Volume 1
Basic devices and single-space systems

Specification guide to wallbox dimmers, switches, sensors and accessories for commercial and residential applications
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Dimmer families are organized by wallplate opening style.

Dedicated sections follow for non-wallbox controls that also offer single-space solutions, including:
- Plug-in controls
- Connected home
- Commercial Wireless
- Sensors
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<tr>
<td>EcoSystem</td>
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<td>PP (16A)</td>
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<td>277V</td>
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<td>277V</td>
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Select by load type

| Architectural style | GRAFIK T | Nova T-Tr |

Plug-in controls

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<tr>
<th>Credenza lamp dimmer</th>
<th>Caseta Wireless</th>
<th>Vive Maestro Wireless</th>
<th>Vive PowPak (remote)</th>
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<td>600W</td>
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See spec sheet for exact amount of drivers at lutron.com/hilumeled.
**Dimmer models/load interface compatibility**

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<tr>
<th>Dimmer Family</th>
<th>Single-pole</th>
<th>3-way or multi-location</th>
<th>Single-pole</th>
<th>3-way or multi-location</th>
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<td>Diva Gloss</td>
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<tr>
<td>Diva Satin Colors</td>
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<td>GRAFIK T</td>
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Technical notes:
- Lighting load interfaces must be matched to load type and voltage
- Interfaces typically require additional power feeds
- Power feed to dimmer may differ from lighting load/interface voltage
- For wiring information, visit lutron.com/support

Use only dimmer model numbers listed.
* Visit lutron.com/ledtool for a recommended list of dimmable LED (screw-base) bulbs.
** Dual 120/277V model given, 120V-only versions are also available.

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**Lighting load interfaces**

## Dimmable LED (screw-base)*, incandescent, and magnetic and electronic low-voltage (120/277V)

- **WBX**
  - Wallbox Phase Adaptive Power Module
  - Mounts to a 2-gang backbox (W: 6.30 in x H: 5.10 in)
  - Requires 3-wire fluorescent dimming input (see below for model numbers)
- **PA**
  - Phase Adaptive Power Module* (see below for model numbers)
  - Mounts to a 2-gang backbox (W: 6.30 in x H: 5.10 in)

### 120V control
- PHPM-WBX-DV-WH**
- PHPM-WBX-277/DV
- PHPM-PA-DV-WH

### 277V control
- PHPM-WBX-277/DV

### 120V control (see below for model numbers)
- PHPM-3F-DV-WH**
- PHPM-120V-DV-WH
- PHPM-SW-DV-WH**

### Technical notes:
- Lighting load interfaces must be matched to load type and voltage
- Interfaces typically require additional power feeds
- Power feed to dimmer may differ from lighting load/interface voltage
- For wiring information, visit lutron.com/support

Use only dimmer model numbers listed.
*  Visit lutron.com/ledtool for a recommended list of dimmable LED (screw-base) bulbs.
** Dual 120/277V model given, 120V-only versions are also available.
**Touch dimmers**

- LED+ technology provides superior dimming of LED, incandescent, and halogen bulbs
- Touch the light bar to set your lights
- LED light bar provides soft glow in the dark
- Works with existing wiring; no neutral required

**Product family features**

- Touch or swipe the light bar to set your lights with the Sunnata touch dimmer, the next generation in design and technology
- LED+ model includes advanced technology for superior dimming of LED, halogen, and incandescent bulbs
- Touch dimmers with on/off paddle switch
- MyLevel personalization gives you the ability to customize light bar brightness and set a preset level. Visit lutron.com/SunnataMyLevel for more information.
- Coordinating Claro and Stainless Steel wallplates available separately.
- All models must be derated unless otherwise noted. Visit lutron.com/multigang for more information.
- Visit lutron.com/sunnata to learn more.
- Available finishes
  - Use BOLD color code in model number (Example: STCL-153P-BL)
  - Gloss
    - WH: White
    - LA: Light Almond
    - IV: Ivory
    - BL: Black
    - SS: Stainless Steel

**Direct load type compatibility**

- Dimmable LED/CFL lighting (screw-base)
- Incandescent/halogen lighting
- Lighting load interfaces are not compatible with this family.

**Control types**

- Single-pole (1 location)
- 3-way (2 locations)

**Available finishes**

Use BOLD color code in model number (Example: STCL-153P-BL)

- Gloss
  - WH: White
  - LA: Light Almond
  - IV: Ivory
  - BL: Black
  - SS: Stainless Steel

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) controls.
**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
- Programming allows customized functions
- LED+, ELV, and PRO models available
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately
- All models must be derated unless otherwise noted.

Visit [lutron.com/multigang](http://lutron.com/multigang) for more information.

**Direct load type compatibility**

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

**Load type requiring load interface**

- Neon/cold cathode lighting

  Lighting load interfaces may be required for some load type, voltage, and capacity combinations. For additional information see “Lighting Load Interfaces.”

**Available finishes**

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

**Gloss**

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<tr>
<td>Ivory</td>
<td>IV</td>
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**Satin Colors**

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<td>ST</td>
</tr>
<tr>
<td>Bluestone</td>
<td>BG</td>
</tr>
<tr>
<td>Plum</td>
<td>PL</td>
</tr>
<tr>
<td>Goldstone</td>
<td>GS</td>
</tr>
<tr>
<td>Desert Stone</td>
<td>DS</td>
</tr>
<tr>
<td>Streetbriar</td>
<td>GB</td>
</tr>
<tr>
<td>Mocha Stone</td>
<td>MS</td>
</tr>
</tbody>
</table>

**Use BOLD color code in model number**

**Available finishes**

- **WH** White
- **LA** Light Almond
- **AL** Almond
- **IV** Ivory
- **GR** Gray
- **BR** Brown
- **BL** Black
- **SW** Snow
- **LS** Limestone
- **BI** Biscuit
- **ES** Eggshell
- **PD** Palladium
- **TP** Taupe
- **ST** Stone
- **BG** Bluestone
- **PL** Plum
- **GS** Goldstone
- **DS** Desert Stone
- **GB** Streetbriar
- **MS** Mocha Stone

**Metal wallplate**

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) or Midnight (MN) controls.
Maestro dimmers, switches, fan controls, and timers

Digital fade dimmers
- Provides true dimming from each location (with companion dimmers).
- LED+ dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents.

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

Incandescent/halogen dimmer

Digital fade PRO LED+ dimmer
- Multi-location/single-pole MA-PRO-XX
  - 120V 250W (LED), 500W (Inc/ELV), 400VA (MLV)
Visit lutron.com/LEDfinder for our online compatibility tool.
Adjustable low-end trim.

Digital fade LED+ dimmer
- Multi-location/3-way MA-153M-XX
  - single-pole 120V 150W (LED/CFL), 600W (Inc)
Visit lutron.com/LEDfinder for our online compatibility tool.
Adjustable low-end trim.

Incandescent/halogen dimmers
- Digital fade dimmers
  - MA-1000-XX
    - 120V 1000W

**Magnetic low-voltage dimmers**

Digital fade dimmers
- Multi-location/single-pole MALV-600-XX
  - 120V 600VA (450W)
- Multi-location/single-pole MALV-1000-XX
  - 120V 1000VA (800W)

**Electronic low-voltage dimmers**

Digital fade dimmers**
- Multi-location/single-pole MAELV-600-XX
  - 120V 600VA

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

Switches
- Digital fade PRO LED+ dimmer
  - MA-PRO-XX
- MA-153M-XX

Electronic switches*
- Multi-location/single-pole MA-S8AM-XX
  - 120V 8A light, 3A fan
MSC-S8AM-XX

Magnetic low-voltage dimmers
- MA-1000-XX

Electronic low-voltage dimmers
- MAELV-600-XX

**Multi-location/single-pole MA-1000-XX**
- 120 V 1000 W MSC-1000M-XX

**Multi-location/single-pole MA-LV-1000-XX**
- 120 V 1000 VA (800 W) MSC-LV-1000M-XX

Companion controls
- Use up to nine companion controls with multi-location dimmers or switches
- Use standard 3-way wiring

Companion controls
- Companion dimmer MA-R-XX
  - 120V
MSC-AD-XX
- Companion switch MA-AS-XX
  - 120V
MSC-AS-XX

Countdown timer control switches
- Tap on to start timer (5-60 minutes); tap off; tap twice for full on with no timer action
- 1-minute warning before lights/fan go off
- Timer advanced programming features available

Timers
- Countdown timer control switches (5–60 minutes/full on)
  - Single-pole MA-T51-XX
    - 120V 5 A light, 3 A fan
MSC-T51M-XX
  - Multi-location/single-pole MA-T51MN-XX
    - 120V 5 A light, 3 A fan

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

X1: Gloss and Satin color codes
X2: Gloss color codes
X3: Satin color codes
Wallplates not included. Order separately.

* Neutral optional
** Required neutral connection
† Works with a standard mechanical 3-way switch

Neutral optional
** Required neutral connection
† For multi-location switching, use a companion switch
**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
  - Single location only
  - Dimmer advanced programming features available

**Incandescent/halogen dimmer and switch**

**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
  - Dimmer advanced programming features available

- **Switch (bottom)**
  - Tap switch on/off
  - Single location only

**Fan/light controls**

- **Fan/light controls – quiet 4-speed**
  - Single-pole
  - 120V 1.5A fan
  - 120V 75W LED/CFL
  - 250W Incandescent/halogen
  - Timer rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, CFLs, fluorescents, and general purpose fans.

- **Fan/light controls**
  - Tap on to preset light level/fan speed; tap off
  - Four fan speeds plus off
  - Indicator lights display light level and fan speed
  - No canopy module required
  - Requires separate wires for fan and light

**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

- **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
  - 1-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)

- **Dimmer (top)**
  - Tap on to preset light level; tap off; tap twice for full on

- **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
  - 1-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 switch**

**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
  - Dimmer advanced programming features available

- **Switch (bottom)**
  - Tap switch on/off
  - Single location only

- **Single-pole MA-L3L3-XX**
  - 120V 300W dimmer (top)
  - Incandescent/halogen
  - Wallplates not included. Order separately.

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

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

- **Single-pole MACL-LFQ-XX**
  - 120V 1.5A fan
  - 120V 75W LED/CFL
  - 250W Incandescent/halogen

Visit lutron.com/LEDfinder for our online compatibility tool.

Adjustable low-end trim.
Shown actual size: Maestro occupancy/vacancy LED+ dimmer sensor and 1-gang Claro wallplate in White (WH).

Product family features
- Will turn lights on as you enter a room and off after the room is vacated
- Passive infrared (PIR) or dual-technology detection with Lutron’s exclusive XCT technology for fine and very fine motion detection
- Occupancy/vacancy (auto-on/auto-off or manual-on/auto-off) or vacancy-only (manual-on/auto-off) versions available
- Vacancy models meet California Title 24 requirements
- Dual-voltage (120 – 277 V) switch option available
- Sensor switch available in single- or dual-circuit models
- Dimmer sensors available for dimmable screw-in LED/CFL bulbs (LED+ model) or 0–10 V 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
- Occupancy sensors can be programmed to be vacancy-only sensors
- Direct load type compatibility

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

Gloss

<table>
<thead>
<tr>
<th>Finish</th>
<th>Color</th>
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<tbody>
<tr>
<td>WH</td>
<td>White</td>
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<tr>
<td>LA</td>
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<tr>
<td>AL</td>
<td>Almond</td>
</tr>
<tr>
<td>IV</td>
<td>Ivory</td>
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<td>GR</td>
<td>Gray</td>
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<td>BR</td>
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<tr>
<td>BL</td>
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</table>

Satin Colors

<table>
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<th>Finish</th>
<th>Color</th>
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</thead>
<tbody>
<tr>
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<td>Terracotta</td>
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<td>Hot</td>
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<tr>
<td>MN</td>
<td>Midnight</td>
</tr>
<tr>
<td>SS</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Metal wallplate*

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter visible from side. Match with separate Black (BL) or Midnight (MN) controls.
Dimmer sensors
- Passive infrared (PIR) sensor with Lutron exclusive XCT technology

Dimmable LED/CFL (screw-base) dimmers
- Infrared halogen
- Digital fade LED+ dimmer, occupancy/vacancy, and vacancy-only sensor
- All models feature Lutron exclusive XCT technology
- Adjustable timeout—1, 5, 15, or 30 minutes
- High-low sensitivity adjustment
- Multi-location models work with up to nine companion switches

Switches
- Single-circuit PIR occupancy/vacancy sensor switches
  - Single-pole: MS-OPS2-XX
  - 120–277 V 6 A lighting, 3 A fan (1/10 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit PIR occupancy sensor switch
  - Single-pole: MS-OPS6-DDV-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only per circuit
  - No derating required if ganged.

- Single-circuit dual-technology occupancy/vacancy sensor switches
  - Single-pole: MS-A102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
  - Multi-location: 3-way/single-pole: MS-B102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit dual-technology occupancy sensor switches
  - Single-pole: MS-A202-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) 120 V only per circuit
  - No derating required if ganged.

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
- High-low sensitivity adjustment
- Multi-location models work with up to nine companion switches

Switches
- Single-circuit PIR occupancy/vacancy sensor switches
  - Single-pole: MS-OPS2-XX
  - 120–277 V 6 A lighting, 3 A fan (1/10 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit PIR occupancy sensor switch
  - Single-pole: MS-OPS6-DDV-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only per circuit
  - No derating required if ganged.

- Single-circuit dual-technology occupancy/vacancy sensor switches
  - Single-pole: MS-A102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
  - Multi-location: 3-way/single-pole: MS-B102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit dual-technology occupancy sensor switches
  - Single-pole: MS-A202-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) 120 V only per circuit
  - No derating required if ganged.

Maestro sensors

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
- High-low sensitivity adjustment
- Multi-location models work with up to nine companion switches

Switches
- Single-circuit PIR occupancy/vacancy sensor switches
  - Single-pole: MS-OPS2-XX
  - 120–277 V 6 A lighting, 3 A fan (1/10 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit PIR occupancy sensor switch
  - Single-pole: MS-OPS6-DDV-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only per circuit
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  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
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  - Single-pole: MS-A202-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) 120 V only per circuit
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Maestro sensors

Switches
- Single-circuit PIR occupancy/vacancy sensor switches
  - Single-pole: MS-OPS2-XX
  - 120–277 V 6 A lighting, 3 A fan (1/10 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit PIR occupancy sensor switch
  - Single-pole: MS-OPS6-DDV-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only per circuit
  - No derating required if ganged.

- Single-circuit dual-technology occupancy/vacancy sensor switches
  - Single-pole: MS-A102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
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  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
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- Dual-circuit dual-technology occupancy sensor switches
  - Single-pole: MS-A202-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) 120 V only per circuit
  - No derating required if ganged.

Maestro sensors

Switches
- Single-circuit PIR occupancy/vacancy sensor switches
  - Single-pole: MS-OPS2-XX
  - 120–277 V 6 A lighting, 3 A fan (1/10 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit PIR occupancy sensor switch
  - Single-pole: MS-OPS6-DDV-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) @ 120 V only per circuit
  - No derating required if ganged.

- Single-circuit dual-technology occupancy/vacancy sensor switches
  - Single-pole: MS-A102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
  - Multi-location: 3-way/single-pole: MS-B102-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/8 HP) @ 120 V only
  - No derating required if ganged.

- Dual-circuit dual-technology occupancy sensor switches
  - Single-pole: MS-A202-XX
  - 120–277 V 6 A lighting, 4.4 A fan (1/6 HP) 120 V only per circuit
  - No derating required if ganged.

XX: Gloss and Satin color codes
Wallplates not included. Order separately.
**Product family features**

- Large paddle switch with a captive linear slide dimmer for a standard Designer wallplate opening
- Preset dimmer
- LED+, reverse-phase, and 0-10V models available
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately
- All models must be derated unless otherwise noted.

Visit [lutron.com/multigang](http://lutron.com/multigang) for more information.

**Control types**

- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

**Direct load type compatibility**

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

**Load type requiring load interface**

- Neon/cold cathode lighting

Lighting load interfaces may be required for some additional load type, voltage, and capacity combinations. For additional information see *Lighting Load Interfaces.*

**Available finishes**

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

**Satin Colors**

- White (WH)
- Light Almond (LA)
- Almond (AL)
- Ivory (IV)
- Gray (GR)
- Brown (BR)
- Black (BL)
- Snow (SW)
- Limestone (LS)
- Biscuit (BI)
- Eggshell (ES)
- Palladium (PD)
- Taupe (TP)
- Stone (ST)
- Bluestone (BG)
- Plum (PL)
- Goldstone (GS)
- Desert Stone (DS)
- Greenbriar (GB)
- Mocha Stone (MS)
- Terracotta (TC)
- Sienna (SI)
- Hot (HT)
- Mocha (MR)
- Midnight (MN)
- Stainless Steel (SS)

*Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) or Midnight (MN) controls.*
Dimmers

- Paddle turns on/off
- Slide up to brighten, down to dim
- LED+ dimmers provide reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

**Dimmers**

- **LED+** dimmers provide reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents.

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

**Incandescent/halogen dimmers**

LED+ dimmers

- 3-way/single-pole: DVCL-153P-XX, DVSCCL-153P-XX
  - 120V 150W (LED/CFL), 600W (Inc)
- 3-way/single-pole: DVCL-253P-XX, DVSCCL-253P-XX
  - 120V 250W (LED/CFL), 600W (Inc)

LED+ dimmers

- 3-way/single-pole: DVCL-153P-XX, DVSCCL-153P-XX
  - 120V 150W (LED/CFL), 600W (Inc)
- 3-way/single-pole: DVCL-253P-XX, DVSCCL-253P-XX
  - 120V 250W (LED/CFL), 600W (Inc)

Electronic low-voltage dimmers

- 3-way/single-pole: DVRP-253P-XX, DVSCRP-253P-XX
  - 120V 500W (Inc), 500W (ELV)

**Magnetic low-voltage dimmers**

- Single-pole: DVLV-800P-XX
  - 120V 600VA (450W)
- Single-pole: DVSVLV-800P-XX
  - 120V 1000VA (800W)

Electronic low-voltage dimmers

- Single-pole: DVELV-300P-XX
  - 120V 300W
- Single-pole: DVSCLV-300P-XX
  - 120V 300W

**Electronic low-voltage dimmers**

- Single-pole: DVELV-300P-XX
  - 120V 300W
- Single-pole: DVSCLV-300P-XX
  - 120V 300W

- Single-pole: DVELV-300P-XX
  - 30mA max control current

3-way/ single-pole: DVSTV-XX

- 120–277 V 8 A

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

- Single-pole: DTV-XX
  - 50mA max control current

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

- Single-pole: DTV-XX
  - 30mA max control current

3-way/single-pole: DVFTU-5A3P-XX

- 120V 5A

**Tu-Wire fluorescent ballast dimmers**

- 3-way/single-pole: DVFTU-5A3P-XX
  - Compatible with Advance Mark X and Sylvania POWERSENSE fluorescent ballasts, in addition to Lutron Tu-Wire.
Diva dimmers, switches, and fan controls

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

General purpose switches
Mechanical switches

| Single-pole | CA-1PS-XX |
| 120/277 V 15 A | SC-1PS-XX |

| 3-way | CA-3PS-XX |
| 120/277 V 15 A | SC-3PS-XX |

| 4-way | CA-4PS-XX |
| 120/277 V 15 A | SC-4PS-XX |

Mechanical switches with locator light

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

| 3-way | CA-3PSNL-XX |
| 120 V 15 A | SC-3PSNL-XX |

| 4-way | CA-4PSNL-XX |
| 120 V 15 A | SC-4PSNL-XX |

No derating required if ganged.

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

Fan controls—quiet 3-speed
- 3-way/single-pole
  - DVFSQ-F-XX
  - 120 V 1.5 A
- 3-way/single-pole
  - DVFSQ-F-HO-XX
  - 120 V 2 A

DVFSQ-F-HO model for use with Hunter Original Series fans.
Does not include built-in locator light.
No derating required if ganged.

Fan/light controls
- Switch (paddle)
- Turns light on/off
- Fan Control (slider)

Fan/light controls—quiet 3-speed
- Single-pole
  - DVFSQ-LF-XX
  - 120 V 1.5 A Fan,
  - 120 V 1 A LED/CFL,
  - 2 A Incandescent/halogen

No derating required if ganged.
Does not include built-in locator light.

XX1: Gloss color codes
XX2: Satin color codes
XX3: Available in Gloss White (WH), Ivory (IV), Almond (AL), and Light Almond (LA)
XX4: Available in Satin Colors Snow (SW), Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), and Sea Glass (SG)
Wallplates not included. Order separately.
**Product family features**

- Rocker switch returns light to light level indicated by slider
- Slide up to brighten, down to dim
- LED+ and reverse phase models available
- Coordinating Claro wallplates only available separately
- All models must be derated unless otherwise noted. Visit [lutron.com/multigang](http://lutron.com/multigang) for more information.

**Control types**

- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

**Direct load type compatibility**

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

Lighting load interfaces are not compatible with this family.

**Available finishes**

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

- **Gloss**
  - WH White
  - LA Light Almond
  - AL Almond
  - IV Ivory

- **Metal wallplates**
  - GR Gray
  - BR Brown
  - BL Black
  - SS Stainless Steel

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) control.
**Dimmers**

- Preset model includes rocker switch to return light level to indicated by slider
- LED+ dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

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

**Incandescent/halogen dimmer**

Reverse-phase dimmer with on/off switch*

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

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

Visit lutron.com/LEDfinder for our online compatibility tool.

**Electronic low-voltage dimmer**

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

**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

Visit lutron.com/LEDfinder for our online compatibility tool.

**Incandescent/halogen dimmer**

**Magnetic low-voltage dimmer**

Dimmer with on/off switch

3-way/single-pole CT-103P-XX
120 V 1000 W (Inc),
600 VA/450 W (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
120 V 300 W

No derating required if ganged.

* Requires neutral wire connection

XX*: Gloss color codes
Wallplates not included. Order separately.

* Requires neutral wire connection

XX*: Gloss color codes
Wallplates not included. Order separately.
Product family features

- Rocker switch returns light to light level indicated by slider
- Slide up to brighten, down to dim
- LED+ model available
- Coordinating Claro wallplates only available separately
- All models must be derated unless otherwise noted. Visit lutron.com/multigang for more information.

Control types

- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

Direct load type compatibility

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

Lighting load interfaces are not compatible with this family.

Dimmers

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

Fan Control

- Rocker switch returns fan to speed level indicated by slider
- For use with only one ceiling paddle fan
- Designed to prevent motor hum

Conveniently size and coordinate with your Luméa LED light sources.

Available finishes

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

Gloss

- **WH** White
- **IV** Ivory
- **LA** Light Almond

XX*: Gloss color codes
Wallplates not included. Order separately.

Dimmable LED/CFL (screw-base) dimmer

Incandescent/halogen dimmer

LED+ dimmer on/off switch

3-way/single-pole LECL-153PH-XX

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

Visit lutron.com/LEDfinder for our online compatibility tool.

Adjusatable low-end trim.

Fan control

- Fan control—quiet 3-speed

3-way/single-pole LEFSQ-FH-XX

120 V 1.50 A

No derating required if ganged.

Shown actual size: Luméa LED+ 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
- LED+ models available
- Coordinating Claro and Stainless Steel wallplates only available separately
- All models must be derated unless otherwise noted. Visit [lutron.com/multigang](http://lutron.com/multigang) for more information.

**Control types**

- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

**Direct load type compatibility**

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

**Load type requiring load interface**

- Neon/cold cathode lighting

Lighting load interfaces may be applicable for some additional load type, voltage, and capacity combinations. For additional information see "Lighting Load Interfaces."

**Available finishes**

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

- Gloss

- **WH** White
- **LA** Light Almond
- **AL** Almond
- **IV** Ivory

- **GR** Gray
- **BR** Brown
- **BL** Black

**Metal wallplates**

- **SS** Stainless Steel

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) control.
Dimmers

- Preset models include rocker switch to return to light level indicated by slider
- Slide up to brighten, down to dim
- LED+ dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents

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

**Incandescent/halogen dimmers**

<table>
<thead>
<tr>
<th>Dimmers with on/off switch</th>
<th>S-10P-XX*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>S-10P-XX*</td>
</tr>
<tr>
<td>120V 1000W</td>
<td></td>
</tr>
<tr>
<td>3-way</td>
<td>S-103P-XX*</td>
</tr>
<tr>
<td>120V 1000W</td>
<td></td>
</tr>
</tbody>
</table>

**Slide-to-off dimmers**

<table>
<thead>
<tr>
<th>Dimmers with on/off switch and locator light</th>
<th>S-1000-XX*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>120V 1000W</td>
</tr>
</tbody>
</table>

---

XX*: Gloss color codes

---

**Magnetic low-voltage dimmers**

<table>
<thead>
<tr>
<th>Dimmers with on/off switch</th>
<th>SLV-600P-XX*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>SLV-600P-XX*</td>
</tr>
<tr>
<td>120V 600VA (450W)</td>
<td>120V 600VA (450W)</td>
</tr>
</tbody>
</table>

---

**Electronic low-voltage dimmers**

<table>
<thead>
<tr>
<th>Dimmers with on/off switch*</th>
<th>S-10P-XX*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>120V 8A</td>
</tr>
<tr>
<td>3-way</td>
<td>S-103P-XX*</td>
</tr>
<tr>
<td>120V 8A</td>
<td>120V 8A</td>
</tr>
</tbody>
</table>

---

**Tu-Wire fluorescent ballast dimmer**

<table>
<thead>
<tr>
<th>Dimmers with on/off switch*</th>
<th>SFTU-SA3P-XX*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>SFTU-SA3P-XX*</td>
</tr>
<tr>
<td>120V 5A</td>
<td>120V 5A</td>
</tr>
</tbody>
</table>

**3-way/single-pole**

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

---

XX*: Gloss color codes

Wallplates not included. Order separately.

* Requires neutral wire connection
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)

Fan controls

- Slide-to-off fan controls—quiet 3-speed
  - Single-pole SFSQ-XX
    - 120V 1.5A
  - Single-pole SFSQ-F-HO-XX
    - 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
  - 120V 5A
  - Control provides an additional wire for fan light switching (360W, incandescent/halogen). Light turns on when fan is on, and off when fan is off. Fully variable fan controls are commonly known as solid state fan controls.

Slide-to-off fan/light switch control

- 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/light control

- Slide-to-off fan/light control—quiet 3-speed with on/off light switch (two loads)
  - Single-pole SFSQ-LF-XX
    - 120V 1.5A fan (top)
    - 360W switch (bottom)
    - Incandescent/halogen
    - No derating required if ganged.

Dual slide-to-off fan/light control—fully variable

- Single-pole S2-LF-XX
  - 120V 2.5A fan (left)
  - 300W dimmer (right)
  - Incandescent/halogen
  - No derating required if ganged.

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

Replacement knobs

- Standard knob SK-XX
- Split knobs Contact Customer Service

XX: Gloss color codes
Wallplates not included. Order separately.

XX: Gloss color codes
Available in Gloss White, Ivory, Almond, and Light Almond
Claro wallplates and accessories

Product family features

- Can be used in conjunction with the following dimmer(s), switch(es), sensor(s), and accessories: Caséta Wireless, Diva, Luméa, Maestro, Pico wireless, Skylark, Skylark Contour, Sunnata, Vive Maestro Wireless controls, and Vive accessories
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Full line of wiring devices in Designer style opening
- Blank inserts available for Gloss (DV-BI-) and Satin Colors (SC-BI-)
- Customize your designer wallplate with engraving; visit lutron.com/engraving to get started

Ganging and derating

- Designer wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing
- May require derating (i.e., reduction of dimmer capacity due to fin removal)

Available finishes

Use BOLD color code in model number (Example: SC-1-PL)

Gloss

- Gloss
- White (WH)
- Light Almond (LA)
- Almond (AL)
- Ivory (IV)
- Gray (GR)
- Brown (BR)
- Black (BL)

Satin Colors

- Snow (SW)
- Limestone (LS)
- Biscuit (BI)
- Eggshell (ES)
- Palladium (PD)
- Taupe (TP)
- Stone (ST)
- Bluestone (BG)
- Plum (PL)
- Goldstone (GS)
- Desert Stone (DS)
- Greenbriar (GB)
- Mocha Stone (MS)
- Terracotta (TC)
- Sienna (SI)
- Hot (HT)
- Merlot (MR)
- Midnight (MN)
- Stainless Steel (SS)

Metal*

- Stainless Steel metal wallplates include black plastic trim/adapter, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

*
**Claro wallplates and accessories**

Wallplates for Caséta Wireless, Diva, Luméa, Maestro, Maestro Wireless, Pico wireless, Skylark, Skylark Contour, Sunnata, Vive Maestro Wireless controls, and Vive accessories

**Custom engraving available for all Designer, Traditional, New Architectural, and Architectural style wallplates (except Stainless Steel).**

For wallplate engraving schedules, go to [lutron.com/engraving](http://lutron.com/engraving).

**Important note**

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox.

For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

### Cable jacks

- **F-style, 75-Ohm coaxial cable**
- **Wallplate sold separately**

### Telephone jacks

- **6-conductor telephone jack, RJ11**
- **Wallplate sold separately**

### Field customizable 6-port frame

- **6-port frame**
  - **CA-CJ-XX**
  - **SC-CJ-XX**

### Connectors for 6-port frame

#### Telephone/network jacks

- **8-conductor, RJ45 category 5e**
  - **CON-1P-C5E-XX**
- **8-conductor, RJ45 category 6**
  - **CON-1P-C6-XX**

#### 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**
- **Wallplate sold separately**

### 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)**

**USB receptacles**

- **Includes two USB ports**
- **Ports are rated for a minimum of 10,000 insertions and removals**

**Wallplates not included. Order separately.**

### Gloss and color codes

- **1-gang**
  - W: 2.94 in (75 mm) **CW-1-XX**
  - W: 4.75 in (121 mm) **SC-1-XX**
  - W: 6.56 in (167 mm) **CW-2-XX**
  - W: 8.37 in (213 mm) **SC-2-XX**
  - W: 10.18 in (259 mm) **CW-3-XX**
  - W: 12 in (305 mm) **SC-3-XX**

### Satin colors codes

- **2-gang**
  - W: 4.75 in (121 mm) **CW-1-XX**
  - W: 8.37 in (213 mm) **SC-1-XX**
  - W: 10.18 in (259 mm) **CW-2-XX**
  - W: 12 in (305 mm) **SC-2-XX**

### Gloss color codes

- **3-gang**
  - W: 6.56 in (167 mm) **CW-1-XX**
  - W: 10.18 in (259 mm) **SC-1-XX**

- **4-gang**
  - W: 8.37 in (213 mm) **CW-1-XX**
  - W: 10.18 in (259 mm) **SC-1-XX**

- **5-gang**
  - W: 10.18 in (259 mm) **CW-1-XX**
  - W: 12 in (305 mm) **SC-1-XX**

- **6-gang**
  - W: 12 in (305 mm) **CW-1-XX**

**Important note**

- Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox.

- For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).
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

Tamper-resistant, self-testing GFCI receptacles
15 A 125 V, GFCI
- CAR-15-GFST-XX
- SCR-15-GFST-XX
20 A 125 V, GFCI
- SCR-20-GFST-XX

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
15 A 120/125 V
- CAR-15-HDTR-XX
- SCR-15-HDTR-XX
20 A 120/125 V
- CAR-20-HDTR-XX
- SCR-20-HDTR-XX

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
120/125 V
- RP-FDU-10-XX
UL/CSA/NOM regulatory approvals.

Important notes
- Receptacles and plugs for dimming use are UL Listed for use with all Lutron wallbox dimmers included in this catalog.
- If there is only one electrical feed to the receptacle, then the duplex DFDU must be used.
- If the hot and dimmed hot feeds to the split duplex HFDU are supplied from different circuits or split-wired with separate switch-legs, a means to simultaneously disconnect these circuits must be provided at the panel board where they originate (NEC 210.7(C) 2002 Edition). A 2-pole circuit breaker or two single-pole circuit breakers with an approved handle tie can be used to accomplish this simultaneous disconnect. Feed-through dimming panels, which are those without breakers, are recommended when using the HFDU.
- For more information on dimming lamps consult Lutron Application Note #109, Guide to Dimming Portable Lamps via Receptacles, at lutron.com/applicationnotes.

Replacement dimming plugs
- RP-FDU-10-XX
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.
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- For more information on dimming lamps consult Lutron Application Note #109, Guide to Dimming Portable Lamps via Receptacles, at lutron.com/applicationnotes.

Wallplates not included. Order separately.
Product family features

- Matches existing switches
- Toggle-style switch turns light on to level set by slider
- Slider adjusts light to your favorite level
- LED+ models available
- Coordinating Fassada wallplates only available separately
- All models must be derated unless otherwise noted. Visit lutron.com/multigang for more information.

Control types

- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

Direct load type compatibility

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

Load type requiring load interface

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

Lighting load interfaces may be applicable for some additional load type, voltage, and capacity combinations. For additional information, see “Lighting Load Interfaces.”

Available finishes

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

Gloss

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>WH</td>
</tr>
<tr>
<td>Light Almond</td>
<td>LA</td>
</tr>
<tr>
<td>Almond</td>
<td>AL</td>
</tr>
<tr>
<td>Ivory</td>
<td>IV</td>
</tr>
<tr>
<td>Brown</td>
<td>BR</td>
</tr>
<tr>
<td>Black</td>
<td>BL</td>
</tr>
</tbody>
</table>

Metal wallplate

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) control.
**Preset dimmers**

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

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

**Incandescent/halogen dimmers**

| Preset LED+ dimmer | 3-way/single-pole 120V 250W (CFL/LED), 600W (Inc) | AYCL-253P-XX1
| | 3-way/single-pole 120V 150W (CFL/LED), 600W (Inc) | AYCL-153SP-XX1
| | 350 W (Hi-lume 1% LED driver, max 8) | Visit lutron.com/LEDfinder for our online compatibility tool. Adjustable low-end trim.
| 3-way LED driver/fluorescent ballast dimmers | 3-way/single-pole 120V 1000W | AY-10P-XX1
| | 3-way/single-pole 120V 1000W | AY-103P-XX1
| | Magnetic low-voltage dimmers | Single-pole 120V 600VA (450W) | AYLV-600P-XX1
| | 3-way 120V 600VA (450W) | AYLV-603P-XX1
| 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**

| Preset dimmers with locator light | Single-pole 120V 1000W | AY-10PNL-XX2
| | 3-way 120V 1000W | AY-103PNL-XX2

**Fan control**

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

**Dual fan/light control**

- Fan control (left)
  - Use slider to turn fan on/off and adjust fan speed
  - 3 quiet fan speeds for increased comfort
  - For use with only one ceiling paddle fan
  - Designed to prevent motor hum
- Dimmer (right)
  - Toggle turns light on/off
  - Slide up to brighten, down to dim

| Fan control | 3-way/single-pole 120V 1.5A | AYFSQ-F-XX1
| No derating required if ganged.

| Dual fan/light control | Fan/light control—quiet 3-speed | 3-way/single-pole 120V 1.5A | AY2-LFSQ-XX1
| 120V 300W dimmer (right) | Incandescent/halogen | No derating required if ganged.

**Dual fan/light control**

- Fan/light control—quiet 3-speed
  - Single-pole 120V 1.5A fan (left)
  - 120V 300W dimmer (right)
  - Incandescent/halogen
  - No derating required if ganged.

**Wallplates**

- Gloss color codes: XX1
- Available in Gloss White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)

Wallplates not included. Order separately.
Dimmers

- SoftGlow locator light provides smooth halo around the knob when dimmer is turned off
- LED+ technology provides superior dimming of LED, incandescent and halogen bulbs
- Easily turn the knob to adjust the light level
- Push to turn on/off
- Works with existing wiring; no neutral required

Direct load type compatibility

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

Lighting load interfaces are not compatible with this family.

Control types

- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

Available finishes

White, Light Almond, Ivory, Black, Stainless Steel

Gloss

<table>
<thead>
<tr>
<th>WH</th>
<th>LA</th>
<th>IV</th>
<th>BL</th>
<th>SS</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Light Almond</td>
<td>Ivory</td>
<td>Black</td>
<td>Stainless Steel</td>
</tr>
</tbody>
</table>

Metal*

- Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) controls.

XX*: Gloss colors code

Wallplates not included. Order separately.
Product family features
- The original electronic dimmer—first patented in 1959
- Easy-turn knob adjusts light to your favorite level
- Dual knob dimmer packages available with two finish options
- Coordinating Fassada wallplates only available separately
- All models must be derated unless otherwise noted. Visit lutron.com/multigang for more information.

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.

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.

Fan controls
- Fan control with rotate on/off knob—quiet 3-speed
  - FSQ-2F-DK
  - Single-pole
  - 120 V 1.5 A
  - No derating required if ganged.
- Fan controls with rotate on/off knob—fully variable
  - FS-5FH-DK
  - Single-pole
  - factory set minimum speed
  - 120 V 5 A
  - User adjustable minimum speed control provides an additional wire for switching fan light (360 W, 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

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

Gloss
- WH: White
- IV: Ivory

Preset Dimmers
- Push to turn on/off, rotate to adjust light level

Incandescent/halogen dimmer
- Dimmers with push on/off knob
  - Single-pole
    - 120 V 600 W
    - D-600PH-DK
  - 3-way
    - 120 V 600 W
    - D-603PH-DK
- Dimmers with push on/off knob and locator light
  - Single-pole
    - 120 V 600 W
    - DNG-600PH-DK
  - 3-way
    - 120 V 600 W
    - DNG-603PH-DK
**Product family features**
- Can be used in conjunction with the following dimmer(s) and switch(es): Ariadni and Rotary
- All Lutron wallplates are screwless, seamless, and have no visible hardware.
- Custom engraving available for wallplates. Visit [lutron.com/engraving](http://lutron.com/engraving) for more information.

**Ganging and derating**
- Traditional wallplates use standard ganging.
- Requires fins to be removed from dimmers for proper spacing.
- May require derating (i.e., reduction of dimmer capacity due to fin removal).

**Available finishes**
Use **BOLD** color code in model number (Example: FG-1-**AL**)
- Gloss
- **WH** White
- **LA** Light Almond
- **AL** Almond
- **IV** Ivory
- **BL** Black
- **SS** Stainless Steel

**Wallplates for Ariadni and Rotary**
- 1-gang
  - W: 2.86 in (73 mm)
  - FW-1-SS*
- 2-gang
  - W: 4.67 in (119 mm)
  - FW-2-SS*
- 3-gang
  - W: 6.48 in (165 mm)
  - FW-3-SS*

**Important notes**
Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

Controls must have heat-sink fins broken for multi-gang installations. Multi-gang dimmer installations may require derating.
**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
- LED+ 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 and Radio Powr Savr wireless sensors
- 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
- All models must be derated unless otherwise noted.

**Direct load type compatibility**

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

**Load type requiring load interface**

- Neon/cold cathode

Lighting load interfaces may be required for some load types and capacity combinations. For additional information see "Lighting Load Interfaces."

**Available finishes**

- Architectural matte
- Architectural matte wallplates*
- Architectural glass wallplate*

- WH White
- LA Light Almond
- AL Almond
- BE Beige
- IV Ivory
- TP Taupe

* GRAFIK T dimmers, switches, and companion devices sold in White (WH) only. Additional Architectural matte, metal, and glass wallplates are only sold separately.
**Touch dimmers**
- Touch LED light bar to adjust lights to desired light level
- Tap toggle button to turn lights off or turn on to previous light level
- Offers delayed fade to off

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

150 W touch LED+ dimmer
Single-pole GT-150-WH
120 V 150 W (LED), 600 W (Inc) GTJ-150-WH*
Visit lutron.com/LEDfinder for our online compatibility tool.
Adjustable low-end trim.

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

250 W touch LED+ dimmer**
Multi-location/single-pole GT-250M-WH
120 V 250 W (LED), 600 W (Inc), GTJ-250M-WH*
400 VA/300 W (MLV), 500 W (ELV), 400 W (Hi-lume 1% LED driver, max. 10), 3.3 A (Tu-Wire fluorescent ballast)
Visit lutron.com/LEDfinder for our online compatibility tool.
Adjustable low-end trim.

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

* Includes Clear Connect RF Technology
** Neutral wire connection available, not required (required for fluorescent ballast and interfaces)
† Phase selectable touch dimmer
* Includes Clear Connect RF Technology
** Requires neutral wire connection
**Product family features**

- Can be used in conjunction with the following dimmer(s), switch(es), and accessories: GRAFIK T controls and New Architectural accessories
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- New Architectural wallplates are aesthetically matched to New Architectural accessories to complete the look of any room
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch, or sample; contact Customer Service at 1.888.LUTRON1 for more information
- Custom engraving available for wallplates. Visit lutron.com/engraving for more information.

**Ganging and derating**

- New Architectural wallplates use standard ganging
- May require derating (i.e., reduction of dimmer capacity due to fin removal)

**Available finishes**

- Architectural matte
  - WH: White
  - LA: Light Almond
  - AL: Almond
  - BE: Beige
  - IV: Ivory
  - TP: Taupe
- Architectural metal
  - BN: Bright Nickel
  - BC: Bright Chrome
  - SC: Satin Chrome
  - SN: Satin Nickel
  - GB: Bright Brass
  - BB: Satin Brass
  - SB: Antique Brass
  - QB: Black
- Architectural glass
  - CWH: Clear Glass
Wallplates for GRAFIK T controls and New Architectural accessories

1-gang, for one dimmer or switch LWT-G-XX
W: 2.90 in (75 mm)

2-gang, for two dimmers or switches LWT-GG-XX
W: 4.75 in (121 mm)

3-gang, for three dimmers or switches LWT-GGG-XX
W: 6.60 in (167 mm)

4-gang, for four dimmers or switches LWT-GGGG-XX
W: 8.40 in (213 mm)

1-gang, for one accessory LWT-U-P-XX
W: 2.90 in (75 mm)

2-gang, for two accessories LWT-U-PP-XX
W: 4.75 in (121 mm)

3-gang, for three accessories LWT-U-PPP-XX
W: 6.60 in (167 mm)

4-gang, for four accessories LWT-U-PPPP-XX
W: 8.40 in (213 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 lutron.com/applicationnotes.

Receptacles

- Available with or without 1-gang wallplate***

Tamper-resistant receptacles with wallplate
15A 125 V LTR-F15-TR-XX
20A 125 V LTR-F20-TR-XX

Tamper-resistant receptacles without wallplate
15A 125 V LTR-15-TR-XX
20A 125 V LTR-20-TR-XX

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 125 V LTR-F15-UBTR-XX

Tamper-resistant USB receptacle without wallplate
15A 125 V LTR-15-UBTR-XX

Volume 1  P/N 367-1746 REV G
New Architectural wallplates and accessories

XX*: Architectural matte and metal color codes
XXX*: Architectural glass color codes

Multi-gang dimmer installations may require derating.

XX*: Architectural matte and metal color codes
XXX*: Architectural glass color codes

XX*: Architectural matte, metal, and glass color codes (1-gang wallplate included)

** 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.
**Nova T** dimmers, switches, and fan controls

**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
- **LED+ model available**
- Coordinating wallplate included with Architectural matte finish controls; metal wallplates only available separately
- All models must be derated unless otherwise noted. Visit lutron.com/multigang for more information.
- Select Nova and Centurion models available. Contact Customer Service for more information.

**Control types**
- Single-pole (1 location)
- 3-way or 4-way (2 or more locations)

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

**Load types requiring load interface**
- Neon/cold cathode lighting

Lighting load interfaces may be applicable for some additional load type, voltage, and capacity combinations. For additional information see “Lighting Load Interfaces.”

---

**Available finishes**

Use **BOLD** color code in model number (Example: NTCL-250-SI)

Architectural matte

- White (WH)
- Light Almond (LA)
- Almond (AL)
- Beige (BE)
- Ivory (IV)
- Taupe (TP)
- Gray (GR)
- Sienna (SI)
- Brown (BR)
- Black (BL)

Architectural metal wallplates*

- Bright Nickel (BN)
- Bright Chrome (BC)
- Clear Anodized Aluminum (CLA)
- Satin Chrome (SC)
- Satin Nickel (SN)
- Antique Bronze (QZ)
- Bright Brass (BB)
- Brass Anodized Aluminum (BRA)
- Satin Brass (SB)
- Antique Brass (QB)
- Black Anodized Aluminum (BLA)

* Metal wallplates only available separately and include black plastic trim/adapter, visible from side. Match with separate Black (BL) controls.

**Architectural wallplate opening**

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

- Slide up to brighten, down to dim
- Loads from 1000-2000W require large controls
- LED+ dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- Large controls measure 4.56 x 4.56
- On preset models, button turns on/off to slider level

Dimmable LED/CFL (screw-base) dimmer

- Incandescent/halogen dimmer
  - Reverse-phase slide-to-off dimmer
    - Single-pole
      - 120 V 250 W (LED/CFL),
        600 W (Inc), 800 (ELV)
    - When dimming LEDs/CFLs, only bulbs marked or rated as dimmable with reverse-phase may be used.
    - Visit lutron.com/LEDfinder for our online compatibility tool.
  
- Electronic low-voltage dimmer
  - Large controls measure 4.56 x 4.56
  - On preset models, button turns on/off to slider level

Incandescent/halogen dimmers

- Slide-to-off dimmers
  - Single-pole
    - 120 V 600 W
    - 120 V 1000 W
  - Single-pole
    - 120 V 1500 W
  - Single-pole
    - NT-2000 XX

- No low-end trim.

Electronic low-voltage dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTELV-300 XX
    - 120 V 300 W
    - 120 V 600 W
  - Single-pole
    - NTELV-600 XX

- Adjustable low-end trim.

3-wire LED driver/fluorescent ballast dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTLV-600 XX
  - Single-pole
    - NTLV-1000 XX
  - Single-pole
    - NTL-600-277 XX
  - Single-pole
    - NTL-1000-277 XX
  - Single-pole
    - NTL-1500 XX

- 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.

Magnetic low-voltage dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTLV-600 XX
  - Single-pole
    - NTL-1000 XX
  - Single-pole
    - NTL-600-277 XX
  - Single-pole
    - NTL-1000-277 XX
  - Single-pole
    - NTL-1500 XX

- 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

- Slide-to-off dimmers
  - Single-pole
    - NTELV-300 XX
    - 120 V 300 W
    - 120 V 600 W

- Adjustable low-end trim.

Magnetic low-voltage dimmers

- Preset dimmers
  - 3-way
    - NTL-103P XX
    - 120 V 8 A
  - 3-way
    - NTL-103P-277 XX
    - 277 V 6 A

- Adjustable low-end trim.

3-wire LED driver/fluorescent ballast dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTLV-600 XX
    - 120 V 600 VA (450 W)
  - Single-pole
    - NTLV-1000 XX
    - 120 V 1000 VA (800 W)

- 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

- Slide-to-off dimmers
  - Single-pole
    - NTELV-300 XX
    - 120 V 300 W
    - 120 V 600 W

- Adjustable low-end trim.

3-wire LED driver/fluorescent ballast dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTLV-600 XX
    - 120 V 600 VA (450 W)
  - Single-pole
    - NTLV-1000 XX
    - 120 V 1000 VA (800 W)

- 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

- Slide-to-off dimmers
  - Single-pole
    - NTELV-300 XX
    - 120 V 300 W
    - 120 V 600 W

- Adjustable low-end trim.

3-wire LED driver/fluorescent ballast dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTLV-600 XX
    - 120 V 600 VA (450 W)
  - Single-pole
    - NTLV-1000 XX
    - 120 V 1000 VA (800 W)

- 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

- Slide-to-off dimmers
  - Single-pole
    - NTELV-300 XX
    - 120 V 300 W
    - 120 V 600 W

- Adjustable low-end trim.

3-wire LED driver/fluorescent ballast dimmers

- Slide-to-off dimmers
  - Single-pole
    - NTLV-600 XX
    - 120 V 600 VA (450 W)
  - Single-pole
    - NTLV-1000 XX
    - 120 V 1000 VA (800 W)

- 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

- Slide-to-off dimmers
  - Single-pole
    - NTELV-300 XX
    - 120 V 300 W
    - 120 V 600 W

- Adjustable low-end trim.
Linear-slide mechanical switches
(small controls)
- Slide up to on, down to off
- Works with all load types

General purpose switches
Linear-slide mechanical switches
- NT-1PS-XX: 120/277 V 20 A
- NT-3PS-XX: 120/277 V 20 A
- NT-4PS-XX: 120/277 V 20 A
No derating required if ganged.

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

Fan controls
Slide-to-off fan control—quiet 3-speed
- Single-pole
  - NTFSQ-XX: 120 V 1.5 A
For use with only one ceiling fan.
No derating required if ganged.

Slide-to-off fan control—fully variable
- Single-pole
  - NTFS-6E-XX: 120 V 6 A
  - NTFS-12E-XX: 120 V 12 A
6A model provides an additional wire for switching fan light (360 W, incandescent/halogen). Light turns on when fan is on, and off when fan is off.
Fully variable fan controls are commonly known as solid state fan controls.

XX: Architectural matte color codes (1-gang wallplate included)

Large control
Product family features

- Can be used in conjunction with Nova T* dimmer and switch, and Architectural accessories
- Metal and glass finish wallplates with accessory openings can also be used with Designer wallplate opening controls and Designer accessories
- All Lutron wallplates are screwless, seamless, and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Blank inserts available for accessory size opening (NT-BI-)
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch or sample; contact Customer Service at 1.888.LUTRON1 for more information
- Customize your Architectural wallplate with engraving or by adding a corporate logo; visit lutron.com/engraving to get started

Ganging and derating

- Architectural wallplates in this section use standard ganging
- Requires fins to be removed from dimmers for proper spacing
- May require derating (i.e., reduction of dimmer capacity due to fin removal)
- Custom multi-gang wallplates required for the following cases
  - Full-capacity ganging ("No Fins Broken")
  - Large Nova T* controls (1500/2000 W)
  - Nova controls
  - Color change applications
  
  For more information visit lutron.com/customganging.

Available finishes

Use BOLD color code in model number (Example: WWP-2-SI)

Architectural matte

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>WH</td>
</tr>
<tr>
<td>Beige</td>
<td>BE</td>
</tr>
<tr>
<td>Black</td>
<td>BL</td>
</tr>
<tr>
<td>Sienna</td>
<td>SI</td>
</tr>
<tr>
<td>Brown</td>
<td>BR</td>
</tr>
<tr>
<td>Taupe</td>
<td>TP</td>
</tr>
<tr>
<td>Grey</td>
<td>GR</td>
</tr>
</tbody>
</table>

Architectural metal**

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright Nickel</td>
<td>BN</td>
</tr>
<tr>
<td>Bright Chrome</td>
<td>BC</td>
</tr>
<tr>
<td>Clear Anodized Aluminum</td>
<td>CLA</td>
</tr>
<tr>
<td>Satin Nickel</td>
<td>SN</td>
</tr>
<tr>
<td>Antique Bronze</td>
<td>OZ</td>
</tr>
<tr>
<td>Clear Glass</td>
<td>CWH</td>
</tr>
<tr>
<td>Green Glass</td>
<td>GWH</td>
</tr>
</tbody>
</table>

Architectural glass**

<table>
<thead>
<tr>
<th>Finish</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright Gold Plated</td>
<td>AU</td>
</tr>
<tr>
<td>Bright Brass</td>
<td>BB</td>
</tr>
<tr>
<td>Brass Anodized Aluminum</td>
<td>BRA</td>
</tr>
<tr>
<td>Satin Brass</td>
<td>SB</td>
</tr>
<tr>
<td>Antique Brass</td>
<td>OB</td>
</tr>
<tr>
<td>Black Anodized Aluminum</td>
<td>BLA</td>
</tr>
</tbody>
</table>

* Metal wallplates include black plastic trim/adapter, visible from side. Match with separate Black (BL) or Midnight (MN) controls.
** Glass wallplates include white plastic trim/adapter, visible from side. Match with separate White (WH) or Snow (SW) controls.
**Wallplates for Nova T controls and Architectural accessories**

<table>
<thead>
<tr>
<th>Type</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-gang for one accessory*</td>
<td>W: 2.75 in (70 mm)</td>
</tr>
<tr>
<td>2-gang for two accessories*</td>
<td>W: 4.56 in (116 mm)</td>
</tr>
<tr>
<td>3-gang for three accessories*</td>
<td>W: 6.44 in (164 mm)</td>
</tr>
<tr>
<td>2-gang, for one dimmer or switch and one accessory</td>
<td>W: 4.56 in (116 mm)</td>
</tr>
<tr>
<td>2-gang, for one accessory and one dimmer or switch</td>
<td>W: 4.56 in (116 mm)</td>
</tr>
</tbody>
</table>

**Important notes**

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. For more information consult Lutron Application Note #213, Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box, at [lutron.com/applicationnotes](http://lutron.com/applicationnotes).

**Cable jack**

- F-style, 75-Ohm coaxial cable
- Includes 1-gang wallplate

**Telephone jack**

- 6-conductor jack, RJ45
- Includes 1-gang wallplate

**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

**Connectors for 6-port frame**

- 8-conductor, RJ45 category 5e CON-1P-CSE-XX
- 8-conductor, RJ45 category 6 CON-1P-C6-XX
- MT-RJ feed through CON-1F-MTRJ-WH
- SC simplex CON-1F-SC-WH
- LG non-flush mount CON-1F-LC-WH
- ST-style CON-1F-ST-WH
- Cable jack F-style, 75-Ohm coaxial cable CON-1C-XX
- BNC jack BNC connector, 50-Ohm CON-1B-WH

Connectors only for use with 6-port frame.

**Architectural wallplates and accessories**

1-gang for one accessory* LFGR-1-XX
2-gang, for two dimmers or switches VWP-2-XX
3-gang, for three dimmers or switches VWP-3-XX
4-gang, for four dimmers or switches VWP-4-XX

Multi-gang dimmer installations may require derating.

Glass wallplates include white plastic trim/adapter, visible from side. Match with separate White (WH) or Snow (SW) controls.

Metals and glass finishes are only available as separate wallplates.

**XX**: Architectural matte color codes
**XXX**: Architectural glass color codes

For metal finishes visit [lutron.com/customganging](http://lutron.com/customganging) for more information.
Receptacles

- Includes 1-gang wallplate

15 A 125 V  NTR-15-XX
20 A 125 V  NTR-20-XX

Tamper-resistant receptacles*

15 A 125 V  NTR-15-TR-XX
20 A 125 V  NTR-20-TR-XX

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*

15 A 125 V  NTR-15-UBTR-XX

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*

15 A 125 V, GFCI  NTR-15-GFST-XX
20 A 125 V, GFCI  NTR-20-GFST-XX

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*

15 A 125 V  NTR-15-IG-OR-XX
20 A 125 V  NTR-20-IG-OR-XX

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

Half dimming, tamper-resistant receptacles*

15 A 120/125 V  NTR-15-HDTR-XX
20 A 120/125 V  NTR-20-HDTR-XX

Dual dimming, tamper-resistant receptacles*

15 A 120/125 V  NTR-15-DDTR-XX
20 A 120/125 V  NTR-20-DDTR-XX

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
20 A 120/125 V  NTR-20-HDTR-XX

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 HDFU 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 HDFU.
- For more information on dimming lamps, consult Lutron Application Note #109, Guide to Dimming Portable Lamps via Receptacles, at lutron.com/applicationnotes.

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-XX
UL/CSA/NOM regulatory approvals

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-XX
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 DFPU must be used.
- If the hot and dimmed hot feeds to the split duplex HDFU 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 HDFU.
- For more information on dimming lamps, consult Lutron Application Note #109, Guide to Dimming Portable Lamps via Receptacles, at lutron.com/applicationnotes.
Product family features
• Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Pico wireless remotes and Radio Powr Savr wireless sensors.
• Combine up to 10 wireless devices (dimmers, switches, sensors, and/or wireless remotes)
• Easy to install, requires no wiring tools
• Available in 1- or 3-receptacle models
• Button presses associate the module with Radio Powr Savr sensors and Pico wireless remotes
• Male plug on 24 in (610 mm) cord
• Female receptacle on 6 in (150 mm) cord
• Communicates at 434 MHz frequency

Direct load type compatibility
PowPak dimming module (dimming mode)
△ Incandescent/halogen lighting
PowPak dimming module (switching mode)
△ Incandescent/halogen lighting
♀ CFL/LED lighting (screw-base)
△ Magnetic low-voltage lighting
△ Electronic low-voltage lighting
PowPak appliance module
▼ General purpose

Available finishes
Use BOLD color code in model number (Example: MRF2-3PD-3-BL)
Matte finishes

Incandescent/halogen dimming modules
Plug-in dimming modules
1-receptacle cord MRF2-3PD-1-XX
120 V 300 W
3-receptacle cord MRF2-3PD-3-XX
120 V 300 W

Switching modules
Plug-in appliance modules
1-receptacle cord MRF2-15APS-1-XX
120 V 15 A (1/2 HP motor)
3-receptacle cord MRF2-15APS-3-XX
120 V 15 A (1/2 HP motor)
Shown actual size: Credenza lamp dimmer in White (WH).

**Product family features**
- Convenient full range dimmers for table and floor lamps
- Allows use of a standard light bulb instead of costly 3-way bulbs
- Easy to install, requires no wiring tools
- Models with locator light have LED that glows softly
- Cord is 6 ft (1.8 m) long

**Direct load type compatibility**
- Dimmable LED/CFL lighting (screw-base)
- Incandescent/halogen lighting

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

- **WH** White
- **BR** Brown
- **BL** Black

**Installation**

**Plug-in lamp dimmer**
- Slide up to on/brighten, down to dim/off
- LED+ dimmer provides reliable dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- Requires no wiring or tools

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

**Incase/halogen lamp dimmer**
- Plug-in lamp dimmer
- Single-pole
- 120 V 300 W

Visit lutron.com/LEDfinder for our online compatibility tool.

**Incandescent/halogen lamp dimmer**
- Plug-in lamp dimmer
- Single-pole
- TT-300NLH-**XX**
- 120 V 300 W

*Maximum light output of 85% guarantees 15% energy savings over standard switches*
Why choose Caséta Wireless?

Smartphones and tablets have been adopted at a rapid pace, and homeowners are making these devices their new point of control. Caséta Wireless provides simple, affordable, and reliable control of lights, shades, and temperature from anywhere.

A truly scalable solution

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

An easier 3-way

- Dimmer does not require neutral
- Mount remote on any surface — without cutting holes
- No wiring necessary for remote

Step 1
Install Caséta Wireless dimmer

Step 2
Mount Pico remote

A smarter timer

- Set timer once and never have to reset it again
- Timer schedules automatically adjust when seasons change
- No reprogramming for daylight saving or power outages

A smarter timer

- Set timer once and never have to reset it again
- Timer schedules automatically adjust when seasons change
- No reprogramming for daylight saving or power outages

Provide integrated solutions

Caséta Wireless integrates with the most popular connected home devices to provide a complete smart home solution.
**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, Radio Powr Savr wireless occupancy/vacancy sensors, and Smart Bridges
- LED+ models available
- Control and schedule lights from the Lutron App when paired with a Smart Bridge
- Use Pico wireless remotes for additional dimmers/switches in multi-location applications
- Communicates at 434 MHz frequency
- Coordinating Claro wallplates only available separately
- All models must be derated unless otherwise noted. Visit [lutron.com/multigang](http://lutron.com/multigang) for more information.

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

**Load type requiring load interface**
- Neon/cold cathode lighting

Lighting load interfaces may be required for some load type, voltage, and capacity combinations. For additional information see "Lighting Load Interfaces."

**Available finishes**
Use **BOLD** color code in model number (Example: PD-6WCL-WH)

- **WH** White
- **LA** Light Almond
- **IV** Ivory
- **BL** Black

**Control types**
- Single-pole (1 location)
- 3-way (2 locations)
- Wireless multi-location (up to 11 locations)

- **SS** Stainless Steel

* Stainless Steel metal wallplate only available separately and includes black plastic trim/adapter, visible from side. Match with separate Black (BL) control.
Switch & Remote Kit
- Eliminates fumbling around in the dark
- Add a switch anywhere
- Add a Smart Bridge anytime, ideal for garages, hallways, and kitchens

Smart Switch Starter Kit
- Always come back to a well-lit home
- Using the Lutron App, easily check which lights are on or off
- Automatically schedule lights to turn on and off anytime, ideal for outdoor lighting

3-Way Dimmer Kit with Remote
- Eliminates fumbling around in the dark
- Add a switch anywhere
- Add a Smart Bridge anytime, ideal for garages, hallways, and kitchens

Dimmer Kit with Smart Bridge
- Create the right light for any occasion
- Using the Lutron App, easily check which lights are on or off
- Ideal for the kitchen and living, family, and dining rooms

Lamp Dimmer & Remote Kit
- Adjust lights on either side of the bed
- Control multiple lamps in a room with one remote
- Ideal for bedrooms, living rooms, studies, and home offices

Smart Lamp Timer Kit
- Perfect for rooms with no overhead lighting
- Control lights with voice integration, the Lutron App, or a Pico remote
- Ideal for living rooms and bedrooms

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 superior dimming of dimmable LEDs/CFLs, as well as halogens and incandescents
- PRO and ELV+ models work with magnetic low-voltage lighting, and are compatible with Lutron 2-wire forward phase LED drivers, Tu-Wire fluorescent ballasts and load interfaces; ELV+ models also work with electronic low-voltage lighting

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

Tu-Wire fluorescent ballast dimmer
- Wireless in-wall ELV+ dimmer**
- Multi-location)/single-pole PD-5NE-XX
- 120V 250W (LED), 600W (Inc), 400VA/300W (MLV), 500W (ELV), 400W (Hi-lume 1% LED driver, max. 20), 3.3A (Tu-Wire fluorescent ballast)

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

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

Wireless in-wall LED+ dimmer
- PD-6WCL-XX
- 120V 150W (LED/CFL), 600W (Inc)

Visit lutron.com/LEDFinder for our online compatibility tool. Adjustable low-end trim.

Visit lutron.com/compatibility for our online compatibility tool. Adjustable low-end trim.

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

XX: Gloss color codes
Wallplates not included. Order separately.

Visit lutron.com/LEDfinder for our online compatibility tool.
Caséta Wireless dimmers, switches, and fan controls

**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*/1 single-pole
    - 120V 6A light, 3.6A (1/4 HP) fan
- Wireless in-wall electronic switch PRO
  - Multi-location/3-way*/1 single-pole
    - 120/277V 5A light, 3A fan

**Fan controls**
- Provides true control from each location with the Pico fan wireless remote
- Save fan speed preference with the “favorite” button
- 4 quiet fan speeds

**Fan controls—quiet 4-speed**
- Multi-location/single-pole
  - PD-FSQN-XX
  - 120V 1.5A

**Wireless plug-in lamp dimmer**
- Features two receptacles for simultaneous control of two lamps
- Simply plugs into a standard wall receptacle for easy installation
- Can be converted to a switch for control of other lighting loads

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

**Incandescent/halogen lamp dimmer**
- Wireless plug-in LED+ lamp dimmer
  - Single-pole
    - PD-3PCL-WH
    - 120V 100W (LED/CFL), 300W (Inc)
  - Visit lutron.com/LEDfinder for our online compatibility tool.

**Outdoor Smart Plug**
- Able to withstand all weather conditions
- IP65 certified
- Indicator LED light with status and error reporting available

**Switching Module**
- Outdoor Smart Plug
  - PD-15OUT-BL
  - 120V 15A light, 1/2 HP motor/pump

**Pico wireless remote**
- Only select models shown below, see Pico section for full family including Caséta PRO models

**Tabletop pedestals**
- Single pedestal
  - L-PED1-XX
- Dual pedestal
  - L-PED2-XX
- Trip pedestal
  - L-PED3-XX
- Quad pedestal
  - L-PED4-XX

**Car visor clip**
- Clip
  - PICO-CAR-CLIP

**Motion sensor**
- Occupancy/Vacancy
  - PD-OSENS-WH
- Vacancy only
  - PD-VSENS-WH

**Motion sensor**
- 10-year typical battery life
- 180 degree field of view
- Uses XCT technology for fine motion detection
- Occupancy/Vacancy models available

**Caséta Wireless**

**Wireless in-wall electronic switch**
- Available in Gloss colors
- Wallplates not included. Order separately.

**Wireless plug-in lamp dimmer**
- Available in Gloss White (WH) and Black (BL)
- Available in Gloss White (WH) and Light Almond (LA)

**Dimmable LED/CFL**
- Works with standard mechanical 3-way switch
- Neutral wire connection required
- For multi-location applications, replace additional switches with Pico wireless remotes

**Switching Module**
- Available in Gloss colors
- Wallplates not included. Order separately.
Product family features

- Allows for setup, control, and monitoring of Caséta Wireless devices and Lutron wireless shades from a smartphone, tablet, or wearable
- Supports Apple HomeKit* technology, which allows Caséta Wireless devices and Lutron wireless shades to be controlled by Siri
- Smart Bridge uses Lutron reliable Clear Connect radio frequency (RF) technology, which provides reliable RF communication with Caséta Wireless dimmers and switches, Pico wireless remotes, and Lutron wireless shades
- Smart Bridge supports up to 75 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
  - Geo-fencing support
- Multi-home control
- Lutron App is required for programming and use of Smart Bridge—compatible with iOS (7.0 or later) and Android (4.1 or later) devices
- Lutron App is compatible with other connected home solutions, such as smart thermostats and audio systems. For a full list visit casetawireless.com/integration.
- Smart Bridge connects to Wi-Fi router via Ethernet (3 ft cable included); local device operation will continue to function if internet connection is lost
- Smart Bridge PRO model supports Serena and Sivoia QS Triathlon shades, and integration with select A/V and security systems
- Smart Bridge communicates at 434 MHz frequency and has an RF range of 30 ft (9 m) through walls and floors to other RF devices
- Smart Bridge requires 120 V source for 5 V DC adapter (included)
- Smart Bridge available in White

* HomeKit requires an iPhone, iPad, or iPod touch. Controlling HomeKit-enabled accessories from home also requires an Apple TV with Apple TV software. Check Apple’s website to find requirements for supported iOS and Apple TV versions.
Product family features

• Battery-powered, wire-free, remote controlled shades
• Ultra-quiet operation
• Set multiple shades in motion with a single button press
• Adjust shades from anywhere in the home with a wireless remote or from anywhere in the world with the Lutron App and Smart Bridge
• Radio frequency (RF) control uses Lutron Clear Connect RF technology
• RF shades communicate at 434 Hz frequency
• Lutron power technology utilizes a hybrid drive design and ultra-efficient standby power, which provides long battery life
• Cordless design creates a safe solution for homes with children and pets
• Shades are offered in a variety of fabrics, colors, textures, and opacities
• Manual version also available

For more information visit lutron.com/serena

Roller shades

This contemporary and stylish window treatment combines superior functionality with a clean and elegant aesthetic. The innovative headrail simply tips forward to reveal the battery tray, making changing the batteries effortless, without ever removing the shade.

Shades are available in a variety of fabric colors and textures. Choose from sheer, translucent, and blackout fabric options.

- **Sheer**
  - Open weaves preserve views to outside and filter sunlight
  - Ideal for rooms where complete privacy is not necessary

- **Translucent**
  - Tighter weaves transform harsh daylight into a soft, filtered glow
  - Provides increased privacy for spaces like bathrooms

- **Blackout**
  - Opaque fabrics block light from entering the space
  - Ideal for bedrooms and media rooms to achieve complete privacy

Honeycomb shades

This stylish, functional, automated shade adds convenience, enhances décor, and saves energy. Air pockets trap heat to provide superior insulation for enhanced HVAC energy efficiency.

When selecting a shade fabric, you don’t need to sacrifice fashion for function. Exclusive Tap n’ Tilt technology makes changing the batteries effortless, without ever removing the shade. Whether you want to cut glare, add insulation, or block sunlight, you can choose from a beautiful palette of colors and textures that will meet those needs, all while adding a signature look to every space.

- **Light-filtering – Single-cell**
  - Transforms harsh daylight into a soft, filtered glow
  - Provides varying levels of privacy from the outside
  - Saves energy with insulating fabric and design

- **Light-filtering – Double-cell**
  - Allows some light to filter into the space
  - Saves even more energy with double-cell insulating design

- **Room-darkening – Single-cell**
  - Blocks light from entering into a space
  - Creates complete privacy from the outside
  - Saves the most energy due to aluminum lining

Check out our wide range of colors at lutron.com/serena or download the Lutron Fabric Collections app on the App Store.
Simple, scalable, wireless lighting control — Flexible control every step of the way

- Flexibility of the system allows you to design the building to meet your needs
  - The same suite of products allows you to design a simple, single-room solution or a fully integrated lighting management system
  - Multiple control options — combine individual fixture control and area control and easily match controls to any fixture package
  - Meet all of the latest energy codes and standards
- Less wiring reduces labor by 70%, and wireless technology makes setup as simple as pushing a button or using your smart device
- Monitor, adjust, and manage your system from any smart device to maximize your building's energy savings and occupant comfort

Transform existing buildings with wireless lighting control

Scalable solutions — start small and grow

Vive wireless solutions offer a multi-strategy approach that accommodates your budget and performance needs now, and for the future of your building.

1. Single office space
   Start by adding control in a single space and expand as budgets and occupant schedules allow.

2. Single floor
   Expand to new areas or an entire floor at any time without reprogramming or replacing existing equipment.

3. Multiple floors
   Duplicate the success of one floor across other floors as your business expands or tenants change. Control can be independent on each floor, or linked via Vive wireless hubs.

4. Entire building
   Vive offers seamless integration to other building management systems to control every light in your building.

Choose any load and control type

Any control type
- High-performance dimming with Lutron Hi-lume EcoSystem
- Other control types
  - 0-10V
  - Phase control
  - Switching
  - Contact closure output

Any load type
- LED
- Incandescent/halogen
- Fluorescent
- Magnetic low voltage
- Electronic low voltage
- CFL
- Receptacle
Vive wireless hub

- Starter hub supports 75 devices. Standard hub supports 700 devices
- Integrated multi-color LED provides feedback
- Flush-mount available for starter hub. Flush and surface mount options available for standard hub

Vive wireless hub with power supply and mounting adapter.
- Flush-mount starter hub (75) HJS-0-FM
- Flush-mount standard hub (700) HJS-1-FM
- Surface-mount standard hub (700) HJS-1-SM
For HJS-1-FM and HJS-1-SM, please contact sales for a quote.

Vive Vue software

- Facility management solution that provides the ability to tie multiple Vive hubs together in one software interface
- Allows ability to view status, control lights, and optimize building with a graphical floorplan
- Provides occupancy, usage, and energy information along with historical reports

Vive Vue software. Contact sales for a quote.
Dashboard license VIVE-VUE

Vive wireless hub replacement parts
Vive wireless hub external power supply PS-J-20W-UNV
Surface-mount installation adapter H-MOUNT-SM

Ethernet switches
- 16 port ETH-SWITCH-16
- 24 port ETH-SWITCH-24
- 24 port, 1 multi-mode fiber ETH-SWITCH-24-1M
- 24 port, 2 multi-mode fiber ETH-SWITCH-24-2M
- 24 port, 1 single-mode fiber ETH-SWITCH-24-1S
- 24 port, 2 single-mode fiber ETH-SWITCH-24-2S

All switches are unmanaged 10/100/1000 Mbps. This is a suggested, not holistic list. I provided gear that is equivalent or better is sufficient. Enterprise-level gear recommended.
**Product family features**

- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes, up to 10 Radio Powr Savr wireless occupancy/vacancy sensors, 1 Radio Powr Savr wireless daylight sensor, and 1 Vive hub.
- Compatible with the Vive wireless hub which enables a simple setup process using a standard web browser; also permits control and monitoring of all Vive devices.
- C-L model available.
- Communicates at 434 MHz frequency.
- Coordinating Claro, Satin Colors, and Stainless Steel wallplates only available separately.
- Custom engraving available for wallplates. Visit lutron.com/engraving for more information.

**Control types**

- Single-pole (1 location)
- Multi-location (up to 10 locations)
- Wireless multi-location (up to 11 locations)

**Direct load type compatibility**

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

**Load type requiring load interface**

- Neon/cold cathode lighting

Lighting load interfaces may be required for some load type, voltage, and capacity combinations.

**Available finishes**

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

- **Gloss**
  - White (WH)
  - Light Almond (LA)
  - Almond (AL)
  - Ivory (IV)
  - Gray (GR)
  - Brown (BR)
  - Black (BL)

- **Satin Colors**
  - Mocha Stone (MS)
  - Terracotta (TC)
  - Sienna (SI)
  - Hot (HT)
  - Merlot (MR)
  - Midnight (MN)
  - Stainless Steel (SS)
  - Bluestone (BG)
  - Plum (PL)
  - Goldstone (GS)
  - Desert Stone (DS)
  - Greenbriar (GB)
  - Light Almond (LA)
  - Almond (AL)
  - Ivory (IV)
  - Gray (GR)
  - Brown (BR)
  - Black (BL)

- **Metal wallplate**
  - Match with separate Black (BL) or Midnight (MN) controls.

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

Shown actual size: Pico wireless remote in White (WH), W: 1.25 in (31.75 mm) x H: 2.63 in (66.80 mm) x D: .33 in (8 mm).
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
- Provides true dimming from each location with companion dimmers or Pico wireless remotes

Dimmable LED/CFL (screw-base) dimmer
- Digital fade wireless LED+ dimmer
- Multi-location/single-pole MRF2S-6CL-XX
- 120V 150W (LED/CFL), 600W (Inc)
- Visit lutron/LEDfinder for our online compatibility tool.

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 MRF2S-6ELV-XX
- 120V 600W

Wireless electronic switches
- Tap switch on/off
- For multi-location switching, use one Vive Maestro Wireless switch with companion switches or Pico wireless remotes

Wireless electronic switch
- Multi-location/single-pole MRF2S-6ANS-XX
- 120V 6A light, 3A fan (1/10 HP)

Wireless electronic switches — specification grade
- Multi-location/single-pole MRF2S-8ANS-120-XX
- 120V 8A light, 5.8A fan (1/4 HP)

Companion controls
- For use with multi-location controls only; use up to nine companion controls with only one Vive Maestro Wireless multi-location dimmer or switch

Companion dimmer MA-R-XX
- 120V MSC-AD-XX

Companion switch MA-AS-XX
- 120V MSC-AS-XX

In-wall sensors
- Easy to install; directly replaces an existing control in a wallbox
- Combines occupancy sensing, manual control, and system connectivity in one piece of hardware
- Easily add additional wall controls and sensors without running any new wires
- Connect a Vive wireless hub for system features such as timeclock, energy reporting, and demand response/load shed
- Lutron XCT technology for superior sensitivity prevents false ons and false offs
**Product family features**
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes, 10 Radio Powr Savr occupancy/vacancy sensors, 1 Radio Powr Savr wireless daylight sensor*, and 1 Vive wireless hub
- Compatible with Vive hub, which enables a simple setup process using the Vive app or a standard web browser; also permits control and monitoring of all Vive devices
- Mounts through a 1/2” NPT trade size knock-out to a junction box or to a fixture
- Can also be mounted inside of a standard 4” x 4” junction box
- RF range of 60 ft (18 m) line-of-sight, 30 ft (9 m) through walls and floors to other compatible RF devices
- Communicates at 434 MHz frequency

**Direct load type compatibility**

**PowPak dimming modules**
- LED lighting
- Fluorescent

**PowPak relay modules**
- Switched lighting/fan/motor
- Receptacles

**PowPak contact closure module**
- Low-voltage resistive

**EcoSystem/DALI**
- Compatible with any Lutron EcoSystem LED or driver or ballast for high-performance dimming and control
- Multiple drivers/ballasts connected to control module will always work together as a single zone

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

**0–10V LED/fluorescent fixture dimming module**
- Vive PowPak dimming module for 0–10V control
- 60 mA max control current
- RMJS-8T-DV-B 120/277 V 8A
- Compatible with any IEC 60929 Annex E compliant driver or ballast.

**EcoSystem LED/driver fluorescent ballast fixture dimming module**
- Vive PowPak single zone
- 32 drivers/ballasts
- RMJS-ECO32-SZ 120/277 V

**Relay modules**
- General purpose switch controls lighting, fan, and motor loads
- Uses patented Softswitch technology to extend relay life to average 1,000,000 cycles
- Available with dry contact closure output for integration with third-party equipment; provides occupancy status

**Switching module**
- Vive PowPak relay modules
- 5 A (1/6 HP – 120 V, RMJS-5R-DV-B 1/3 HP – 277 V) 120/277 V
- 5 A (1/6 HP – 120 V, RMJS-5RCCO1-DV-B 1/3 HP – 277 V) 120/277 V with contact closure output
- 16 A (1/2 HP – 120 V, RMJS-16R-DV-B 1/2 HP – 277 V) 120/277 V with contact closure output
- 16 A (1/2 HP – 120 V, RMJS-16RCCO1-DV-B 1/2 HP – 277 V) 120/277 V with contact closure output
- 20 A (1 HP – 120 V, RMJS-20R-DV-B 2 HP – 277 V) 120/277 V with contact closure output
- 20 A (1 HP – 120 V, RMJS-20RCCO1DVB 2 HP – 277 V) 120/277 V with contact closure output

**Vive PowPak contact closure module**
- 1 contact closure output
- RMJS-CCO1-24-B 24 V AC/DC

* Vive PowPak 20A relay module is not compatible with the Radio Powr Savr wireless daylight sensor.
Wireless fixture control module with EcoSystem

- EcoSystem is engineered and tested to guarantee 100% compatibility between controls, drivers, ballasts, and sensors

Wireless fixture control module for 0–10V control

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

Vive PowPak wireless fixture control module with EcoSystem*

- 3 drivers/ballasts FCJS-ECO
- 120–277 V
- 8 Pack FCJS-ECO-BULK8

EcoSystem LED driver/fluorescent ballast fixture control module

Vive PowPak wireless fixture control module with EcoSystem*

EcoSystem LED driver/fluorescent ballast fixture control module

Vive PowPak wireless fixture control module with EcoSystem*

- 3 drivers/ballasts FCJS-ECO
- 120–277 V
- 8 Pack FCJS-ECO-BULK8
Compaticle with any IEC 60929 Annex E compliant driver or ballast.

0–10V LED/fluorescent fixture control module

Vive PowPak wireless fixture control module for 0–10V control*

- 6 mA max control current FCJS-010
- 120–277 V
- 8 Pack FCJS-010-BULK8

Occupancy/daylight sensor

- Auto-on/auto-off, manual on/auto-off
- 360° field-of-view
- Daylighting via Lutron reliable closed loop proportional control
- Vacancy model is Title 24 compliant proportional control

Occupancy/daylight sensor

- Ceiling- or fixture-mount FC-SENSOR
- FC-VSENSOR*

Fixure sensor major motion coverage range

<table>
<thead>
<tr>
<th>Ceiling height</th>
<th>Maximum room dimensions for complete floor coverage</th>
<th>Square feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft (2.4 m)</td>
<td>16 X 16 ft (4.9 X 4.9 m)</td>
<td>275 ft² (25.5 m²)</td>
</tr>
<tr>
<td>9 ft (2.7 m)</td>
<td>17 X 17 ft (5.2 X 5.2 m)</td>
<td>300 ft² (27.8 m²)</td>
</tr>
<tr>
<td>10 ft (3.0 m)</td>
<td>18 X 18 ft (5.5 X 5.5 m)</td>
<td>325 ft² (30.2 m²)</td>
</tr>
<tr>
<td>12 ft (3.7 m)</td>
<td>19 X 19 ft (5.8 X 5.8 m)</td>
<td>375 ft² (34.8 m²)</td>
</tr>
</tbody>
</table>

Use with PowPak fixture sensor (on next page) or with Radio Powr Savr wireless sensors

Vacancy-only model
**Product family features**

- Radio-frequency (RF) receptacle with built-in control/antenna used for switching general purpose loads
- May be used to control, but is not limited to, monitors, fans and humidifiers*
- Uses Lutron Clear Connect radio frequency (RF) technology, which provides reliable RF communication with up to 10 Pico wireless remotes, up to 10 Radio Power Saver wireless occupancy/vacancy sensors, and 1 Vive wireless hub
- Features adaptive switching, which maximizes relay life by switching at the point of minimum energy on the AC power curve
- Capable of controlling receptacles downstream
- Compatible with the Vive wireless hub, which enables a simple setup process using a standard web browser; also permits control and monitoring of all Vive devices
- Available in both 15 A and 20 A versions, and in both duplex and split models
- Includes tamper-resistant shutter mechanism
- RF range of 60 ft (18 m) line-of-sight, 30 ft (9 m) through walls and floors to other compatible RF devices
- Communicates at 434 MHz frequency
- Coordinating Claro and Stainless Steel wallplates only available separately
- Custom engraving available for wallplates. Visit lutron.com/engraving for more information.

**Available finishes**

Use **BOLD** color code in model number (Example: CAR2S-15-STR-**WH**)

**Gloss finishes**

- **WH** White
- **LA** Light Almond
- **BL** Black

**Direct load type compatibility**

- **Switched lighting/fan/motor**

**Split wireless receptacle**

- Top outlet only is controlled
- Available in 15 A or 20 A version
- Wallplate sold separately

**Duplex wireless receptacle**

- Both outlets are controlled
- Available in 15 A or 20 A version
- Wallplate sold separately

---

* Not intended for control of permanently installed lighting fixtures or loads that present a hazard if automatically energized.
**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, group of lights, plug load, or audio system
- Can be wall-mounted, mounted on a tabletop pedestal, kept on a car visor clip, or used as a handheld control; adhesive-mount for standalone wall mounting included with Pico wireless remote; all other mounting accessories sold separately
- Simple to install in single- or multi-gang applications with Claro
- 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, PowPak plug-in, Caséta Wireless, Vive Maestro Wireless, Vive PowPak, Vive wireless receptacles, and Serena battery-powered shades
- 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
- All Pico models work with every wireless system; Caséta models only work with Caseta systems

**Available finishes**

Use BOLD color code in model number (Example: PJ2-3BRL-GWH L01)

<table>
<thead>
<tr>
<th>Gloss (available for most button configurations)</th>
<th>WH</th>
<th>WG</th>
<th>IV</th>
<th>LA</th>
<th>BL</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>White/Gray</td>
<td>Ivory</td>
<td>Light Almond</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

**All models, shown in white**

- 2-button (light)
- 2-button (appliance)
- 2-button with raise/lower
- 2-button with nightlight
- 3-button

**Pedestal Gloss**

- WH White
- BL Black
2-button wireless remotes
- On/off
- Text labeling
- Available with nightlights

3-button wireless remotes
- On/off and preset button
- Light icon labeling

Pico wireless remote
2-button
Light icon PJ2-2B-GXX-L01
Appliance icon PJ2-2B-GXX-L02

Pico wireless remote with nightlight
2-button
Light icon PJN-2B-GXX-L01

2-button with raise/lower wireless remotes
- On/off and raise/lower

3-button with raise/lower wireless remotes
- On/off, raise/lower, and preset button
- Available with nightlight

Pico wireless remote
3-button with raise/lower
Light icon PJ2-3BRL-GXX-L01
Audio text PJ2-3BRL-GXX-A02

Caséta Wireless Pico wireless remote
3-button with raise/lower
Light icon PJ2-3BRL-XX-L01R
3-button with raise/lower with wallplate and wallbox adapter
Light icon PJ2-WALL-XX-L01

Pico wireless remote with nightlight
3-button with raise/lower
Light icon PJN-3BRL-XX-L01

4-button scene wireless remotes
- Light icon model offers
  3 scenes and off
- Custom model offers
  4 scenes and custom labeling

Pico wireless remote
4-button scene
Light icon PJ2-4B-GXX-L1
Custom PJ2-4B-GXX-EL2

Caséta Wireless Pico wireless remote PRO
4-button scene (3-scene control)
Light icon PJ2-4B-XX-L31P

4-button 2-group wireless remotes
- On/off (open/close) for two groups of lights/shades

4-button scene wireless remotes
- Light icon model offers
  3 scenes and off
- Custom model offers
  4 scenes and custom labeling

Pico wireless remote
4-button 2-group
Light icon PJ2-4B-GXX-L1

Caséta Wireless Pico wireless remote PRO
4-button zone (dimming control)
Light icon PJ2-4B-XX-L01P

Accessories
Screw-mount kit PICO-SM-KIT
Mounting kit PICO-SM-KIT
Kit recommended for standalone mounting; includes screws to be used for permanent mounting and/or mounting to non-smooth surfaces.

Wallbox adapter
Adapter PICO-WBX-ADAPT
Adapter allows the Pico wireless remote to be installed over an existing wallbox. Adapter to be used with Claro wallplates.

Tabletop pedestals
Single pedestal L-PED1-XX
Dual pedestal L-PED2-XX
Triple pedestal L-PED3-XX
Quad pedestal L-PED4-XX

Car visor clip
Clip PICO-CAR-CLIP

XX: Available in Gloss colors
XX: Available in Gloss White (WH) and Black (BL)
XX: Available in Gloss White (WH) and Light Almond (LA)

Shown actual size: Radio Powr Savr wireless ceiling-mount and wireless wall-mount occupancy/vacancy 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, PowPak plug-in, Vive Maestro Wireless, Vive PowPak, Vive wireless receptacles
- 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)
- Mount within 60 ft (18 m) line-of-sight or 30 ft (9.1 m) through walls of the receiving devices
- Communicates at 434 MHz frequency
- Available in White (WH)
- Sensors in this section are compatible with all wireless systems except Caséta; see the Caséta section for the Caséta wireless sensor

Occupancy/vacancy sensor
- Auto-on/auto-off, auto-on low light/auto-off
- High, medium, and low sensitivity settings
- 360° field-of-view
- Recommended 8-12 ft ceilings

Accessories
- Accessory kit
- 10 temporary mounting strips
- 10 PIR lens masks
- Recess-mounting bracket

Wireless ceiling-mount sensor major motion coverage range
- Ceiling height
  - 8 ft (2.4 m)
  - 9 ft (2.7 m)
  - 10 ft (3.0 m)
  - 12 ft (3.7 m)
- Maximum room dimensions for complete floor coverage
  - 18 x 18 ft (5.5 x 5.5 m)
  - 20 x 20 ft (6.1 x 6.1 m)
  - 22 x 22 ft (6.7 x 6.7 m)
  - 26 x 26 ft (7.9 x 7.9 m)
- Square feet
  - 324 ft² (30.2 m²)
  - 400 ft² (37.2 m²)
  - 484 ft² (44.9 m²)
  - 676 ft² (62.4 m²)

Hallway mount major motion coverage
- Width of hall
  - 6 ft (1.8 m) or less
  - 8 ft (2.4 m)
  - 10 ft (3.06 m) or more
- Length of hall
  - 50 ft (15.2 m)
  - 100 ft (30.5 m)
  - 150 ft (45.7 m)

Vacancy-only model
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, PowPak plug-in, Vive Maestro Wireless, and Vive PowPak
- 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 0–1600 lx (0–150 fc)
- Limit 1 sensor per RF device; 1 sensor can be associated with up to 10 compatible RF devices
- Mount within 60 ft (18 m) line-of-sight or 30 ft (9.1 m) through walls, of the receiving devices
- Built-in test mode and temporary mounting hardware (included) allows for optimum sensor placement and coverage
- For indoor use only; temperature: 32° F – 104° F (0° C – 40° C)
- Communicates at 434 MHz frequency
- Available in White (WH)

Daylight sensor

- Detects light level and relays information back to compatible radio frequency devices
- Designed to give a linear response to changes in perceived light level

Mounting Location

Determine the daylight sensor mounting location using the diagram below:

- Place the daylight sensor so the viewing area is centered on the nearest window at a distance from the window of 1 to 2 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 1H–2H from windows, place sensor near windows facing into space

Location for average size areas

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

Location for narrow areas (corridors, private offices)

Arrow points toward the area viewed by the sensor (away from window)
## Ganging and derating

### New Architectural | GRAFIK T, GRAFIK T phase selectable

**Architectural | Nova T+ LED+**

**Designer** | Caséta Wireless LED+, Caséta Wireless ELV+, Caséta Wireless PRO, Diva LED+, Diva reverse-phase, Lumēa LED+, Maestro LED+, Maestro LED+ sensor, Skylark LED+, Skylark reverse-phase, Skylark Contour LED+, Skylark Contour reverse-phase, Sunnata LED+. Vive Maestro Wireless LED+

**Traditional | Ariadni LED+**

Load types can be mixed on these dimmers (example: LED and incandescent); however, the total allowable wattage must be calculated based on the wattage of the combined load types and the number of fins broken on the dimmer.

### 150 W LED+ dimmers

<table>
<thead>
<tr>
<th>Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)</th>
<th>Maximum Allowable Incandescent/Halogen Wattage</th>
<th>No sides removed</th>
<th>1 side removed</th>
<th>2 sides removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 W – 25 W</td>
<td>+ 500 W</td>
<td>300 W</td>
<td>200 W</td>
<td>100 W</td>
</tr>
<tr>
<td>25 W – 50 W</td>
<td>+ 400 W</td>
<td>300 W</td>
<td>200 W</td>
<td>100 W</td>
</tr>
<tr>
<td>51 W – 70 W</td>
<td>+ 300 W</td>
<td>200 W</td>
<td>150 W</td>
<td>100 W</td>
</tr>
<tr>
<td>76 W – 100 W</td>
<td>+ 200 W</td>
<td>100 W</td>
<td>50 W</td>
<td>0 W</td>
</tr>
<tr>
<td>101 W – 125 W</td>
<td>+ 150 W</td>
<td>50 W</td>
<td>0 W</td>
<td></td>
</tr>
<tr>
<td>126 W – 150 W</td>
<td>+ 0 W</td>
<td>0 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** There is no wattage reduction when controlling only LED or CFL.

### 250 W LED+ (Ariadni, Diva, and GRAFIK T)

### and reverse-phase (Nova T+): dimmers

<table>
<thead>
<tr>
<th>Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)</th>
<th>Maximum Allowable Incandescent/Halogen Wattage</th>
<th>No sides removed</th>
<th>1 side removed</th>
<th>2 sides removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 W – 40 W</td>
<td>+ 500 W</td>
<td>300 W</td>
<td>200 W</td>
<td>100 W</td>
</tr>
<tr>
<td>41 W – 80 W</td>
<td>+ 400 W</td>
<td>300 W</td>
<td>200 W</td>
<td>100 W</td>
</tr>
<tr>
<td>81 W – 120 W</td>
<td>+ 300 W</td>
<td>200 W</td>
<td>150 W</td>
<td>100 W</td>
</tr>
<tr>
<td>121 W – 160 W</td>
<td>+ 200 W</td>
<td>100 W</td>
<td>50 W</td>
<td>0 W</td>
</tr>
<tr>
<td>161 W – 200 W</td>
<td>+ 150 W</td>
<td>50 W</td>
<td>0 W</td>
<td></td>
</tr>
<tr>
<td>201 W – 250 W</td>
<td>+ 0 W</td>
<td>0 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** There is no wattage reduction when controlling only LED or CFL.

### 250 W PRO LED+ (Maestro)

<table>
<thead>
<tr>
<th>Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)</th>
<th>Maximum Allowable Incandescent/Halogen Wattage</th>
<th>No sides removed</th>
<th>1 side removed</th>
<th>2 sides removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 W – 50 W</td>
<td>+ 400 W</td>
<td>300 W</td>
<td>200 W</td>
<td>100 W</td>
</tr>
<tr>
<td>51 W – 100 W</td>
<td>+ 300 W</td>
<td>200 W</td>
<td>150 W</td>
<td>100 W</td>
</tr>
<tr>
<td>101 W – 150 W</td>
<td>+ 200 W</td>
<td>150 W</td>
<td>100 W</td>
<td>50 W</td>
</tr>
<tr>
<td>151 W – 200 W</td>
<td>+ 100 W</td>
<td>50 W</td>
<td>0 W</td>
<td></td>
</tr>
<tr>
<td>201 W – 250 W</td>
<td>+ 0 W</td>
<td>0 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## Derating and derating (continued)

### New Architectural | GRAFIK T LED+, GRAFIK T phase selectable

**Architectural | Nova T+ LED+**

**Designer** | Caséta Wireless LED+, Caséta Wireless ELV+, Caséta Wireless PRO, Diva LED+, Diva reverse-phase, Lumēa LED+, Maestro LED+, Maestro LED+ sensor, Skylark LED+, Skylark reverse-phase, Skylark Contour LED+, Skylark Contour reverse-phase, Sunnata LED+. Vive Maestro Wireless LED+

**Traditional | Ariadni LED+**

### 250 W LED+ (Nova T+): and PRO dimmers

<table>
<thead>
<tr>
<th>Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)</th>
<th>Maximum Allowable Incandescent/Halogen Wattage</th>
<th>No sides removed</th>
<th>1 side removed</th>
<th>2 sides removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 W – 40 W</td>
<td>+ 800 W</td>
<td>600 W</td>
<td>500 W</td>
<td>300 W</td>
</tr>
<tr>
<td>41 W – 80 W</td>
<td>+ 600 W</td>
<td>500 W</td>
<td>400 W</td>
<td>300 W</td>
</tr>
<tr>
<td>81 W – 120 W</td>
<td>+ 500 W</td>
<td>400 W</td>
<td>300 W</td>
<td>200 W</td>
</tr>
<tr>
<td>121 W – 160 W</td>
<td>+ 400 W</td>
<td>300 W</td>
<td>200 W</td>
<td>100 W</td>
</tr>
<tr>
<td>161 W – 200 W</td>
<td>+ 300 W</td>
<td>200 W</td>
<td>100 W</td>
<td>50 W</td>
</tr>
<tr>
<td>201 W – 250 W</td>
<td>+ 0 W</td>
<td>0 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** There is no wattage reduction when controlling only LED or CFL.

### Phase selectable, ELV+, and reverse-phase (Diva and Skylark Contour) dimmers

<table>
<thead>
<tr>
<th>Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs)</th>
<th>Maximum Allowable Incandescent/Halogen Wattage</th>
<th>No sides removed</th>
<th>1 side removed</th>
<th>2 sides removed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 W – 40 W</td>
<td>+ 500 W</td>
<td>400 W</td>
<td>300 W</td>
<td>200 W</td>
</tr>
<tr>
<td>41 W – 80 W</td>
<td>+ 300 W</td>
<td>200 W</td>
<td>100 W</td>
<td>50 W</td>
</tr>
<tr>
<td>81 W – 120 W</td>
<td>+ 200 W</td>
<td>100 W</td>
<td>50 W</td>
<td>25 W</td>
</tr>
<tr>
<td>121 W – 160 W</td>
<td>+ 100 W</td>
<td>50 W</td>
<td>0 W</td>
<td></td>
</tr>
<tr>
<td>161 W – 200 W</td>
<td>+ 0 W</td>
<td>0 W</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Note:** There is no wattage reduction when controlling only LED or CFL.

| = no sides removed                                           |
| = 1 side removed                                            |
| = 2 sides removed                                           |
## Derating Table 2

### New Architectural | GRAFIK T

<table>
<thead>
<tr>
<th>Architectural</th>
<th>Nova T®</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Architectural</td>
<td>GRAFIK T</td>
</tr>
<tr>
<td>Architectural</td>
<td>Nova T®</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimmers</th>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incandescent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAFIK T</td>
<td>500 W</td>
<td>400 W</td>
<td>300 W</td>
</tr>
<tr>
<td>Nova T®</td>
<td>600 W</td>
<td>500 W</td>
<td>300 W</td>
</tr>
<tr>
<td>GRAFIK T</td>
<td>600 W</td>
<td>500 W</td>
<td>400 W</td>
</tr>
<tr>
<td>Nova T®</td>
<td>1000 W</td>
<td>800 W</td>
<td>600 W</td>
</tr>
<tr>
<td>Nova T®</td>
<td>1500 W</td>
<td>1250 W</td>
<td>1000 W</td>
</tr>
<tr>
<td>Nova T®</td>
<td>1950 W</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Magnetic low-voltage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAFIK T</td>
<td>400 VA/300 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Nova T®</td>
<td>600 VA/450 W</td>
<td>500 VA/400 W</td>
<td>300 VA/200 W</td>
</tr>
<tr>
<td>Nova T®</td>
<td>1000 VA/800 W</td>
<td>900 VA/700 W</td>
<td>700 VA/550 W</td>
</tr>
<tr>
<td>Nova T® (277V)</td>
<td>1000 VA/1200 W</td>
<td>900 VA/1000 W</td>
<td>700 VA/800 W</td>
</tr>
<tr>
<td>Electronic low-voltage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova T®</td>
<td>300 W</td>
<td>300 W</td>
<td>250 W</td>
</tr>
<tr>
<td>GRAFIK T</td>
<td>500 W</td>
<td>400 W</td>
<td>300 W</td>
</tr>
<tr>
<td>Nova T®</td>
<td>600 W</td>
<td>500 W</td>
<td>400 W</td>
</tr>
</tbody>
</table>

### Dimmers (continued)

<table>
<thead>
<tr>
<th>Dimmable LED/CFL (screw-base)</th>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td>GRAFIK T</td>
<td>150 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Nova T®</td>
<td>250 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>2-wire LED</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAFIK T, Nova T®</td>
<td>10 drivers/400 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Nova T®</td>
<td>6 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Nova T®</td>
<td>8 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Nova T®</td>
<td>16 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Tu-Wire fluorescent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAFIK T</td>
<td>3.3 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Nova T®</td>
<td>5 A</td>
<td>4 A</td>
<td>3.3 A</td>
</tr>
<tr>
<td>0–10V fixture</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova T® – no power pack</td>
<td>8 A/30 mA</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Magnetic fluorescent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova T®</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Fan controls

| Quiet 3-speed | | |
| Nova T® | 1.5 A | No derating | No derating |
| Fully variable | | | |
| Nova T® | 6 A | 4.2 A | 2.5 A |
| Nova T® | 12 A | 10 A | 8.3 A |

### Switches

| Electronic (light/fan) | | |
| GRAFIK T (light/fan) | 5 A/3 A | 4.2 A/3 A | 3.3 A/3 A |
| Mechanical | | | |
| Nova T® | 20 A | No derating | No derating |
## Derating Table 3 (continued)

**Designer** | Caséta Wireless, Diva, Luméa, Maestro, Skylark, Skylark Contour, Sunnata, Vive Maestro Wireless

<table>
<thead>
<tr>
<th>Dimmers (continued)</th>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2-wire LED</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diva, Vive Maestro Wireless</td>
<td>8 drivers/350 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Caséta Wireless</td>
<td>13 drivers/520 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Caséta Wireless</td>
<td>20 drivers/400 W</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td><strong>3-wire LED/fluorescent</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diva</td>
<td>6 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Maestro</td>
<td>20 ballasts or drivers/6 A</td>
<td>20 ballasts or drivers/5 A</td>
<td>20 ballasts or drivers/3.5 A</td>
</tr>
<tr>
<td>Diva, Skylark</td>
<td>8 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Tu-Wire fluorescent</td>
<td>3.3 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Caséta Wireless</td>
<td>5 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Diva, Skylark, Vive Maestro Wireless</td>
<td>5 A</td>
<td>4 A</td>
<td>3.3 A</td>
</tr>
<tr>
<td><strong>0–10 V fixture</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diva, Maestro sensor – no power pack</td>
<td>8 A/50 mA</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Diva – power pack required</td>
<td>30 mA</td>
<td>No derating</td>
<td>No derating</td>
</tr>
</tbody>
</table>

### Magnetic low-voltage

| Caséta Wireless | 400 VA/300 W | No derating | No derating |
| Skylark, Skylark Contour, Vive Maestro Wireless | 400 VA/300 W | 400 VA/400 W | 400 VA/400 W |
| Caséta Wireless, Diva, Maestro | 1000 VA/800 W | 800 VA/650 W | 650 VA/500 W |

### Electronic low-voltage

| Diva, Skylark, Skylark Contour | 300 W | 250 W | 200 W |
| Caséta Wireless, Diva, Skylark Contour | 500 W | 400 W | 300 W |
| Maestro, Vive Maestro Wireless | 600 W | 500 W | 400 W |
### Derating Table 3 (continued)

**Designer** | Caséta Wireless, Diva, Luméa, Maestro, Skylark, Skylark Contour, Sunnata, Vive Maestro Wireless

<table>
<thead>
<tr>
<th>Fan controls</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No fins broken</td>
<td>1 fin broken</td>
<td>2 fins broken</td>
<td></td>
</tr>
<tr>
<td><strong>Quiet 3-speed</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diva, Skylark, Skylark Contour</td>
<td>1.5 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Diva, Skylark</td>
<td>2 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td><strong>Fully variable</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skylark</td>
<td>5 A</td>
<td>4 A</td>
<td>3 A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fan/light controls</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No fins broken</td>
<td>1 fin broken</td>
<td>2 fins broken</td>
<td></td>
</tr>
<tr>
<td><strong>Quiet 3-speed</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skylark (fan/light)</td>
<td>1.5 A/300 W (Inc)</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Diva (fan/light)</td>
<td>1.5 A/2 A (Inc), 1 A (LED/CFL)</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Skylark (fan/light)</td>
<td>1.5 A/3 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td><strong>Fully variable</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skylark (fan/light)</td>
<td>2.5 A/300 W (Inc)</td>
<td>2.1 A/250 W</td>
<td>1.7 A/200 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Switches</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>No fins broken</td>
<td>1 fin broken</td>
<td>2 fins broken</td>
<td></td>
</tr>
<tr>
<td><strong>Electronic</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maestro sensor</td>
<td>2 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Maestro sensor (light/fan)</td>
<td>5 A/3 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Caséta Wireless (light/fan)</td>
<td>5 A/3 A</td>
<td>4 A/3 A</td>
<td>3 A/3 A</td>
</tr>
<tr>
<td>Maestro</td>
<td>6 A</td>
<td>5 A</td>
<td>3.5 A</td>
</tr>
<tr>
<td>Maestro PIR sensor (light/fan)</td>
<td>6 A/3 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Vive Maestro Wireless (light/fan)</td>
<td>6 A/3 A</td>
<td>5 A/3 A</td>
<td>3.5 A/3 A</td>
</tr>
<tr>
<td>Caséta Wireless (light/fan)</td>
<td>6 A/3.6 A</td>
<td>6 A/3.6 A</td>
<td>5 A/3.6 A</td>
</tr>
<tr>
<td>Maestro DT sensor (light/fan)</td>
<td>6 A/4.4 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Maestro (light/fan)</td>
<td>8 A/3 A</td>
<td>6.25 A/3 A</td>
<td>5 A/3 A</td>
</tr>
<tr>
<td>Vive Maestro Wireless (120–277 V, light/fan)</td>
<td>8 A/3 A</td>
<td>8 A/3 A</td>
<td>7 A/3 A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dual switch/switch</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Maestro sensor (light/fan/light/fan)</td>
<td>6 A/4.4 A/6 A/4.4 A</td>
<td>No derating</td>
<td>No derating</td>
</tr>
<tr>
<td>Timers</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Maestro (light/fan)</td>
<td>5 A/3 A</td>
<td>4 A/3 A</td>
<td>3 A/3 A</td>
</tr>
</tbody>
</table>
Wiring diagrams

Wiring diagram #12
Caséta Wireless Switch with Two Black Wires and One Blue Wire in a 3-Way Application with a Pico Remote

Wiring diagram #13
Switch with Two Black Wires and One Blue Wire in a 3-Way Application with a Mechanical Switch

Wiring diagram #14
Sensor Switch with Two Black Wires and One Blue Wire in a 3-Way Application with a Companion Switch

Wiring diagram #15
Dimmer with One Black Screw, One Brass Screw, and One Blue Screw in a 4-Way Application with Two Companion Dimmers

Wiring diagram #16
Sensor Switch with Two Black Wires and One Blue Wire in a 4-Way Application with Two Companion Switches

For a full list of wiring diagrams, please visit lutron.com/wiringwizard

04.04.2019
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