sensor (see p. 176) which requires a 2-wire connection between sensor and control modules; wires are interchangeable to eliminate miswiring
- Simple button-presses associate the module with the Radio Powr Savr sensors and Pico wireless remotes
- Button press programming means no special commissioning is required
- Simplify set-up further by pairing with the PowPak fixture sensor which creates an access point to associate the control module with Pico wireless remotes and Radio Powr sensors and offers out-of-the-box occupancy sensing and daylighting
- One control module per fixture – makes BOM creation 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 30 ft (10 m)
- Communicates at 434 MHz frequency

Direct load type compatibility

- ☒ Fluorescent
- ☒ LED lighting

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 fluorescent and LED fixtures

EcoSystem fluorescent ballast/LED driver fixture control module

PowPak wireless fixture control module with EcoSystem

3 ballasts/drivers FCJ-ECO
120–277V

For use with EcoSystem, EcoSystem H-Series and Hi-lume® 3D ballasts, Hi-lume 1%, Hi-lume 1% with Soft-on, Fade-to-Black™, Hi-lume Premier 0.1% and 5-Series LED drivers.

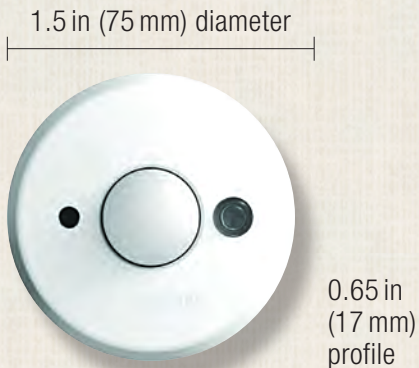
0–10V fluorescent/LED fixture control module

PowPak wireless fixture control module for 0–10V control

6mA max control current FCJ-010
120–277V

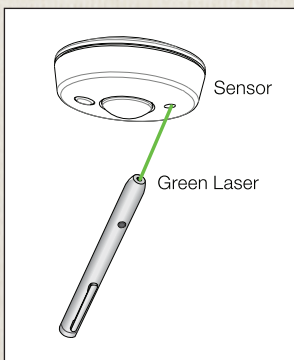
Fixture control module has maximum capacity of 3 ballasts/drivers, 1 A load or 6mA 0–10V sink, limited by whichever rating is achieved first.

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



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 PowPak wireless fixture control modules (see p. 174)
- Simplifies set-up 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 set-up
- 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 150 fc)
- 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

Occupancy/daylight sensor

Ceiling- or fixture-mount

FC-SENSOR

Vacancy/daylight sensor



- Manual on/auto-off only
- California Title 24 compliant
- 360° field-of-view
- Daylighting via Lutron reliable closed loop proportional control

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 ² (25.5 m ²) |
| 9 ft (2.7 m) | 17 X 17 ft (5.2 X 5.2 m) | 300 ft ² (27.8 m ²) |
| 10 ft (3.0 m) | 18 X 18 ft (5.5 X 5.5 m) | 325 ft ² (30.2 m ²) |
| 12 ft (3.7 m) | 19 X 19 ft (5.8 X 5.8 m) | 375 ft ² (34.8 m ²) |



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 or a group of lights/shades
- Can be wall-mounted, mounted on a tabletop pedestal, kept on a car visor clip, or used as a handheld control; adhesive-mount for stand-alone wall mounting included with Pico wireless remote, all other mounting accessories sold separately (see p. 186)
- Simple to install in single-gang 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: GRAFIK T™ (see p. 14), Caséta® Wireless (see p. 136), Maestro Wireless® (p. 153), RF switch (see p. 160), PowPak plug-in modules (see p. 168), PowPak® remote-mount modules (see p. 170), PowPak wireless fixture control modules (see p. 175) and Serena® battery-powered shades (see p. 212)
- 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 finishes

(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

Pedestal finishes



3-button
with raise/lower



3-button
with raise/lower
with nightlight



4-button



WH
White

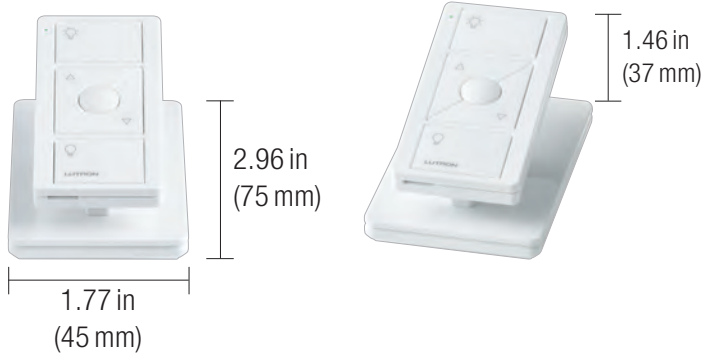


BL
Black

Mounting options

Single pedestal for tabletops

(L-PED1-)



Dual pedestal for tabletops

(L-PED2-)



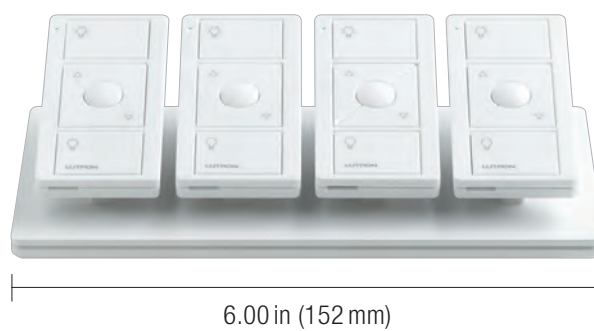
Triple pedestal for tabletops

(L-PED3-)



Quad pedestal for tabletops

(L-PED4-)

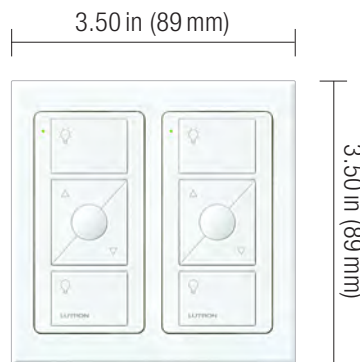


Wall-mount

(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

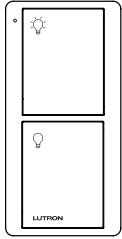
(PICO-CAR-CLIP)



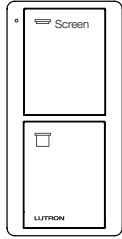
Labeling options with model number labeling codes

Button Marking Codes:

2-button

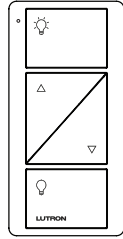


Light
(L01)

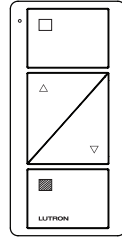


Screen
(S08)

2-button with raise/lower

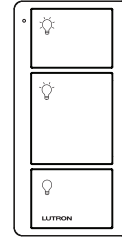


Light
(L01)



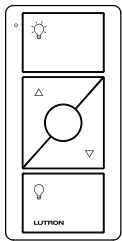
Shade
(S01)

3-button

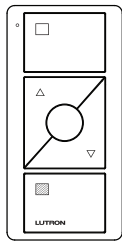


Light
(L01)

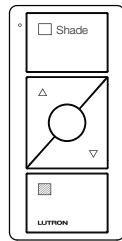
3-button with raise/lower



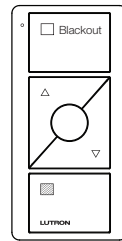
Light
(L01)



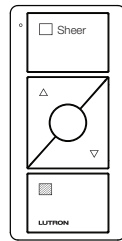
Shade
(icons)
(S01)



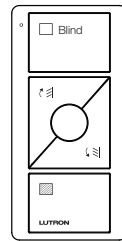
Shade
(text)
(S02)



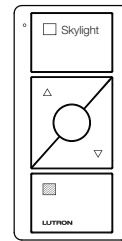
Blackout
(S03)



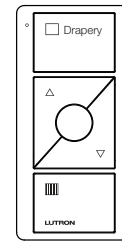
Sheer
(S04)



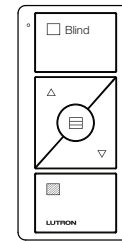
Blind
(S05)



Skylight
(S06)



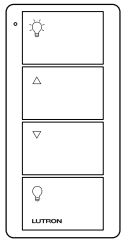
Drapery
(S07)



Horizontal
Sheer Blind
(S09)

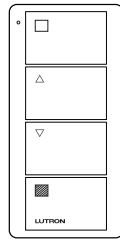
Labeling options with model number labeling codes

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

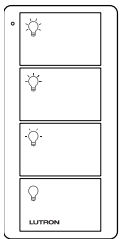
Lights
(L01)



- < **OPEN button**
Shades open fully
- < **Raise button**
Shades open gradually
- < **Lower button**
Shades close gradually
- < **CLOSE button**
Shades close fully

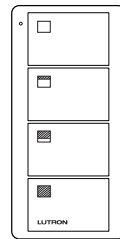
Shades
(S01)

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

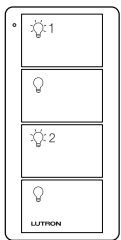
Lights
(L31)



- < **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

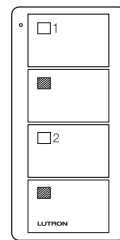
Shades
(S31)

4-button 2-group controls



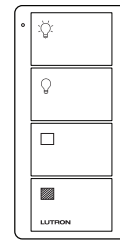
- < **ON button #1**
Lights brighten to full intensity
- < **OFF button #1**
Lights dim to off
- < **ON button #2**
Lights brighten to full intensity
- < **OFF button #2**
Lights dim to off

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 XX ¹ -L01 |
| Screen text | PJ2-2B-G XX ¹ -S08 |

Pico wireless remote with night light

2-button

| | |
|------------|--------------------------------------|
| Light icon | PJN-2B-G XX ¹ -L01 |
|------------|--------------------------------------|

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 XX ¹ -L01 |
| Shade icon | PJ2-2BRL-G XX ¹ -S01 |

XX¹: Gloss color codes, see p. 179

3-button wireless remotes



- On/off and preset button
- Light icon engraving

Pico wireless remote

3-button

| | |
|------------|-------------------------------------|
| Light icon | PJ2-3B- XX ¹ -L01 |
|------------|-------------------------------------|

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 XX ¹ -L01 |
| Shade icon | PJ2-3BRL-G XX ¹ -S01 |
| Shade text | PJ2-3BRL-G XX ¹ -S02 |
| Blackout text | PJ2-3BRL-G XX ¹ -S03 |
| Sheer text | PJ2-3BRL-G XX ¹ -S04 |
| Blind text | PJ2-3BRL-G XX ¹ -S05 |
| Skylight text | PJ2-3BRL-G XX ¹ -S06 |
| Drapery text | PJ2-3BRL-G XX ¹ -S07 |
| Horizontal sheer blind text | PJ2-3BRL-G XX ¹ -S09 |

Caséta® Wireless Pico wireless remote

3-button with raise/lower

| | |
|------------|--|
| Light icon | PJ2-3BRL- XX ² -L01R |
|------------|--|

3-button with raise/lower, wallplate and wallbox adapter

| | |
|------------|-----------------|
| Light icon | PJ2-WALL-WH-L01 |
|------------|-----------------|

Pico wireless remote with night light

3-button with raise/lower

| | |
|------------|--|
| Light icon | PJN-3BRL-G XX ¹ -L01 |
|------------|--|

XX¹: Available in Gloss colors, see p. 179

XX²: 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 XX ¹ -L31 |
| Light custom | PJ2-4B-G XX ¹ -EL2 |
| Shade icon | PJ2-4B-G XX ¹ -S31 |
| Shade custom | PJ2-4B-G XX ¹ -ES2 |

Caséta® Wireless Pico wireless remote PRO

4-button scene (3-scene control)

| | |
|------------|--------------------------------------|
| Light icon | PJ2-4B- XX ¹ -L31P |
|------------|--------------------------------------|

Pico wireless remotes

4-button 2-group

| | |
|------------------|---------------------------------------|
| Light icon | PJ2-4B-G XX ¹ -L21 |
| Shade icon | PJ2-4B-G XX ¹ -S21 |
| Light/shade icon | PJ2-4B-G XX ¹ -LS21 |

Caséta® Wireless Pico wireless remote PRO

4-button 2-group (switch control)

| | |
|------------|--------------------------------------|
| Light icon | PJ2-4B- XX ¹ -L21P |
|------------|--------------------------------------|

XX¹: 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 XX ¹ -L01 |
| Light custom | PJ2-4B-G XX ¹ -EL1 |
| Shade icon | PJ2-4B-G XX ¹ -S01 |
| Shade custom | PJ2-4B-G XX ¹ -ES1 |

Caséta® Wireless Pico wireless remote PRO

4-button zone (dimming control)

| | |
|------------|--|
| Light icon | PJ2-4B- XX ¹ -L01P |
|------------|--|

- ~~XX~~¹**: Available in Gloss White (WH), Black (BL), Ivory (IV), and Light Almond (LA)
- ~~XXX~~²**: Available in Arctic White (TAW), and Black (TBL)
- ~~XX~~³**: Available in Bright Chrome (BC), Satin Nickel (SN), and Satin Brass (SB)
- ~~XXX~~⁴**: Available in Green Glass (GWH) and Clear Glass (CWH)
- ~~XX~~⁵**: Available in Gloss White (WH) and Black (BL)

Accessories

Screw-mount kit

| | |
|--------------|-------------|
| Mounting kit | PICO-SM-KIT |
|--------------|-------------|

Kit recommended for stand-alone mounting, includes screws to be used for permanent mounting and/or mounting to non-smooth surfaces.

Wallbox adapter

| | |
|---------|----------------|
| Adapter | PICO-WBX-ADAPT |
|---------|----------------|

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- XXX ² |
| Single wallplate | LPFP-S1- XX ³ |
| Single wallplate | LFGP-S1- XXX ⁴ |
| Double wallplate | LPFP-S2- XXX ² |
| Double wallplate | LPFP-S2- XX ³ |
| Double wallplate | LFGP-S2- XXX ⁴ |

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- XX ⁵ |
| Dual pedestal | L-PED2- XX ⁵ |
| Triple pedestal | L-PED3- XX ⁵ |
| Quad pedestal | L-PED4- XX ⁵ |




Car visor clip

| | |
|------|---------------|
| Clip | PICO-CAR-CLIP |
|------|---------------|



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 both 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 CFL/LED 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. 237

Direct load type compatibility

Dimmer

-  Incandescent/halogen lighting
-  Dimmable CFL/LED lighting (screw-base)
-  Fluorescent lighting
-  LED lighting

Switch

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

Lighting load interfaces are not compatible with this family.

Available finishes

Use **BOLD** color code in model number (Example: MS-OP600M-**MN**)

Gloss finishes*



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



GR
Gray



BR
Brown



BL
Black

Satin Colors® finishes*



SW
Snow



LS
Limestone



BI
Biscuit



ES
Eggshell



PD
Palladium



TP
Taupe



ST
Stone



BG
Bluestone



PL
Plum



SG
Sea Glass



TQ
Turquoise



GS
Goldstone



DS
Desert Stone



GB
Greenbriar

Metal finish wallplate**



MS
Mocha Stone



TC
Terracotta



SI
Sienna



HT
Hot



MR
Merlot



MN
Midnight



SS
Stainless Steel

* Coordinating wallplates only available separately. For wallplate information, see p. 236.

** Stainless Steel 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 p. 236.

Dimmer sensors



- Passive infrared (PIR) sensor with Lutron exclusive XCT™ technology
- C·L® dimmer sensor provides reliable dimming of dimmable CFLs/LEDs, 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. 63



Incandescent/halogen dimmers



Dimmable CFL/LED (screw-base) dimmers

Digital fade C·L® dimmer occupancy/vacancy sensor *

Multi-location/3-way**/ MSCL-OP153M-**XX**!
single-pole
120V 600W (Inc) 150W (CFL/LED)

Visit www.lutron.com/dimcfiled for an approved list of dimmable CFL/LED bulbs, and how 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**!
single-pole
120V 600W (Inc) 150W (CFL/LED)

Visit www.lutron.com/dimcfiled for an approved list of dimmable CFL/LED bulbs, and how to calculate wattage when mixing lamp types.

Adjustable low-end trim

XX!: Gloss and Satin Colors® codes, see p. 189

Wallplates not included. Order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors.

All models must be derated if ganged, unless otherwise noted, see pp. 250–252 and 254

* Minimum load required, see specification submittal

** Works with standard mechanical 3-way switch

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

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

| | |
|---------------------------|---------------------------------|
| 3-way*/single-pole | MS-Z101- XX ¹ |
| 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 ballast/driver manufacturer for specific ballast/driver current draw to determine maximum number of ballasts/drivers per control.

Compatible with any IEC 60929 Annex E compliant ballast or driver, available from many manufacturers (check for IEC 60929 compliance on the specification sheet of the designed ballast or driver, 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 ¹ |
| 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 ballast/driver manufacturer for specific ballast/driver current draw to determine maximum number of ballasts/drivers per control.

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

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 189

Wallplates not included. Order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.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. 63



Switches

Single-circuit PIR occupancy/vacancy sensor switches

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

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

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

No derating required if ganged.

XX!: Gloss and Satin Colors® codes, see p. 189
Wallplates not included, order separately, see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

* Ground connection required

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

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

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

No derating required if ganged.

Single-circuit dual-technology occupancy/vacancy sensor switches

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

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

No derating required if ganged.

Single-circuit dual-technology vacancy sensor switches

| | |
|---|-----------------------------------|
| Single-pole | MS-A102-V- XX ¹ |
| 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- XX ¹ |
| 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, fluorescents, CFLs, LEDs, general purpose fans, and motor loads.

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 189
Wallplates not included, order separately,
see p. 236

For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

* Ground connection required

** 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**¹

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

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

No derating required if ganged.

Dual-circuit PIR partial-on sensor switch

Single-pole MS-PPS6-DDV-**XX**¹

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

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

No derating required if ganged.

Dual-circuit dual-technology occupancy sensor switches

Single-pole MS-A202-**XX**¹

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

3-way†/single-pole* MS-B202-**XX**¹

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

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

No derating required if ganged.

XX¹: Gloss and Satin Colors® codes, see p. 189
Wallplates not included, order separately, see p. 236

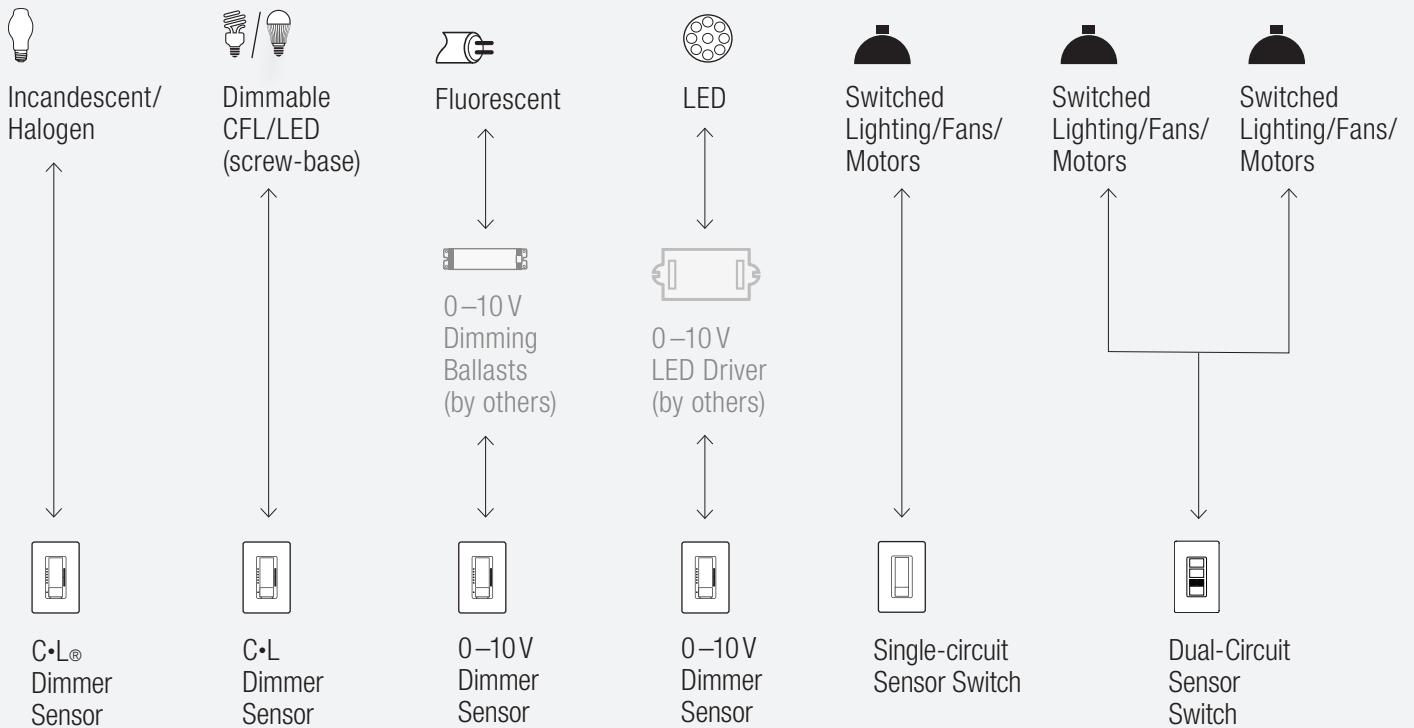
For more information on occupancy/vacancy sensors, visit www.lutron.com/occsensors

* **Requires neutral wire connection**

† Works with standard mechanical 3-way switch

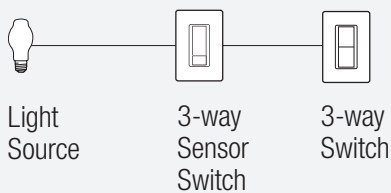
Connections overview

Load connections*

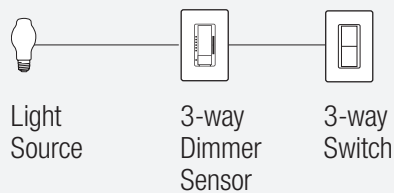


Control types (for up to 2 locations)

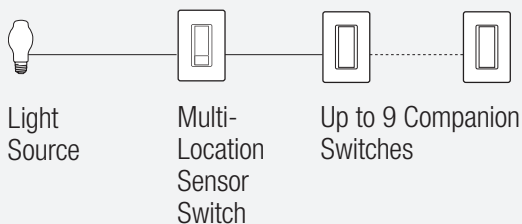
Switch from 2 locations



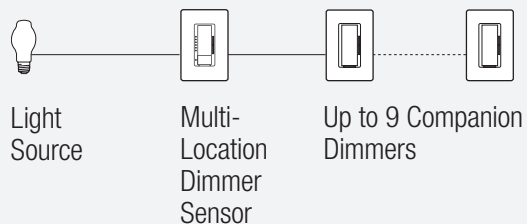
Dim from one location, switch from another



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

4.75 in (121 mm)



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

For more information
about Designer wallplates,
see p. 236.

4.69 in (119 mm)

.30 in (7.6 mm)
profile

Coordinated electrical devices



Tamper resistant self-testing GFCI receptacle

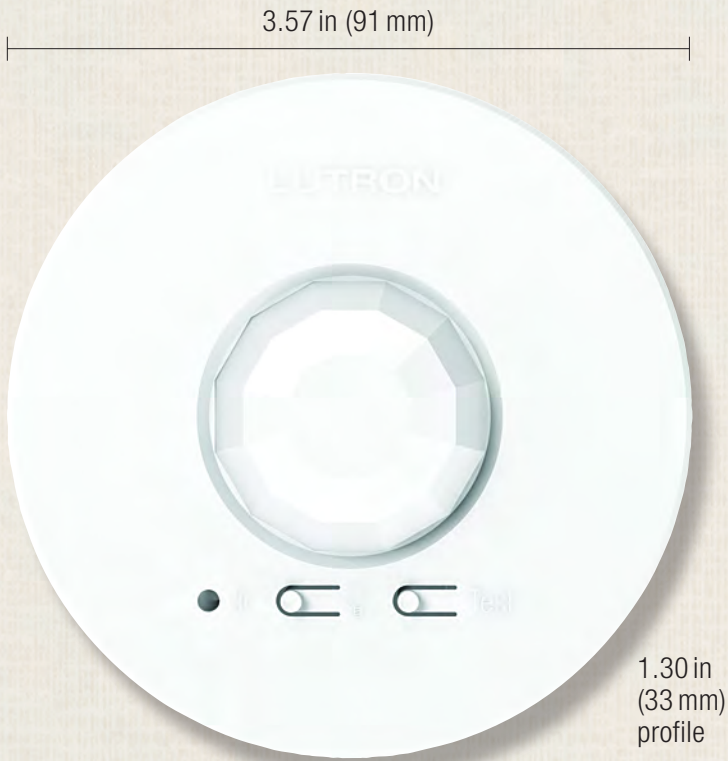


Customizable 6-port frame



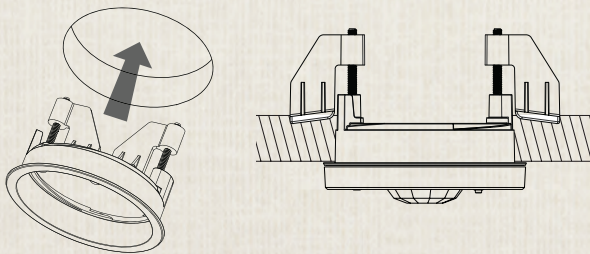
Cable jack

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



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: GRAFIK T™ (see p. 14), Caséta® Wireless (see p. 136), Maestro Wireless® (see p. 152), RF switch (see p. 160), PowPak® plug-in modules (see p. 168), PowPak remote-mount modules (see p. 170), PowPak wireless fixture control modules (see p. 174), and Lutron stairwell fixtures (see p. 204)
- 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 stand alone 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

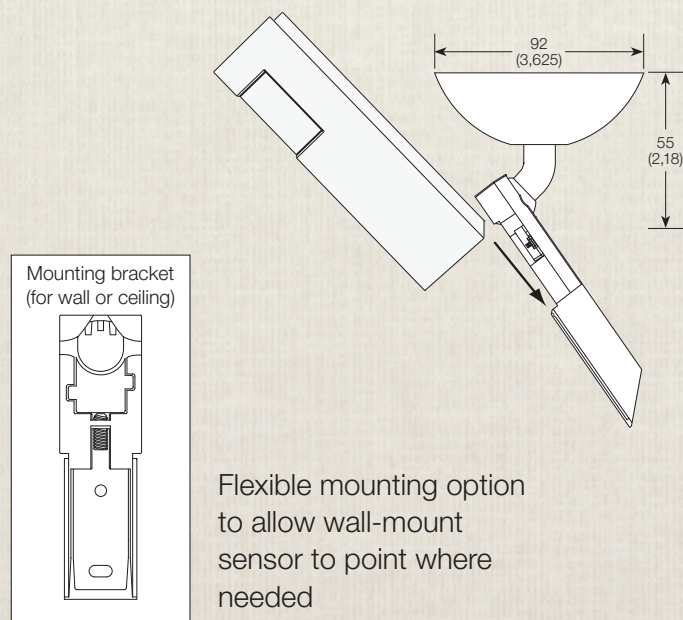
| | |
|--|-------------|
| Accessory kit | L-CMDPIRKIT |
| 10 temporary mounting strips and 10 PIR lens masks | |
| Recess-mounting bracket | L-CRMK-WH |

| 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 ² (30.2 m ²) |
| 9 ft (2.7 m) | 20 x 20 ft (6.1 x 6.1 m) | 400 ft ² (37.2 m ²) |
| 10 ft (3.0 m) | 22 x 22 ft (6.7 x 6.7 m) | 484 ft ² (44.9 m ²) |
| 12 ft (3.7 m) | 26 x 26 ft (7.9 x 7.9 m) | 676 ft ² (62.4 m ²) |



Shown actual size: Radio Powr Savr wall-mount occupancy/vacancy sensor in White (WH)

Flexible mounting armature (sold separately)



Flexible mounting option to allow wall-mount sensor to point where needed

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: GRAFIK T™ (see p. 14), Caséta® Wireless (see p. 136), Maestro Wireless® (see p. 152), RF switch (see p. 160), PowPak® plug-in modules (see p. 168), PowPak remote-mount modules (see p. 170), PowPak wireless fixture control modules (see p. 174), and Lutron stairwell fixtures (see p. 204)
 - 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 stand alone 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

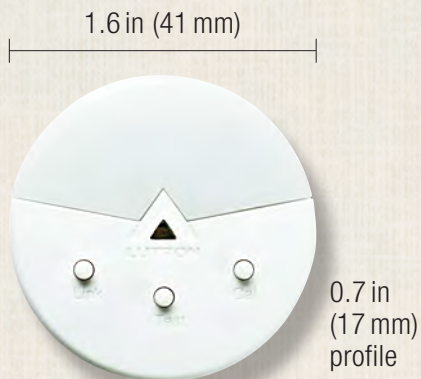
| | |
|----------------------------|------------|
| Flexible mounting armature | LRF-ARM-WH |
|----------------------------|------------|

Wall/corner wireless sensor major motion coverage range

| Mounting | Maximum room dimensions for complete floor coverage | Square feet |
|----------|---|---|
| Wall | 50 x 60 ft (15.2 x 18.3m) | 3000ft ² (278.7 m ²) |
| Corner | 50 x 50 ft (15.2 x 15.2m) | 2500ft ² (232.3 m ²) |

Hallway mount wireless sensor major motion coverage range

| Width of hall | Length of hall |
|-----------------------|----------------|
| 6 ft (1.6m) or less | 50 ft (15.2 m) |
| 8 ft (2.4m) | 100 ft (30.5m) |
| 10 ft (3.06m) or more | 150 ft (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: GRAFIK T™ (see p. 14), Maestro Wireless® (see p. 152), PowPak plug-in modules (see p. 168), PowPak® remote-mount modules (see p. 170), and PowPak wireless fixture control modules (see p. 174)
- 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 one sensor per RF device; one 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

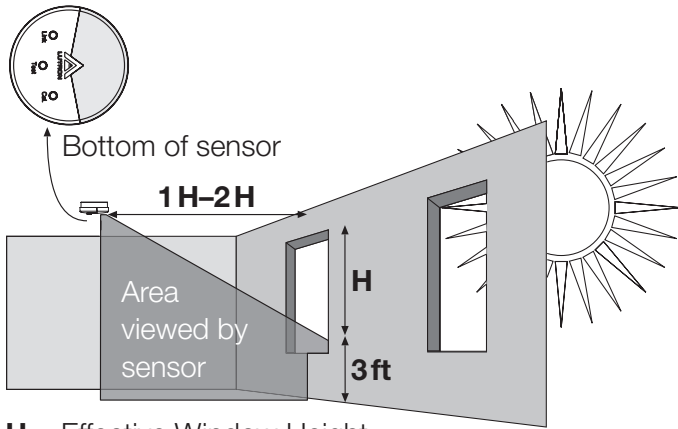
| | |
|---------------|--------------|
| Ceiling-mount | LRF2-DCRB-WH |
|---------------|--------------|

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

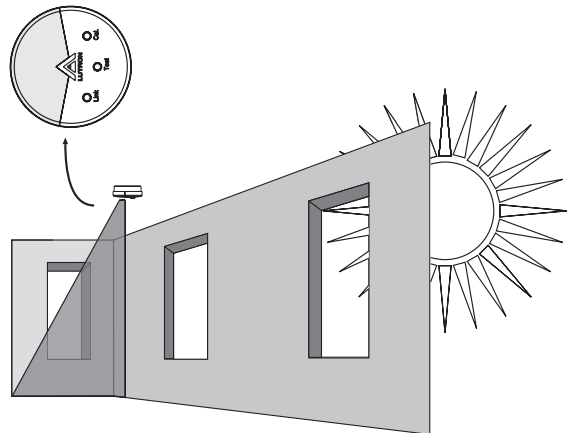
Arrow points toward the area viewed by the sensor (toward windows)



H = Effective Window Height

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

4 ft 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
- 2 ft model also available

Related components

(required for the solution to work)



Radio Powr Savr™
occupancy sensors
(see p. 198)

How to order a stairwell LED fixture

Example model number

(4ft, low power, 20W 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 = 2ft Low Power 15W, 1500lm

2H = 2ft High Power 30W, 3000lm

4L = 4ft Low Power 20W, 2000lm

4H = 4ft High Power 40W, 4000lm

8ft vandal-resistant, 347V, 3500K color temperature, differing preset occupied/unoccupied, emergency power level and custom options available. Contact fixtures customer service at 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

4 ft 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
- 2 ft and 8 ft models also available

Related components

(required for the solution to work)



Radio Powr Savr™ occupancy sensors (see p. 198)

How to order a stairwell fluorescent fixture

Example model number

(4ft, 2 lamp, 32W 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 = 2ft
14 = 4ft
18 = 8ft

- 5 Lens options**
SL = Standard Lens

- 6 Lamps**
1 = 1 Lamp
2 = 2 Lamps
4 = 4 Lamps (8ft only)

- 7 Lamp type**
14 = 14 W T5HE (2ft only)
17 = 17 W T8 (2ft only)
24 = 24 W T5HO (2ft only)
28 = 28 W T5HE (4ft only)
32 = 32 W T8 (4ft only)
54 = 54 W T5HO (4ft, 1 lamp only)
RW = 25, 28, 30W T8,
Reduced Wattage (4ft 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

347V, differing preset occupied/unoccupied, emergency and custom options available. Contact fixtures customer service at fixtures@lutron.com

Kit includes:



Pre-wired ballast



Wireless control and wallplate



Rapid-start sockets (optional)



Stairwell retrofit kit solution (up to three kits per box)

The stairwell retrofit kit solution allows you to transform high-cost/high-maintenance fluorescent 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 ft, 3 ft, 4 ft, or 8 ft 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 p. 198)

How to order a stairwell retrofit kit solution

Example model number

(2ft 2 lamp, 17 W 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 = Fixtures Retrofit Kit Solution

- 2 Family**
SW = Stairwell

- 3 Fixture type**
XX = Standard

- 4 Size**
12 = 2 ft
13 = 3 ft
14 = 4 ft
18 = 8 ft

- 5 Lamps**
1 = 1 Lamp
2 = 2 Lamps
3 = 3 Lamps (T8 only)
4 = 4 Lamps

- 6 Lamp type**
14 = 14 W T5HE (2 ft only)
17 = 17 W T8 (2 ft only)
21 = 21 W T5HE (3 ft only)
24 = 24 W T5HO (2 ft only)
25 = 25 W T8 (3 ft only)
28 = 28 W T5HE (4 ft only)
32 = 32 W T8 (4 ft only)
39 = 39 W T5HO (3 ft only)
54 = 54 W T5HO (4 ft only)
RW = 25, 28, 30 W T8
 Reduced Wattage (4 ft only)

- 7 Region**
U = UL – North America

- 8 Control options**
82 = 80% Occupied, 20% Unoccupied

- 9 Socket options**
XX = None
SK = Sockets*

* Two rapid-start sockets per lamp; each lamp gets 18" of power leads (white, black) and 40" of lamp leads (yellow, blue) per lamp.

Custom options available. Contact fixtures customer service at fixtures@lutron.com

Highest performance dimming to 0.1%* with Soft-On, Fade-to-Black™



Shown: Hi-lume 0.1% Premier LED driver, PL-case
Model number: L3DO-96W24V-U

The Hi-lume 0.1% Premier LED driver provides the highest performance solution for cove, under-cabinet and façade lighting, and other applications that utilize LED strip or linear bars. It offers smooth and continuous dimming down to 0.1% of output voltage, and fades smoothly between 0% and low-end when turned on and off for an incandescent-like experience.

Operating Voltage

- Universal input (120–277 V @ 50/60 Hz)

Control options

- EcoSystem™ digital link
- 3-wire control

Lamp types and wattages

- Strip/tape lighting and light bars, up to 96 W

Available case types

- PL-case

LED operating specifications

Constant Voltage

- 24 V Class 2
- Pulse width modulation (PWM) dimming

Key Standards

- UL 8750 Listed for remote installation outside of an appropriate fixture
- FCC Part 15 compliant for commercial and residential applications at 120 to 277 V
- Meets ANSI C62.41 category A surge protection standards up to and including 4 kv
- ROHS compliant
- Class 2 output

Features

- Continuous, flicker-free dimming from 100% to 0.1%
- Soft-On, Fade-to-Black between 0.1% and off for a smooth incandescent experience
- Field adjustable output voltage**
- Rated lifetime of 50,000 hours at maximum case temperature
- Guaranteed dimming performance when used with Lutron EcoSystem or 3-wire controls
- EcoSystem digital link allows for rezoning without rewiring, and can be wired as Class 1 or Class 2 — perfect for retrofit and new construction
- Optional Class 1 or Class 2 barrier for wiring compartment included
- Low-voltage, 2-conductor EcoSystem digital link provides individual, reconfigurable fixture control
- Standard 3-wire line-voltage phase-control technology for guaranteed dimming performance with all Lutron 3-wire fluorescent dimmers
- Protected from miswires of input power to EcoSystem control inputs
- Non-volatile memory restores all driver settings after power failure
- Instant light output at any level when turned on, without flashing to full on

Specifications

- 100% end-of-line performance tested
- Typical standby power consumption: 0.2W at 120V~ and 0.3W at 277V~
- Power factor greater than 0.95 at maximum power
- Meets NEMA 410-2011 in-rush current limits
- Turn-on time of less than 100ms from electronic off

Environment

- Sound rating: Class A (inaudible in a 24 dB ambient environment)
- Maximum case temperature is 167°F (75°C)

Mounting

- Typically mounts independently, surface-mount utilizing mounting holes

Wiring

- **EcoSystem digital link:** Requires four wires (E1, E2, Constant Hot/Live, and Neutral) plus Ground; one 12–20AWG (0.52 mm² to 3.31 mm²) solid copper Class 1 wire per terminal; E1/E2 wires may also be run Class 2
- **3-wire:** Requires three wires (Dimmed Hot, Switched Hot, and Neutral) plus Ground; one 12–20AWG (0.52 mm² to 3.31 mm²)
- The 12AWG control wire must not exceed 2200 ft (828 m) and the 20 AWG control wire must not exceed 352 ft (113 m)
- Maximum driver-to-LED light engine length up to 150 ft (45 m); see specification submittal for wiring limitations
- Driver is grounded by a terminal connection

* Light output at 0.1% depends on the efficacy of the light engine used with the driver

** For more information, consult Lutron Application Note, Hi-lume Premier 0.1% Voltage Output Wiring and Voltage Adjustment, at www.lutron.com/applicationnotes



Product family features

- Battery-powered, wire-free, remote controlled shades
- Ultra-quiet operation
- Radio frequency control uses Lutron Clear Connect® radio frequency (RF) technology, which provides reliable RF communication with Pico® wireless remotes (see p. 178)
- Lutron power technology utilizes a hybrid drive design and ultra-efficient standby power, which provides long battery life
- Lutron exclusive Tap n' Tilt technology makes changing the batteries effortless, without ever removing the shade
- Cordless design creates a safe solution for homes with children and pets
- Adjust shades with a handheld or wall-mounted remote control from anywhere in the room
- Set multiple shades in motion with a single button press
- Shades are offered in a variety of fabrics, colors, styles and textures; room darkening fabrics enhance privacy
- Air pockets trap heat to provide superior insulation for enhanced HVAC energy efficiency
- RF shades communicate at 434 Hz frequency
- Manual version also available
- For more information visit www.lutron.com/serena

Fabric collections



Serena® honeycomb shades are available in a variety of opacities and colors.

Cyprus (light-filtering or room-darkening) traditional neutrals

Monaco (light-filtering or room-darkening) warm tints in spun lace

Rio (light-filtering or room-darkening) a variety of colors from whites and tans to bold hues that pop

Sedona (light-filtering) airy sheers in a natural palette

Prague (light-filtering) earth tones paired with woven linen

Napa (light-filtering) textured, soft neutral tones and rich browns

Check out our wide range of colors at www.lutron.com/Serena or download the **Lutron Fabric Collections app** on the App Store.

Note: Light transmittance can affect color appearance of light-filtering fabrics.

Honeycomb shades

A stylish, functional, automated shade that adds convenience, enhances your décor, and saves energy.

When selecting a shade fabric, you don't need to sacrifice fashion for function. 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.



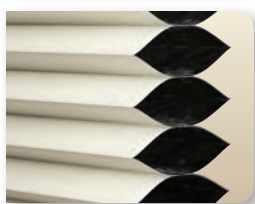
Light-filtering – Single-cell

- 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

Mounting options

Inside mount



- Mounts inside the window frame
- Customized to window width and height

Outside mount



- Mounts either on or above the window frame and extends to the edge of the molding
- Customized to window width and height

Remote control options

Radio frequency (RF) remote control



- Communicates using Lutron reliable Clear Connect® RF technology
- Choose from a single-group Pico® wireless remote or a 4-group control
- Ideal for a window with drapery, a valance, or a cornice because the remote's signal doesn't require line-of-sight
- For more information on Pico wireless remotes, see p. 178

• Pico mounting options



Wall-mount



Tabletop
pedestal



Handheld



Product family features

- Battery-powered, wire-free, remote controlled shades
- Ultra-quiet operation
- Uses Lutron Clear Connect® radio frequency (RF) technology, which provides reliable RF communication with Pico® wireless remotes (see p. 178)
- Lutron power technology utilizes a hybrid drive design and ultra-efficient standby power, which provides a long battery life
- Innovative headrail simply tips forward to reveal the battery tray making changing the batteries effortless, without ever removing the shade
- Cordless design creates a safe solution for homes with children or pets
- Adjust shades with a handheld or wall-mounted remote control from anywhere in the room
- Set multiple shades in motion with a single button press
- Shades are offered in a variety of fabrics, colors, styles and textures; translucent and blackout fabrics enhance privacy
- Communicates at 434MHz frequency
- Manual version also available
- For more information visit www.lutron.com/serena

Fabric collections



Serena® roller shades are available in over 75 fabrics, including cool hues and bold colors that pop.

Palette (blackout and translucent) a wide array of colors ranging from nature-inspired hues to vibrant bolds (blackout fabrics are the same color on both sides)

Sheerlite 3 and Sheerlite 5 (sheer) solar screen fabrics with two-toned color weaves

Hue (blackout) a timeless color palette with classic neutrals and standard bolds (fabric is dual-sided with a white backing)

Monomer (sheer) delicate linens in warm neutrals

Bistre (sheer) textured linens in simple, classic tones

Format (sheer) smooth fabrics in colors that range from sophisticated whites to deep neutrals

Ream (sheer) a warm selection of bolds with a subtle shimmer

Loom (translucent) woven, natural fibers in warm earth tones

Check out our wide range of colors at www.lutron.com/Serena or download the **Lutron Fabric Collections app** on the App Store.

Note: Light transmittance can affect color appearance of sheer and translucent fabrics.

Roller shades

A contemporary and stylish window treatment that combines superior functionality with a clean and elegant aesthetic.

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 you don't need complete privacy



Translucent

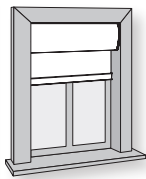
- Tighter weaves transform harsh daylight into a soft, filtered glow
- Provides increased privacy for spaces like bathrooms



Blackout

- Opaque fabrics block light from entering the space
- Ideal for bedrooms and media rooms for complete privacy

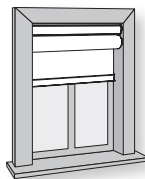
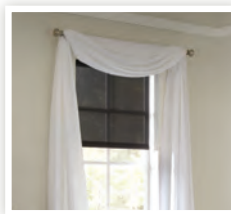
Top treatment options



Roller shade with fascia—

for a complete, finished look

- Fabric-wrapped fascia matches the roller shade fabric



Roller shade without fascia—

for windows that will use a separate, custom top treatment

- Versatile design that works with cornices, swags, drapery, or valances

* Matching cordless manual shade options are also available.

Remote control options

Radio frequency (RF) remote control



- Communicates using Lutron reliable Clear Connect® RF technology
- Choose from a single-group Pico® wireless remote or a 4-group control
- Ideal for a window with drapery, a valance, or a cornice because the remote's signal doesn't require line-of-sight
- For more information on Pico wireless remotes, see p. 178

• Pico mounting options



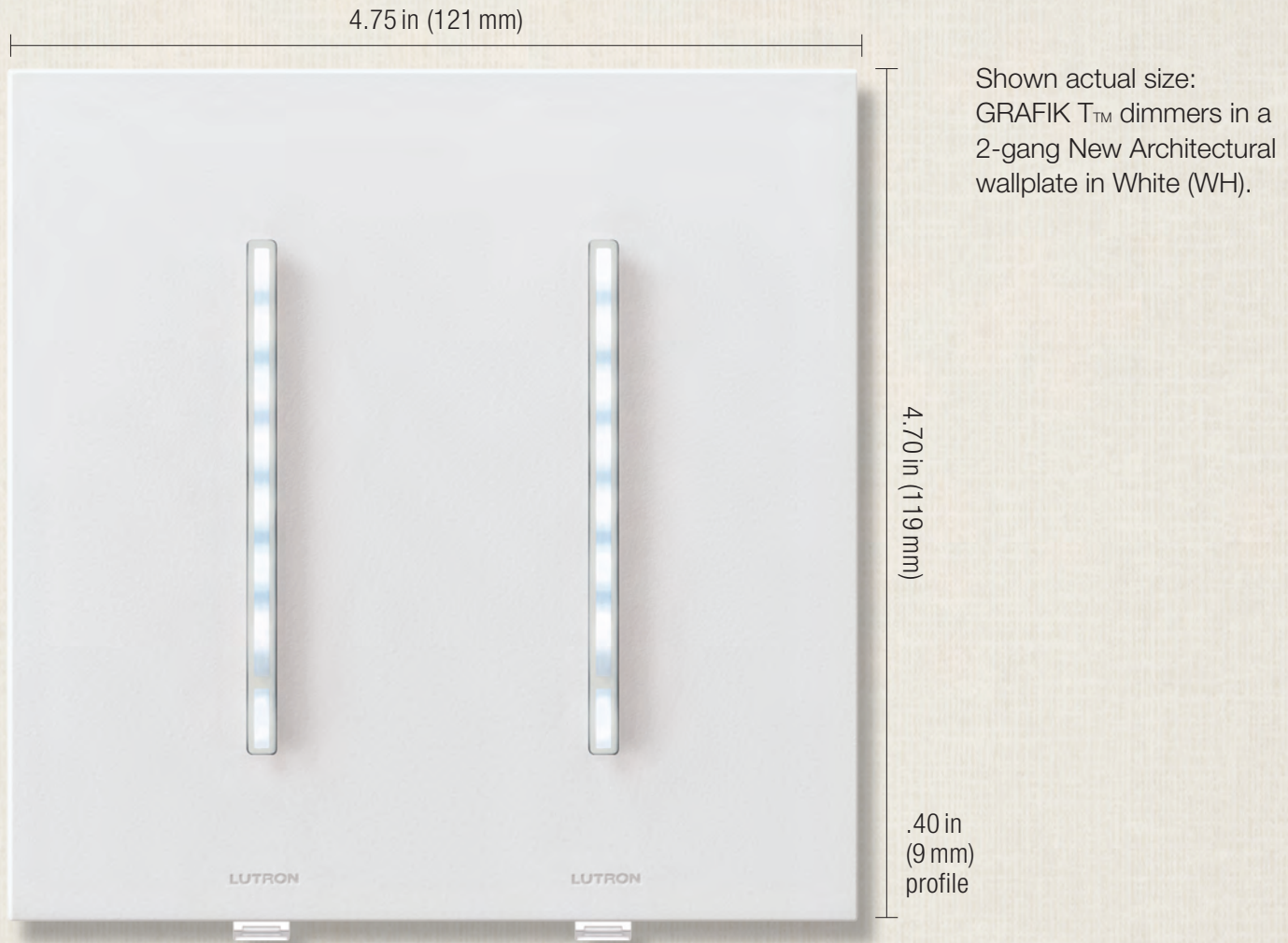
Wall-mount



Tabletop
pedestal



Handheld



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 to get started; 1.888.LUTRON1

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. 248–249

Available finishes

Architectural matte finishes



WH
White

LA
Light Almond

AL
Almond

BE
Beige

IV
Ivory

TP
Taupe



GR
Gray

SI
Sienna

BR
Brown

BL
Black

Architectural metal finishes



BN
Bright Nickel

BC
Bright Chrome

SC
Satin Chrome

SN
Satin Nickel

BB
Bright Brass

SB
Satin Brass

Architectural glass finish



CWH
Clear Glass

Wallplates for GRAFIK T™ controls and New Architectural accessories



1-gang, for one dimmer or switch LWT-G-**XX**¹
 1-gang, for one dimmer or switch LWT-G-**XXX**²
 W: 2.90in (75mm); H: 4.70in (119mm);
 P: .40in (9mm)



1-gang, for one accessory LWT-U-P-**XX**¹
 1-gang, for one accessory LWT-U-P-**XXX**²
 W: 2.90in (75mm); H: 4.70in (119mm);
 P: .40in (9mm)



2-gang, for two dimmers LWT-GG-**XX**¹
 or switches
 2-gang, for two dimmers LWT-GG-**XXX**²
 or switches
 W: 4.75in (121mm); H: 4.70in (119mm);
 P: .40in (9mm)



2-gang, for two accessories LWT-U-PP-**XX**¹
 2-gang, for two accessories LWT-U-PP-**XXX**²
 W: 4.75in (121mm); H: 4.70in (119mm);
 P: .40in (9mm)

XX¹: Architectural matte and metal color codes, see p. 221

XXX²: Architectural glass color code, see p. 221

Multi-gang dimmer installations may require derating, see pp. 248–249.

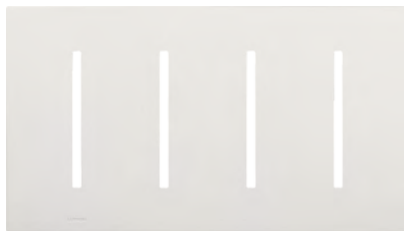
Wallplates for GRAFIK T™ controls and New Architectural accessories (continued)



3-gang, for three dimmers or switches LWT-GGG-**XX**¹
 3-gang, for three dimmers or switches LWT-GGG-**XXX**²
 W: 6.60in (167mm); H: 4.70in (119mm);
 P: .40in (9mm)



3-gang, for three accessories LWT-U-PPP-**XX**¹
 3-gang, for three accessories LWT-U-PPP-**XXX**²
 W: 6.60in (167mm); H: 4.70in (119mm);
 P: .40in (9mm)



4-gang, for four dimmers or switches LWT-GGGG-**XX**¹
 4-gang, for four dimmers or switches LWT-GGGG-**XXX**²
 W: 8.40in (213mm); H: 4.70in (119mm);
 P: .40in (9mm)



4-gang, for four accessories LWT-U-PPPP-**XX**¹
 4-gang, for four accessories LWT-U-PPPP-**XXX**²
 W: 8.40in (213mm); H: 4.70in (119mm);
 P: .40in (9mm)

XX¹: Architectural matte and metal color codes, see p. 221

XXX²: Architectural glass color code, see p. 221

Multi-gang dimmer installations may require derating, see pp. 248–249.



2-gang, for one dimmer or switch and one accessory LWT-GT-**XX**¹

2-gang, for one dimmer or switch and one accessory LWT-GT-**XXX**²

W: 4.75 in (121 mm); H: 4.70 in (119 mm);
P: .40 in (9 mm)

2-gang, for one accessory and one dimmer or switch LWT-TG-**XX**¹

2-gang, for one accessory and one dimmer or switch LWT-TG-**XXX**²

W: 4.75 in (121 mm); H: 4.70 in (119 mm);
P: .40 in (9 mm)

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 www.lutron.com/applicationnotes.



Custom engraving available for all New Architectural, Architectural, Designer and Traditional style wallplates (except Stainless Steel). For wallplate engraving schedules, go to www.lutron.com/engraving.

XX¹: Architectural matte and metal color codes, see p. 221

XXX²: Architectural glass color codes, see p. 221

Receptacles



- Available with or without 1-gang wallplate^{*,**}

Tamper-resistant receptacles with wallplate

| | |
|----------|------------------------------------|
| 15A 125V | LTR-F15-TR- XX ¹ |
| 20A 125V | LTR-F20-TR- XX ¹ |

Tamper-resistant receptacles without wallplate

| | |
|----------|-----------------------------------|
| 15A 125V | LTR-15-TR- XX ² |
| 20A 125V | LTR-20-TR- XX ² |

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^{*,**}

Tamper-resistant USB receptacle with wallplate

| | |
|----------|--------------------------------------|
| 15A 125V | LTR-F15-UBTR- XX ¹ |
|----------|--------------------------------------|

Tamper-resistant USB receptacle without wallplate

| | |
|----------|-------------------------------------|
| 15A 125V | LTR-15-UBTR- XX ² |
|----------|-------------------------------------|

XX¹: Architectural matte, metal and glass color codes, see p. 221 (1-gang wallplate included)

XX²: Architectural matte and glass color codes, see p. 221

* 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 Vareo® and Nova T☆® 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-)
- Customize your architectural wallplate with engraving or by adding a corporate logo. Contact customer service to get started; 1.888.LUTRON1
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch or sample. Contact customer service to get started; 1.888.LUTRON1

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. 246
 - May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, see pp. 248–249
 - 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 further information visit
www.lutron.com/customganging.

Available finishes

Use **BOLD** color code in model number (Example: WWP-2-**SI**)

Architectural matte finishes



WH
White



LA
Light Almond



AL
Almond



BE
Beige



IV
Ivory



TP
Taupe



GR
Gray



SI
Sienna



BR
Brown



BL
Black

Architectural metal finishes*



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 finishes**



CWH
Clear Glass



GWH
Green Glass

* Metal finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls.

** Glass finish wallplates include white plastic trim/adaptor, visible from side. Match with separate White (WH) or Snow (SW) controls

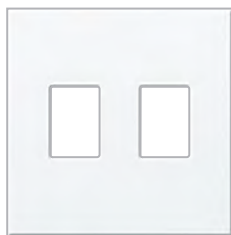
Wallplates for Vareo® and Nova T☆® control, and Architectural accessories



1-gang, for one accessory* LFGR-1-**XXX**¹
 W: 2.75 in (70mm); H: 4.56 in (116mm);
 P: .30 in (7.6mm)



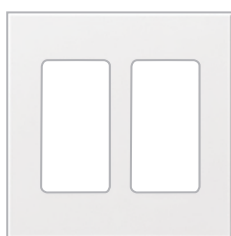
3-gang, VWP-3-**XX**²
 for three switches or dimmers
 W: 6.32 in (161 mm); H: 4.56 in (116 mm);
 P: .30 in (7.6 mm)



2-gang, VWP-2-**XX**²
 for two dimmers or switches
 W: 4.56 in (116mm); H: 4.56 in (116mm);
 P: .30 in (7.6mm)



3-gang, LFGR-3-**XXX**¹
 for three accessories*
 W: 6.44 in (164 mm); H: 4.73 in (120 mm);
 P: .31 in (7.8 mm)



2-gang, VWP-2R-**XX**²
 for two accessories*
 2-gang, LFGR-2-**XXX**¹
 for two accessories*
 W: 4.56 in (116mm); H: 4.56 in (116mm);
 P: .30 in (7.6mm)



4-gang, VWP-4-**XX**²
 for four switches or dimmers
 W: 8.45 in (215 mm); H: 4.56 in (116 mm);
 P: .30 in (7.6 mm)

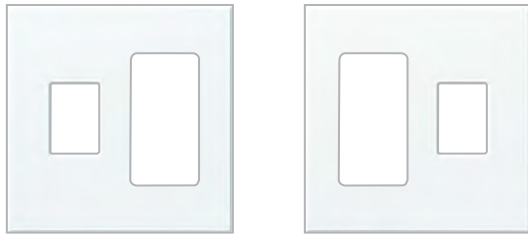
XXX¹: Architectural glass color codes,
 see p. 227

XX²: Architectural matte color codes,
 see p. 227

For metal finishes, contact Customer
 Service at 1.888.LUTRON1.

Multi-gang dimmer installations may require
 derating, see pp. 248–249.

* Glass finish wallplates include white plastic trim/
 adapter, visible from side. Match with separate
 White (WH) or Snow (SW) controls



2-gang, for one dimmer or switch and one accessory

W: 4.56 in (116 mm); H: 4.56 in (116 mm);
P: .30 in (7.6 mm)

VWP-2CR-**XX**¹

2-gang, for one accessory and one dimmer or switch

W: 4.56 in (116 mm); H: 4.56 in (116 mm);
P: .30 in (7.6 mm)

VWP-2RC-**XX**¹

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

www.lutron.com/applicationnotes.

Custom Architectural wallplates

Custom configurations, colors, engraving, and silkscreenings available. Contact customer service 1.888.LUTRON1.

Custom multi-gang wallplates required for the following cases:

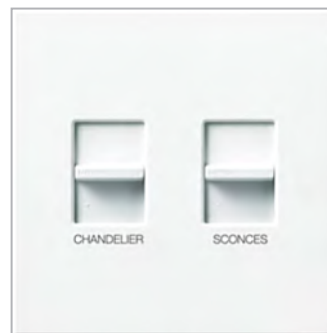
- Multi-gang metal finishes
- Full-capacity ganging ("No Fins Broken")
- Large Nova T[☆] controls (1500/2000W)
- Nova[®] controls
- Color change applications

For further information, visit

www.lutron.com/customganging.



Custom coloring available for all Architectural matte finish wallplates.



Custom engraving available for all New Architectural, Architectural, Designer, and Traditional style wallplates (except Stainless Steel). For wallplate engraving schedules, go to www.lutron.com/engraving.

XX¹: Architectural matte color codes, see p. 227

For metal finishes, contact Customer Service at 1.888.LUTRON1.

Multi-gang dimmer installations may require derating, see pp. 248–249.

Cable jack



- F-style, 75-Ohm coaxial cable
- Includes 1-gang wallplate

Single cable jack* NT-CJ-**XX**¹

Telephone jack



- 6-conductor jack, RJ11
- Includes 1-gang wallplate

Single telephone jack* NT-PJ-**XX**¹

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**¹

Connectors for 6-port frame



Telephone/network jacks

8-conductor, RJ45 category 3 CON-1P-C3-**XX**²

8-conductor, RJ45 category 5e CON-1P-C5E-**XX**²

8-conductor, RJ45 category 6 CON-1P-C6-**XX**²



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**²



BNC jack

BNC connector, 50-Ohm CON-1B-WH

Connectors only for use with 6-port frame.

XX¹: Architectural matte color codes, see p. 227 (1-gang wallplate included)

XX²: 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- XX ¹ |
|----------|--------------------------------|

| | |
|----------|--------------------------------|
| 20A 125V | NTR-20- XX ¹ |
|----------|--------------------------------|

Tamper-resistant receptacles*

| | |
|----------|-----------------------------------|
| 15A 125V | NTR-15-TR- XX ¹ |
|----------|-----------------------------------|

| | |
|----------|-----------------------------------|
| 20A 125V | NTR-20-TR- XX ¹ |
|----------|-----------------------------------|

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- XX ¹ |
|----------|-------------------------------------|

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- XX ¹ |
|----------------|-------------------------------------|

| | |
|----------------|-------------------------------------|
| 20A 125V, GFCI | NTR-20-GFST- XX ¹ |
|----------------|-------------------------------------|

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- XX ¹ |
|----------|--------------------------------------|

| | |
|----------|--------------------------------------|
| 20A 125V | NTR-20-IG-OR- XX ¹ |
|----------|--------------------------------------|

XX¹: Architectural matte color codes, see p. 227 (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*

| | | |
|------|-----------|-------------------------------------|
| 15 A | 120/125 V | NTR-15-DDTR- XX ¹ |
| 20 A | 120/125 V | NTR-20-DDTR- XX ¹ |

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*

| | | |
|------|-----------|-------------------------------------|
| 15 A | 120/125 V | NTR-15-HDTR- XX ¹ |
| 20 A | 120/125 V | NTR-20-HDTR- XX ¹ |

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

| | |
|-----------|--------------|
| 120/125 V | RP-FDU-10-WH |
| White | |
| 120/125 V | RP-FDU-10-BR |
| Brown | |

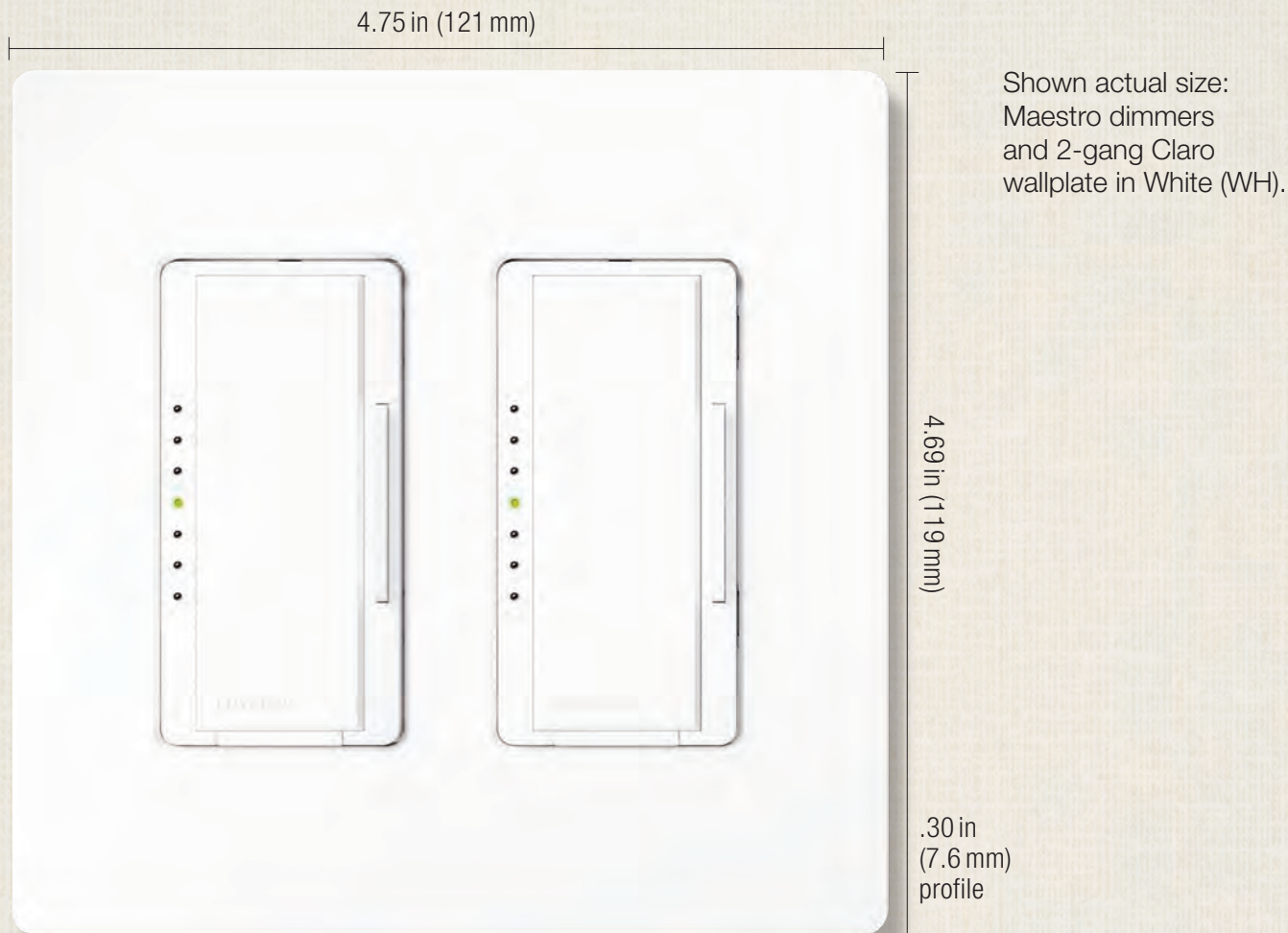
UL/CSA/NOM regulatory approvals

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 www.lutron.com/applicationnotes.

XX¹: Architectural matte color codes, see p. 227 (1-gang wallplate included)

*Metal and glass finishes are only available as separate wallplates.



Product family features

- Can be used in conjunction with the following dimmer(s), switch(es), sensor(s), and accessories: Maestro®, Maestro IR®, Maestro Wireless®, Caséta® Wireless, Pico® wireless, Diva®, Skylark Contour® and Skylark® controls, and Claro® and Satin Colors® 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. Contact customer service to get started; 1.888.LUTRON1

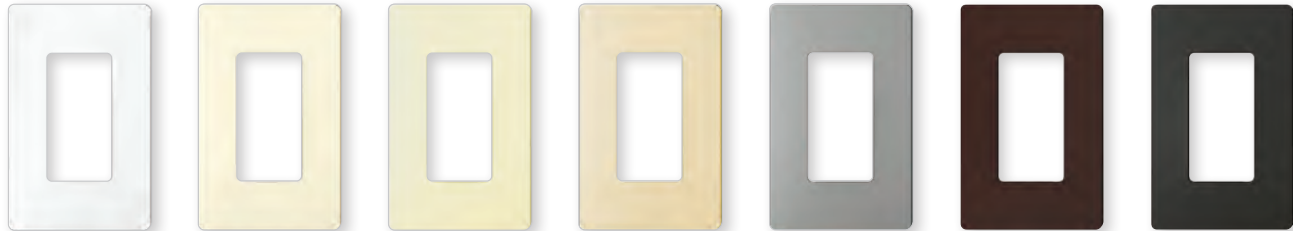
Ganging and derating

- Designer wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see p.246
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, see pp.250–252

Available finishes

Use **BOLD** color code in model number (Example: SC-1-**PL**)

Gloss finishes



WH
White

LA
Light Almond

AL
Almond

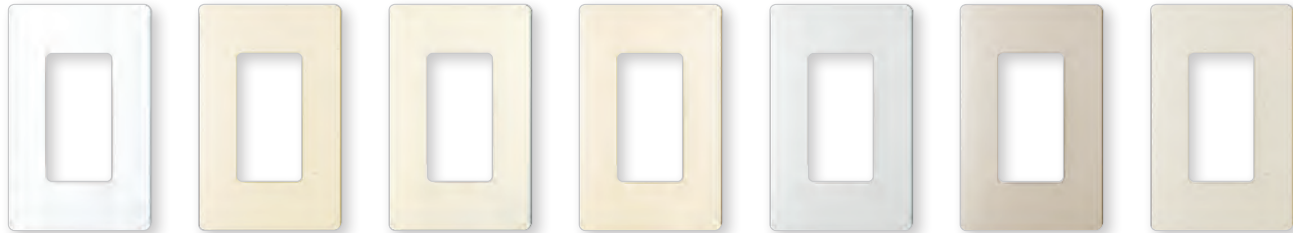
IV
Ivory

GR
Gray

BR
Brown

BL
Black

Satin Colors® finishes



SW
Snow

LS
Limestone

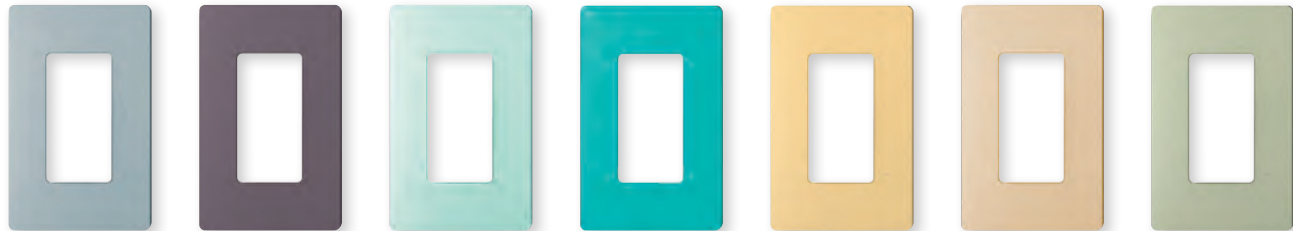
BI
Biscuit

ES
Eggshell

PD
Palladium

TP
Taupe

ST
Stone



BG
Bluestone

PL
Plum

SG
Sea Glass

TQ
Turquoise

GS
Goldstone

DS
Desert Stone

GB
Greenbriar

Metal finishes*



MS
Mocha Stone

TC
Terracotta

SI
Sienna

HT
Hot

MR
Merlot

MN
Midnight

SS
Stainless Steel

*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

Wallplates for Maestro®, Maestro IR®, Maestro Wireless®, Caséta® Wireless, Pico® wireless, Diva®, Skylark Contour® and Skylark® controls, and Claro® and Satin Colors® accessories



1-gang*

CW-1-**XX**¹
SC-1-**XX**²

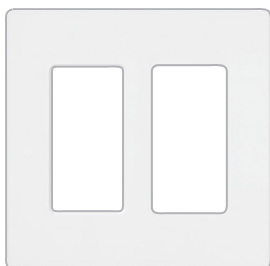
W: 2.94 in (75 mm); H: 4.69 in (119 mm)
P: .30 in (7.6 mm)



4-gang*

CW-4-**XX**¹
SC-4-**XX**²

W: 8.37 in (213 mm); H: 4.69 in (119 mm);
P: .30 in (7.6 mm)



2-gang*

CW-2-**XX**¹
SC-2-**XX**²

W: 4.75 in (121 mm); H: 4.69 in (119 mm);
P: .30 in (7.6 mm)



5-gang*

CW-5-**XX**¹
SC-5-**XX**²

W: 10.18 in (259 mm); H: 4.69 in (119 mm);
P: .30 in (7.6 mm)



3-gang*

CW-3-**XX**¹
SC-3-**XX**²

W: 6.56 in (167 mm); H: 4.69 in (119 mm);
P: .30 in (7.6 mm)

XX¹: Gloss and metal color codes,
see p. 235
XX²: Satin Colors® codes, see p. 235

Multi-gang dimmer installations may require derating, see pp. 250–252.

*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

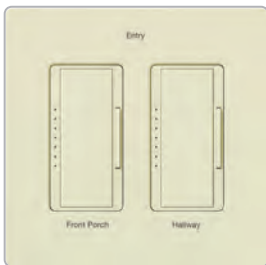


6-gang* CW-6-**XX**¹
SC-6-**XX**²

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 www.lutron.com/applicationnotes.



Custom engraving available for all New Architectural, Architectural, Designer and Traditional style wallplates (except Stainless Steel). For wallplate engraving schedules, go to www.lutron.com/engraving.

Multi-gang dimmer installations may require derating, see pp. 250–252.

* Stainless Steel finish 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**³
SC-CJ-**XX**²

Telephone jacks



- 6-conductor telephone jack, RJ11
- Wallplate sold separately

Single telephone jack CA-PJ-**XX**³
SC-PJ-**XX**²

XX¹: Gloss and metal color codes, see p. 235
XX²: Satin Colors® codes, see p. 235
XX³: Gloss color codes, see p. 235

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- XX ¹ |
| | SC-6PF- XX ² |

Connectors for 6-port frame



Telephone/network jacks

| | |
|-------------------------------|------------------------------------|
| 8-conductor, RJ45 category 3 | CON-1P-C3- XX ³ |
| 8-conductor, RJ45 category 5e | CON-1P-C5E- XX ³ |
| 8-conductor, RJ45 category 6 | CON-1P-C6- XX ³ |



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 ³ |
|-------------------------------|--------------------------------|



BNC jack

| | |
|-----------------------|-----------|
| BNC connector, 50-Ohm | CON-1B-WH |
|-----------------------|-----------|

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- XX ¹ |
| 15A 125V | SCR-15- XX ² |
| 20A 125V | SCR-20- XX ² |

Tamper-resistant receptacles

| | |
|----------|------------------------------------|
| 15A 125V | CARS-15-TR- XX ¹ |
| 15A 125V | SCRS-15-TR- XX ² |
| 20A 125V | SCRS-20-TR- XX ² |

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- XX ¹ |
| 15A 125V | SCR-15-UBTR- XX ² |

XX¹: Gloss color codes, see p. 235
XX²: Satin Colors® codes, see p. 235
XX³: 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- XX ¹ |
| 15A 125V, GFCI | SCR-15-GFST- XX ² |
| 20A 125V, GFCI | SCR-20-GFST- XX ² |

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

Dual dimming, tamper-resistant receptacles

| | |
|--------------|-------------------------------------|
| 15A 120/125V | CAR-15-DDTR- XX ¹ |
| 15A 120/125V | SCR-15-DDTR- XX ² |
| 20A 120/125V | CAR-20-DDTR- XX ¹ |
| 20A 120/125V | SCR-20-DDTR- XX ² |

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

Half dimming, tamper-resistant receptacles

| | |
|--------------|-------------------------------------|
| 15A 120/125V | CAR-15-HDTR- XX ¹ |
| 15A 120/125V | SCR-15-HDTR- XX ² |
| 20A 120/125V | CAR-20-HDTR- XX ¹ |
| 20A 120/125V | SCR-20-HDTR- XX ² |

XX¹: Gloss color codes, see p. 235
XX²: Satin Colors® codes, see p. 235

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 White | RP-FDU-10-WH |
|-------------------|--------------|

| | |
|-------------------|--------------|
| 120/125V Brown | RP-FDU-10-BR |
|-------------------|--------------|

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 www.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 120/277V 15A | CA-1PS- XX ¹ SC-1PS- XX ² |
| 3-way 120/277V 15A | CA-3PS- XX ¹ SC-3PS- XX ² |
| 4-way 120/277V 15A | CA-4PS- XX ¹ SC-4PS- XX ² |

General purpose switches with locator light

| | |
|-------------------------|--|
| Single-pole 120V 15A | CA-1PSNL- XX ³ SC-1PSNL- XX ⁴ |
| 3-way 120V 15A | CA-3PSNL- XX ³ SC-3PSNL- XX ⁴ |
| 4-way 120V 15A | CA-4PSNL- XX ³ SC-4PSNL- XX ⁴ |

XX¹: Gloss color codes, see p. 235
XX²: Satin Colors® codes, see p. 235
XX³: Available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)
XX⁴: Available in Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), Sea Glass (SG) and Snow (SW)



Product family features

- Can be used in conjunction with the following dimmer(s) and switch(es): Ariadni®, Glyder®, 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 traditional wallplate with engraving. Contact customer service to get started; 1.888.LUTRON1

Ganging and derating

- Traditional wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see p. 179
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, p. 179

Available finishes

Use **BOLD** color code in model number (Example: FG-1-**AL**)

Gloss finishes



WH
White



LA
Light Almond



AL
Almond



IV
Ivory



BL
Black

Metal finishes*



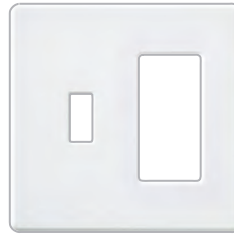
SS
Stainless Steel

*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls.

Wallplates for Ariadni®, Glyder®, and Rotary



1-gang
 FG-1-**XX**¹
 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, FG-2-TD-**XX**¹
 opening and one designer opening
 W: 4.67 in (119 mm); H: 4.60 in (117 mm);
 P: .23 in (5.8 mm)



2-gang
 FG-2-**XX**¹
 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**¹
 Stainless Steel* 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 New Architectural, Architectural, Designer and Traditional style wallplates (except Stainless Steel). For wallplate engraving schedules, go to www.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 www.lutron.com/applicationnotes.

Controls must have heat-sink fins broken for multi-gang installations.
 Multi-gang dimmer installations may require derating, see p. 253.

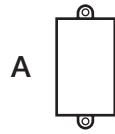
*Stainless Steel wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls.

XX¹: Gloss color codes, see p. 243

Mounting requirements and how to understand ganging and derating

Individual devices

Individual dimmers, switches, wall sensors, and accessories typically mount in standard 1-gang electrical boxes (**fig. A**).



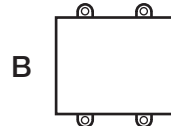
1-gang box
(W: 2 in x H: 3 in x D: 2.5 in)

Standard ganging

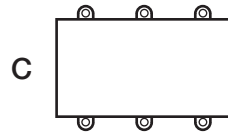
Ganging is the side-by-side mounting of two or more dimmers or accessory devices under a multi-gang wallplate. (**fig. B-D**)

Standard multi-gang installation:

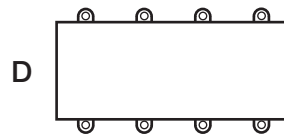
- Uses standard multi-gang electrical backboxes
- Uses standard multi-gang wallplates
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging)
- May require derating (i.e., reduction of dimmer capacity due to fin removal); see derating tables, see pp. 248–254



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)

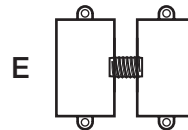


4-gang box
(W: 8 in x H: 3 in x D: 2.5 in)

Custom Architectural ganging

Architectural dimmers, switches and accessories may be ganged without derating (**fig. E**), via custom Architectural multi-gang:

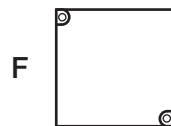
- May require customized, wider-than-standard wallplates
- May require wider-than-standard electrical backboxes
- Allows full capacity (“No Fins Broken”) ganging
- Required for Nova® dimmers and for larger width (high capacity) architectural controls
- Visit www.lutron.com/customganging for additional information



(2) 1-gang boxes
with 3/4 in spacer

Light load power interfaces (pp. 258–259)

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)

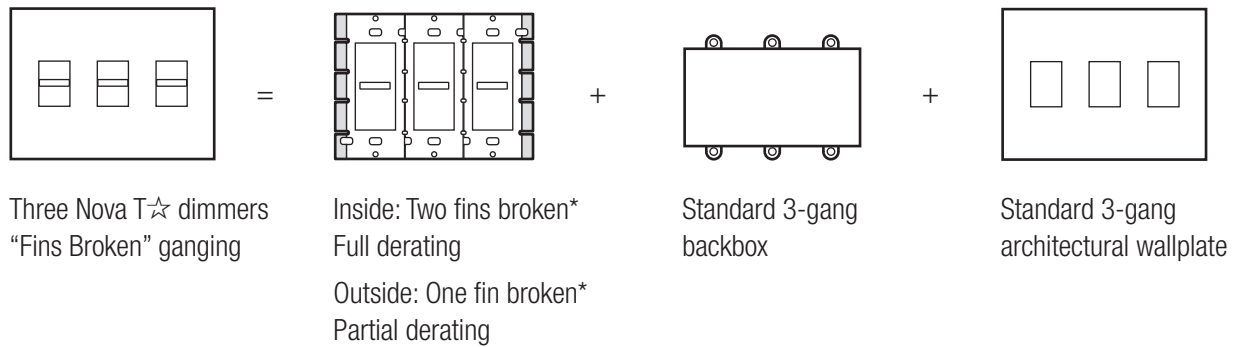
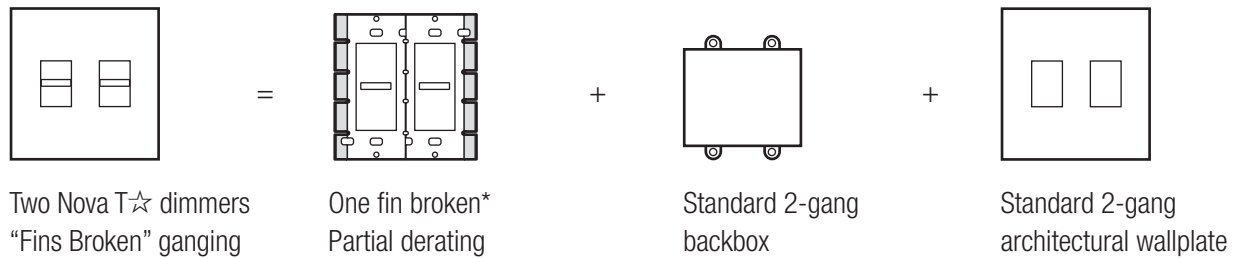
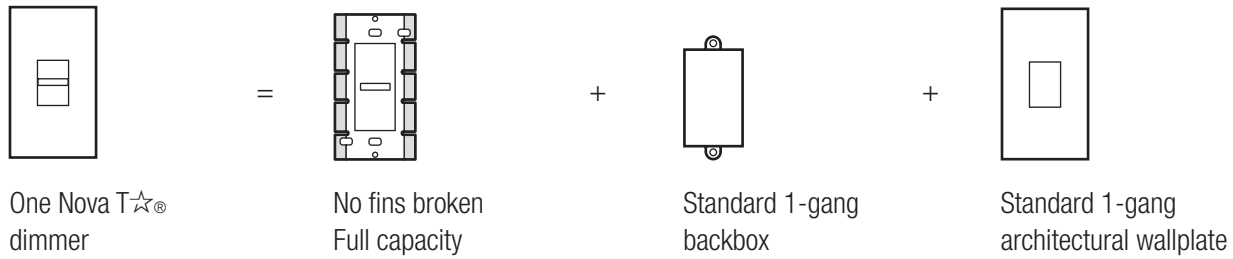
Ceiling/wall mount sensors (pp. 198 and 202)

Wireless ceiling mount Radio Powr Savr™ sensors (**fig. G**) mount to brackets provided with sensor using adhesive strips or mounting hardware provided.

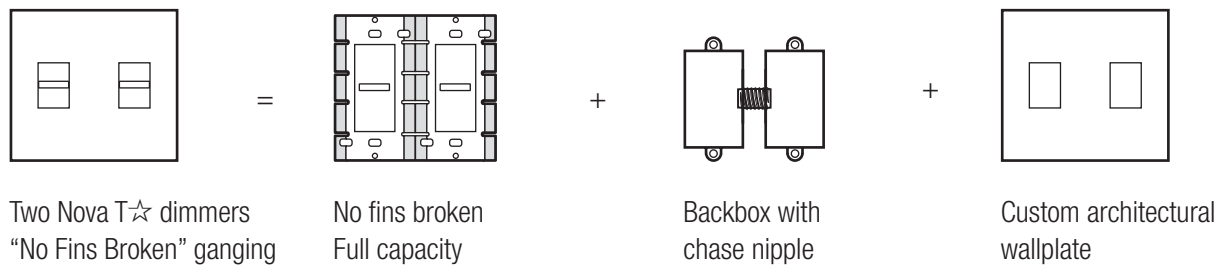


Wireless sensor
mounting bracket
(3.2 in diameter footprint,
mounting brackets are
spaced 1.8 in)

Standard ganging and fins broken derating examples:



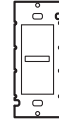
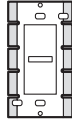
Custom Architectural ganging example:



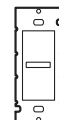
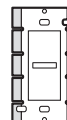
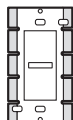
For further information on ganging and derating, visit www.lutron.com/multigang.
 *The fins are scored and designed to be removed easily.

Derating Table 1

New Architectural | GRAFIK T™
Architectural | Vareo®, Nova T☆®, Nova®



| | No fins broken | 1 fin broken | 2 fins broken |
|-------------------------------|-----------------|-----------------|-----------------|
| Dimmers | | | |
| Incandescent | | | |
| 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 |
| Vareo, Nova T, Nova | 1000 W | 900 W | 700 W |
| Nova T☆, Nova | 1500 W | 1250 W | 1000 W |
| Nova T☆ | 1950 W | N/A | N/A |
| Nova | 2000 W | 1800 W | 1500 W |
| Magnetic low-voltage | | | |
| 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 T☆, 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 |
| Electronic low-voltage | | | |
| Nova T☆ | 300 W | 300 W | 250 W |
| GRAFIK T | 500 W | 400 W | 300 W |
| Nova T☆ | 600 W | 500 W | 400 W |



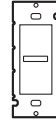
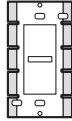
| | No fins broken | 1 fin broken | 2 fins broken |
|--------------------------------------|---|--------------|---------------|
| Dimmers (continued) | | | |
| Dimmable CFL/LED (screw-base) | | | |
| GRAFIK T | 150W | No derating | No derating |
| GRAFIK T, Nova T☆ | 250W | No derating | No derating |
| 2-wire LED | | | |
| GRAFIK T, Nova T☆ | 10 drivers/ 400W | No derating | No derating |
| 3-wire fluorescent/LED | | | |
| Nova T☆, Nova | 6A | No derating | No derating |
| Nova T☆, Nova | 8A | No derating | No derating |
| Nova T☆, Nova | 16A | No derating | No derating |
| Tu-Wire® fluorescent | | | |
| GRAFIK T | 3.3A | No derating | No derating |
| Nova | 5A | No derating | No derating |
| Nova T☆ | 5A | 4A | 3.3A |
| 0-10V fixture | | | |
| Nova T☆ – no power pack | 8A/30mA | No derating | No derating |
| Nova – power pack required | 30mA | No derating | No derating |
| Magnetic fluorescent | | | |
| Nova | Dependent on ballast being utilized, see specification submittal for more information | | |

| Fan controls | | | |
|-----------------------|------|-------------|-------------|
| Quiet 3-speed | | | |
| Nova T☆ | 1.5A | No derating | No derating |
| Fully variable | | | |
| Nova T☆ | 6A | 4.2A | 2.5A |
| Nova T☆ | 12A | 10A | 8.3A |

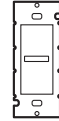
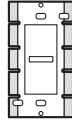
| Switches | | | |
|-------------------------------|--------|-------------|-------------|
| Electronic (light/fan) | | | |
| GRAFIK T (light/fan) | 5A/ 3A | 4.2A/ 3A | 3.3A/ 3A |
| Vareo | 1000W | 800W | 650W |
| Mechanical | | | |
| Nova T☆ | 20A | No derating | No derating |

Derating Table 2

Designer | Caséta® Wireless, Maestro®, Maestro IR®, Maestro Wireless®, RF Switch, Diva®, Skylark Contour®, Skylark®



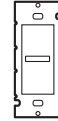
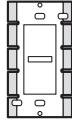
| | No fins broken | 1 fin broken | 2 fins broken |
|--|------------------|--------------|---------------|
| Dimmers | | | |
| Incandescent | | | |
| Caséta Wireless, Maestro, Maestro sensor, Maestro IR, Maestro Wireless, Diva, Skylark Contour, Skylark | 600 W | 500 W | 400 W |
| Caséta Wireless, Maestro, Maestro IR, Maestro Wireless, Diva, Skylark Contour, Skylark | 1000 W | 800 W | 650 W |
| Dual dimmers | | | |
| Maestro, Skylark (light/light) | 300 W/300 W | 250 W/250 W | 200 W/200 W |
| Dual dimmer/switch | | | |
| Maestro (light/light and fan) | 300 W/2.5 A | 250 W/2 A | 200 A/1.5 A |
| Dual dimmer/timer | | | |
| Maestro (light/light and fan) | 300 W/2.5 A | 250 W/2 A | 200 A/1.5 A |
| Magnetic low-voltage | | | |
| Maestro, Maestro IR, Diva, Skylark Contour, Skylark | 600 VA/450 W | 500 VA/400 W | 400 VA/300 W |
| Caséta Wireless, Maestro, Maestro IR, Diva | 1000 VA/800 W | 800 VA/650 W | 650 VA/500 W |
| Electronic low-voltage | | | |
| Diva, Skylark Contour, Skylark | 300 W | 250 W | 200 W |
| Maestro, Maestro IR, Maestro Wireless, Nova T | 600 W | 500 W | 400 W |
| Dimmable CFL/LED (screw-base) | | | |
| Caséta Wireless, Maestro, Maestro sensor, Maestro Wireless, Diva, Skylark Contour, Skylark | 150 W | No derating | No derating |
| Caséta Wireless, Diva | 250 W | No derating | No derating |
| 2-wire LED | | | |
| Maestro Wireless, Diva | 8 drivers/350 W | No derating | No derating |
| Caséta Wireless | 13 drivers/520 W | No derating | No derating |



| | No fins broken | 1 fin broken | 2 fins broken |
|--------------------------------------|----------------------------|----------------------------|------------------------------|
| Dimmers (continued) | | | |
| 3-wire fluorescent/LED | | | |
| Diva | 6A | No derating | No derating |
| Maestro | 20 ballasts or drivers/6 A | 20 ballasts or drivers/5 A | 20 ballasts or drivers/3.5 A |
| Maestro Wireless | 60 ballasts or drivers/6 A | 50 ballasts or drivers/5 A | 35 ballasts or drivers/3.5 A |
| Diva, Skylark | 8A | No derating | No derating |
| Tu-Wire® fluorescent | | | |
| Caséta Wireless | 5A | No derating | No derating |
| Maestro Wireless, Diva, Skylark | 5A | 4A | 3.3A |
| 0–10V fixture | | | |
| Diva, Maestro sensor – no power pack | 8A/50mA | No derating | No derating |
| Diva – power pack required | 30mA | No derating | No derating |
| Fan controls | | | |
| Quiet 7-speed | | | |
| Maestro, Maestro IR | 4A | No derating | No derating |
| Quiet 3-speed | | | |
| Diva, Skylark Contour, Skylark | 1.5A | No derating | No derating |
| Diva, Skylark | 2A | No derating | No derating |
| Fully variable | | | |
| Skylark | 5A | 4A | 3A |

Derating Table 2 (continued)

Designer | Caséta® Wireless, Maestro®, Maestro IR®, Maestro Wireless®, RF Switch, Diva®, Skylark Contour®, Skylark®



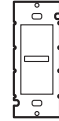
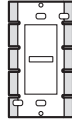
| | No fins broken | 1 fin broken | 2 fins broken |
|--|----------------|--------------|---------------|
|--|----------------|--------------|---------------|

| Fan/light controls | | | |
|---------------------------------|------------|-------------|-------------|
| Quiet 7-speed | | | |
| Maestro, Maestro IR (fan/light) | 1 A/300W | No derating | No derating |
| Quiet 3-speed | | | |
| Skylark (fan/light) | 1.5 A/300W | No derating | No derating |
| Skylark (fan/light) | 1.5 A/3A | No derating | No derating |
| Fully variable | | | |
| Skylark (fan/light) | 2.5 A/300W | 2.1 A/250W | 1.7 A/200W |

| Switches | | | |
|---|-------------------|-------------|-------------|
| Electronic | | | |
| Maestro sensor | 2A | No derating | No derating |
| Maestro sensor (light/fan) | 5A/3A | No derating | No derating |
| Caséta Wireless (light/fan), RF switch (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) | 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) | 8A/3A | 8A/3A | 7A/3A |
| Maestro Wireless (light/fan) | 8A/5.8A | 6.5A/5.8A | 5A/4.4A |
| Dual switch/switch | | | |
| Maestro sensor (light/fan / light/fan) | 6A/4.4A / 6A/4.4A | No derating | No derating |
| Timers | | | |
| Maestro (light/fan) | 5A/3A | 4A/3A | 3A/3A |

Derating Table 3

Traditional | Ariadni®, Glyder®, Rotary



| | No fins broken | 1 fin broken | 2 fins broken |
|--------------------------------------|----------------|--------------|---------------|
| Dimmers | | | |
| Incandescent | | | |
| Ariadni, Glyder, Rotary | 600W | 500W | 400W |
| Ariadni, Glyder | 1000W | 800W | 650W |
| Magnetic low-voltage | | | |
| Ariadni, Glyder | 600VA/450W | 500VA/400W | 400VA/300W |
| Dimmable CFL/LED (screw-base) | | | |
| Ariadni | 150W | No derating | No derating |
| Ariadni | 250W | No derating | No derating |
| 2-wire LED | | | |
| Ariadni | 8 drivers/350W | No derating | No derating |
| 3-wire fluorescent/LED | | | |
| Ariadni | 6A | No derating | No derating |
| Ariadni | 8A | No derating | No derating |
| Fan controls | | | |
| Quiet 3-speed | | | |
| Ariadni, Rotary | 1.5A | No derating | No derating |
| Fully variable | | | |
| Glyder, Rotary | 5A | 4A | 3A |
| Fan/light controls | | | |
| Quiet 3-speed | | | |
| Ariadni (fan/light) | 1.5A/300W | No derating | No derating |

Derating Table 4

New Architectural | GRAFIK T™ C•L®

Architectural | Nova T☆® C•L

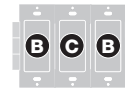
Designer | Caséta® Wireless C•L, Maestro® C•L, Maestro® C•L sensor, Diva® C•L, Skylark Contour® C•L, Skylark® C•L

Traditional | Ariadni® C•L

Derating C•L dimmers

C•L dimmers are rated for 150 or 250 W of CFL and/or LED screw-base lighting, or 600 W or 1000 W of incandescent/halogen lighting.

Load types can be mixed on C•L 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.



150 W C•L dimmers

| Total CFL/LED 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 |
| 1 W – 25W | + | 500W | 400W | 300W |
| 26W – 50W | + | 400W | 300W | 200W |
| 51 W – 75W | + | 300W | 200W | 100W |
| 76W – 100W | + | 200W | 100W | 50W |
| 101 W – 125W | + | 100W | 50W | 0W |
| 126W – 150W | + | 0W | 0W | 0W |

250 W C•L dimmers (GRAFIK T, Diva and Ariadni)

| Total CFL/LED 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 |
| 1 W – 40W | + | 500W | 400W | 300W |
| 41 W – 80W | + | 400W | 300W | 200W |
| 81 W – 120W | + | 300W | 200W | 100W |
| 121 W – 160W | + | 200W | 100W | 50W |
| 161 W – 200W | + | 100W | 50W | 0W |
| 201 W – 250W | + | 0W | 0W | 0W |

250 W C•L dimmers (Caséta Wireless and Nova T☆)

| Total CFL/LED 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 |
| 1 W – 40W | + | 800W | 600W | 500W |
| 41 W – 80W | + | 600W | 500W | 400W |
| 81 W – 120W | + | 500W | 400W | 300W |
| 121 W – 160W | + | 400W | 300W | 200W |
| 161 W – 200W | + | 300W | 200W | 100W |
| 201 W – 250W | + | 0W | 0W | 0W |






Note: There is no wattage reduction when controlling only LED or CFL.

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

New Architectural and Architectural style



GRAFIK T™ p. 14 Vareo® p. 24 Nova T☆® p. 30 Nova® p. 42 Centurion® p. 52

| Dimmers | Capacity |  | | | |
|---|------------------|---|--|-----|-------|
|  Incandescent/halogen 120V | 600 W | | | | |
| | 1000 W | | | | |
| | 1500 W | PA | | | |
| | 2000 W | PA | | | |
|  Dimmable CFL/LED (screw-base) 120V | 150 W | | | | WBX** |
| | 250 W | | | | WBX** |
|  Magnetic low-voltage 120V | 400 VA (300 W) | | | | |
| | 600 VA (450 W) | PA | | | |
| | 1000 VA (800 W) | PA | | | |
| | 1500 VA (1200 W) | PA | | | |
| | 2000 VA (1600 W) | PA | | WBX | |
|  Magnetic low-voltage 277V | 600 VA (450 W) | PA | | | WBX |
| | 1000 VA (800 W) | PA | | | WBX |
|  Electronic low-voltage 120V | 300 W | | | | WBX |
| | 500 W | | | | WBX |
| | 600 W | PA | | | WBX |
|  Electronic low-voltage 277V | 16A | PA | | WBX | WBX |
|  Neon/cold cathode | | PA | | WBX | |
|  3-wire 120V Ballasts - Hi-lume® 3D, EcoSystem® Drivers - Hi-lume 1%, Hi-lume Premier 0.1% | 6A | 3F | | | |
| | 8A | 3F | | | |
| | 16A | 3F | | | |
|  3-wire 277V Ballasts - Hi-lume 3D, EcoSystem Drivers - Hi-lume 1%, Hi-lume Premier 0.1% | 6A | 3F | | | |
| | 8A | 3F | | | |
| | 16A | 3F | | 3F | 3F |
|  2-wire 120V Drivers - Hi-lume 1% | 350 W | | | | |
| | 400 W | | | | |
|  Tu-wire® ballasts 120V | 5A† | | | | |
|  0–10VDC 120/277V (fixtures by others) | 8A | TVI | | | PP |
| | 16A | TVI | | PP | PP |

WBX: Phase Adaptive Power Module

3F: Fluorescent Power Module

TVI: 0-10V Interface

PA: Phase Adaptive Power Module

PP: Wired Power Pack (PP-DV or PP-347H)

* See pp. 258–259 for specific compatible dimmer models and interface solutions.

** Utilize to control approved dimmable LED (screw-base) bulbs only. Visit www.lutron.com/ledtool for a recommended list.

† GRAFIK T dimmers rated for 3.3A of Tu-Wire® ballast load only

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



Maestro® p. 56 Maestro IR p. 76 Diva® p. 86









| Dimmers | Capacity | Maestro® | Maestro IR | Divas® |
|---|------------------|----------|------------|----------|
| Incandescent/halogen 120V | 600 W | M | M | |
| | 1000 W | E | | E |
| | 1500 W | WBX | | WBX |
| | 2000 W | WBX | | WBX |
| Dimmable CFL/LED (screw-base) 120V | 150 W | | | |
| | 250 W | WBX** | | |
| Magnetic low-voltage 120V | 400 VA (300 W) | | | |
| | 600 VA (450 W) | | | |
| | 1000 VA (800 W) | | | |
| | 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 | | | |
| | 600 W | | | WBX |
| Electronic low-voltage 277V | 16 A | WBX | | WBX |
| Neon/cold cathode | | WBX | | WBX |
| 3-wire 120V Ballasts - Hi-lume® 3D, EcoSystem® Drivers - Hi-lume 1%, Hi-lume Premier 0.1% | 6 A | | | |
| | 8 A | 3F | | |
| | 16 A | 3F | | 3F |
| 3-wire 277V Ballasts - Hi-lume 3D, EcoSystem Drivers - Hi-lume 1%, Hi-lume Premier 0.1% | 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 | | |
| | 16 A | TVI | | PP |

WBX: Phase Adaptive Power Module
3F: Fluorescent Power Module
TVI: 0-10V Interface

PA: Phase Adaptive Power Module
PP: Wired Power Pack (PP-DV or PP-347H)

* See pp. 258–259 for specific compatible dimmer models and switching interface solutions.

** Utilize to control approved dimmable LED (screw-base) bulbs only. Visit www.lutron.com/ledtool for a recommended list.




| Traditional style | | | | | Connected Home | Commercial Wireless | Sensors |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |
| Skylark Contour® p. 96 | Skylark® p. 102 | Ariadni® p. 112 | Glyder® p. 120 | Rotary p. 126 | Caséta® Wireless p. 136 | Maestro Wireless® p. 152 | Maestro p. 188 |
| | | | | | | M | M |
| E | E | E | | E | | | |
| | WBX | WBX | | | PA | WBX/PA | |
| | WBX | WBX | | | PA | WBX/PA | |
| | WBX** | | | | PA** | WBX**/PA** | |
| | WBX | WBX | | | | | |
| | WBX | WBX | | | PA | WBX/PA | |
| | WBX | WBX | | | PA | WBX/PA | |
| | WBX | WBX | | | PA | WBX/PA | |
| | WBX | WBX | | | PA | WBX/PA | |
| | | WBX | | | PA | | |
| | WBX | WBX | | | PA | | |
| | WBX | WBX | | | PA | WBX | |
| | WBX | WBX | | | PA | WBX | |
| | | | | | 3F | | BCI |
| | | | | | 3F | 3F | BCI |
| | 3F | 3F | | | 3F | 3F | BCI |
| | | | | | 3F | | BCI |
| | 3F | 3F | | | 3F | 3F | BCI |
| | 3F | 3F | | | 3F | 3F | BCI |
| | | | | | | | |
| | | PA | | | | | |
| | TVI | TVI | | | TVI | TVI | |
| | TVI | TVI | | | 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 www.lutron.com/ledtool for a recommended list.

Dimmer models/load interface compatibility

| | Incandescent, dimmable LED (screw-base)*, and magnetic and electronic low-voltage (120/277 V) | | Incandescent, dimmable LED (screw-base)*, and magnetic and electronic low-voltage (120/277 V) | | 3-wire fluorescent ballasts or LED drivers (120/277 V) | |
|------------------------|---|-------------------------|---|-------------------------|---|-------------------------|
| | WBX  | | PA  | | 3F  | |
| | Wallbox Phase Adaptive Power Module** | | Phase Adaptive Power Module** | | Fluorescent Power Module** | |
| | PHPM-WBX-DV-WH Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in) | | PHPM-PA-DV-WH Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in) | | PHPM-3F-DV-WH Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in) | |
| Dimmer Family | 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- |
| Caséta® Wireless | – | – | – | PD-10NXD | – | PD-10NXD |
| Diva® Gloss | – | DVF-103P- | | | – | DVF-103P- |
| Diva Satin Colors® | – | DVSCF-103P- | | | – | DVSCF-103P- |
| GRAFIK T™ | – | – | – | GT-250M-GTJ-250M- | – | GT-250M-GTJ-250M- |
| Maestro® Gloss | – | MAF-6AM- | | | – | MAF-6AM- |
| Maestro® Satin Colors® | – | MSCF-6AM- | | | – | MSCF-6AM- |
| Maestro Wireless® | – | MRF2-F6AN-DV- | – | MRF2-6ND | – | MRF2-F6AN-DV- |
| Nova® | NF-10- | NF-103P- | | | NF-10- | NF-103P- |
| Nova T☆® | NTF-10- | NTF-103P- | | | NTF-10- | NTF-103P- |
| Skylark® | – | SF103P- | | | – | SF103P- |
| Vareo® | – | – | | | – | – |




Technical notes:

- Lighting load interfaces must be matched to load type and voltage
- All load interfaces for dimmed loads are controlled by a 120V 3-wire dimmer
- 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. 275–277

Use only dimmer model numbers listed.

* Visit www.lutron.com/ledtool for a recommended list of dimmable LED (screw-base) bulbs.

** Dual 120/277 V model given, 120V-only versions are also available.

| 0-10V DC ballasts or LED fixtures (120/277V) | | Tu-Wire® fluorescent ballasts (120V) | | Switched lighting (120/277V) | |
|--|---|---|---|--|---|
| TVI |  | PA |  | SW |  |
| 0-10V Interface GRX-TVI Surface mount only (W: 6.10in x H: 12.50in x D: 3.30in) | | Phase Adaptive Power Module** PHPM-PA-DV-WH Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in) | | Switching Power Module** PHPM-SW-DV-WH Mounts to a 2-gang backbox (W: 6.30in x H: 5.10in) | |
| 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- | – | – |
| – | PD-10NXD | – | PD-10NXD | – | PD-6ANS |
| – | DVF-103P- | – | DVF-103P- | – | – |
| – | DVSCF-103P- | – | DVSCF-103P- | – | – |
| – | GT-250M-GTJ-250M- | – | GT-250M-GTJ-250M- | – | GT-5ANSM-GTJ-5ANSM- |
| – | MAF-6AM- | – | MAF-6AM- | – | MA-S8AM- |
| – | MSCF-6AM- | – | MSCF-6AM- | – | MSC-S8AM- |
| – | MRF2-F6AN-DV- | – | MRF2-F6AN-DV- | – | MRF2-6ANS- |
| NF-10- | NF-103P- | NF-10- | NF-103P- | – | – |
| NTF-10- | NTF-103P- | NTF-10- | NTF-103P- | – | – |
| – | SF103P- | – | SF103P- | – | – |
| – | – | – | – | – | VETS-1000- |

Technical notes:

- Lighting load interfaces must be matched to load type and voltage
- All load interfaces for dimmed loads are controlled by a 120V 3-wire dimmer
- 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. 275–277

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.

| | | | |
|---|-----|--|-----|
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| Wiring diagram #2 Single-pole wiring of 3-way control | 264 | Wiring diagram #13 Line side 3-way wiring of multi-location control with mechanical switch | 267 |
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| | | | |
|---|-----|--|-----|
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| Wiring diagram #30 Receptacle wiring | 272 | Wiring diagram #42 0-10V interface with 3-wire control wiring | 277 |
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Wiring diagram #44

PowPak dimming module
with EcoSystem® 279

Wiring diagram #45

PowPak dimming module
with 0–10V control..... 280

Wiring diagram #46

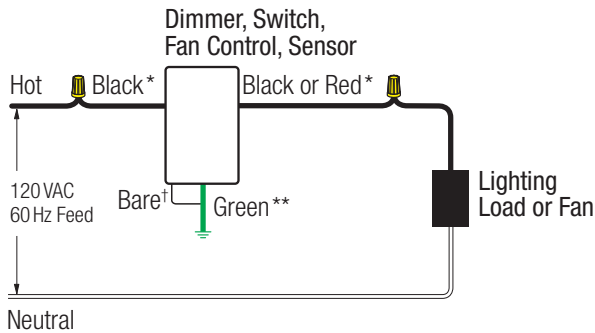
PowPak contact closure output module 281

Wiring diagram #46

PowPak wireless fixture control
module and fixture sensor 282

Wiring diagram #1

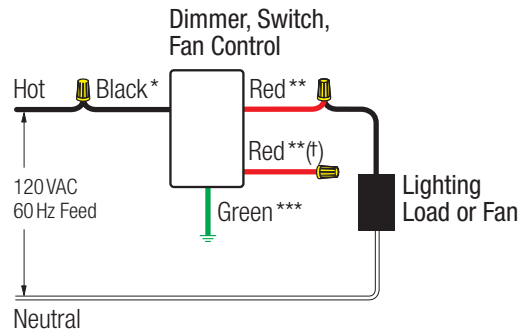
Single-pole wiring



* or Brass/Black screw terminal
 ** or Green screw terminal
 † only applies to select Maestro® sensor switches

Wiring diagram #2

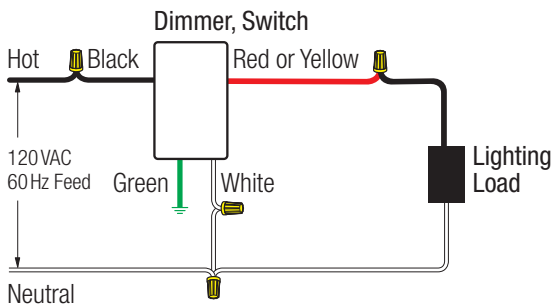
Single-pole wiring of 3-way control



* or Copper/Black screw terminal
 ** or Brass/Gold screw terminal
 *** or Green screw terminal
 † or Red/White stripe (cap off)

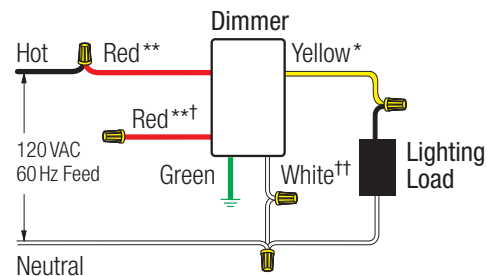
Wiring diagram #3

Single-pole wiring with neutral wire connection



Wiring diagram #4

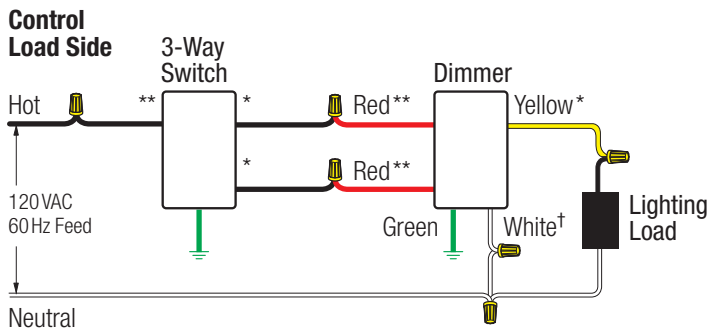
Single-pole wiring of 3-way control with neutral wire connection



* or Copper/Black screw terminal
 ** or Brass/Gold screw terminal
 † or Red/White stripe (cap off)
 †† or Silver screw terminal

Wiring diagram #5

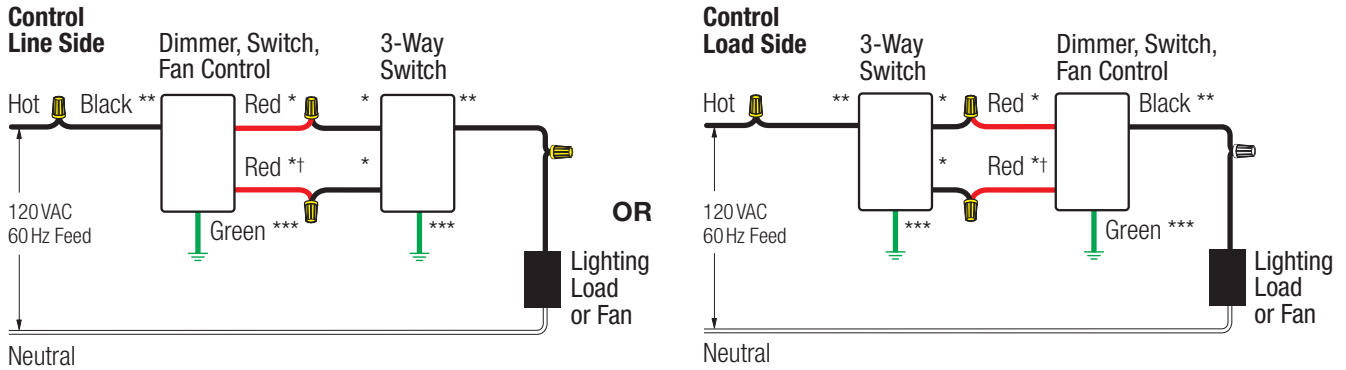
3-way wiring with neutral wire connection



* or Brass/Gold screw terminal
 ** or Copper/Black screw terminal
 † or Silver screw terminal

Wiring diagram #6

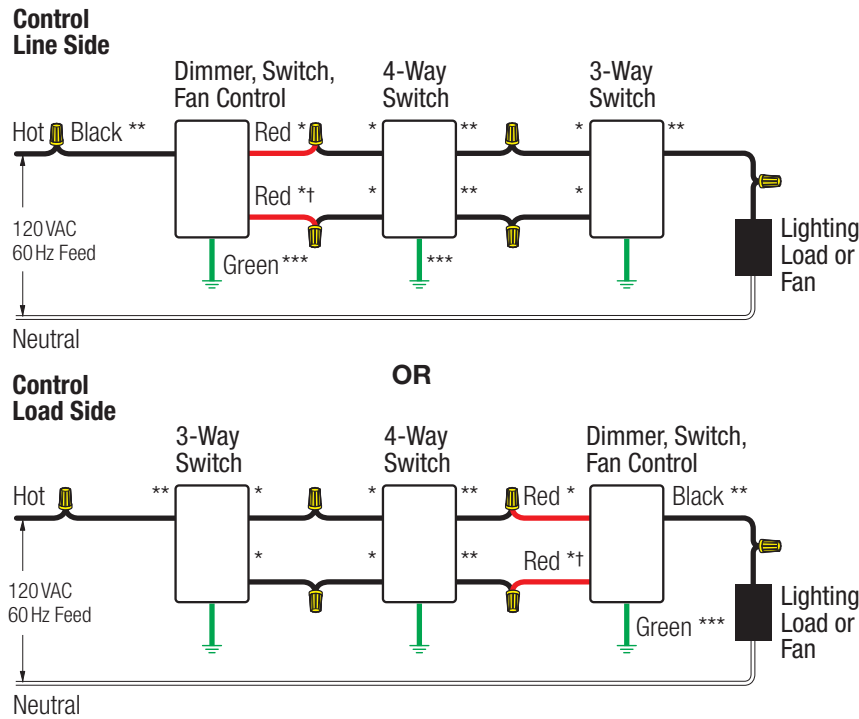
3-way wiring



- * or Brass/Gold screw terminal
- ** or Copper/Black screw terminal
- *** or Green screw terminal
- † or Red/White stripe

Wiring diagram #7

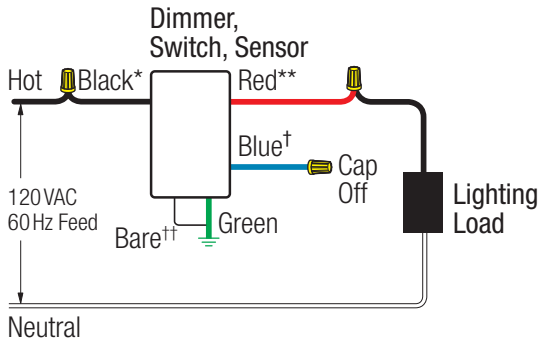
4-way wiring



- * or Brass/Gold screw terminal
- ** or Copper/Black screw terminal
- *** or Green screw terminal
- † or Red/White stripe

Wiring diagram #8

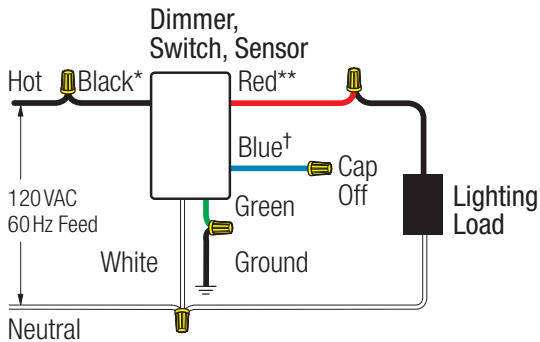
Single-location wiring of multi-location control



* or Copper/Black screw terminal
 ** or Brass/Gold screw terminal
 † or Blue screw terminal
 †† only applies to select Maestro sensor switches

Wiring diagram #9

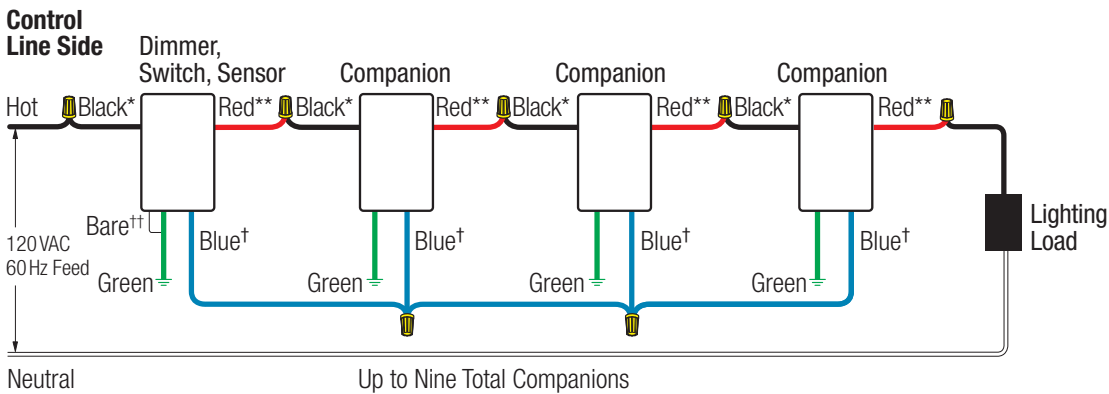
Single-location wiring of multi-location control with neutral wire connection



* or Copper/Black screw terminal
 ** or Brass/Gold screw terminal
 † or Blue screw terminal

Wiring diagram #10

Line side multi-location wiring

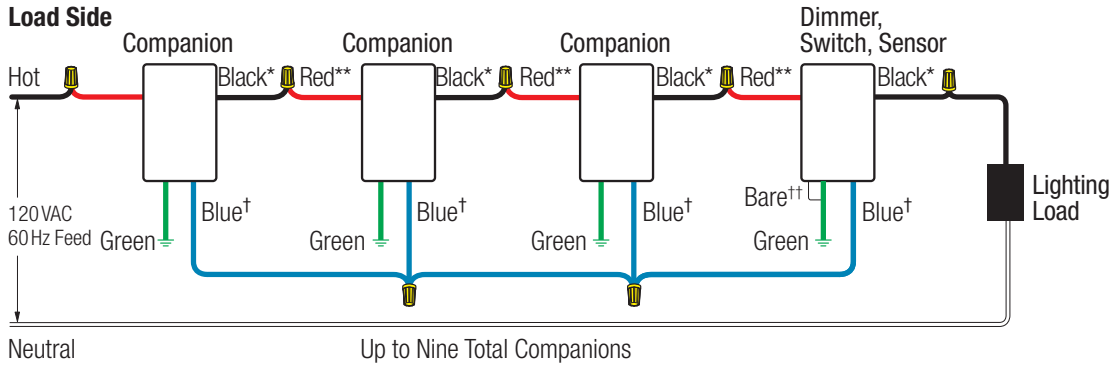


* or Copper/Black screw terminal
 ** or Brass/Gold screw terminal
 † or Blue screw terminal
 †† only applies to select Maestro sensor switches

Wiring diagram #11

Load side multi-location wiring

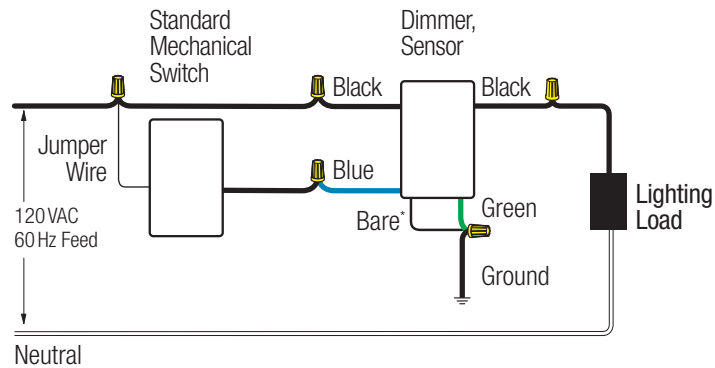
Control Load Side



- * or Copper/Black screw terminal
- ** or Brass/Gold screw terminal
- † or Blue screw terminal
- †† only applies to select Maestro sensor switches

Wiring diagram #12

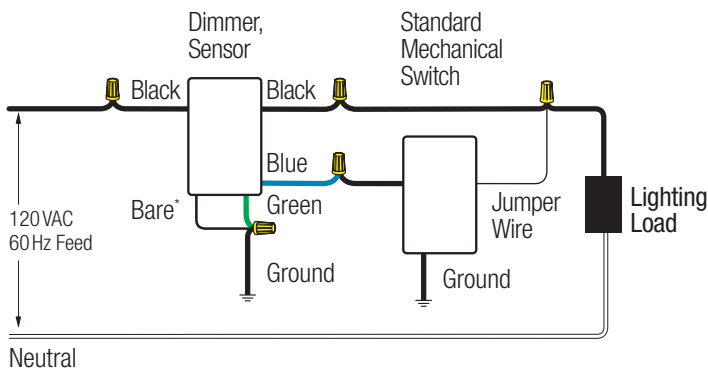
Load side 3-way wiring of multi-location control with standard mechanical switch



*only applies to select Maestro sensor switches

Wiring diagram #13

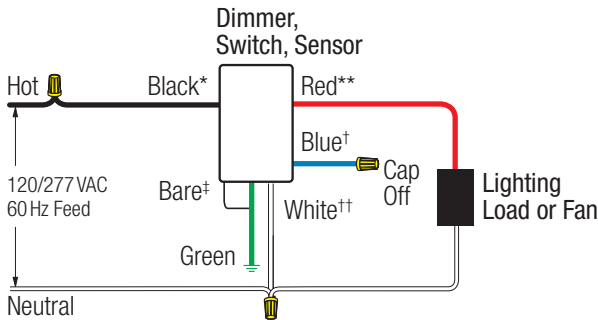
Line side 3-way wiring of multi-location control with standard mechanical switch



*only applies to select Maestro sensor switches

Wiring diagram #14

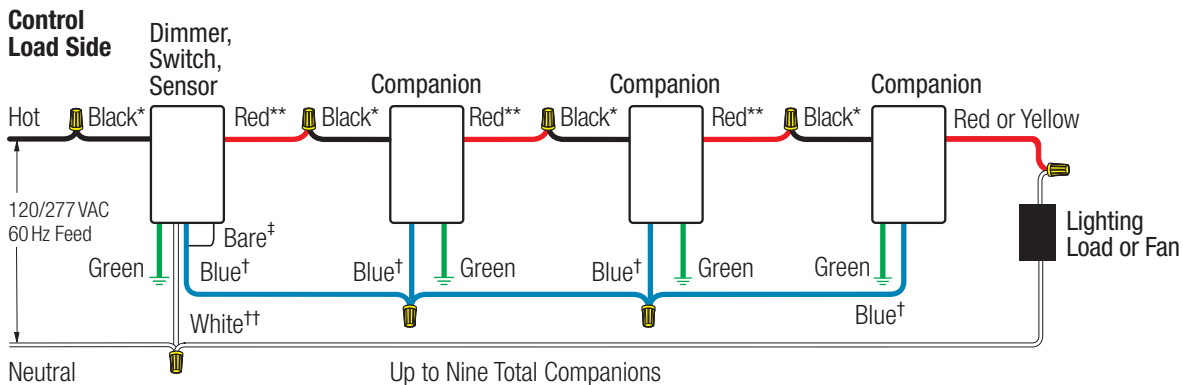
Single-pole wiring of multi-location control with neutral wire connection



*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 #15

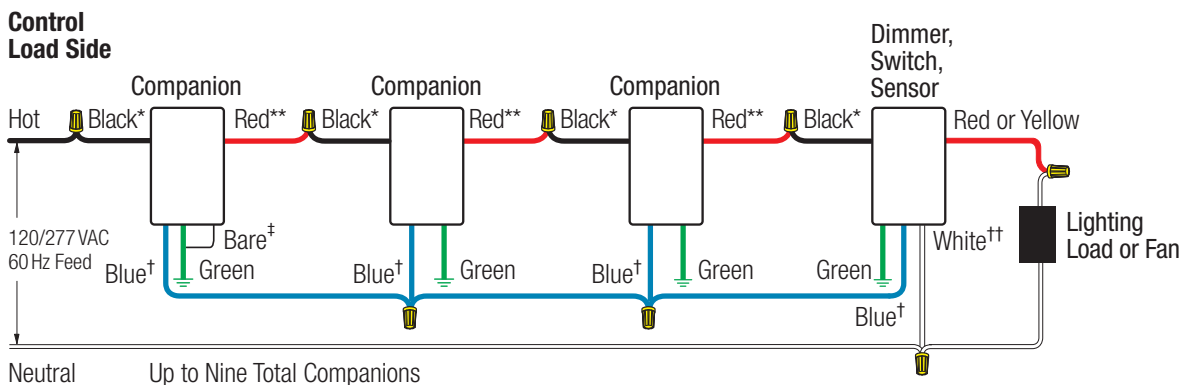
Line side multi-location wiring with neutral wire connection



*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 #16

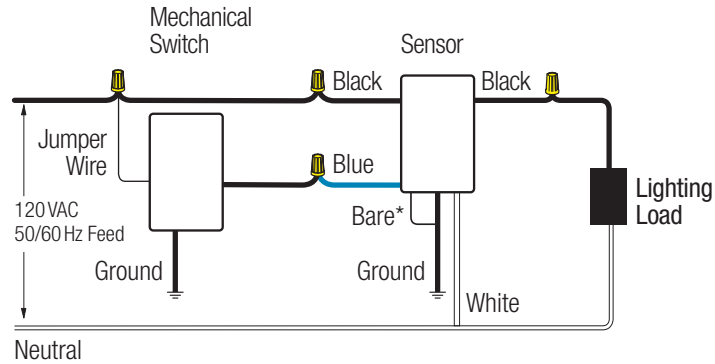
Load side multi-location wiring with neutral wire connection



*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 #17

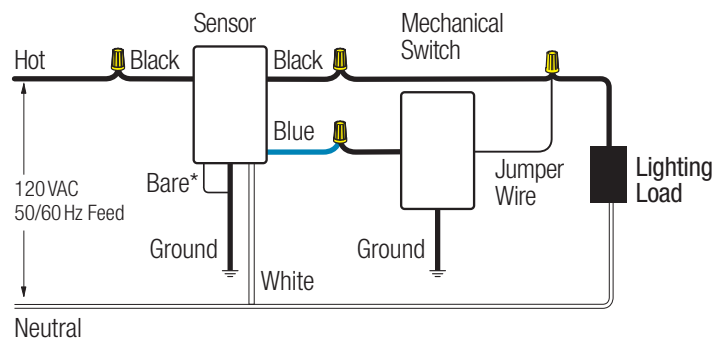
Load side 3-way wiring of multi-location control with neutral wire connection with mechanical switch



*only applies to select Maestro sensor switches

Wiring diagram #18

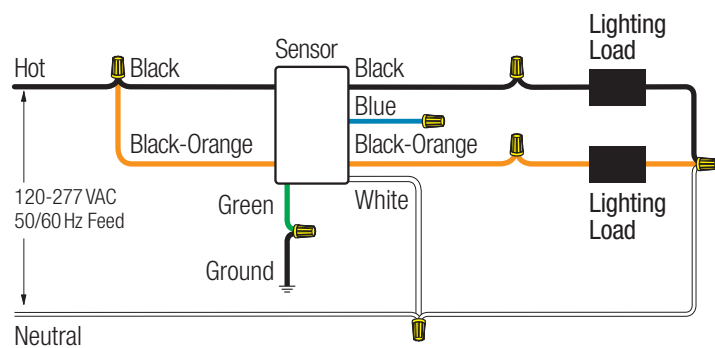
Line side 3-way wiring of multi-location control with neutral wire connection with mechanical switch



*only applies to select Maestro sensor switches

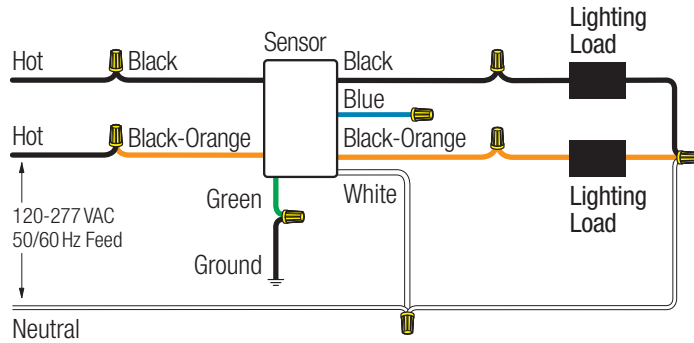
Wiring diagram #19

Single-pole, single breaker feed wiring for dual-circuit sensor with neutral wire connection



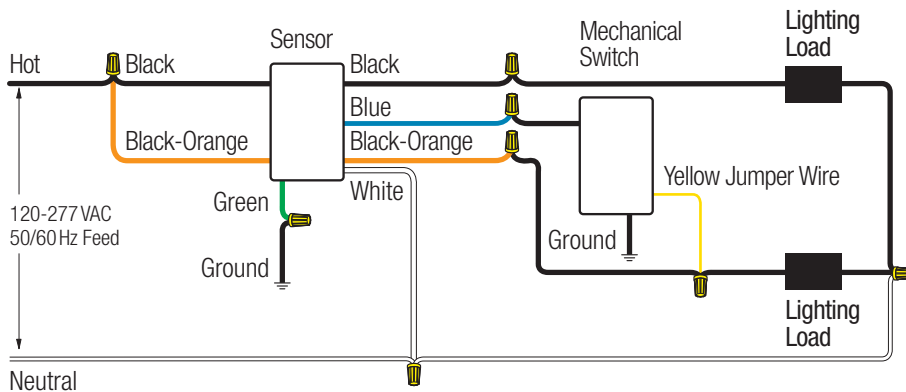
Wiring diagram #20

Single-pole, two breaker feed wiring for dual-circuit sensor with neutral wire connection



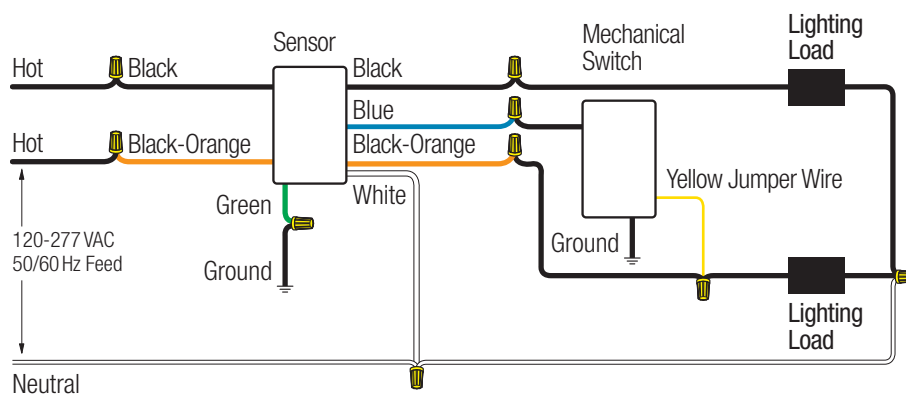
Wiring diagram #21

3-way, single breaker feed wiring for dual-circuit sensor with neutral wire connection with mechanical switch



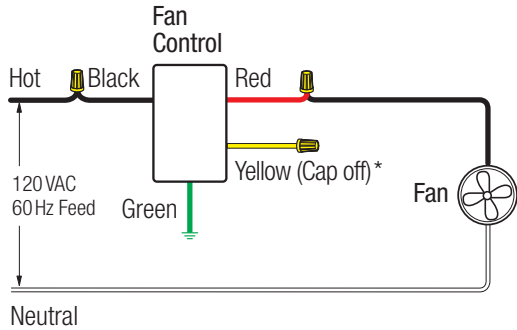
Wiring diagram #22

3-way, two breaker feed wiring for dual-circuit sensor with neutral wire connection with mechanical switch



Wiring diagram #23

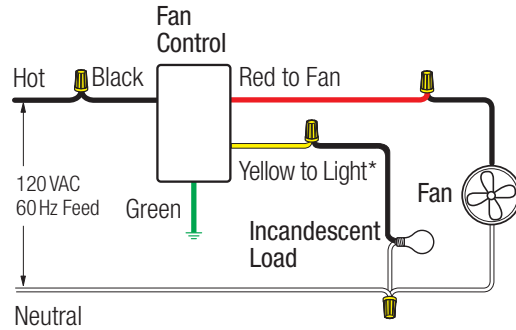
Single-pole wiring, fan-only control



* Switched full voltage only

Wiring diagram #24

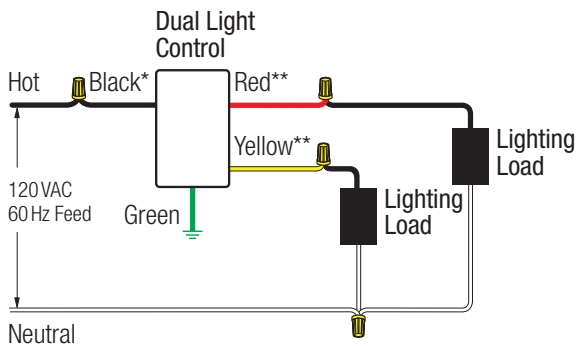
Single-pole wiring, fan and light control



* Switched full voltage only

Wiring diagram #25

Single-pole wiring, dual light control

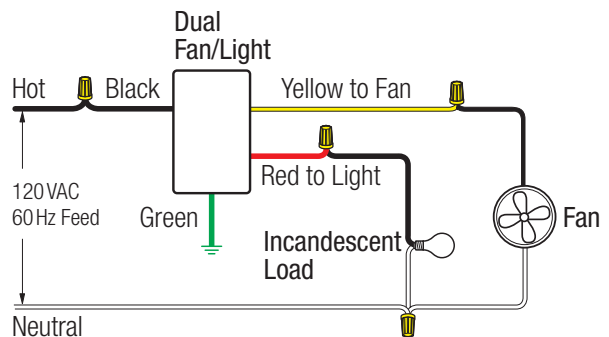


* or Black screw terminal

** or Brass/Gold screw terminal

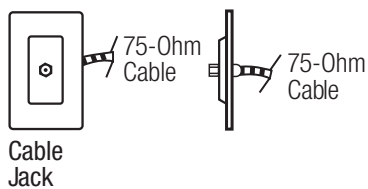
Wiring diagram #26

Single-pole wiring, dual fan/light control



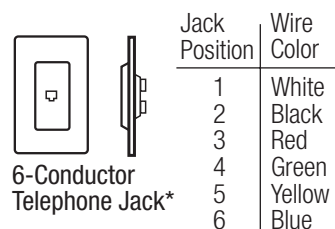
Wiring diagram #27

Cable jack wiring



Wiring diagram #28

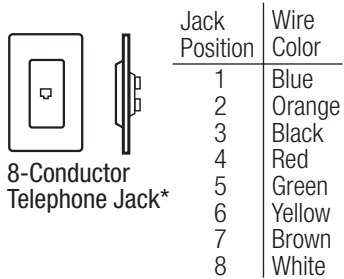
Telephone jack wiring, 6-conductor



*Accepts most 4-conductor jacks

Wiring diagram #29

Telephone jack wiring, 8-conductor

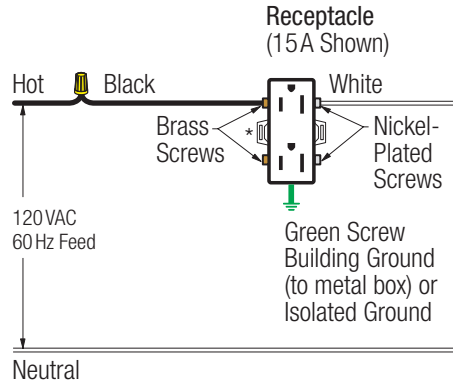


8-Conductor Telephone Jack*

*Accepts most 4- or 6-conductor jacks

Wiring diagram #30

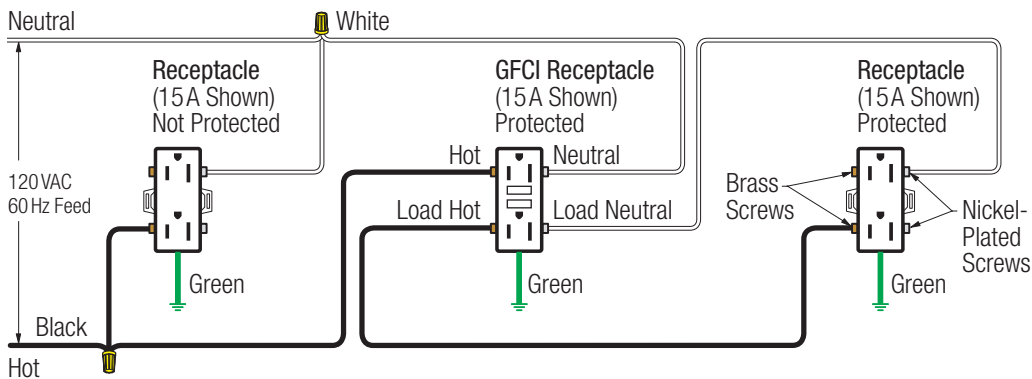
Receptacle wiring



*For split circuit wiring, break off tab on brass side only

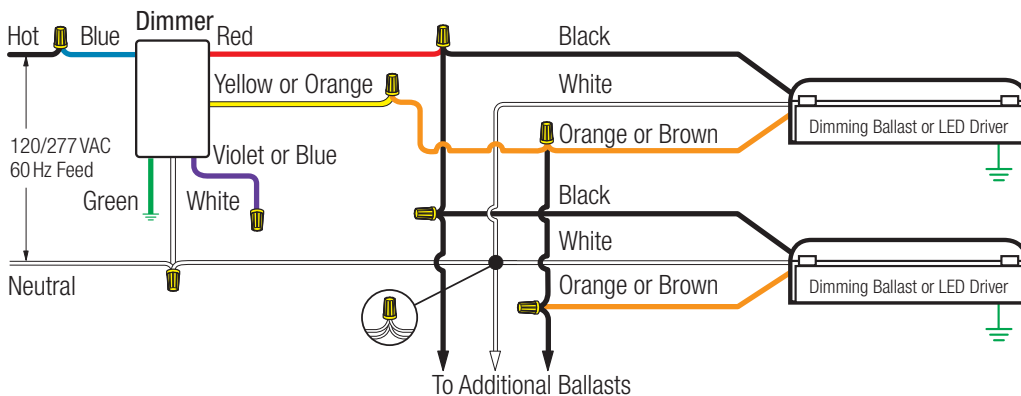
Wiring diagram #31

GFCI receptacle wiring



Wiring diagram #32

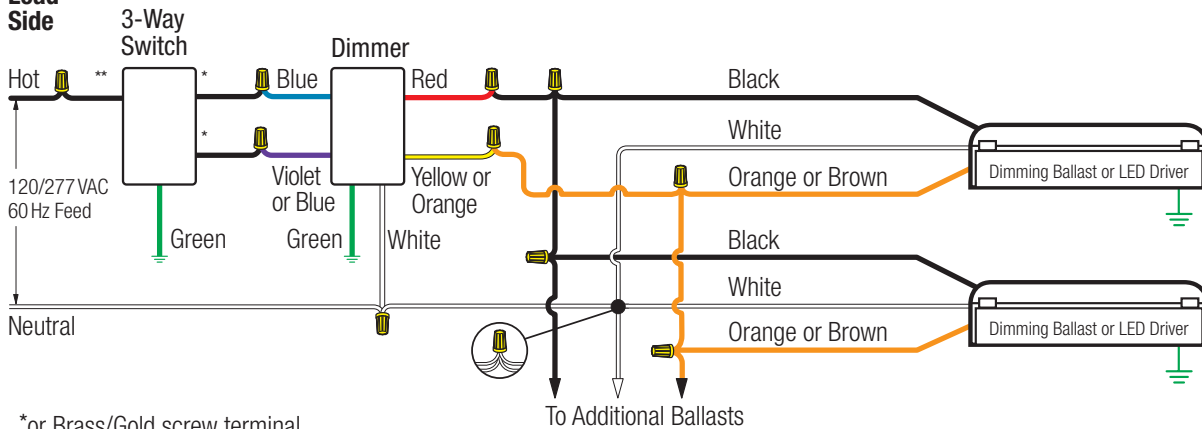
Single-pole wiring of 3-way, 3-wire control



Wiring diagram #33

3-way wiring of 3-wire control

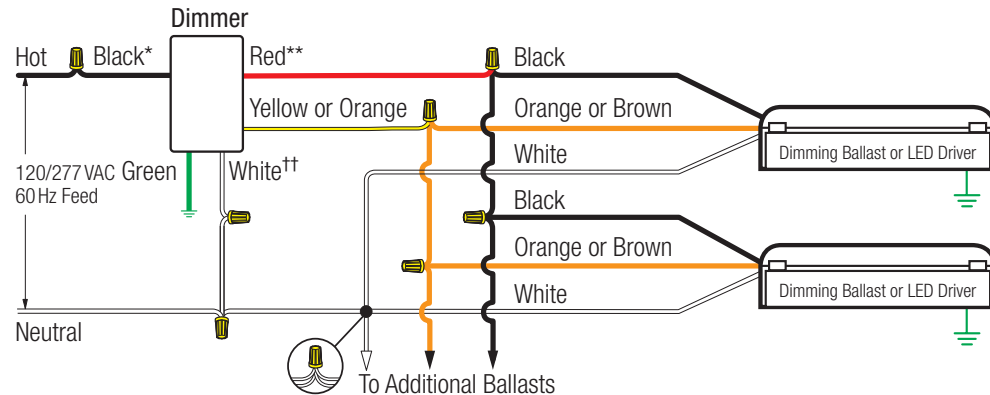
**Control
Load
Side**



* or Brass/Gold screw terminal
** or Copper/Black screw terminal

Wiring diagram #34

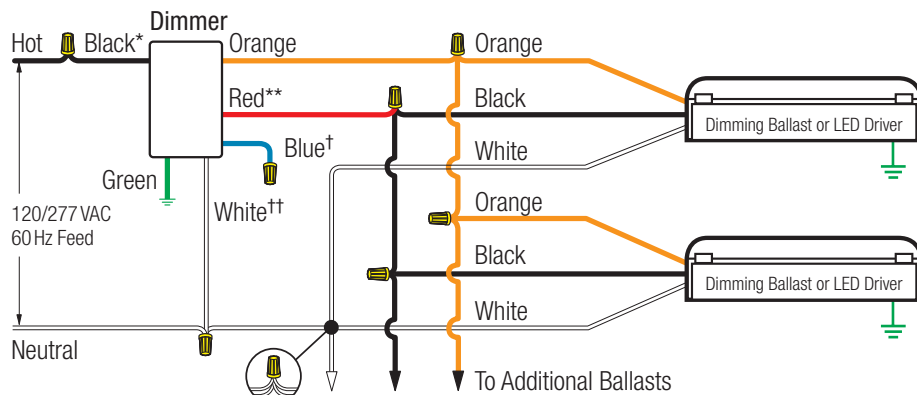
Single-pole wiring of 3-wire control



* or Copper/Black screw terminal
** or Brass/Gold screw terminal
† or Blue screw terminal
†† or Silver screw terminal

Wiring diagram #35

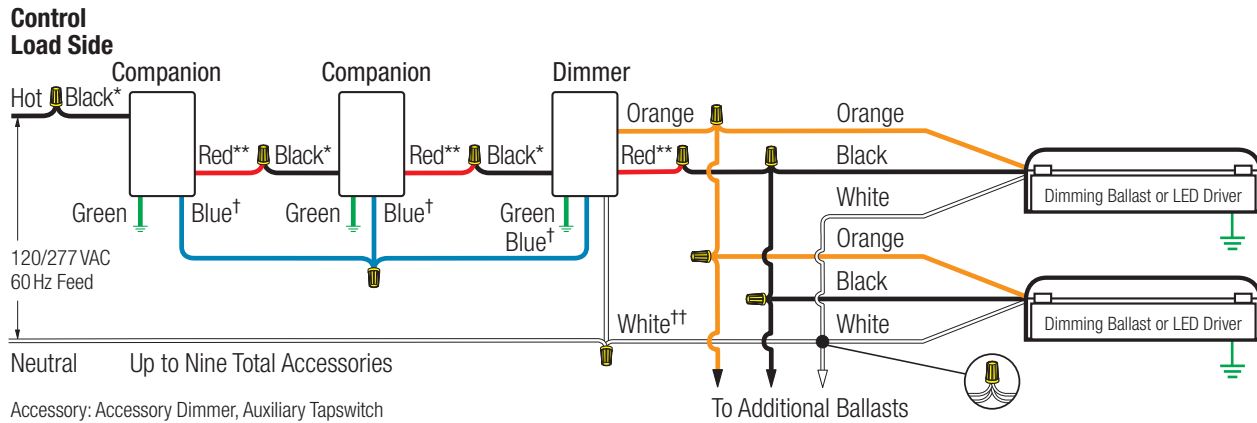
Single-pole wiring of multi-location 3-wire control



* or Copper/Black screw terminal
** or Brass/Gold screw terminal
† or Blue screw terminal
†† or Silver screw terminal

Wiring diagram #36

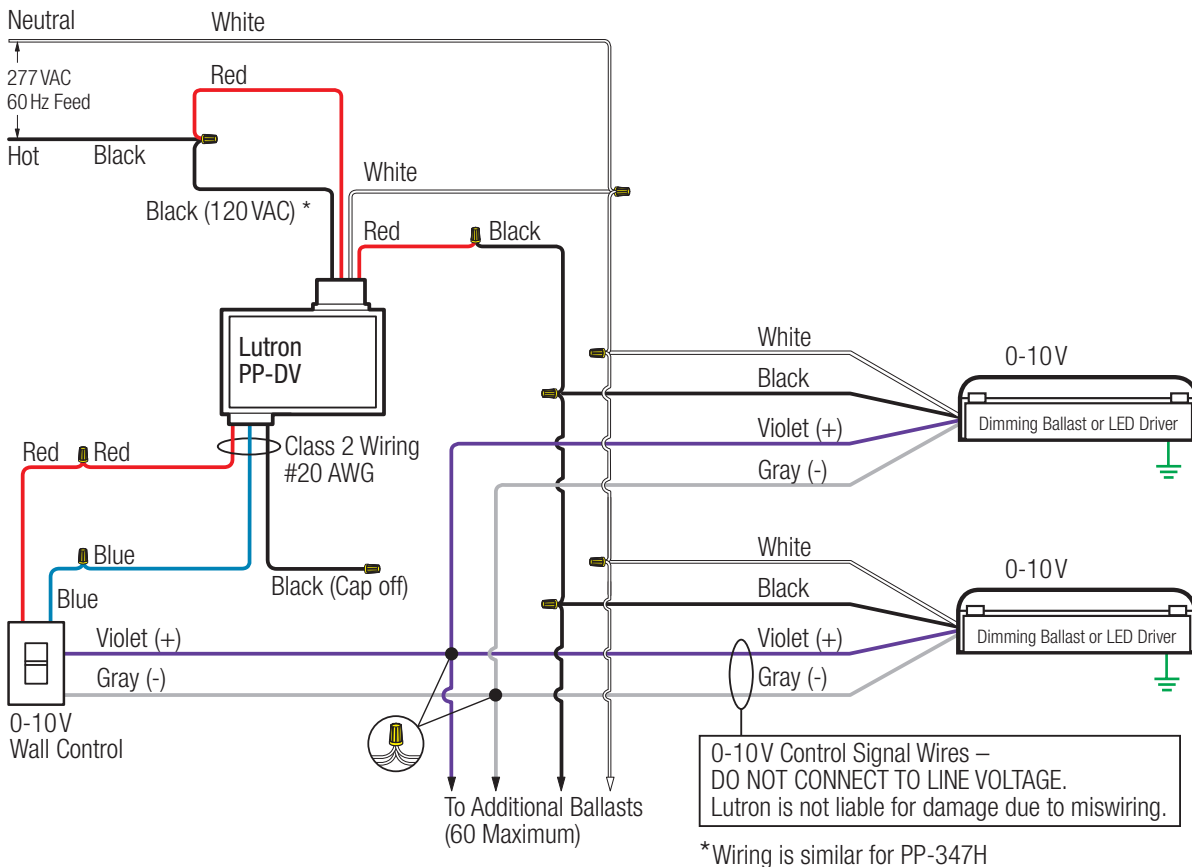
Multi-location wiring of 3-wire control



- * or Copper/Black screw terminal
- ** or Brass/Gold screw terminal
- † or Blue screw terminal
- †† or Silver screw terminal

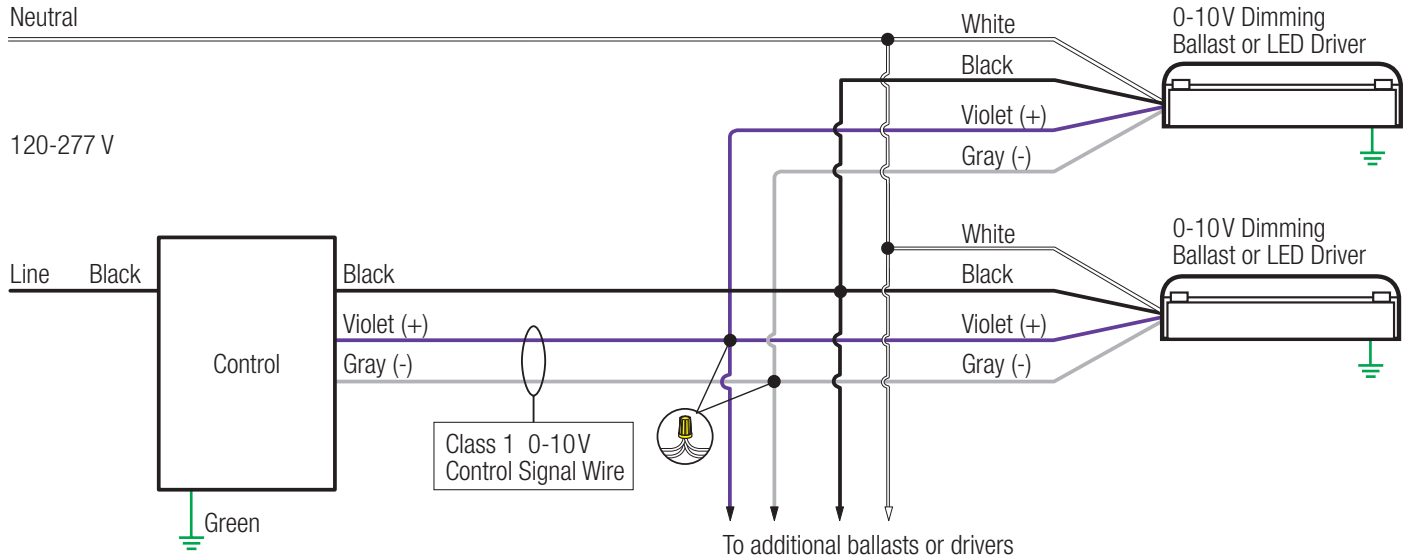
Wiring diagram #37

Single-pole wiring of 0-10V control and a power pack



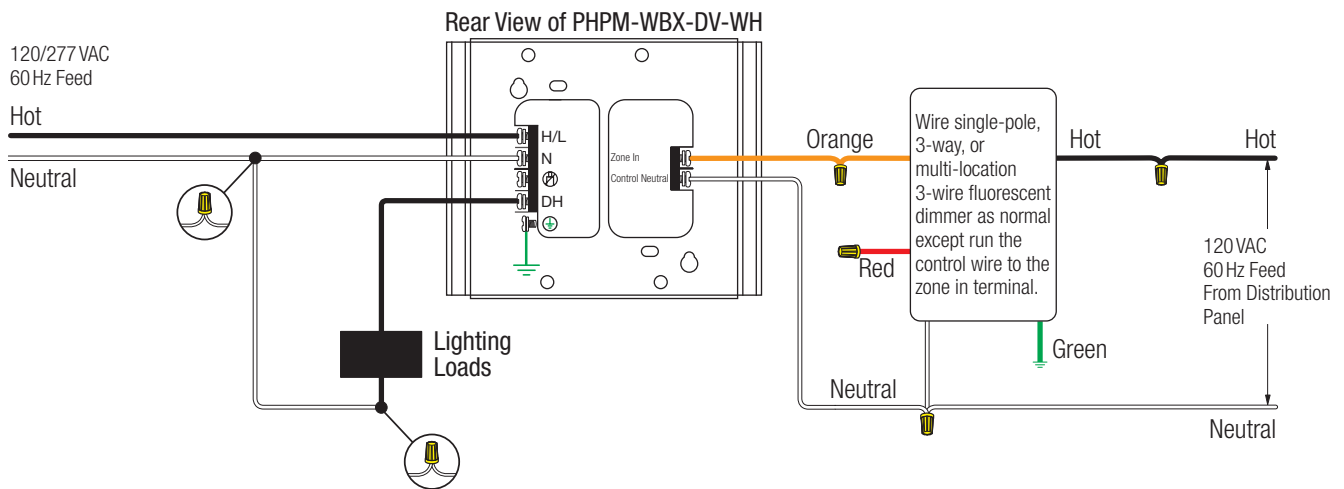
Wiring diagram #38

Single-pole wiring of 0-10V control



Wiring diagram #39

Wallbox phase adaptive power module with 3-wire control wiring:
Incandescent/halogen, MLV, ELV

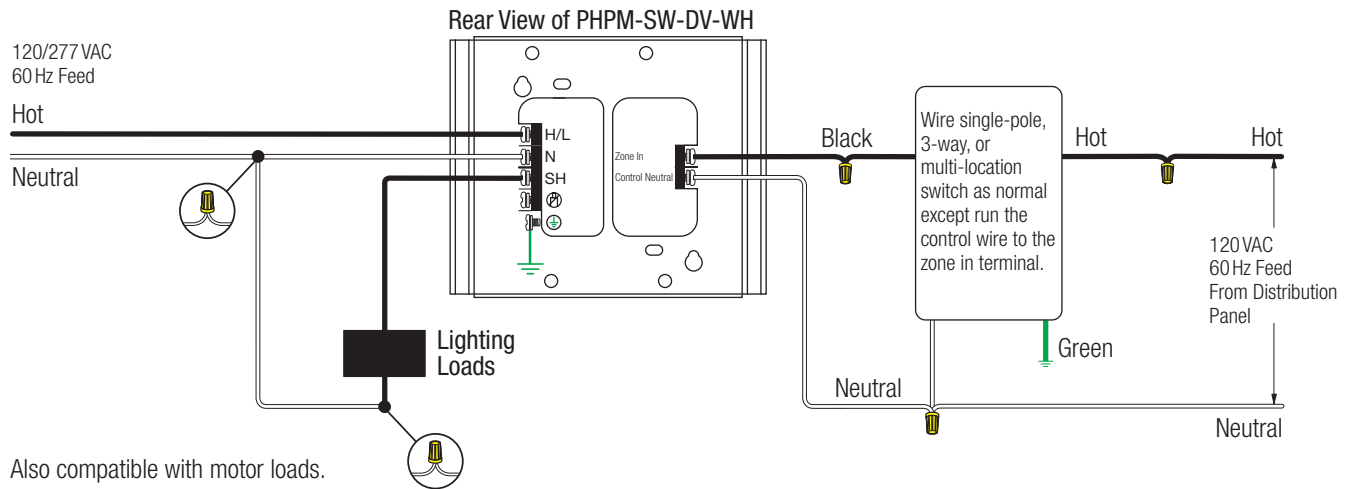


For neon/cold cathode loads, the 3-wire dimmers, low-end trim needs to be adjusted. Select a 3-wire dimmer that has an adjustable low-end trim.
*For Tu-Wire® loads replace PHPM-WBX-DV with a PHPM-PA-DW and wire it the same way.

Wiring diagram #40

Switching power interface with a Lutron switch:

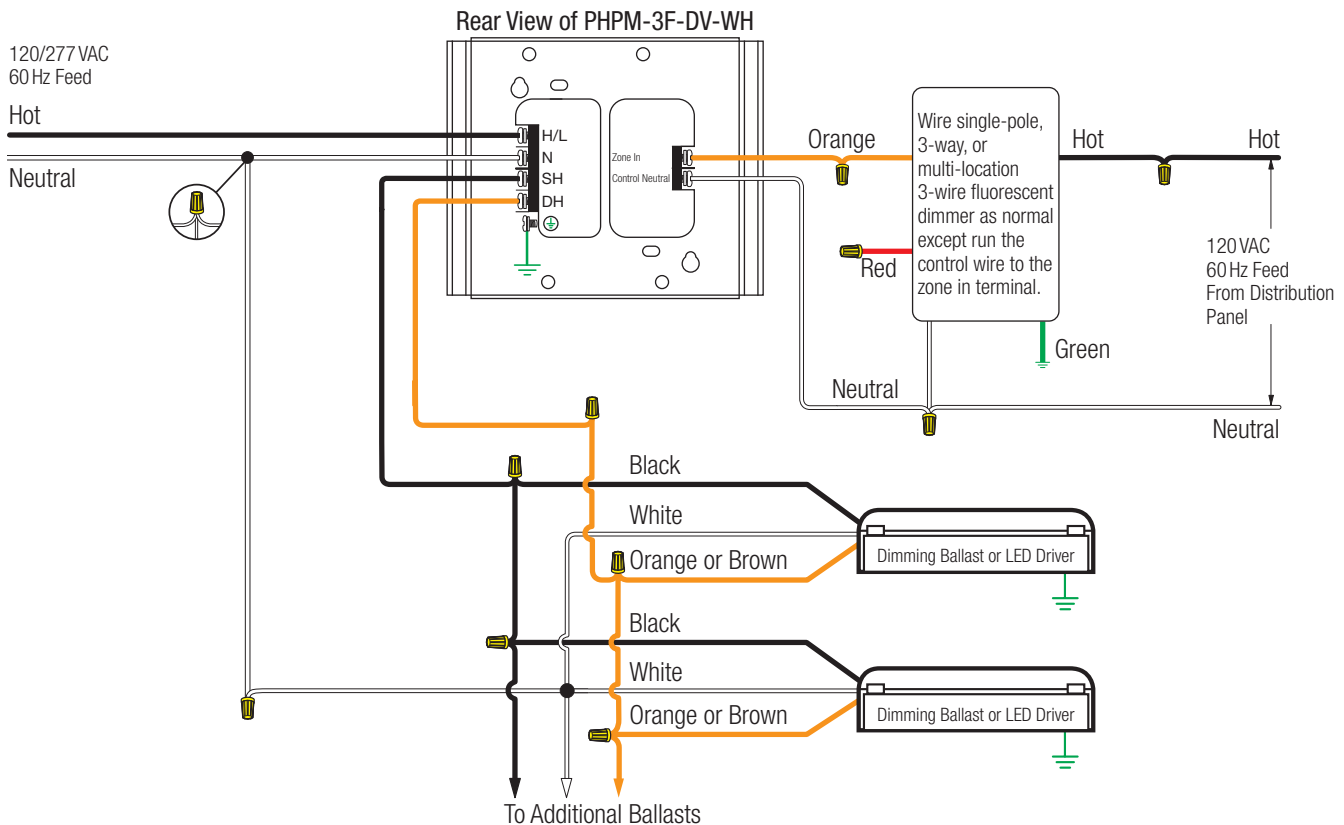
Incandescent/halogen, MLV, ELV, magnetic and electronic fluorescent ballasts, HID



Wiring diagram #41

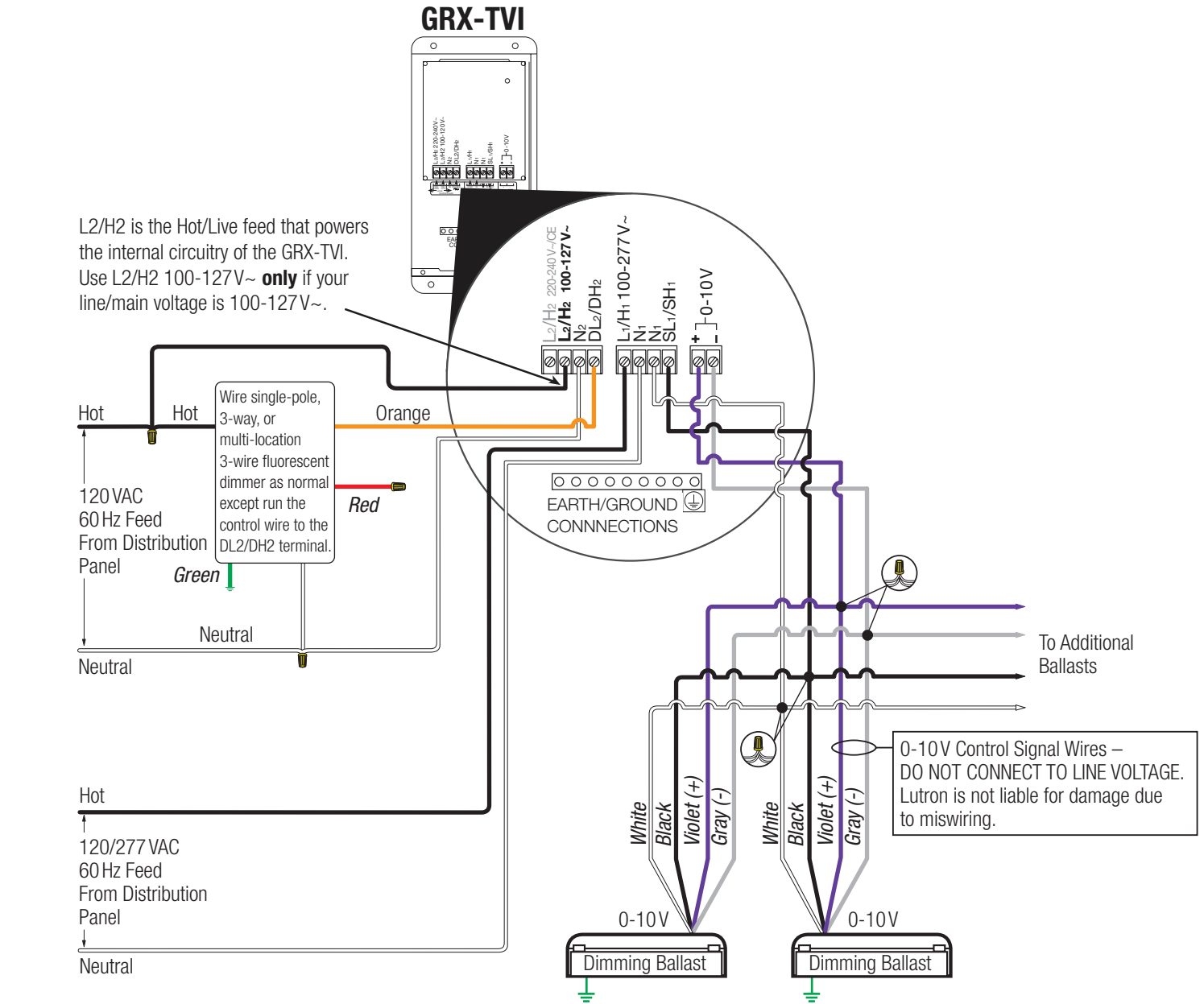
Fluorescent power module with 3-wire control:

3-wire fluorescent ballasts, 3-wire LED drivers



Wiring diagram #42

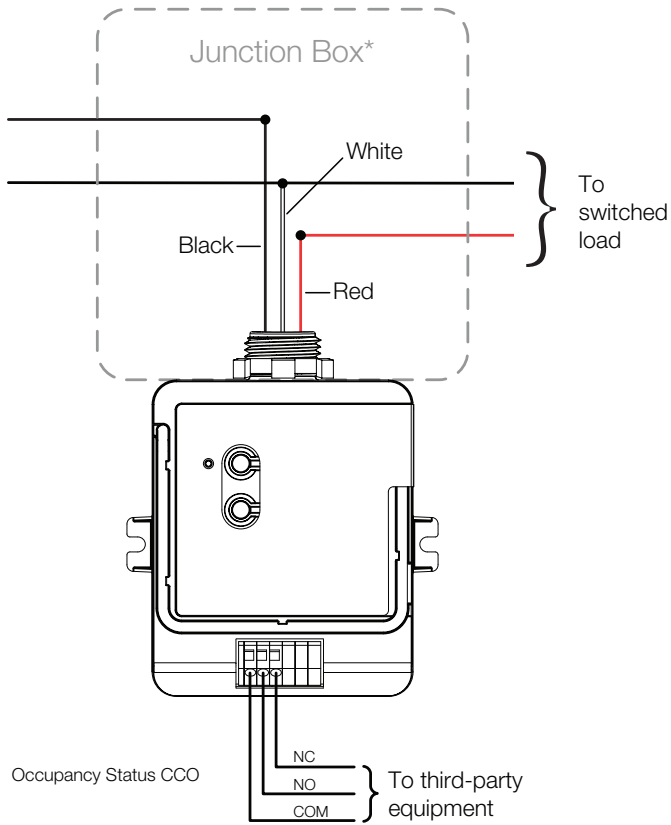
0–10V interface with 3-wire control wiring
 0–10V fluorescent ballasts, 0–10V LED drivers



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 #43

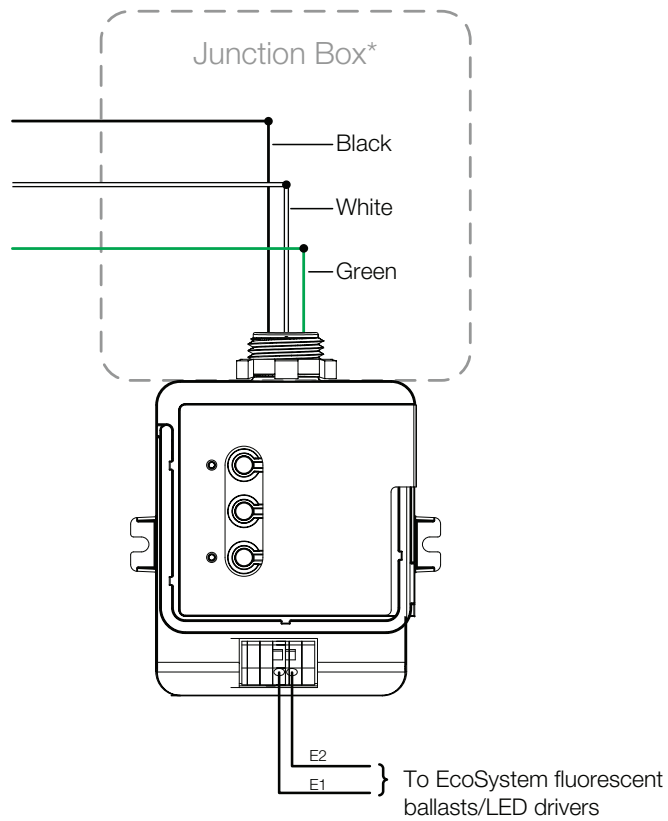
PowPak® relay module



* NOTE: Some applications require the 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 www.lutron.com/applicationnotes.

Wiring diagram #44

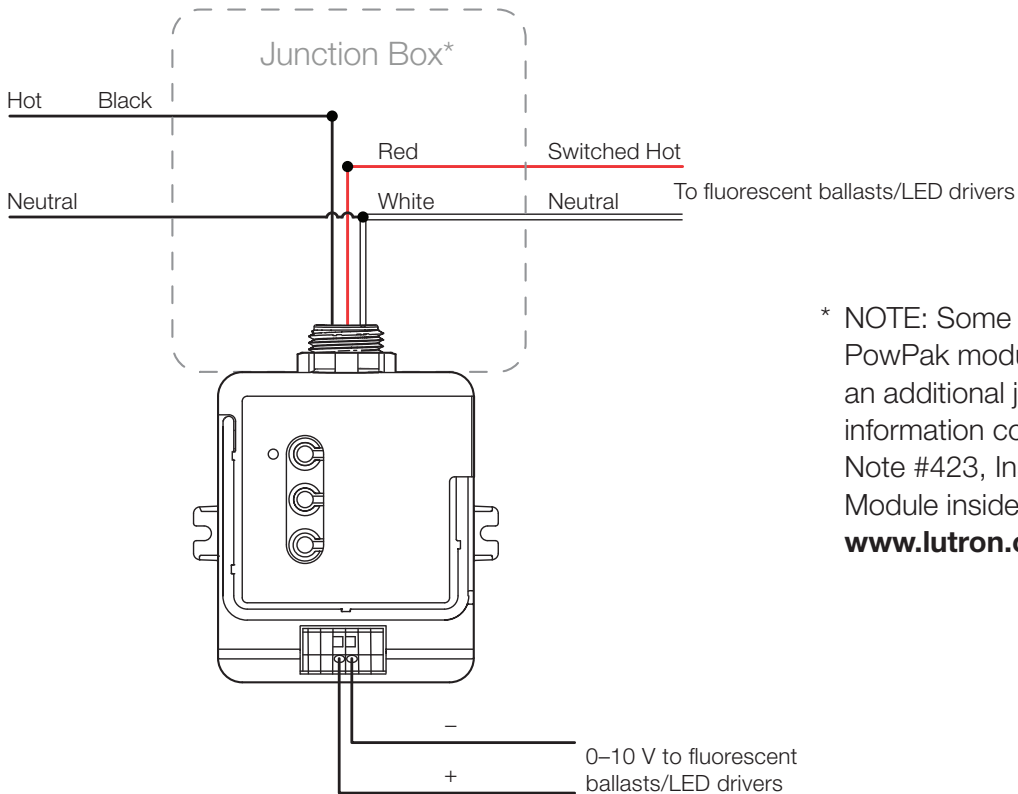
PowPak® dimming module with EcoSystem®



* NOTE: Some applications require the 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 www.lutron.com/applicationnotes.

Wiring diagram #45

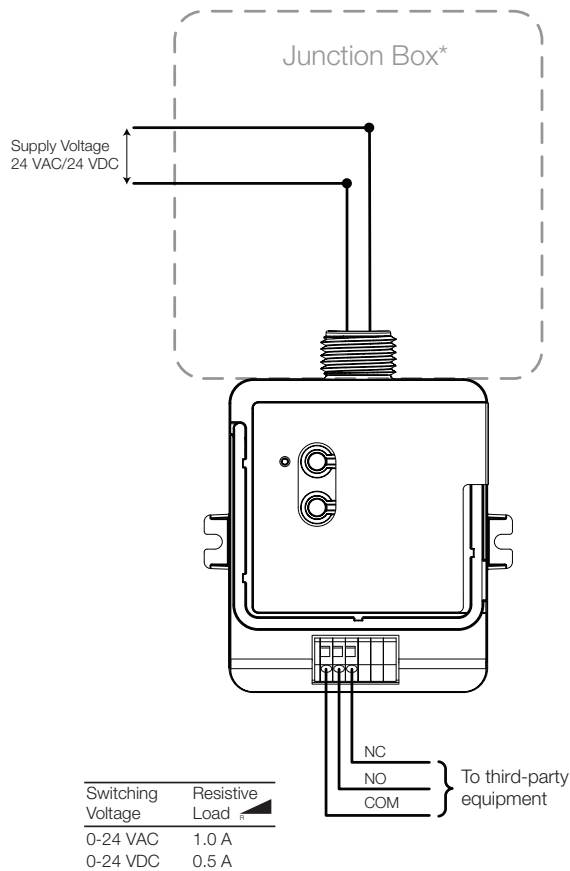
PowPak® dimming module with 0–10V control



* NOTE: Some applications require the 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 www.lutron.com/applicationnotes.

Wiring diagram #46

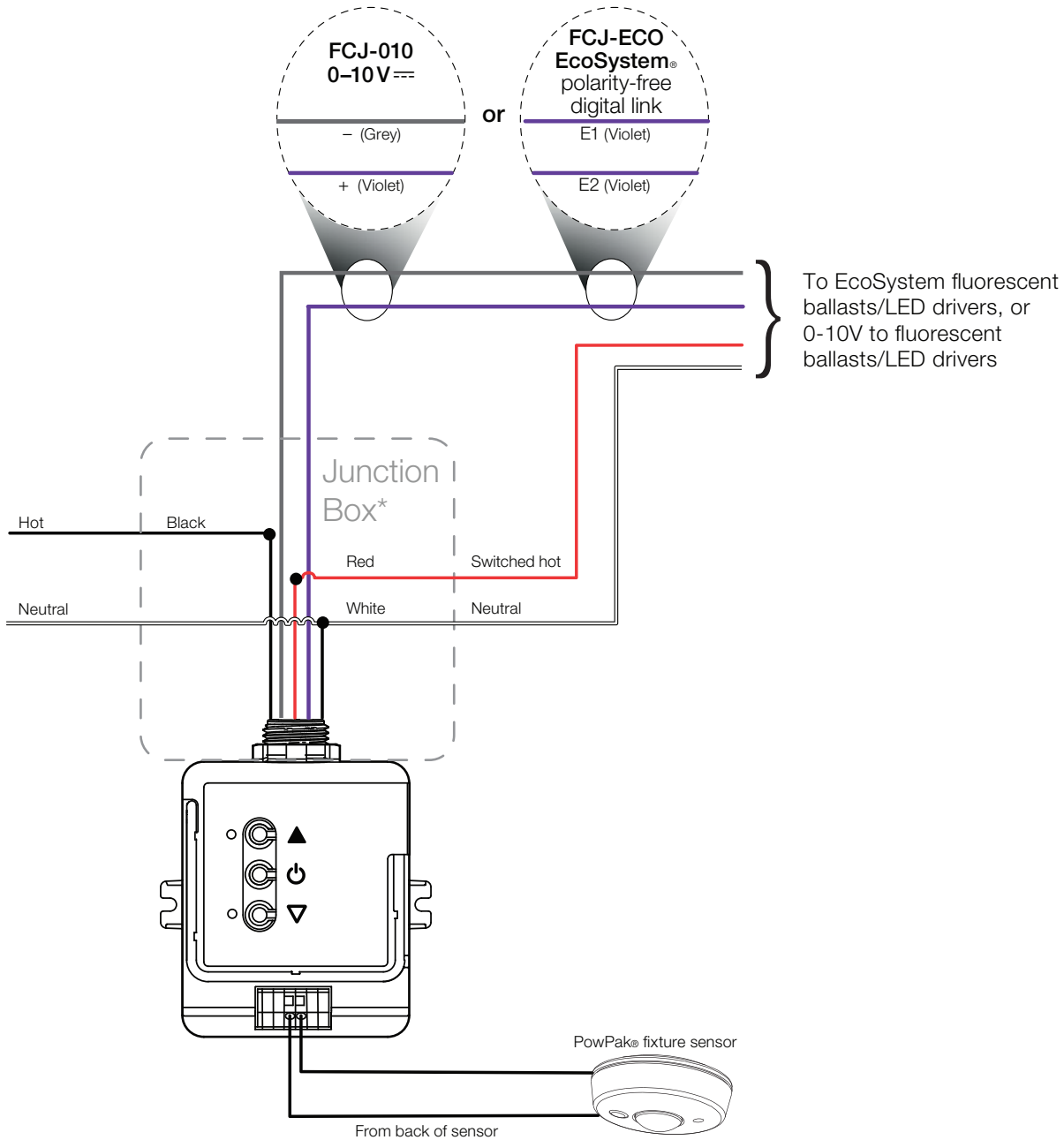
PowPak® contact closure module



* NOTE: Some applications require the 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 www.lutron.com/applicationnotes.

Wiring diagram #47

PowPak® wireless fixture module and fixture sensor



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-way 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 Time Clock

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 page 179 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. They offer 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 for 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. 248–254.

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 3x longer lamp life for incandescent/halogen lamps. Maximum light output of 85% guarantees enough 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 one-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 12 V). 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 an ELV type dimmers.

Electronic Switch

Uses semiconductor device(s) to turn on and off the current flow into the load. 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.

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-speed 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, page 179 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

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 or Quiet 7-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 ≥ 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 a slightly higher color temperature. Halogens have a longer life and higher lamp lumen depreciation. 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 (120 Volt). 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 a 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 the 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-based 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 www.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 12 V). 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 an 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)

Nova T☆® and Vareo® dimmers with no fins broken require additional gangs of backboxes and larger wallplates (see Fins Broken).

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 ensure energy savings. 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).

Quiet 7-Speed Fan Control

A fan control that offers seven pre-set speeds plus off, and can typically be used for controlling up to four ceiling paddle fans. 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 radio frequency interference (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)

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 www.lutron.com/dimcflled.

Screw-base LED Lighting

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 www.lutron.com/dimcflled.

Sensor

A device that detects motion, daylight, heat, and partition location, and provides the information to allow for automatic control of lighting, shading, and other building systems.

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

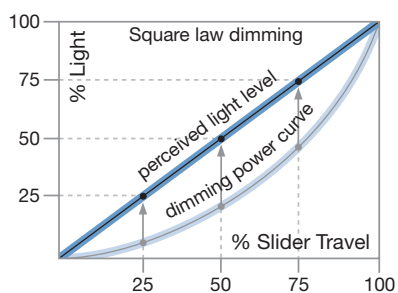
Smart dimmers use a microprocessor to set the light level and offer more advanced features, such as multi-location control, RF or IR remote control capability, and long fade times. These dimmers typically have a tap switch for on/off, a rocker switch to change light levels, and a column of LEDs to indicate relative light levels.

Soft-on, Fade-to-Black

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 or 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

An activator of a Lutron dimmer or electronic switch 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."

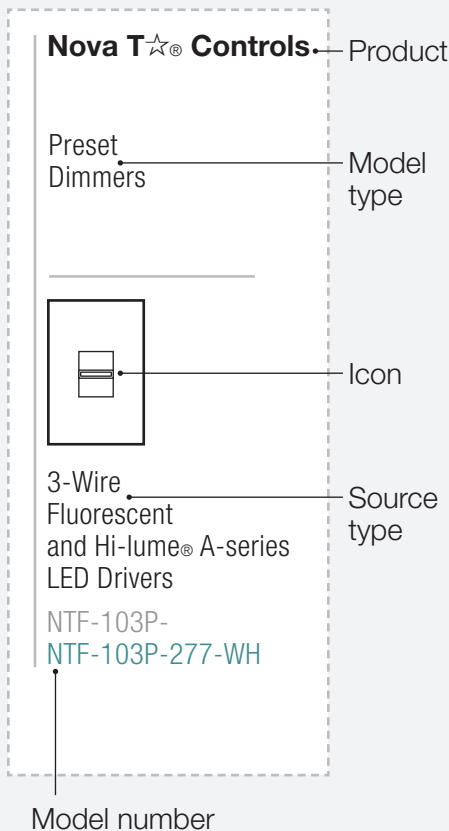
For a more detailed glossary of terms, go to www.lutron.com/glossaryofterms.

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

- WH** White
- IV** Ivory
- LA** Light Almond
- AL** Almond
- GR** Gray
- BR** Brown
- BL** Black

Satin Colors®

- SW** Snow
- LS** Limestone
- BI** Biscuit
- ES** Eggshell
- PD** Palladium
- ST** Stone
- BG** Bluestone
- PL** Plum
- SG** Sea Glass
- TQ** Turquoise
- GS** Goldstone
- DS** Desert Stone
- SI** Sienna
- GB** Greenbriar
- MS** Mocha Stone
- TC** Terracotta
- HT** Hot
- MR** Merlot
- MN** Midnight

Architectural Matte

- WH** White
- IV** Ivory
- AL** Almond
- LA** Light Almond
- BE** Beige
- TP** Taupe
- GR** Gray
- SI** Sienna
- BR** Brown
- BL** Black

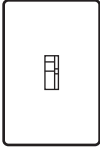
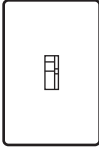
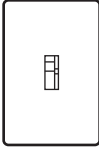
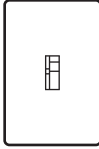
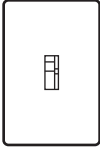
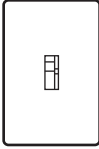
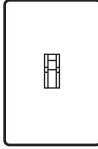
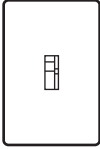
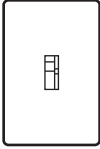
Architectural Metal

- BN** Bright Nickel
- BC** Bright Chrome
- CLA** Clear Anodized Aluminum
- SC** Satin Chrome
- SN** Satin Nickel
- QZ** Antique Bronze
- BB** Bright Brass
- BRA** Brass Anodized Aluminum
- SB** Satin Brass
- QB** Antique Brass
- BLA** Black Anodized Aluminum

Metal

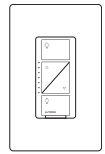
- SS** Stainless Steel

Ariadni® Controls p.112

| Preset Dimmers | Preset Dimmers with Locator Light | Fan Control | Fan/Light Control (Two Loads) |
|--|--|--|--|
|  <p>Incandescent/Halogen, Dimmable CFL/LED (screw-base) – C•L® AYCL-153P-</p> |  <p>Magnetic Low-Voltage AYLV-600P- AYLV-603P-</p> |  <p>Incandescent/Halogen AY-600PNL- AY-10PNL- AY-603PNL- AY-103PNL-</p> |  <p>Quiet 3-speed AYFSQ-F-</p> |
|  <p>Incandescent/Halogen, Dimmable CFL/LED (screw-base), Hi-lume® 1% 2-Wire LED Driver – C•L AYCL-253P-</p> |  <p>3-Wire Fluorescent Ballast/LED Driver AYF-103P- AYF-103P-277-</p> | |  <p>Quiet 3-speed and Incandescent/Halogen Dimmer AY2-LFSQ-</p> |
|  <p>Incandescent/Halogen AY-600P- AY-10P- AY-603P- AY-103P-</p> | | | |
|  <p>Incandescent/Halogen – eco-dim® AY-603PG-</p> | | | |

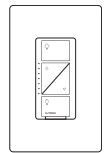
Caséta® Wireless Controls

Wireless In-wall Dimmers
p. 136



Incandescent/
Halogen,
Dimmable CFL/LED
(screw-base) –
C•L®

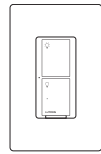
PD-6WCL-
P-PKG1W-WH*
P-BDG-PKG1W*
P-BDG-PKG2W*
P-BDGPRO-PKG1W*
P-BDGPRO-PKG2W*



Incandescent/
Halogen, Magnetic
Low-Voltage,
Dimmable CFL/
LED (screw-base),
Hi-lume® 1% 2-Wire
LED Driver, Tu-Wire®
Fluorescent Ballast
– C•L

PD-10NXD-
P-BDG-PKG2W2*

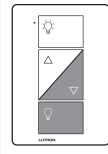
Wireless In-wall
Electronic Switches
p. 136



Switch

PD-6ANS-
PD-5WS-DV-

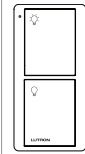
Wireless Plug-in
Lamp Dimmers
p. 144



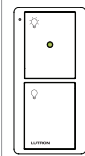
Incandescent/
Halogen,
Dimmable CFL/LED
(screw-base) –
C•L

PD-3PCL-
P-PKG1P-WH*
P-BDG-PKG2P*
P-BDGPRO-PKG2P

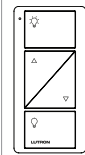
Pico® Wireless Remotes
p. 178



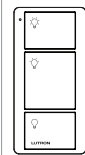
2-button
PJ2-2B-



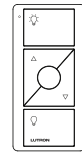
2-button
with Night Light
PJN-2B-



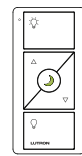
2-button
with Raise/Lower
PJ2-2BRL-



3-button
PJ2-3B-



3-button
with Raise/Lower
PJ2-3BRL-
PJ2-WALL-WH-L01*

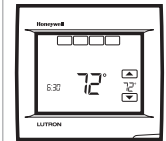


3-button
with Raise/Lower and
Night Light
PJN-3BRL-



PRO 4-button
PJ2-4B-

Temperature
Control
p. 148



Lutron Wireless
Thermostat
L-HWL2-WIFI

Bridges
p. 146

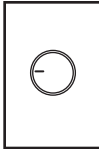
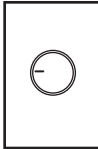
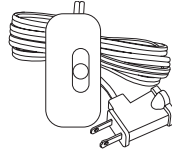
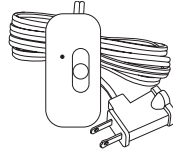
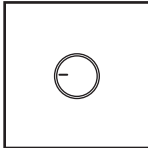
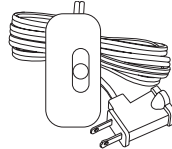
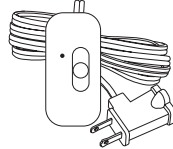


Smart Bridge
L-BDG2-WH



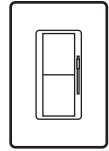
Smart Bridge PRO
L-BDGPRO2-WH

* “PKG” and “WALL” models are kits

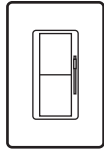
| Centurion® Controls p.52 | | Credenza® Controls p.132 | |
|---|---|--|---|
| Rotary Dimmers (Rotate On/Off) | Rotary Dimmers (Push On/Off) | Plug-in Lamp Dimmer | Plug-in Lamp Dimmer with Locator Light |
|  <p>Incandescent/Halogen C-600- C-1000-</p> |  <p>Incandescent/Halogen C-600P- C-10P- C-603P- C-103P</p> |  <p>Incandescent/Halogen, Dimmable CFL/LED (screw-base) – C-L® TTCL-100H-</p> |  <p>Incandescent/Halogen TT-300NLH-</p> |
|  <p>Incandescent/Halogen C-1500- C-2000-</p> | |  <p>Incandescent/Halogen TT-100H-</p> |  <p>Incandescent/Halogen – eco-dim® TT-300NLGH-</p> |

Diva® Controls p.86

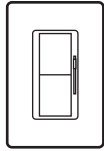
Dimmers



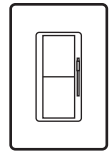
Incandescent/
Halogen,
Dimmable CFL/LED
(screw-base) –
C-L
DVCL-153P-
DVSCCL-153P-



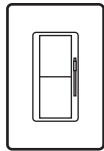
Incandescent/
Halogen –
eco-dim
DV-603PG-



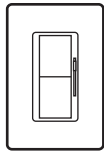
3-wire Fluorescent
Ballast/LED Driver
DVF-103P-
DVSCF-103P-
DVF-103P-277-
DVSCF-103P-277



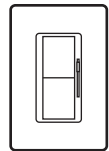
Incandescent/
Halogen,
Dimmable CFL/
LED (screw-base),
Hi-lume® 1%
2-wire LED Driver
–
C-L
DVCL-253P-
DVSCCL-253P-



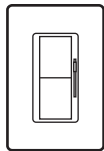
Magnetic
Low-Voltage
DVLV-600P-
DVSCLV-600P-
DVLV-10P-
DVSCLV-10P-
DVLV-603P-
DVSCLV-603P-
DVLV-103P-
DVSCLV-103P-



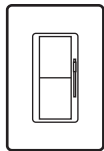
0-10V
Fluorescent/
LED Fixture
DVSTV-
DVSCSTV-
DVTV-
DVSCTV-



Incandescent/
Halogen
DV-600P-
DVSC-600P-
DV-10P-
DVSC-10P-
DV-603P-
DVSC-603P-
DV-103P-
DVSC-103P-

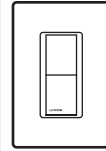


Electronic
Low-Voltage
DVELV-300P-
DVSCELV-300P-
DVELV-303P-
DVSCELV-303P-

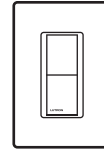


Tu-Wire
Fluorescent Ballast
DVFTU-5A3P-
DVSCFTU-5A3P-

Mechanical Switches

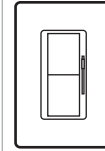


General Purpose
Switch
CA-1PS-
SC-1PS-
CA-3PS-
SC-3PS-
CA-4PS-
SC-4PS-



General Purpose
Switch with
Locator Light
CA-1PSNL-
SC-1PSNL-
CA-3PSNL-
SC-3PSNL-
CA-4PSNL-
SC-4PSNL-

Fan Controls



Quiet 3-speed
DVFSQ-F-
DVSCFSQ-F-
DVFSQ-F-HO-

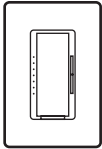
Energi TriPak® Controls

Maestro Wireless®
Digital Fade Wireless Dimmers
p. 152

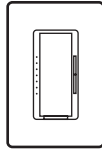
Maestro Wireless
Wireless Electronic
Switches p. 152

Maestro Wireless
Companion Controls
p. 152

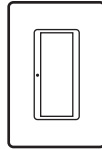
RF Switch
Wireless
Electronic Switch
p. 160



Incandescent/Halogen,
Dimmable CFL/LED
(screw-base) –
C-L
MRF2-6CL-



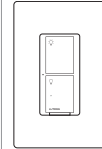
Incandescent/Halogen,
Magnetic Low-Voltage,
Hi-lume® 1% 2-wire
LED Driver, Tu-Wire®
Fluorescent Ballast
MRF2-6ND-120-



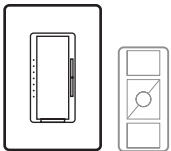
Switch
MRF2-6ANS-
MRF2-8ANS-120-
MRF2-8S-DV-



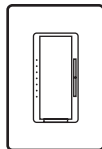
Companion Dimmer
MA-R-
MSC-AD-
MA-R-277-
MSC-AD-277-



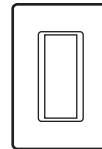
Switch
PD-5S-DV-



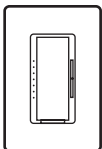
Incandescent/Halogen
MRF2-600M-
MRF2-600MTHW-WH*



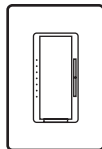
Electronic Low-Voltage
MRF2-6ELV-120-



Companion Switch
MA-AS-
MSC-AS-
MA-AS-277-
MSC-AS-277-



Incandescent/Halogen,
Magnetic Low-Voltage
MRF2-6MLV-
MRF2-10D-120-

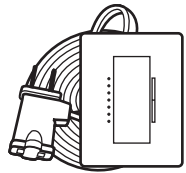


3-wire Fluorescent
Ballast/LED Driver
MRF2-F6AN-DV-

* "T" models include Pico® wireless remote

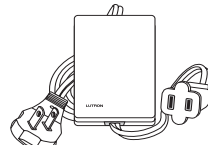
Energi TriPak® Controls (continued)

Maestro Wireless®
Plug-in Lamp Dimmer
p. 166

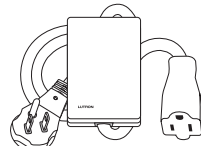


Plug-in Wireless
Tabletop Lamp Dimmer
MRF2-3LD

PowPak® Plug-in
Modules p. 168

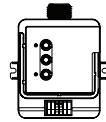


Dimming Module
MRF2-3PD-1-
MRF2-3PD-3-

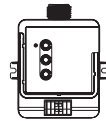


Appliance Module
MRF2-15APS-1-
MRF2-15APS-3-

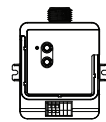
PowPak Remote-mount
Modules p. 170



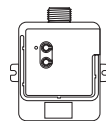
EcoSystem Fluorescent
Ballast/LED Driver
Dimming Module
RMJ-ECO32-DV-B



0-10 V Fluorescent/
LED Fixture
Dimming Module
RMJ-5T-DV-B



Contact Closure
Module
RMJ-CC01-24-B

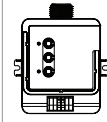


Switching Module
RMJ-5R-DV-B
RMJ-5R-CC01-DV-B
RMJ-16R-DV-B
RMJ-16RCC01-DV-B

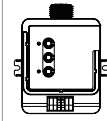


Switching Module
RMJ-H20R-DV-B

PowPak Wireless
Fixture Control
Modules p. 174

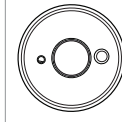


EcoSystem Fluorescent
Ballast/LED Driver
Fixture Control Module
FCJ-ECO



0-10 V Fluorescent/
LED Fixture
Control Module
FCJ-010

PowPak Fixture Sensor
p. 176

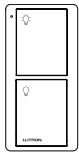


Fixture Sensor
FC-SENSOR
FC-VSENSOR

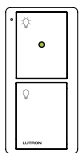
* "T" models include
Pico® wireless remote

Energi TriPak® Controls (continued)

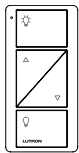
Pico® Wireless Remotes p. 178



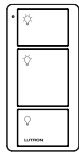
2-button
PJ2-2B-



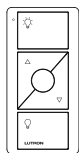
2-button
with Night Light
PJN-2B-



2-button
with Raise/Lower
PJ2-2BRL-



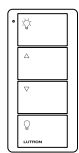
3-button
PJ2-3B-



3-button
with Raise/Lower
PJ2-3BRL-

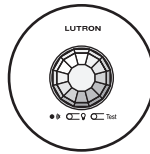


3-button
with Raise/Lower
and Night Light
PJN-3BRL-



4-button
PJ2-4B-

Radio Powr Savr™ Wireless
Sensors pp. 198 and 202



Occupancy/Vacancy Sensor
LRF2-OCR2B-P-WH
LRF2-VCR2B-P-WH



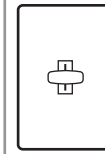
Occupancy/Vacancy Sensor
LRF2-OWLB-P-WH
LRF2-OKLB-P-WH
LRF2-OHLB-P-WH
LRF2-VWLB-P-WH
LRF2-VKLB-P-WH
LRF2-VHLB-P-WH



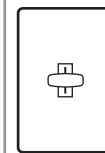
Daylight Sensor
LRF2-DCRB-WH

Glyder® Controls p. 120

Slide-to-Off
Dimmers

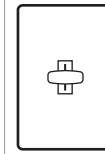


Incandescent/
Halogen
GL-600-
GL-1000-



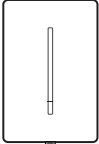
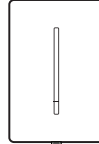
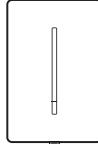
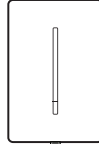
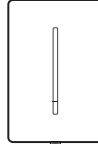
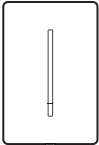
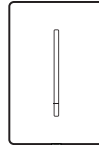
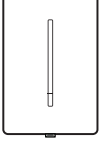
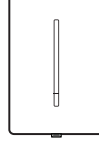
Magnetic
Low-Voltage
GLV-600-

Slide-to-Off
Fan Control



Fully Variable
GFS-5E-

GRAFIK T™ Controls p. 14

| Touch Dimmers | RF Touch Dimmers | Touch Electronic Switch | RF Touch Electronic Switch | Companion Control |
|--|---|---|---|--|
|  <p>Incandescent/Halogen, Dimmable LED (screw-base) – C-L GT-150-WH</p> |  <p>Incandescent/Halogen, Dimmable LED (screw-base) – C-L GTJ-150-WH</p> |  <p>Switch GT-5ANSM-WH</p> |  <p>Switch GTJ-5ANSM-WH</p> |  <p>Companion Device GT-AD-WH</p> |
|  <p>Incandescent/Halogen, Dimmable LED (screw-base), Magnetic Low-Voltage, Hi-lume® 1% 2-wire LED Driver, Tu-Wire® Fluorescent Ballast – C-L GT-250M-WH</p> |  <p>Incandescent/Halogen, Dimmable LED (screw-base), Magnetic Low-Voltage, Hi-lume® 1% 2-wire LED Driver, Tu-Wire® Fluorescent Ballast – C-L GTJ-250M-WH</p> | | | |
|  <p>Incandescent/Halogen, Dimmable LED (screw-base), Magnetic Low-Voltage, Electronic Low-Voltage, Hi-lume® 1% 2-wire LED Driver, Tu-Wire® Fluorescent Ballast GT-5NEM-WH</p> |  <p>Incandescent/Halogen, Dimmable LED (screw-base), Magnetic Low-Voltage, Electronic Low-Voltage, Hi-lume® 1% 2-wire LED Driver, Tu-Wire® Fluorescent Ballast GTJ-5NEM-WH</p> | | | |

GRAFIK T™ Controls (continued) p. 14

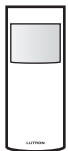
Radio Powr Savr™
Wireless Sensors
pp. 198 and 202

Pico® Wireless Remotes
p. 178



Occupancy/Vacancy
Sensors

LRF2-OCR2B-P-WH
LRF2-VCR2B-P-WH

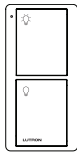


Occupancy/Vacancy
Sensors

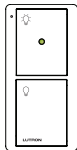
LRF2-OWLB-P-WH
LRF2-OKLB-P-WH
LRF2-OHLB-P-WH
LRF2-VWLB-P-WH
LRF2-VKLB-P-WH
LRF2-VHLB-P-WH



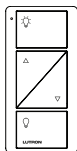
Daylight Sensor
LRF2-DCRB-WH



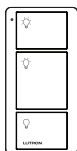
2-button
PJ2-2B-



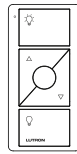
2-button with
Night Light
PJN-2B-



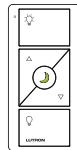
2-button with Raise/
Lower
PJ2-2BRL-



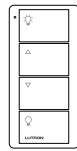
Pico 3-button
PJ2-3B-



3-button with Raise/
Lower
PJ2-3BRL-



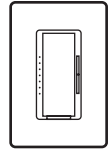
3-button with Raise/
Lower and Night Light
PJN-3BRL-



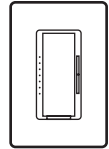
4-button
PJ2-4B-

Maestro® Controls p.56

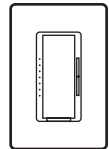
Digital Fade Dimmers



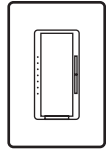
Incandescent/Halogen,
Dimmable CFL/LED
(screw-base) –
C-L
MACL-153M-



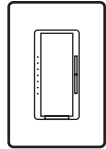
Incandescent/Halogen
MA-600-
MSC-600M-
MA-1000-
MSC-1000M-



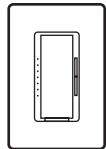
Incandescent/Halogen
– eco-dim
MA-600G-



Magnetic Low-Voltage
MALV-600-
MSCLV-600M-
MALV-1000-
MSCLV-1000M-

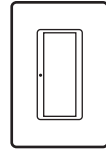


Electronic Low-Voltage
MAELV-600-
MSCELV-600M-



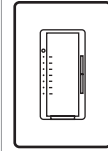
3-wire Fluorescent
Ballast/LED Driver
MAF-6AM-
MSCF-6AM-
MAF-6AM-277-
MSCF-6AM-277-

Electronic Switches

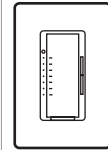


Switch
MA-S8AM-
MSC-S8AM-
MAF-S6AM-277-
MSCF-S6AM-277-

Countdown Timer
Switches

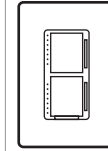


Timers
MA-T51-
MA-T51MN-



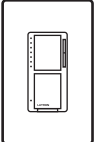
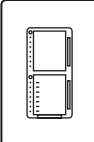


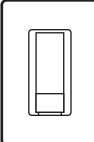

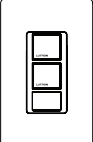

Timer – eco-timer
MA-T530G-

Dual Digital Fade
Dimmer (Two Loads)



Incandescent/Halogen
and Incandescent/
Halogen
MA-L3L3-

Maestro® Controls (continued) p.56

| 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-</p> |  <p>Incandescent/Halogen and Timer MA-L3T251-</p> |  <p>Incandescent/Halogen, Dimmable CFL/LED (screw-base) – C•L MSCL-OP153M- MSCL-VP153M-</p>  <p>0–10 V 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> |

Maestro® Controls (continued) p.56

Digital Fan Controls

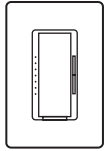
Digital Preset Fan/
Light Controls
(Two Loads)

Canopy Module

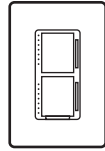
Companion Controls

Maestro® IR Controls
p. 76

Remote Control Digital
Fade Dimmers



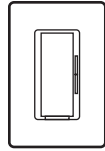
Quiet 7-speed
MA-FQ4FM-
MA-FQ3-



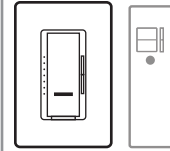
Quiet 7-speed and
Incandescent/Halogen
Dimmer
MA-LFQHW-WH
MA-LFQM-



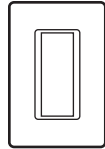
Fan-mounted
CM-FQ1



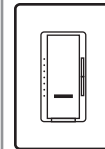
Companion Dimmer
MA-R-
MSC-AD-
MA-R-277-
MSC-AD-277-



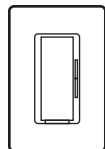
Incandescent/Halogen
MIR-600-
MIR-1000-
MIR-600M-
MIR-1000M-
MIR-600T-*
MIR-1000T-*
MIR-600MT-*
MIR-1000MT-*
MIR-600THW-*
MIR-603THW-*



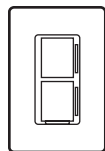
Companion Switch
MA-AS-
MSC-AS-
MA-AS-277-
MSC-AS-277-



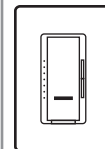
Magnetic Low-Voltage
MIRLV-600-
MIRLV-1000-
MIRLV-600M-
MIRLV-1000M-



Companion Fan Control
MA-AFQ4-





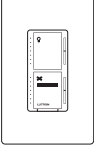


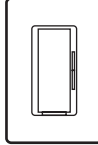

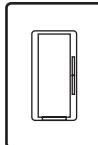

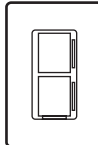

Companion Fan/
Light Control
MA-ALFQ35-



Electronic Low-Voltage
MIRELV-600-
MIRELV-600M-

* "T" models include
remote control

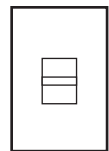
Maestro® IR Controls (continued) p.76

| Remote Control Digital Fan Controls | Remote Control Digital Fan/Light Controls (Two Loads) | Canopy Module | Companion Controls | |
|--|--|---|--|--|
|   <p>Quiet 7-speed MIR-FQ4FM- MIR-FQ4FMT-*</p> |   <p>Quiet 7-speed and Incandescent/Halogen Dimmer MIR-LFQMT- MIR-LFQTHW-*</p> |  <p>Fan-mounted CM-FQ1</p> |  <p>Companion Dimmer MA-R- MSC-AD-</p> |  <p>Light IR Remote Control MIR-ITFS-WH</p> |
| | | |  <p>Companion Fan Control MA-AFQ4-</p> |  <p>Fan IR Remote Control MIR-ITFS-F-WH</p> |
| | | |  <p>Companion Fan/Light Control MA-ALFQ35-</p> |  <p>Fan/Light IR Remote Control MIR-ITFS-LF-WH</p> |

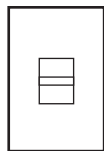
* "T" models include remote control

Nova® Controls p.42

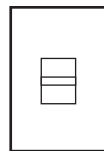
Slide-to-Off Dimmers



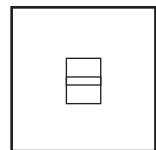
Incandescent/Halogen
N-600-
N-1000-



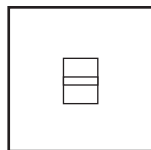
3-wire Fluorescent
Ballast/LED Driver
NF-10-



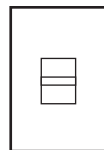
Tu-Wire Fluorescent
Ballast
NFTU-5A-



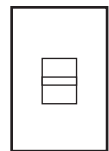
Incandescent/Halogen
N-1500-
N-2000-



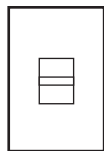
3-wire Fluorescent
Ballast/LED Driver
NF-10-277-



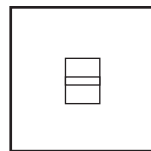
Magnetic Fluorescent
Ballast
NF-10-



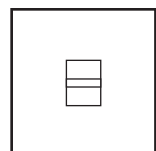
Magnetic Low-Voltage,
Neon/Cold Cathode
NLV-600-



0-10 V Fluorescent/
LED Fixture
NFTV-

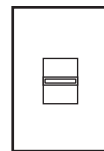


Magnetic Fluorescent
Ballast
NF-20-
NF-30-
NF-10-277-
NF-20-277-

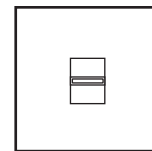


Magnetic Low-Voltage
Neon/Cold Cathode
NLV-1000-
NLV-1500-

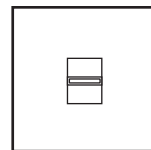
Preset Dimmers



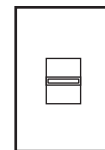
Incandescent/Halogen
N-603P-
N-1003P-



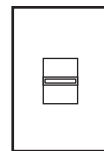
Magnetic Low-Voltage
NLV-1503P-
NLV-2003P-



Incandescent/Halogen
N-1503P-
N-2003P-



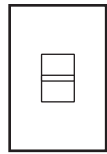
3-wire Fluorescent
Ballast/LED Driver
NF-103P-
NF-103P-277-



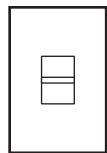
Magnetic Low-Voltage
NLV-603P-
NLV-1003P-

Nova® T☆ Controls p.30

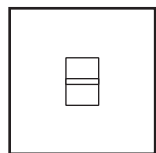
Slide-to-Off Dimmers



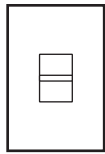
Incandescent/Halogen,
Dimmable CFL/
LED (screw-base),
Hi-lume® 1% 2-wire
LED Driver –
C·L
NTCL-250-



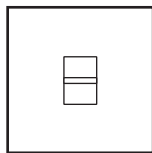
Incandescent/Halogen
NT-600-
NT-1000-



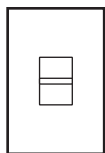
Incandescent/Halogen
NT-1500-
NT-2000-



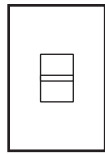
Magnetic Low-Voltage
NTLV-600-
NTLV-1000-
NTLV-600-277-
NTLV-1000-277-



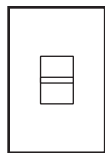
Magnetic Low-Voltage
NTLV-1500-



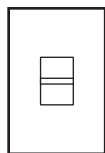
Electronic Low-Voltage
NTELV-300-
NTELV-600-



3-wire Fluorescent
Ballast/Driver
NTF-10-
NTF-10-277-

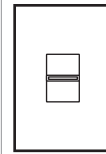


0–10V Fluorescent/
LED Fixture
NTSTV-

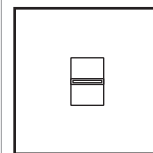


Tu-Wire Fluorescent
Ballast
NTFTU-5A-
NTFTU-5A-277-

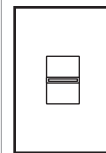
Preset Dimmers



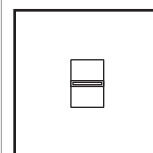
Incandescent/Halogen
NT-603P-
NT-1003P-



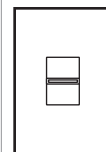
Incandescent/Halogen
NT-1503P-



Magnetic Low-Voltage
NTLV-603P-
NTLV-1003P-

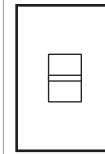


Magnetic Low-Voltage
NTLV-1503P-



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

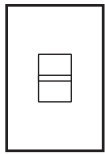
(cont.) p. 30

Slide-to-Off Fan Controls

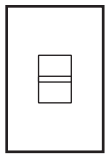
Pico® Wireless Remotes p. 178

Wireless Remotes

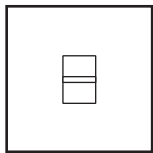
Accessories



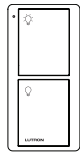
Quiet 3-speed
NTFSQ-



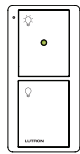
Fully Variable
NTFS-6E-



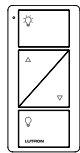
Fully Variable
NTFS-12E



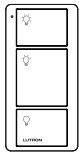
2-button
PJ2-2B-



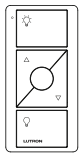
2-button with
Night Light
PJN-2B-



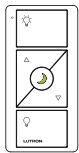
2-button with
Raise/Lower
PJ2-2BRL-



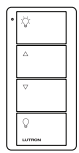
3-button
PJ2-3B-



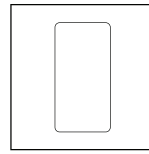
3-button with
Raise/Lower
PJ2-3BRL-



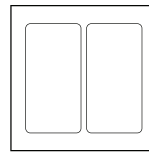
3-button with
Raise/Lower and
Night Light
PJN-3BRL-



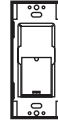
4-button
PJ2-4B-



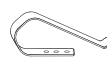
Single Pico Wallplate
LPFP-S1-



Double Pico Wallplate
LPFP-S2-



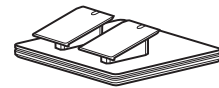
Wallbox Adapter
PICO-WBX-ADAPT



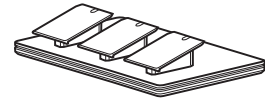
Car Visor Clip
PICO-CAR-CLIP



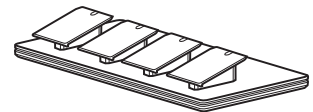
Single Tabletop Pedestal
L-PED1-



Dual Tabletop Pedestal
L-PED2-

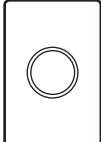
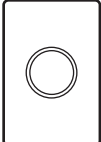
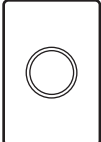
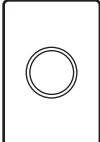
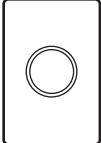
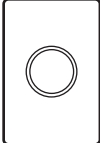


Triple Tabletop Pedestal
L-PED3-



Quad Tabletop Pedestal
L-PED4-

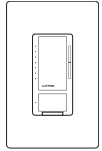
Rotary Controls p.126

| Dimmer with Rotate On/Off Knob | Dimmers with Push On/Off Knob | Dimmers with Push On/Off Knob and Locator Light | Fan Controls with Rotate On/Off Knob |
|---|---|---|--|
|  |  |  |  |
| <p>Incandescent/Halogen D-600R-</p> | <p>Incandescent/Halogen D-600P- D-603P-</p> | <p>Incandescent/Halogen DNG-600P- DNG-603P-</p> | <p>Fully Variable FS-5F- FS-5E-</p> |
| |  | |  |
| | <p>Incandescent/Halogen – eco-dim D-603PG-</p> | | <p>Quiet 3-speed FSQ-2F-</p> |

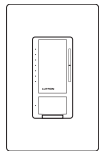
Sensors

Maestro Wallbox Occupancy/Vacancy Sensors p. 188

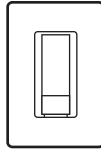
Radio Powr Savr Wireless Occupancy/Vacancy Sensors p.198



Dimmer Sensor
Incandescent/Halogen,
Dimmable CFL/LED
(screw-base) –
C-L
MSCL-OP153M-
MSCL-VP153M-



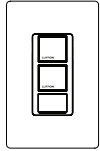
Dimmer Sensor
0-10 V Fluorescent/
LED Fixture
MS-Z101-
MS-Z101-V



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-



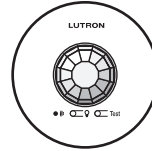
Single-Circuit Sensor
Switches with Dual-
Technology Sensor
MS-A102-
MS-B102-
MS-A102-V-
MS-B102-V



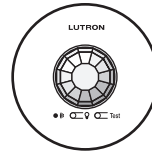
Dual-Circuit Sensor
Switches with Passive-
Infrared Sensor
(Two Loads)
MS-OPS6-DDV-
MS-PPS6-DDV



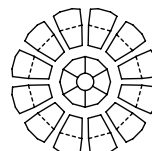
Dual-Circuit Sensor
Switches with Dual-
Technology Sensor
(Two Loads)
MS-A202-
MS-B202-



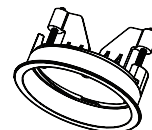
Ceiling-mount,
Occupancy/Vacancy
LRF2-OCR2B-P-WH



Ceiling-mount,
Vacancy
LRF2-VCR2B-P-WH



Accessory Kit
L-CMDPIRKIT



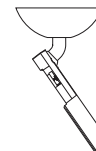
Recess-mounting
Bracket
L-CRMK-WH




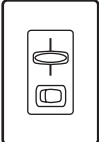
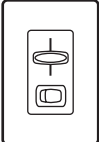
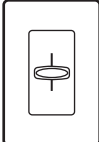
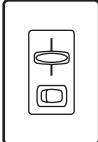





Wall-mount,
Occupancy/Vacancy
LRF2-OWLB-P-WH
LRF2-OKLB-P-WH
LRF2-OHLB-P-WH



Wall-mount, Vacancy
LRF2-VWLB-P-WH
LRF2-VKLB-P-WH
LRF2-VHLB-P-WH

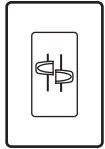


Flexible Mounting
Armature
LRF-ARM-WH

| Sensors (continued) | Skylark® Controls p.102 | | | |
|--|--|---|---|---|
| Radio Powr Savr Wireless Daylight Sensor p.202 | Dimmers with On/Off Switch | | Slide-to-Off Dimmers | Dimmers with On/Off Switch and Locator Light |
|  Ceiling-mount LRF2-DCRB-WH |  Incandescent/Halogen, Dimmable CFL/LED (screw-base) – C-L SCL-153P- |  Electronic Low-Voltage SELV-300P- SELV-303P- |  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- |  3-wire Fluorescent Ballast/ LED Driver SF-103P- SF-12P-277-3- | | |
| |  Incandescent/Halogen eco-dim S-603PG- |  Tu-Wire Fluorescent Ballast SFTU-5A3P- | | |
| |  Magnetic Low-Voltage SLV-600P- SLV-603P- | | | |

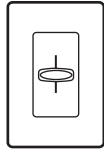
Skylark® Controls (continued) p. 102

Dual Slide-to-Off Dimmer
(Two Loads)

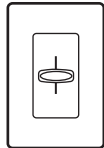


Incandescent/Halogen
and Incandescent/
Halogen
S2-L-

Slide-to-Off Fan Controls

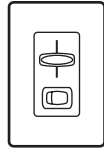


Quiet 3-speed
SFSQ-F-
SFSQ-F-HO-



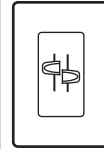
Fully Variable
SFS-5E-

Slide-to-Off Fan/Light
Control with On/Off
Switch (Two Loads)

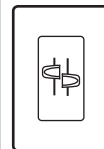


Quiet 3-speed
and Switch
SFSQ-LF-

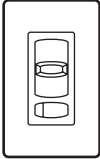
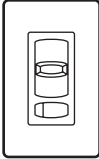
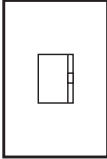
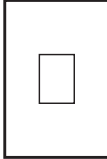
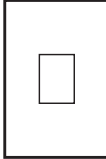
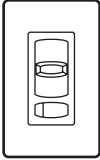
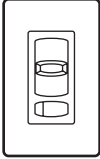
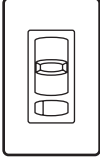
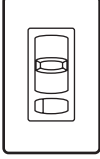
Dual Slide-to-Off Fan/
Light Control (Two Loads)



Quiet 3-speed and
Incandescent/Halogen
Dimmer
S2-LFSQ-

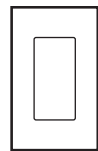


Fully Variable and
Incandescent/Halogen
Dimmer
S2-LF-

| Skylark Contour® Controls p.96 | | Vareo® Controls p.24 | | |
|---|---|--|--|--|
| Dimmers with On/Off Switch | Fan Control | Preset Dimmers | Electronic Tapswitch | Companion Control |
|  <p>Incandescent/Halogen, Dimmable CFL/LED (screw-base) – C-L CTCL-153P-</p> |  <p>Quiet 3-speed CTFSQ-F-</p> |  <p>Incandescent/Halogen, Magnetic Low-Voltage V-600- V-1000-</p> |  <p>General purpose VETS-1000-</p> |  <p>Auxiliary Tapswitch VETS-R-</p> |
|  <p>Incandescent/Halogen CT-600P- CT-603P-</p> | | | | |
|  <p>Incandescent/Halogen – eco-dim CT-603PG-</p> | | | | |
|  <p>Incandescent/Halogen, Magnetic Low-Voltage CT-103P-</p> | | | | |
|  <p>Electronic Low-Voltage CTELV-303P-</p> | | | | |

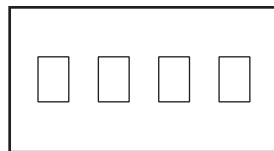
Architectural Wallplates & Accessories p.226

Wallplates



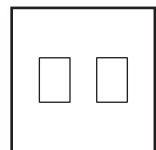
1-gang, for One
Accessory

LFGR-1-



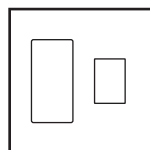
4-gang, for Four
Switches or Dimmers

VWP-4-



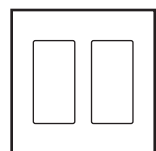
2-gang, for Two
Dimmers or Switches

VWP-2-



2-gang, for One
Dimmer or Switch
and One Accessory

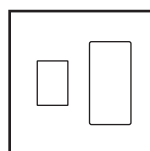
VWP-2CR-



2-gang, for Two
Accessories

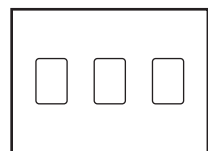
VWP-2R-

LFGR-2-



2-gang, for One
Accessory and One
Dimmer or Switch

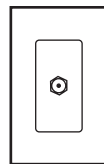
VWP-2RC-



3-gang, for Three
Switches or Dimmers

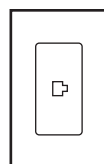
VWP-3-

Accessories



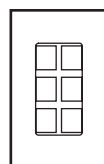
Cable Jack

NT-CJ-



Telephone Jack

NT-PJ-



Field Customizable
6-port Frame

NT-6PF-



Phone Jack Connector
(8-Conductor, RJ45,
Category 3)

CON-1P-C3-



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-



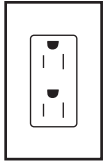
BNC Jack Connector
(50-Ohm)

CON-1B-WH

Architectural Wallplates & Accessories

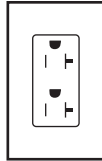
(continued) p.226

Accessories (continued)



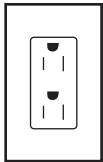
Receptacle

NTR-15-
NTR-20-



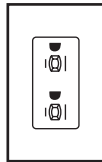
Isolated Ground
Receptacle

NTR-15-IG-OR-
NTR-20-IG-OR-



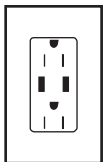
Tamper-resistant
Receptacle

NTR-15-TR-
NTR-20-TR-



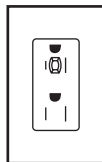
Dual Dimming,
Tamper-resistant
Receptacle

NTR-15-DDTR-
NTR-20-DDTR-



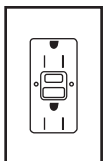
Tamper-resistant
USB Receptacles

NTR-15-UBTR-



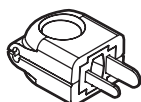
Half Dimming,
Tamper-resistant
Receptacle

NTR-15-HDTR-
NTR-20-HDTR-



Tamper-resistant,
Self-testing GFCI
Receptacle

NTR-15-GFST-
NTR-20-GFST-

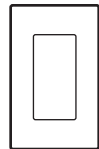


Replacement
Dimming Plug

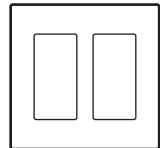
RP-FDU-10-

Designer | Claro® and Satin Colors® Wallplates & Accessories p.234

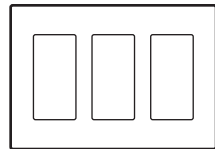
Wallplates



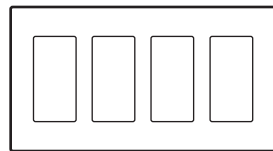
1-gang
CW-1-
SC-1-



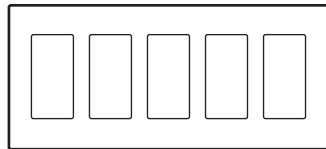
2-gang
CW-2-
SC-2-



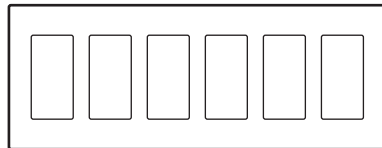
3-gang
CW-3-
SC-3-



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 3)
CON-1P-C3-



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



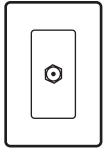
Cable Jack Connector
(F-style, 75-Ohm
Coaxial Cable)
CON-1C-



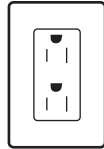
BNC Jack Connector
(50-Ohm)
CON-1B-WH

Designer | Claro® and Satin Colors® Wallplates & Accessories (continued) p.234

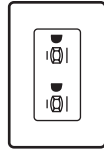
Accessories (continued)



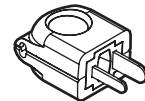
Cable Jack
CA-CJ-
SC-CJ-



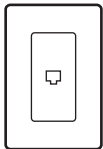
Receptacle
CAR-15-
SCR-15-
NCR-20-



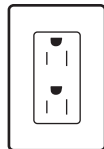
Dual Dimming, Tamper-resistant Receptacle
CAR-15-DDTR-
SCR-15-DDTR-
CAR-20-DDTR-
SCR-20-DDTR-



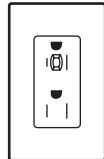
Replacement Dimming Plug
RP-FDU-10-



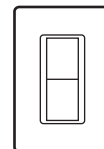
Telephone Jack
CA-PJ-
SC-PJ-



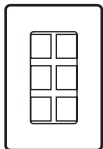
Tamper-resistant Receptacle
CARS-15-TR-
SCRS-15-TR-
SCRS-20-TR-



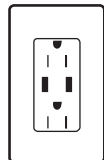
Half Dimming, Tamper-resistant Receptacle
CAR-15-HDTR-
SCR-15-HDTR-
CAR-20-HDTR-
SCR-20-HDTR-



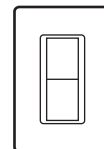
General Purpose Switch
CA-1PS-
SC-1PS-
CA-3PS-
SC-3PS-
CA-4PS-
SC-4PS-



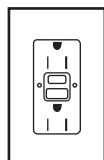
Field Customizable 6-port Frame
CA-6PF-
SC-6PF-



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-

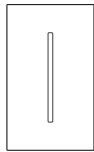


Tamper-resistant, Self-testing GFCI Receptacle
CAR-15-GFST-
SCR-15-GFST
SCR-20-GFST-

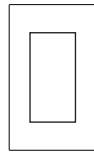
New Architectural Wallplates & Accessories p.220

Wallplates

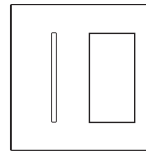
Accessories



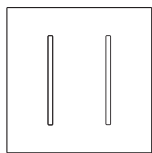
1-gang, for One Dimmer or Switch
LWT-G-



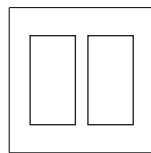
1-gang, for One Accessory
LWT-U-P-



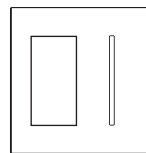
2-gang, for One Dimmer or Switch and One Accessory
LWT-GT-



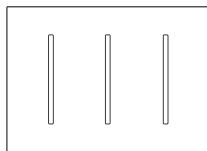
2-gang, for Two Dimmers or Switches
LWT-GG-



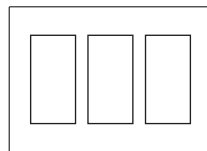
2-gang, for Two Accessories
LWT-U-PP-



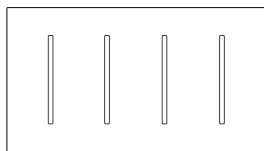
2-gang, for One Accessory and One Dimmer or Switch
LWT-TG-



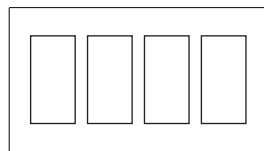
3-gang, for Three Dimmers or Switches
LWT-GGG-



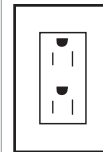
3-gang, for Three Accessories
LWT-U-PPP-



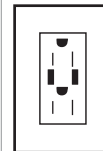
4-gang, for Four Dimmers or Switches
LWT-GGGG-



4-gang, for Four Accessories
LWT-U-PPPP-



Tamper-resistant Receptacle
LTR-F15-TR-
LTR-F20-TR
LTR-15-TR-
LTR-20-TR-

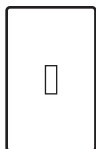


Tamper-resistant USB Receptacle
LTR-15-UBTR-
LTR-15-UBTR-

Traditional | Fassada Wallplates

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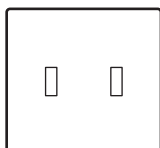
Wallplates



1-gang

FG-1-

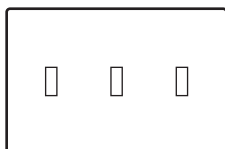
FW-1-SS



2-gang

FG-2-

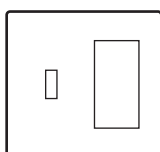
FW-2-SS



3-gang

FG-3-

FW-3-SS



2-gang, One for Traditional
Opening and One for
Designer Opening

FG-2-TD-

A history of sustainability, innovation and quality

Sustainability

At Lutron, sustainability is not a new concept. Since 1961, we have been designing industry-leading technology that saves energy and reduces greenhouse gas emissions, and are a proud member of the U.S. Green Building Council.



Our philosophy

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.

Innovation

Lutron owns over 1,700 patents and manufactures more than 15,000 products. For over 45 years, we have met and exceeded the highest standards of quality and service. Every one of our products is quality-tested before it leaves the factory.

Global service and support

You can count on a level of support unequalled anywhere in the industry and anywhere in the world. Lutron provides 24/7 technical phone support. Lutron Field Service, made up of a global network of customer-focused field service engineers, provides world-class services that begin before your building is commissioned and continue throughout the life of your building.

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