Volume 1: Basic devices and single-space systems

Specification guide to wallbox dimmers, switches, sensors and accessories for commercial and residential applications
Lutron products for every application:
- Residential or commercial
- Retrofit, renovation or new construction
- In this guide: basic devices and single-space systems for North and South America (120V, 277V and 347V)

Solutions available for applications worldwide: consult www.lutron.com/international
Table of contents

2 Scalable light management solutions
4 New energy-saving products

Four steps to selecting your control
5 Step 1. Select your control by style
6 Step 2. Consider the required number of control locations
7 Step 3. Select your model by lighting load type and quantity
11A Step 4. Additional selection considerations

12 Dimmer families
■ New Architectural wallplate opening
14 Vierti™

■ Architectural wallplate opening
20 Vareo®
26 Nova T™
34 Nova®
42 Centurion®

■ Designer wallplate opening
46 Maestro®
60 Maestro IR®
68 Maestro Wireless®
76 Spacer System®
86 Diva®
94 Lyneo® Lx
100 Skylark Contour™
104 Skylark®

■ Traditional wallplate opening
114 Abella®
120 Ceana®
124 Ariadni®
130 Glyder®
134 Rotary

■ Lamp dimmers
138 Credenza® and Attache®

■ Sensors
140 Maestro® wallbox occupancy/vacancy sensor
144 Radio Powr Savr™ occupancy/vacancy sensor
146 Radio Powr Savr™ daylight sensor

Wallplates and accessories
148 ■ New Architectural
152 ■ Architectural
160 ■ Designer | Claro® and Satin Colors®
166 ■ Traditional | Fassada®

■ Appendix
169 Control mounting requirements
170 Ganging and derating
174 Lighting load interfaces
180 Wiring diagrams
196 Glossary
202 Visual index
225 Patents, trademarks and product approvals

Other volumes
Small area and multiple room systems
Integrated solutions for small areas or multiple room

Entire home, building or campus systems
Integrated solutions for whole home, building or campus of buildings

Shading systems
Shade and drapery systems that can function as a standalone shading system, or can be integrated within the above systems

Ballasts, drivers and fixtures
Fluorescent dimming ballasts, LED drivers and complete dimmable lighting fixtures
Basic energy-saving devices

**Switches**

- On = 100% light, 100% energy
- Off = 0% light, 0% energy

**Dimmers**

- All Lutron dimmers save energy. Light level is proportional to energy use. 50% dimmed uses only 60% of the energy—saves 40%.

**Occupancy/vacancy sensors**

- Occupancy/vacancy sensors guarantee energy savings by turning lights off when rooms are unoccupied.

**Daylight sensors**

- As daylight increases in the room, electrical light energy is reduced.
System solutions

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

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

3. Multiple rooms
   - Expand control across multiple rooms—even an entire floor
   - Wireless components and digital devices provide for easy reconfiguration without re-wiring

4. Entire home, building or campus
   - Manage control of daylight and electric light on any scale
   - Homeowners and facility managers can maximize energy efficiency, comfort, convenience and productivity
   - Display and optimize light and energy use across the entire system
New energy-saving products

**New C-L dimmers**

**C-L™ dimmers** offer more reliable dimming performance over standard dimmers when dimming CFLs and LEDs. They also provide full range dimming for incandescent and halogen bulbs as well as mixed loads types.

**Dimmers and switches**

**eco-dim™ dimmer** guarantees at least 15% energy savings compared to a standard switch

**eco-timer switch** includes countdown timer with 30 minute maximum (no “always-on”), automatically turns off fans or lights

**Sensors**

**Radio Powr Savr™** ceiling or wall-mounted wireless occupancy/vacancy sensor eliminates power pack and wiring expense

**Radio Powr Savr™** ceiling mounted wireless daylight sensor

**Maestro® digital dimmer or switch with integrated occupancy/vacancy sensor**

**Wireless single-space controls**

**Maestro Wireless® plug-in modules** for plug-in lamp and appliance loads

**Pico™ Wireless controls** compatible with all Maestro Wireless radio frequency (RF) devices

**Maestro Wireless** 3-wire fluorescent dimmers and 2-wire switches
1. Select your control by style

Color options and available models are detailed in each product family section.

**New Architectural**

- Vierti®
  - Touch slider
  - pg. 14

- Vareo®
  - Big switch
  - little slider
  - pg. 20

- Nova T®
  - Slider
  - pg. 26

- Nova®
  - Slider
  - pg. 34

- Centurion®
  - Rotate
  - pg. 42

**Architectural**

**Designer**

- Maestro®
  - Preset rocker*
  - pg. 46

- Maestro IR®
  - Preset rocker*
  - pg. 60

- Maestro Wireless®
  - Preset rocker*
  - pg. 68

- Spacer System®
  - Preset rocker*
  - pg. 76

- Diva®
  - Big switch
  - little slider
  - pg. 86

- Lyneo® Lx
  - Preset slider
  - pg. 94

- Skylark Contour™
  - Preset slider
  - pg. 100

- Skylark®
  - Preset slider
  - pg. 104

**Traditional**

- Abella®
  - Preset rocker*
  - pg. 114

- Ceana®
  - Preset slider
  - pg. 120

- Ariadnia®
  - Big switch
  - little slider
  - pg. 124

- Glyder®
  - Slider
  - pg. 130

- Rotary
  - Rotate
  - pg. 134

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*Rocker is also referred to as raise/lower
**Also known as Toggler™

- Multi-location dimming—see pg. 8
- Occupancy/vacancy sensor—see pg. 144
- Daylight sensor—see pg. 146
2. Consider the required number of control locations

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

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

b. Control lights from two locations
   Dimming from one location, switching from second location. 3-way dimmer required.

c. Control lights from three or more locations
   Dimming from one location, switching from other locations, 3-way dimmer required.

d. Multi-location dimming
   True dimming from all locations. Multi-location electronic dimmer and companion dimmer(s) required. Indicated by M in selection tables, pg. 8–9, 10–11.

e. Wireless multi-location dimming
   True dimming from all locations, Maestro Wireless® and Pico™ Wireless control(s) required.

Pico wireless mounting options

- Handheld Control
- Wall-Mount (Surface Mount or Wallbox)
- Tabletop Control (Single or Dual Mount Pedestal)
3. Select your model by lighting load type and quantity

Lutron dimmers are designed, tested and UL listed for specific load types up to a maximum capacity. To select a specific dimmer by load type, see pg. 8.

- **Incandescent/halogen lighting (INC)**
  - Excellent color rendering and can dim to off.
  - Loads are quantified in Watts (W).
  - Incandescent/halogen dimmers required.
  - ELV or MLV dimmers can also be used to dim incandescent/halogen.

- **Electronic low-voltage lighting (ELV)**
  - Track and recessed lights typically use electronic low-voltage transformers and halogen low-voltage lamps.
  - Loads are quantified in Watts (W).
  - ELV dimmers are required.

- **Magnetic low-voltage lighting (MLV)**
  - Track and recessed lights can also use magnetic low-voltage transformers and halogen low-voltage lamps.
  - Loads are quantified in Volt-Ampere (VA), combining the total lamp wattage with 20% additional load due to heat losses in the MLV transformer.
  - MLV dimmers are required.

- **Neon-cold cathode lighting (NCC)**
  - Dimming NCC requires a dimmable electronic or magnetic step-up transformer and a matching dimmer.
  - NCC loads are quantified in Watts (W) or Volt-Ampere (VA).
  - NCC is typically dimmable using a Lutron Hi-lume LED driver and a 3-wire fluorescent dimmer with a power interface. See pg. 174 for more information on lighting load interfaces.

- **Fluorescent lighting (FL)**
  - Linear, U-bent, twin-tube and 4-pin compact fluorescent lamps are dimmable when paired with the appropriate electronic dimming ballast.
  - Fluorescent lamp and ballast loads are quantified in Amps (A) and are determined by the specific type and number of ballasts being used.
  - Dimmers must also match the control signal required by the ballast (i.e., 3-wire, 2-wire or 0-10V).
  - For information on Lutron dimming ballasts, see www.lutron.com/ballasts
  - For dimmable screw-base CFL options, see pg. 11A.

- **Light Emitting Diode lighting (LED)**
  - LED light sources are composed of the LED array (lamp module) and a driver which powers the array.
  - Today, there is no common industry standard for rating and control of LED sources.
  - Lutron’s recommended approach to control LED lamp modules is the use of a Lutron Hi-lume LED driver and a 3-wire fluorescent dimmer.
  - Other Lutron approved lamp module/driver combinations can be dimmed with specific Lutron controls.
  - See www.lutron.com/LED for a list of approved fixtures with Lutron drivers and other approved fixture/control combinations.
  - For dimmable screw-base LED bulbs, see pg. 11A.

- For further information on selecting the right lamp type, go to www.lutron.com/bulb.
- Load capacity must be reduced if controls are ganged. For further information on derating, see pg. 170.
### Three. Select your control by load type

**Dimmer capabilities and interface requirements**

<table>
<thead>
<tr>
<th>Description</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatible dimmer (no interface)</td>
<td></td>
</tr>
<tr>
<td>Multi-location—true dimming from each location</td>
<td></td>
</tr>
<tr>
<td>Lighting load interface solutions may be available for additional load types, see pg. 174 for more details</td>
<td></td>
</tr>
</tbody>
</table>

**New Architectural and Architectural style**

<table>
<thead>
<tr>
<th>Style</th>
<th>Vierti® pg. 14</th>
<th>Vareo® pg. 20</th>
<th>Nova T® pg. 26</th>
<th>Nova® pg. 34</th>
<th>Centurion® pg. 42</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Dimmers</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incandescent/halogen</td>
<td>120V</td>
</tr>
<tr>
<td>eco-dim® incandescent/halogen</td>
<td>120V</td>
</tr>
<tr>
<td>eco-minder® incandescent/halogen</td>
<td>120V</td>
</tr>
<tr>
<td>Dimmable CFL/LED (screw-base)</td>
<td>120V</td>
</tr>
<tr>
<td>Magnetic low-voltage</td>
<td>120V, 277V</td>
</tr>
<tr>
<td>Electronic low-voltage</td>
<td>120V, 277V</td>
</tr>
<tr>
<td>Neon/cold cathode</td>
<td>120V, 277V</td>
</tr>
<tr>
<td>LED with Hi-lume® LED driver</td>
<td>120V, 277V</td>
</tr>
<tr>
<td>LED with 0-10V LED driver</td>
<td>120/277V</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimmers for fluorescent ballasts</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-wire: Hi-lume®, Compact SE®</td>
</tr>
<tr>
<td>Hi-lume® 3D, EcoSystem®, Eco-10®</td>
</tr>
<tr>
<td>2-wire: Tu-Wire®</td>
</tr>
<tr>
<td>0-10VDC control</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fan controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quiet</td>
</tr>
<tr>
<td>Fully variable</td>
</tr>
<tr>
<td>Fan/light</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Switches and timers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Electronic switch</td>
</tr>
<tr>
<td>Mechanical switch</td>
</tr>
<tr>
<td>Countdown timer switch</td>
</tr>
<tr>
<td>eco-timer switch</td>
</tr>
</tbody>
</table>
## Designer style

<table>
<thead>
<tr>
<th>Maestro®</th>
<th>Maestro IR®</th>
<th>Maestro Wireless®</th>
<th>Spacer System®</th>
<th>Diva®</th>
<th>Lyneo® Lx</th>
<th>Skylark Contour™</th>
<th>Skylark®</th>
</tr>
</thead>
<tbody>
<tr>
<td>pg. 46</td>
<td>pg. 60</td>
<td>pg. 68</td>
<td>pg. 76</td>
<td>pg. 86</td>
<td>pg. 94</td>
<td>pg. 100</td>
<td>pg. 104</td>
</tr>
</tbody>
</table>

![Table of Designer style features]

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[www.lutron.com]  | 1.800.523.9466  | [©LUTRON]
3. Select your control by load type

### Dimmer capabilities and interface requirements

- **Compatible dimmer (no interface)**
- **Multi-location—true dimming from each location**
- **Lighting load interface solutions may be available for additional load types, see pg. 174 for more details**

<table>
<thead>
<tr>
<th>Dimmers</th>
<th>Voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Incandescent/halogen</td>
<td>120V</td>
</tr>
<tr>
<td>eco-dim® icandescent/halogen</td>
<td>120V</td>
</tr>
<tr>
<td>eco-minder™ incandescent/halogen</td>
<td>120V</td>
</tr>
<tr>
<td>Dimmable CFL/LED (screw-base)</td>
<td>120V</td>
</tr>
<tr>
<td>Magnetic low-voltage</td>
<td>120V</td>
</tr>
<tr>
<td></td>
<td>277V</td>
</tr>
<tr>
<td>Electronic low-voltage</td>
<td>120V</td>
</tr>
<tr>
<td></td>
<td>277V</td>
</tr>
<tr>
<td>Neon/cold cathode</td>
<td>120V</td>
</tr>
<tr>
<td>LED with Hi-lume® LED driver</td>
<td>120V</td>
</tr>
<tr>
<td></td>
<td>277V</td>
</tr>
<tr>
<td>LED with 0-10 V LED driver</td>
<td>120/277V</td>
</tr>
</tbody>
</table>

### Dimmers for fluorescent ballasts

- **3-wire: Hi-lume®, Compact SE™, Hi-lume® 3D, EcoSystem®, Eco-10®** | 120V |
- **2-wire: Tu-Wire®** | 120V |
- **0-10 VDC control** | 120/277V |

### Fan controls

- **Quiet** | 120V |
- **Fully variable** | 120V |
- **Fan/light** | 120V |

### Switches and timers

- **Electronic switch** | 120V |
| | 277V |
- **Mechanical switch** | 120V |
| | 277V |
- **Countdown timer switch** | 120V |
- **eco-timer switch** | 120V |
<table>
<thead>
<tr>
<th>Sensor dimmers and switches</th>
<th>Wireless occupancy/vacancy sensors¹</th>
<th>Daylight sensors¹</th>
<th>Lamp dimmers</th>
<th>Wireless lamp dimmers</th>
<th>Wireless lamp/appliance modules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maestro occupancy/vacancy sensors pg. 140</td>
<td>Radio Powr Savr™ pg. 144</td>
<td>Radio Powr Savr pg. 146</td>
<td>Credenza® pg. 139</td>
<td>Attaché® pg. 139</td>
<td>Maestro® wireless pg. 70</td>
</tr>
</tbody>
</table>

**  

¹Radio Powr Savr now works with Maestro Wireless® dimmers or switches as indicated  
²LOS series available, see pg. 140  
²²Switching model only
4. Additional selection considerations

**Ganging and derating**
Ganging is the mounting of two or more dimmers or accessory devices side-by-side under a multi-gang wallplate. When you combine two or more dimmers, you may need to derate the power rating and remove a portion of the dimmer beneath the wallplate. See pg. 170 for details.

**Lighting load interfaces**
To dim larger loads on a single dimmer, you can use a power interface. Interfaces require 3-wire dimmers and may require additional power feeds from distribution panels. See pg. 174 for details.

**Dimmable Compact Fluorescent (CFL) and LED bulbs (screw-base)**
Dimmable CFL and LED lamps offer energy efficiency and long life. C-L™ dimmers are UL listed for controlling a broad range of dimmable CFLs and LEDs. They offer more reliable dimming performance over standard dimmers when dimming CFLs and LEDs.

CFL and LED loads are quantified in Watts (W). Lutron offers dimmers designed specifically for dimmable CFL and LED lighting loads. See Diva® (pg. 86), Skylark Contour™ (pg. 100) and Credenza® (pg. 138) families for available models.
For a complete list of approved bulbs visit our web site, www.lutron.com/dimcflled.
Product families are organized by wallplate opening style.

Within each family section are:

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

Customize solutions that are right for you.
Product family sections by wallplate opening style

<table>
<thead>
<tr>
<th>New Architectural product families</th>
<th>pg. 14</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Exclusive New Architectural style opening with squared edges</td>
<td></td>
</tr>
<tr>
<td>• Coordinates with New Architectural wallplates and Architectural accessories</td>
<td></td>
</tr>
<tr>
<td>• Single-gang wallplate included with control</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Architectural product families</th>
<th>pg. 20</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Architectural style opening with squared edges</td>
<td></td>
</tr>
<tr>
<td>• Coordinates with Architectural wallplates and Architectural accessories</td>
<td></td>
</tr>
<tr>
<td>• Single-gang wallplate included with control</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Designer product families</th>
<th>pg. 46</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Designer style opening with rounded edges to match Designer style controls</td>
<td></td>
</tr>
<tr>
<td>• Coordinates with Claro/Satin Colors® wallplates and accessories</td>
<td></td>
</tr>
<tr>
<td>• Controls fit standard Designer opening wallplates</td>
<td></td>
</tr>
<tr>
<td>• Wallplates available separately</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Traditional product families</th>
<th>pg. 114</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Traditional style opening with rounded edges to match standard toggle switches</td>
<td></td>
</tr>
<tr>
<td>• Coordinates with Fassada® style wallplates and Claro/Satin Colors accessories</td>
<td></td>
</tr>
<tr>
<td>• Wallplates available separately</td>
<td></td>
</tr>
</tbody>
</table>
Shown actual size: Vierti dimmer in Black (BL) with White (WH) LED bar shown.
1-gang New Architectural wallplate in Satin Nickel (SN).

Product family features
- True multi-location dimming from each location
- Touch LED bar to adjust light to suit any activity
- On/off touch switch returns light to your favorite level
- Audible feedback confirms user touch
- LEDs indicate light level, even in a dark room
- Programming allows customized functions
- Line frequency compensation maintains stable light levels, despite power line frequency and voltage variations
- Mechanical air-gap to disconnect load power
- 100% factory tested
- Rugged components protect against damage due to line surges
- Coordinating wallplate included with Architectural matte finish controls, metal wallplates only available separately
- Custom engraving and custom coloring available for wallplates, see pg. 155

Control types
- Single-pole (one location)
- Multi-location dimming (up to five locations)

Direct load type compatibility
- Incandescent/halogen dimming
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- Fluorescent lighting
- LED lighting

Load types requiring load interface
Lighting load interfaces may be applicable for some load type, voltage and capacity combinations. For additional information, see pg. 174.
Available finishes

Use **BOLD** color code in model number  (Example: VT-600-[**W**-**GR**])

Architectural matte finishes*

<table>
<thead>
<tr>
<th>WH</th>
<th>LA</th>
<th>AL</th>
<th>BE</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Light Almond</td>
<td>Almond</td>
<td>Beige</td>
</tr>
</tbody>
</table>

LED bar colors

<table>
<thead>
<tr>
<th>B</th>
<th>W</th>
<th>G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>White</td>
<td>Green</td>
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</table>

Architectural metal finish wallplates**

<table>
<thead>
<tr>
<th>BN</th>
<th>BC</th>
<th>CLA</th>
<th>SC</th>
<th>SN</th>
<th>QZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright Nickel</td>
<td>Bright Chrome</td>
<td>Clear Anodized Aluminum</td>
<td>Satin Chrome</td>
<td>Satin Nickel</td>
<td>Antique Bronze</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BB</th>
<th>BRA</th>
<th>SB</th>
<th>QB</th>
<th>BLA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bright Brass</td>
<td>Brass Anodized Aluminum</td>
<td>Satin Brass</td>
<td>Antique Brass</td>
<td>Black Anodized Aluminum</td>
</tr>
</tbody>
</table>

*Coordinating wallplate included with Architectural matte controls.

**Metal finish wallplates only available separately and include black plastic trim/adapter, visible from side. Match with separate Black (BL) controls. For wallplate information, see pg. 148.
## Dimmers and switches

### Single-touch dimmers
- Touch switch turns on/off
- Touch LED bar to brighten and dim
- Audible feedback confirms the LED bar was touched
- Allows multi-location dimming with Vierti companion dimmers
- Dimmer advanced programming options are available

### Electronic switches
- Touch switch turns on/off
- Audible feedback confirms the LED bar was touched
- For multi-location switching use Vierti companion switches
- Advanced programming options are available

## Companion dimmers and switches

### Companion dimmers
- Use up to four companion dimmers with one Vierti multi-location dimmer
- Provides true dimming from each location
- Use standard 3-way wiring for easy installation

### Companion switches
- Use up to four companion switches with one Vierti multi-location switch
- Use standard 3-way wiring for easy installation

## Advanced programming features include:

- Setting the high-end/low-end trims (dimmers only)
- Adjusting LED brightness (dimmers and switches)
- Adjusting fade on/fade off time (dimmers only)
- Audible feedback sound on/off (dimmers and switches)
- Delayed fade wait time (dimmers only)
- Locked preset lighting level (dimmers only)

Vierti advanced programming manual (Application Note #205) is available at [www.lutron.com/applicationnotes](http://www.lutron.com/applicationnotes).
Connections overview

Load connections*

- Incandescent/Halogen
- Magnetic Low-Voltage
- Electronic Low-Voltage
- Fluorescent Lighting
- LED
- Switched Lighting/Fans

Control types (for 2 or more locations)
Dim from multiple-locations (up to 5)

- Lighting Load
- Multi-Location Dimmer
- Up to 4 Companion Dimmers

Switch from multiple-locations (up to 5)

- Lighting Load
- Multi-Location Switch
- Up to 4 Companion Switches

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

#### Incandescent/halogen and/or Magnetic low-voltage dimmers

<table>
<thead>
<tr>
<th>Single-touch dimmer</th>
<th>VT-600\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120 V  600 W/VA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>VT-600M\textsuperscript{D}, AA\textsuperscript{2}</td>
<td>120 V  600 W/VA</td>
</tr>
<tr>
<td>Multi-location/single-pole</td>
<td>VT-1000M\textsuperscript{D}, AA\textsuperscript{2}</td>
<td>120 V  1000 W/VA</td>
</tr>
</tbody>
</table>

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

#### Electronic low-voltage dimmers\footnote{requires neutral wire connection}

<table>
<thead>
<tr>
<th>Single-touch dimmer</th>
<th>VTELV-600M\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120 V  600 W</th>
</tr>
</thead>
</table>

Only certain LED drivers are dimmable using an ELV dimmer, for more information visit [www.lutron.com/LED](http://www.lutron.com/LED).

#### 3-wire fluorescent dimmers\footnote{requires neutral wire connection}

<table>
<thead>
<tr>
<th>Single-touch dimmer</th>
<th>VTF-6AM\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120/277 V  6 A</th>
</tr>
</thead>
</table>

For use with Hi-lume\textsuperscript{®}, Hi-lume\textsuperscript{®} Compact SE, Hi-lume\textsuperscript{®} 3D, Eco-10\textsuperscript{®}, EcoSystem\textsuperscript{®} ballasts. Adjustable high-end and low-end trim.

#### Hi-lume\textsuperscript{®} LED drivers:

<table>
<thead>
<tr>
<th>Single-touch dimmer</th>
<th>VTF-6AM\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120/277 V  6 A</th>
</tr>
</thead>
</table>

Adjustable high-end and low-end trim. Exclusively compatible with Hi-lume LED driver. For more information on Hi-lume LED drivers, visit [www.lutron.com/HilumeLED](http://www.lutron.com/HilumeLED).

### Switch and companion control model numbers

#### Switches\footnote{requires neutral wire connection}

<table>
<thead>
<tr>
<th>Single-touch electronic switch</th>
<th>VT-S6AMUNV\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120 V  6 A light or 3 A fan 277 V  6 A light</th>
</tr>
</thead>
</table>

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, non-dim fluorescent ballasts, general purpose fans and most non-dim LED drivers.

For multi-location switching, use with Vierti multi-location companion switches VT-AS\textsuperscript{D}, AA\textsuperscript{2}.

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

#### Companion controls

<table>
<thead>
<tr>
<th>Single-touch companion dimmer</th>
<th>VT-AD\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120/277 V</th>
</tr>
</thead>
</table>

No derating required if ganged.

<table>
<thead>
<tr>
<th>Single-touch companion switch</th>
<th>VT-AS\textsuperscript{D}, AA\textsuperscript{2}</th>
<th>120 V</th>
</tr>
</thead>
</table>

No derating required if ganged.

### Additional Information

[D]: LED bar color codes, see pg. 15
[AA]: Architectural matte color codes, see pg. 15 (1-gang wallplate included)

For more information on ballasts, visit [www.lutron.com/ballasts](http://www.lutron.com/ballasts).

All models must be derated if ganged, unless otherwise noted, see pg. 170.

\footnote{Requires neutral wire connection}
Accessories

Wallplates

Shown actual size: 2-gang New Architectural wallplate in White (WH).
For more information about New Architectural wallplates, see pg. 148.

Coordinated electrical devices

For more information about coordinated Architectural electrical devices, see pg. 156.

Tamper resistant GFCI receptacle

Customizable 6-port frame

Cable jack
Product family features

• Exclusive dimmer/switch size opening
• Tapswitch returns light to slider position
• Slide adjusts light to suit any activity
• Sophisticated thin profile
• Use “no fins broken” wallplates for full wattage capacity in multi-gang applications
• Voltage compensation maintains stable light levels, despite line voltage variations
• Mechanical air-gap to disconnect load power
• 100% factory tested
• Coordinating wallplate included with Architectural matte finish controls, metal wallplates only available separately
• Custom engraving and custom coloring available for wallplates, see pg. 155

Control types

- Single-pole (one location)
- Multi-location switching only (up to ten locations)

Direct load type compatibility

- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Fluorescent lighting
- LED lighting

Load types 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 pg. 174.
Available finishes

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

Architectural matte finishes*

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH</td>
<td>White</td>
</tr>
<tr>
<td>LA</td>
<td>Light Almond</td>
</tr>
<tr>
<td>AL</td>
<td>Almond</td>
</tr>
<tr>
<td>BE</td>
<td>Beige</td>
</tr>
<tr>
<td>IV</td>
<td>Ivory</td>
</tr>
<tr>
<td>TP</td>
<td>Taupe</td>
</tr>
<tr>
<td>GR</td>
<td>Gray</td>
</tr>
<tr>
<td>SI</td>
<td>Sienna</td>
</tr>
<tr>
<td>BR</td>
<td>Brown</td>
</tr>
<tr>
<td>BL</td>
<td>Black</td>
</tr>
</tbody>
</table>

Architectural metal finish wallplates**

<table>
<thead>
<tr>
<th>Color Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BN</td>
<td>Bright Nickel</td>
</tr>
<tr>
<td>BC</td>
<td>Bright Chrome</td>
</tr>
<tr>
<td>CLA</td>
<td>Clear Anodized Aluminum</td>
</tr>
<tr>
<td>SC</td>
<td>Satin Chrome</td>
</tr>
<tr>
<td>SN</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>QZ</td>
<td>Antique Bronze</td>
</tr>
<tr>
<td>AU</td>
<td>Gold Plated</td>
</tr>
<tr>
<td>BB</td>
<td>Bright Brass</td>
</tr>
<tr>
<td>BRA</td>
<td>Brass Anodized Aluminum</td>
</tr>
<tr>
<td>SB</td>
<td>Satin Brass</td>
</tr>
<tr>
<td>QB</td>
<td>Antique Brass</td>
</tr>
<tr>
<td>BLA</td>
<td>Black Anodized Aluminum</td>
</tr>
</tbody>
</table>

*Coordinating wallplate included with Architectural matte controls.

**Metal finish wallplates only available separately and include black plastic trim/adapter, visible from side. Match with separate Black (BL) controls. For wallplate information, see pg. 152.
Dimmers

Presets dimmers
• Tapswitch turns on/off
• Slide up to brighten; down to dim
• Includes hidden locator light in White, Beige, Ivory and Taupe models only

Switches and auxiliary tapswitches

Tapswitches
• Tapswitch turns lights on/off

Tapswitches with status light
• Tapswitch turns lights on/off
• Includes status light

Auxiliary tapswitches
• Tapswitch turns lights on/off
Connections overview

Load connections*

- **Incandescent/Halogen**
- **Magnetic Low-Voltage**
- **Fluorescent Lighting**
- **LED**
- **Switched Lighting/Fans**

MLV Transformer (by others)

- **Incandescent/Halogen/MLV Dimmer**
- **Fluorescent Dimmer**
- **Fluorescent Dimmer (3-wire only)**
- **Switch**

Control types (for 2 or more locations)
Dim from 1 location, switch from the others (up to 10)

Light Source - Dimmer or Tapswitch - Up to 9 Auxiliary Tapswitches

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

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

- **Incandescent/halogen and/or Magnetic low-voltage dimmers**
  - Preset dimmers
    - Multi-location/single-pole V-600-A\textsuperscript{2}
      120 V 600 W/VA
    - Multi-location/single-pole V-1000-A\textsuperscript{2}
      120 V 1000 W/VA
  
  The stated W (Watt) rating is the maximum incandescent lamp load. Ratings for MLV loads represent the maximum of the total lamp wattage plus MLV transformer loss (typically 20%).

- **3-wire fluorescent dimmer\***
  - Preset dimmer
    - Multi-location/single-pole VF-10-A\textsuperscript{2}
      120 V 8 A
  
  For use with Hi-lume®, Hi-lume® Compact SE, Hi-lume® 3D, Eco-10®, EcoSystem® ballasts.
  
  No derating required if ganged.
  
  Adjustable low-end and high-end trim.

- **Hi-lume® LED drivers: 3-wire fluorescent dimmer\***
  - Preset dimmer
    - Multi-location/single-pole VF-10-A\textsuperscript{2}
      120 V 8 A
  
  To control lights from multiple-locations, use Vareo® auxiliary electronic tapswitches, VETS-R-.
  
  Not for use with mechanical 3-way or 4-way switches.
  
  Adjustable high-end and low-end trim.

For more information on Lutron ballasts, visit [www.lutron.com/ballasts](http://www.lutron.com/ballasts).
For more information on Hi-lume LED drivers, visit [www.lutron.com/HilumeLED](http://www.lutron.com/HilumeLED).
All models must be derated in standard ganging unless otherwise noted, see pg. 170.

\*Requires neutral wire connection.

**Switch and auxiliary tapswitch model numbers**

- **Switches**
  - **Tapswitch**
    - Multi-location/single-pole VETS-1000-A\textsuperscript{2}
      120 V 1000 W/VA
  
  - **Tapswitch with locator light\***
    - Multi-location/single-pole VETS-1000-SL-A\textsuperscript{2}
      120 V 1000 W/VA
  
  Rated for: incandescent/halogen, magnetic low-voltage, fluorescent switching with magnetic ballasts.

- **Tapswitch\***
  - Multi-location/single-pole VETN-1000-A\textsuperscript{2}
    120 V 1000 W/VA

  Rated for: electronic low-voltage, fluorescent switching with electronic ballasts and most non-dim LED drivers.

- **Auxiliary tapswitches**
  - **Auxiliary tapswitch**
    - 120 V VETS-R-A\textsuperscript{2}
  
  For multi-location switching, use up to nine auxiliary tapswitches, except with VETS-1000-SL- model.
  
  Not for use with mechanical 3-way or 4-way switches.

  **Auxiliary tapswitch with status light**
  - 120 V VETS-A-SL-A\textsuperscript{2}
  
  For multi-location switching, use up to four VETS-A-SL- with one VETS-1000-SL- model.
  
  Not for use with VETS-R- or mechanical 3-way or 4-way switches.


A\textsuperscript{2}: Architectural matte color codes, see pg. 21
(1-gang wallplate included)
Accessories

Wallplates

Shown actual size: 2-gang Architectural wallplate in White (WH).
For more information about Architectural wallplates, see pg. 152.

Coordinated electrical devices

For more information about coordinated Architectural electrical devices, see pg. 156.

Tamper resistant GFCI receptacle
Customizable 6-port frame
Cable jack
**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
- Mechanical air-gap to disconnect load power
- 100% factory tested
- Coordinating wallplate included with Architectural matte finish controls, metal wallplates only available separately
- Custom engraving and custom coloring available for wallplates, see pg. 155

**Control types**

- Single-pole (one location)
- 3-way or 4-way (two or more locations)
- Two-location dimming only (Omnislidem)

**Direct load type compatibility**

- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- Fluorescent lighting
- LED lighting
- Ceiling fans
- Motorized window treatments (AC)

**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 pg. 174.
Available finishes

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

Architectural matte finishes*

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

Architectural metal finish wallplates**

- **BN** Bright Nickel
- **BC** Bright Chrome
- **CLA** Clear Anodized Aluminum
- **SC** Satin Chrome
- **SN** Satin Nickel
- **QZ** Antique Bronze
- **AU** Gold Plated
- **BB** Bright Brass
- **BRA** Brass Anodized Aluminum
- **SB** Satin Brass
- **QB** Antique Brass
- **BLA** Black Anodized Aluminum

*Coordinating wallplate included with Architectural matte controls.

**Metal finish wallplates only available separately and include black plastic trim/adapter, visible from side. Match with separate Black (BL) controls. For wallplate information, see pg. 152.
Dimmers

**Slide-to-off dimmers/single-pole**
- Slide up to brighten; down to dim
- Standard size dimmer shown
- Higher capacity loads require large controls, see below

**Preset dimmers/3-way**
- Button turns on/off to slider level
- Slide up to brighten; down to dim
- Higher capacity loads require large controls, see below

**Omnislide two-location slide-to-off dimmers**
- Slide up to brighten; down to dim
- Provides true dimming from both locations

Switches and fan controls

**Linear-slide switches**
- Slide up to on; down to off

**Slide-to-off fan controls**
- Slide up to increase speed/on; down to decrease speed/off
- Quiet 3-speed available for use with one paddle fan, or fully variable available for use with multiple paddle or exhaust fans
- Quiet 3-speed model designed to prevent motor hum
- Higher capacity loads require large controls, see below

**Large Control**
- Higher capacity dimmers require larger heat sink behind wallplate
- Large controls available as preset dimmer, slide-to-off dimmer or fan control
- Large control measures 4.56 in x 4.56 in
- Requires large wallplate
- Most can fit in a 1-gang electrical backbox
**Connections overview**

### Load connections*

<table>
<thead>
<tr>
<th>Light Source</th>
<th>Magnetic Low-Voltage</th>
<th>Electronic Low-Voltage</th>
<th>Fluorescent Lighting</th>
<th>LED</th>
<th>Switched Lighting/Fans</th>
<th>Ceiling Fan</th>
<th>AC Motorized Window Treatment</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Incandescent/Halogen</strong></td>
<td><strong>MLV Transformer (by others)</strong></td>
<td><strong>ELV Transformer (by others)</strong></td>
<td><strong>Lutron® Dimming Ballasts</strong></td>
<td><strong>Lutron Hi-lume® LED Driver</strong></td>
<td><strong>Switch</strong></td>
<td><strong>Fan Control</strong></td>
<td><strong>Double Pole/Double Throw Switch</strong></td>
</tr>
<tr>
<td><strong>Incandescent/Halogen Dimmer</strong></td>
<td><strong>MLV Dimmer</strong></td>
<td><strong>ELV Dimmer</strong></td>
<td><strong>Fluorescent Dimmer</strong></td>
<td><strong>Fluorescent Dimmer (3-wire only)</strong></td>
<td><strong>Switch</strong></td>
<td><strong>Fan Control</strong></td>
<td><strong>Double Pole/Double Throw Switch</strong></td>
</tr>
</tbody>
</table>

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

**Dim from two locations (Incandescent/halogen only)**

- Light Source
- Omnislide Two Location Dimmer
- Omnislide Companion Dimmer

**Dim from one location, switch from the others**

- Light Source
- 3-way Dimmer
- 3-way Switch
- Light Source
- 3-way Dimmer
- 4-way Switch (1 or more)
- 3-way Switch

---

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

For more information on ballasts, visit [www.lutron.com/ballasts](http://www.lutron.com/ballasts).

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

---

![Nova T® dimmers, switches and fan controls](image)
Dimmer model numbers

**Incandescent/halogen dimmers**
*(small and large controls)*

<table>
<thead>
<tr>
<th>Model Details</th>
<th>Code</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole (small)</td>
<td>NT-600- AA²</td>
<td>120 V 600 W</td>
</tr>
<tr>
<td>Single-pole (small)</td>
<td>NT-1000- AA²</td>
<td>120 V 1000 W</td>
</tr>
<tr>
<td>Single-pole (large)</td>
<td>NT-1500- AA²</td>
<td>120 V 1500 W</td>
</tr>
<tr>
<td>Single-pole (large)</td>
<td>NT-2000- AA²</td>
<td>120 V 1920 W</td>
</tr>
</tbody>
</table>

NT-2000 dimmers must be ganged with no fins broken. See ganging and derating on pg. 170 for further information.

NT-2000 requires a 2-gang electrical backbox.

**Omnislide two-location slide-to-off dimmers**

<table>
<thead>
<tr>
<th>Model Details</th>
<th>Code</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base unit (small)</td>
<td>NTB-600- AA²</td>
<td>120 V 600 W</td>
</tr>
<tr>
<td>Base unit (small)</td>
<td>NTB-1000- AA²</td>
<td>120 V 1000 W</td>
</tr>
<tr>
<td>Auxiliary unit (use with base unit)</td>
<td>NTA-2- AA²</td>
<td></td>
</tr>
</tbody>
</table>

For two-location incandescent/halogen dimming, use one base unit (NTB-600- or NTB-1000-) with one auxiliary unit (NTA-2-).

**Preset dimmers**

<table>
<thead>
<tr>
<th>Model Details</th>
<th>Code</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-way/single-pole (small)</td>
<td>NT-603P- AA²</td>
<td>120 V 600 W</td>
</tr>
<tr>
<td>3-way/single-pole (small)</td>
<td>NT-1003P- AA²</td>
<td>120 V 1000 W</td>
</tr>
<tr>
<td>3-way/single-pole (large)</td>
<td>NT-1503P- AA²</td>
<td>120 V 1500 W</td>
</tr>
</tbody>
</table>

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**
*(small and large controls)*

<table>
<thead>
<tr>
<th>Model Details</th>
<th>Code</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole (small)</td>
<td>NTLV-600- AA²</td>
<td>120 V 600 VA (450 W)</td>
</tr>
<tr>
<td>Single-pole (small)</td>
<td>NTLV-1000- AA²</td>
<td>120 V 1000 VA (800 W)</td>
</tr>
<tr>
<td>Single-pole (small)*</td>
<td>NTLV-600-277- AA²</td>
<td>277 V 600 VA (450 W)</td>
</tr>
<tr>
<td>Single-pole (small)*</td>
<td>NTLV-1000-277- AA²</td>
<td>277 V 1000 VA (800 W)</td>
</tr>
<tr>
<td>Single-pole (large)</td>
<td>NTLV-1500- AA²</td>
<td>1500 VA (1200 W)</td>
</tr>
</tbody>
</table>

Presets

<table>
<thead>
<tr>
<th>Model Details</th>
<th>Code</th>
<th>Ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-way/single-pole (small)</td>
<td>NTLV-603P- AA²</td>
<td>120 V 600 VA (450 W)</td>
</tr>
<tr>
<td>3-way/single-pole (small)</td>
<td>NTLV-1003P- AA²</td>
<td>120 V 1000 VA (800 W)</td>
</tr>
<tr>
<td>3-way/single-pole (large)</td>
<td>NTLV-1503P- AA²</td>
<td>120 V 1500 VA (1200 W)</td>
</tr>
</tbody>
</table>

All models must be derated in standard ganging unless otherwise noted, see pg. 170.
*Requires neutral wire connection.
### Dimmer model numbers

#### Electronic low-voltage dimmers*

- **Slide-to-off dimmers**
  - Single-pole: NTELV-300-\(\text{AA}^2\)
    - 120 V, 300 W
  - Single-pole: NTELV-600-\(\text{AA}^2\)
    - 120 V, 600 W

Only certain LED drivers are dimmable using an ELV dimmer, for more information visit [www.lutron.com/LED](http://www.lutron.com/LED).

#### 3-wire fluorescent dimmers*

- **Slide-to-off dimmers**
  - Single-pole: NTF-10-\(\text{AA}^2\)
    - 120 V, 16 A
  - Single-pole: NTF-10-277-\(\text{AA}^2\)
    - 277 V, 8 A

- **Preset dimmers**
  - 3-way: NTF-103P-\(\text{AA}^2\)
    - 120 V, 8 A
  - 3-way: NTF-103P-277-\(\text{AA}^2\)
    - 277 V, 6 A

For use with Hi-lume®, Hi-lume® Compact SE, Hi-lumes 3D, Eco-10®, EcoSystem® ballasts.

Also compatible with Hi-lume® LED driver.

No derating required if ganged.

Adjustable low-end trim.

#### 0-10 V dimmer (current sink control)

- **Slide-to-off dimmer**
  - Single-pole: NTFTV-\(\text{AA}^2\)
    - 30 mA max control current

Control provides dimming signal only. For dimming with on/off switching, use with Lutron PowerPack: PP-120H, PP-277H or PP-347H.

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

For information on using Lutron dimmers to control: Advance Mark VII dimming ballasts, visit [www.lutron.com/advance](http://www.lutron.com/advance); Universal dimming ballasts, visit [www.lutron.com/universal](http://www.lutron.com/universal).

No derating required if ganged.

#### Tu-Wire® fluorescent dimmers

- **Slide-to-off dimmers**
  - Single-pole: NTFTU-5A-\(\text{AA}^2\)
    - 120 V, 5 A
  - Single-pole: NTFTU-5A-277-\(\text{AA}^2\)
    - 277 V, 5 A

Also compatible with Advance Mark X ballasts, for further information visit [www.lutron.com/advance](http://www.lutron.com/advance).

For information on use with Universal and OSRAM ballasts, contact Technical Support at 1.800.523.9466.

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\(\text{AA}^2\): Architectural matte color codes, see pg. 27 (1-gang wallplate included)

---

*Requires neutral wire connection.
### Dimmer model numbers

#### Hi-lume® LED drivers:
**3-wire fluorescent dimmers** *(small controls)*

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>NTF-10-AA²</td>
<td>120 V 16 A</td>
</tr>
<tr>
<td>Single-pole</td>
<td>NTF-10-277-AA²</td>
<td>277 V 8 A</td>
</tr>
<tr>
<td>Preset dimmers</td>
<td>NTF-103P-AA²</td>
<td>120 V 8 A</td>
</tr>
<tr>
<td>3-way/single-pole</td>
<td>NTF-103P-277-AA²</td>
<td>277 V 6 A</td>
</tr>
</tbody>
</table>

Exclusively compatible with Hi-lume LED driver.

For more information on Hi-lume LED drivers, visit [www.lutron.com/HilumeLED](http://www.lutron.com/HilumeLED).

#### 0-10 V LED drivers:
**0-10 V dimmers** *(current sink control)* *(small controls)*

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
<td>NTFTV-AA²</td>
<td>120 V 6 A</td>
</tr>
</tbody>
</table>

Control provides dimming signal only. For dimming with on/off switching, use with Lutron PowerPack: PP-120H, PP-277H or PP-347H.

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

For compatible 0-10 V LED drivers by others, visit [www.lutron.com/LED](http://www.lutron.com/LED).

No derating required if ganged.

#### Fan control and switch model numbers

#### Fan controls
*(small and large controls)*

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slide-to-off fan control — quiet 3-speed</td>
<td>NTFSQ-AA²</td>
<td>120 V 1.5 A</td>
</tr>
<tr>
<td>Single-pole fan control (small)</td>
<td>NTFS-6E-AA²</td>
<td>120 V 6 A</td>
</tr>
<tr>
<td>Single-pole fan control (large)</td>
<td>NTFS-12E-AA²</td>
<td>120 V 12 A</td>
</tr>
</tbody>
</table>

For use with only one ceiling fan.

No derating required if ganged.

#### Slides-to-off fan controls — fully variable

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole fan control (small)</td>
<td>NTFS-6E-AA²</td>
<td>120 V 6 A</td>
</tr>
</tbody>
</table>

For 3-way and 4-way switching, use NT-3PS-, NT-4PS- or other mechanical switches.

No derating required if ganged.

#### Switches
*(small controls)*

<table>
<thead>
<tr>
<th>Type</th>
<th>Model</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>General purpose switches — all load types</td>
<td>NT-1PS-AA²</td>
<td>120/277 V 20 A</td>
</tr>
<tr>
<td>Single-pole</td>
<td>NT-3PS-AA²</td>
<td>120/277 V 20 A</td>
</tr>
<tr>
<td>Single-pole</td>
<td>NT-4PS-AA²</td>
<td>120/277 V 20 A</td>
</tr>
</tbody>
</table>

| Momentary contact | NT-DPDT-CO-MO-AA² | 120/277 V 30 A; 2 HP @ 120/240 VAC |
| Maintained contact | NT-DPDT-CO-MA-AA² | 120/277 V 15 A; 1/2 HP @ 120 VAC; 2 HP @ 240 VAC |

For 3-way and 4-way switching, use NT-3PS-, NT-4PS- or other mechanical switches.

No derating required if ganged.

---

**AA²:** Architectural matte color codes, see pg. 27 (1-gang wallplate included)

*Requires neutral wire connection.
Wallplates

Shown actual size: 2-gang Architectural wallplate in White (WH).
For more information about Architectural wallplates, see pg. 152.

Coordinated electrical devices

Tamper resistant GFCI receptacle
Customizable 6-port frame
Cable jack

For more information about coordinated Architectural electrical devices, see pg. 156.
Product family features

- Slide adjusts light to suit any activity
- Full family of controls plus matching fan controls, switches and wiring devices
- Does not mount with Nova T® under common wallplate
- Voltage compensation maintains stable light levels, despite line voltage variations
- Mechanical air-gap to disconnect load power
- 100% factory tested
- Original thick profile does not fit flush against the wall, for thinner profile, see Nova T® on pg. 26
- Coordinating wallplate included
- Custom engraving and custom coloring available for wallplates, see pg. 155

Control types

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

Direct load type compatibility

- Incandescent/halogen lighting
- Magnetic low-voltage lighting
- Electronic low-voltage lighting
- Neon/cold cathode lighting
- Fluorescent lighting
- LED lighting
- Ceiling fans

Load types requiring load interface

Lighting load interfaces may be applicable for some load type, voltage and capacity combinations.
For additional information, see pg. 174.
**Available finishes**

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

Architectural matte finishes*

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

*Coordinating wallplate included with Architectural matte controls.
**Dimmers**

**Slide-to-off dimmers/single-pole**
- Slide up to brighten; down to dim
- Standard size dimmer shown
- Higher capacity loads require large controls, see below

**Preset dimmers/3-way**
- Slider button turns lights on/off
- Slide up to brighten; down to dim
- Standard size dimmer shown
- Higher capacity loads require large controls, see below

**Slide-to-off fan controls**
- Slide up to on/increase speed; down to decrease speed/off
- Fully variable control for use with multiple ceiling paddle fans or exhaust fans
- Standard size fan control shown
- Higher capacity loads require large controls, see below

**Switches and fan controls**

**Linear-slide switches**
- Slide up to on; down to off

**Slide-to-off fan controls**
- Slide up to on/increase speed; down to decrease speed/off
- Fully variable control for use with multiple ceiling paddle fans or exhaust fans
- Standard size fan control shown
- Higher capacity loads require large controls, see below

**Large control**
- Higher capacity dimmers require larger heat sink behind wallplate
- Large controls available as preset dimmer, slide-to-off dimmer or fan control
- Large control measures 4.56 in x 4.56 in
- Requires large wallplate
- Most can fit in a 1-gang electrical backbox
Connections overview

Load connections*

<table>
<thead>
<tr>
<th>Light Source</th>
<th>3-way Dimmer</th>
<th>3-way Switch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light Source</td>
<td>3-way Dimmer</td>
<td>4-way Switch (1 or more)</td>
</tr>
</tbody>
</table>

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

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

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

### Incandescent/halogen dimmers
*(small and large controls)*

<table>
<thead>
<tr>
<th>Slide-to-off dimmers</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole (small)</td>
<td>N-600-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 600 W</td>
<td></td>
</tr>
<tr>
<td>Single-pole (small)</td>
<td>N-1000-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 1000 W</td>
<td></td>
</tr>
<tr>
<td>Single-pole (large)</td>
<td>N-1500-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 1500 W</td>
<td></td>
</tr>
<tr>
<td>Single-pole (large)</td>
<td>N-2000-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 2000 W</td>
<td></td>
</tr>
</tbody>
</table>

### Preset dimmers

<table>
<thead>
<tr>
<th>3-way/single-pole (small)</th>
<th>N-603P-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V 600 W</td>
<td></td>
</tr>
<tr>
<td>3-way/single-pole (small)</td>
<td>N-1003P-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 1000 W</td>
<td></td>
</tr>
<tr>
<td>3-way/single-pole (large)</td>
<td>N-1503P-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 1500 W</td>
<td></td>
</tr>
<tr>
<td>3-way/single-pole (large)</td>
<td>N-2003P-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120 V 2000 W</td>
<td></td>
</tr>
</tbody>
</table>

For 3-way and 4-way switching, use N-3PS-, N-4PS- or other mechanical switches.

### Magnetic low-voltage dimmers
*(small and large controls)*

<table>
<thead>
<tr>
<th>Preset dimmers</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-way/single-pole (small)</td>
</tr>
<tr>
<td>120 V 600 VA (450 W)</td>
</tr>
<tr>
<td>3-way/single-pole (small)</td>
</tr>
<tr>
<td>120 V 1000 VA (800 W)</td>
</tr>
<tr>
<td>3-way/single-pole (large)</td>
</tr>
<tr>
<td>120 V 1500 VA (1200 W)</td>
</tr>
<tr>
<td>3-way/single-pole (large)</td>
</tr>
<tr>
<td>120 V 2000 VA (1600 W)</td>
</tr>
</tbody>
</table>

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 and/or Neon/cold cathode dimmers*
*(small and large controls)*

<table>
<thead>
<tr>
<th>Slide-to-off dimmers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole (small)</td>
</tr>
<tr>
<td>120 V 600 VA (450 W)</td>
</tr>
<tr>
<td>Single-pole (large)</td>
</tr>
<tr>
<td>120 V 1000 VA (800 W)</td>
</tr>
<tr>
<td>Single-pole (large)</td>
</tr>
<tr>
<td>120 V 1500 VA (1200 W)</td>
</tr>
</tbody>
</table>

For neon/cold cathode dimming, consult Lutron® Technical Support: Application note #25.

### Electronic low-voltage dimmer*
*(small control)*

<table>
<thead>
<tr>
<th>Slide-to-off dimmer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole</td>
</tr>
<tr>
<td>120 V 450 W</td>
</tr>
</tbody>
</table>

Only certain LED drivers are dimmable using an ELV dimmer, for more information visit www.lutron.com/LED.

\textsuperscript{AA2}: Architectural matte color codes, see pg. 35 (1-gang wallplate included)

---

*Requires neutral wire connection.
Dimmer model numbers

**3-wire fluorescent dimmers**

*(small and large controls)*

**Slide-to-off dimmers**

<table>
<thead>
<tr>
<th>Single-pole (small)</th>
<th>120 V 16 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole (large)</td>
<td>277 V 8 A</td>
</tr>
</tbody>
</table>

**Preset dimmers**

| 3-way/single-pole (small) | 120 V 8 A |
| 3-way/single-pole (large) | 277 V 6 A |

*For use with Hi-lume®, Hi-lume® Compact SE, Hi-lume® 3D, Eco-10®, EcoSystem® ballasts. Also compatible with Hi-lume® LED driver.*

*For 3-way and 4-way switching use N-3PS®, N-4PS- or other mechanical switches.*

*No derating required if ganged.*

*Adjustable low-end trim.*

**0-10 V dimmer** *(current sink control)*

*(small controls)*

**Slide-to-off dimmer**

<table>
<thead>
<tr>
<th>Single-pole</th>
<th>NFTV-AA²</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 mA max control current</td>
<td></td>
</tr>
</tbody>
</table>

*Control provides dimming signal only. For dimming with on/off switching, use with Lutron PowerPack: PP-120H, PP-277H or PP-347H.*

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

*For information on using Lutron® dimmers to control: Advance Mark VII dimming ballasts, visit [www.lutron.com/advance](http://www.lutron.com/advance); Universal dimming ballasts, visit [www.lutron.com/universal](http://www.lutron.com/universal).*

*No derating required if ganged.*

**Tu-Wire® fluorescent dimmer**

*(small control)*

**Slide-to-off dimmer**

<table>
<thead>
<tr>
<th>Single-pole</th>
<th>NFTU-5A-AA²</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V 5 A</td>
<td></td>
</tr>
</tbody>
</table>

*Also compatible with Advance Mark X ballasts. For further information, visit [www.lutron.com/advance](http://www.lutron.com/advance).*

*For information on use with Universal and OSRAM ballasts, contact Technical Support at 1.800.523.9466.*

**Fluorescent dimmers** with magnetic ballasts

*(small and large control)*

**Slide-to-off dimmers**

| Single-pole (small) | NF-10-AA² |
| 120 V 10 lamps     |
| Single-pole (large) | NF-20-AA² |
| 120 V 20 lamps     |
| Single-pole (large) | NF-30-AA² |
| 120 V 30 lamps     |
| Single-pole (large) | NF-10-277-AA² |
| 277 V 10 lamps     |
| Single-pole (large) | NF-20-277-AA² |
| 277 V 20 lamps     |

*For best fluorescent dimming performance and reliability, Lutron strongly recommends using Hi-lume®, Hi-lume Compact SE, Eco-10®, EcoSystem®, TVE™ or Tu-Wire® electronic dimming ballasts and appropriate controls.*

**0-10 V dimmer (current sink control)**

*(small controls)*

**Slide-to-off dimmer**

<table>
<thead>
<tr>
<th>Single-pole</th>
<th>NFTV-AA²</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 mA max control current</td>
<td></td>
</tr>
</tbody>
</table>

*For more information on Lutron ballasts, visit [www.lutron.com/ballasts](http://www.lutron.com/ballasts).*

*Custom ganging and derating applies, see pg. 170.*

*Requires neutral wire connection.

---

**AA²:** Architectural matte color codes, see pg. 35

(1-gang wallplate included)
### Dimmer model numbers

**Hi-lume® LED drivers:**

- **3-wire fluorescent dimmers** *(small and large controls)*
  - Slide-to-off dimmers
    - Single-pole (small) 120V 16A: NF-10-\textsuperscript{AA2}
    - Single-pole (large) 277V 8A: NF-10-277-\textsuperscript{AA2}
  - Preset dimmers
    - 3-way/single-pole (small) 120V 8A: NF-103P-\textsuperscript{AA2}
    - 3-way/single-pole (large) 277V 6A: NF-103P-277-\textsuperscript{AA2}

Exclusively compatible with Hi-Lume LED driver.

For more information on Hi-lume LED drivers, visit [www.lutron.com/HilumeLED](http://www.lutron.com/HilumeLED).

### Switch and fan control model numbers

#### Switches

**(small controls)**

<table>
<thead>
<tr>
<th>Switches</th>
<th>(small controls)</th>
</tr>
</thead>
<tbody>
<tr>
<td>General purpose switches</td>
<td></td>
</tr>
<tr>
<td>Single-pole</td>
<td>N-1PS-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120/277V 20A</td>
<td></td>
</tr>
<tr>
<td>Single-pole</td>
<td>N-1PS-347-\textsuperscript{AA2}-CSA</td>
</tr>
<tr>
<td>347V 20A</td>
<td></td>
</tr>
<tr>
<td>3-way</td>
<td>N-3PS-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120/277V 20A</td>
<td></td>
</tr>
<tr>
<td>3-way</td>
<td>N-3PS-347-\textsuperscript{AA2}-CSA</td>
</tr>
<tr>
<td>347V 20A</td>
<td></td>
</tr>
<tr>
<td>4-way</td>
<td>N-4PS-\textsuperscript{AA2}</td>
</tr>
<tr>
<td>120/277V 20A</td>
<td></td>
</tr>
</tbody>
</table>

No derating required if ganged.

#### Fan controls

**(small and large controls)**

- **Slide-to-off fan controls—fully variable**
  - Single-pole fan control (small) 120V 6A: NFS-6E-\textsuperscript{AA2}
  - Single-pole fan control (large) 120V 12A: NFS-12E-\textsuperscript{AA2}

No derating required if ganged.

### 0-10V LED drivers:

- **0-10V dimmers** *(current sink control)* *(small controls)*
  - Slide-to-off dimmers
    - Single-pole 30mA max control current: NFTV-\textsuperscript{AA2}

Control provides dimming signal only. For dimming with on/off switching, use with Lutron **PowerPack**: PP-120H, PP-277H or PP-347H.

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

For compatible 0-10V LED drivers by others, visit [www.lutron.com/LED](http://www.lutron.com/LED).

No derating required if ganged.

\textsuperscript{AA2}: Architectural matte color codes, see pg. 35 (1-gang wallplate included)

*Requires neutral wire connection.*
Accessories

**Multi-gang applications**

4.56 in (116 mm)

Shown actual size: Custom Architectural multi-gang Nova wallplate in White (WH).

Custom ganging and derating required for Nova controls, see pg. 170.

For information about Nova multi-gang wallplates, visit [www.lutron/custommultigang](http://www.lutron/custommultigang).

---

**Coordinated electrical devices**

For more information about coordinated Architectural electrical devices, see pg. 156.

- Tamper resistant GFCI receptacle
- Customizable 6-port frame
- Cable jack
Product family features

- Rotary style dimmer with captive knob
- Heavy duty components for surge protection and long product life
- Visible heat sink
- Gangable without removing side sections and reducing wattage
- Voltage compensation maintains stable light levels, despite line voltage variations
- Mechanical air-gap to disconnect load power
- 100% factory tested
- Original thick profile does not fit flush against the wall, for thinner profile see Nova T® on pg. 26
- Coordinating 1-gang wallplate included
- Custom engraving and custom coloring available for wallplates, see pg. 155

Control types

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

Direct load type compatibility

- Incandescent/halogen lighting

Lighting load interfaces are not compatible with this family.

Shown actual size: Centurion dimmer and 1-gang wallplate in White (WH).
Available finishes
Use BOLD color code in model number (Example: C-600-BE)
Architectural matte finishes**

Rotary dimmers
• Rotate or push on/off (depending on model), rotate to adjust light level

• Large control measures 4.56 in x 4.56 in
• Fits into a 1-gang electrical backbox
• Requires large faceplate

Load connections*
Incandescent/Halogen

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

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

### Incandescent/halogen dimmers

**Rotary, rotate on/off (small and large controls)**

<table>
<thead>
<tr>
<th>Single-pole (small)</th>
<th>C-600-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  600 W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Single-pole (small)</th>
<th>C-1000-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  1000 W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Single-pole (large)</th>
<th>C-1500-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  1500 W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Single-pole (large)</th>
<th>C-2000-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  2000 W</td>
<td></td>
</tr>
</tbody>
</table>

**Rotary, push on/off (small controls)**

<table>
<thead>
<tr>
<th>Single-pole (small)</th>
<th>C-600P-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  600 W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Single-pole (small)</th>
<th>C-10P-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  1000 W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3-way (small)</th>
<th>C-603P-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  600 W</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3-way (small)</th>
<th>C-103P-\textsuperscript{AA2}</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 V  1000 W</td>
<td></td>
</tr>
</tbody>
</table>

Multi-gang wallplates are not available.

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

Wider-than-standard electrical backboxes may be required.

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

\textsuperscript{AA2}: Architectural matte White (WH) and Beige (BE), see pg. 43
(1-gang wallplate included)
Accessories

Coordinated electrical devices

Tamper resistant GFCI receptacle
Customizable 6-port frame
Cable jack

For more information about coordinated Architectural electrical devices, see pg. 156.
Product family features

- Can be used in conjunction with the following dimmer(s) and switch(es): Vierti®
- 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 Architectural accessories to complete the look of any room
- Customize your New Architectural wallplate with engraving, contact customer service to get started at 1.888.LUTRON1
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch or sample

Ganging and derating

- New Architectural wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see pg. 170
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, pg. 172
**Available finishes**

Use **BOLD** color code in model number (Example: VTW-1-GR)

Architectural matte finishes

**WH**
White

**LA**
Light Almond

**AL**
Almond

**BE**
Beige

**IV**
Ivory

**TP**
Taupe

**GR**
Gray

**SI**
Sienna

**BR**
Brown

**BL**
Black

**B**
Blue

**W**
White

**G**
Green

**LED bar colors**

Architectural metal finishes*

**BN**
Bright Nickel

**BC**
Bright Chrome

**CLA**
Clear Anodized Aluminum

**SC**
Satin Chrome

**SN**
Satin Nickel

**QZ**
Antique Bronze

**BB**
Bright Brass

**BRA**
Brass Anodized Aluminum

**SB**
Satin Brass

**QB**
Antique Brass

**BLA**
Black Anodized Aluminum

*Metal finish wallplates include black plastic trim/adapter, visible from side. Match with separate Black (BL) controls and accessories.
Wallplates for Vierti® dimmers

- 1-gang* VTW-1-AA
  - W: 2.75 in (70 mm); H: 4.56 in (116 mm);
  - D: .30 in (7.6 mm)

- 2-gang* VTW-2-AA
  - W: 4.56 in (116 mm); H: 4.56 in (116 mm);
  - D: .30 in (7.6 mm)

- 3-gang* VTW-3-AA
  - W: 6.32 in (161 mm); H: 4.56 in (116 mm);
  - D: .30 in (7.6 mm)

- 4-gang* VTW-4-AA
  - W: 8.45 in (215 mm); H: 4.56 in (116 mm);
  - D: .30 in (7.6 mm)

Controls must have heat-sink fins broken for multi-gang installations. Multi-gang dimmer installations may require derating, see pg. 170.

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

AA1: Architectural matte and Architectural metal color codes, see pg. 149
Custom Vierti wallplates**

Dimmer and designer receptacle
Left side Vierti/ VTW-VR- AA2-CPW0944
right side receptacle*

Right side Vierti/ VTW-RV- AA2-CPW0945
left side receptacle*

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox. See Application Note #213 (Combining low-voltage and line voltage wiring devices in a multi-gang box) at www.lutron.com/applicationnotes.

LED bar color kits

- For easy replacement of new color LED bar and/or wallplate
- Wallplate included
- No tools required

Color kit* VT-CK-D AA1

5-gang and 6-gang wallplates:

5-gang VTW-5-AA2-CPW0915
5-gang* VTW-5-AA3
W: 9.978 in (253 mm); H: 4.56 in (116 mm);
D: .30 in (7.6 mm)

6-gang VTW-6-AA2-CPW0916
6-gang* VTW-6-AA3
W: 11.79 in (299 mm); H: 4.56 in (116 mm);
D: .30 in (7.6 mm)

AA1: Architectural matte and Architectural metal color codes, see pg. 149
AA2: Architectural matte color codes, see pg. 149
AA3: Architectural metal color codes, see pg. 149
D: LED bar color codes; Blue (B), White (W) and Green (G), see pg. 15

Multi-gang dimmer installations may require derating, see pg. 170.

* Metal finish wallplates include black plastic trim/ adapter, visible from side. Match with separate Black (BL) controls.
** Contact customer service at 1.800.LUTRON1 to order or to inquire about additional custom configurations.
Product family features

- Can be used in conjunction with the following dimmer(s) and switch(es): Vareo®, Nova T®
- All Lutron® wallplates are screwless, seamless and have no visible hardware, the front plate securely snaps into the alignment adapter plate
- Customize your architectural wallplate with engraving or by adding a corporate logo, contact customer service to get started at 1.888.LUTRON1
- Matte finish wallplates can be custom colored to perfectly match a paint color number, swatch or sample

Ganging and derating

- Architectural wallplates in this section use standard ganging
- Requires fins to be removed from dimmers for proper spacing ("Fins Broken" ganging), see pg. 170
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, pg. 173
- Custom multi-gang wallplates required for the following cases
  - Full-capacity ganging ("No Fins Broken")
  - Large Nova T® controls (1500/2000 W)
  - Nova controls
For further information visit www.lutron.com/customganging.
Available finishes

Use **BOLD** color code in model number  (Example: VWP-1-SI)

Architectural matte finishes

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

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

Architectural metal finishes*

- **BN**  Bright Nickel
- **BC**  Bright Chrome
- **CLA**  Clear Anodized Aluminum
- **SC**  Satin Chrome
- **SN**  Satin Nickel
- **QZ**  Antique Bronze

- **AU**  Gold Plated
- **BB**  Bright Brass
- **BRA**  Brass Anodized Aluminum
- **SB**  Satin Brass
- **QB**  Antique Brass
- **BLA**  Black Anodized Aluminum

*Metal finish wallplates include black plastic trim/adapter, visible from side. Match with separate Black (BL) or Midnight (MN) controls.
Wallplates for Vareo® and Nova T® dimmers and architectural accessories

<table>
<thead>
<tr>
<th>Wallplate Type</th>
<th>Description</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td>VWP-1-\text{AA}^1</td>
<td>1-gang for one switch or dimmer*</td>
<td>W: 2.75 in (70 mm); H: 4.56 in (116 mm); D: .30 in (7.6 mm)</td>
</tr>
<tr>
<td>VWP-2R-\text{AA}^1</td>
<td>1-gang for one accessory*</td>
<td>W: 2.75 in (70 mm); H: 4.56 in (116 mm); D: .30 in (7.6 mm)</td>
</tr>
<tr>
<td>VWP-2-\text{AA}^2</td>
<td>2-gang*</td>
<td>for two dimmers or switches</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W: 4.56 in (116 mm); H: 4.56 in (116 mm); D: .30 in (7.6 mm)</td>
</tr>
<tr>
<td>VWP-3-\text{AA}^2</td>
<td>3-gang*</td>
<td>for three switches or dimmers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W: 6.32 in (161 mm); H: 4.56 in (116 mm); D: .30 in (7.6 mm)</td>
</tr>
<tr>
<td>VWP-4-\text{AA}^2</td>
<td>4-gang*</td>
<td>for four switches or dimmers</td>
</tr>
<tr>
<td></td>
<td></td>
<td>W: 8.45 in (215 mm); H: 4.56 in (116 mm); D: .30 in (7.6 mm)</td>
</tr>
</tbody>
</table>

\text{AA}^1: Architectural matte and Architectural metal color codes, see pg. 153
\text{AA}^2: Architectural matte color codes, see pg. 153

For metal finishes, contact Customer Service at 1.800.LUTRON1.

Multi-gang dimmer installations may require derating, see pg. 170.

*Metal finish wallplates include black plastic trim/adapter, visible from side. Match with separate Black (BL) controls.
Custom Architectural wallplates

Custom configurations, colors, engraving and silkscreenings available. Contact customer service 1.888.LUTRON1.

Custom multi-gang wallplates required for the following cases:
- Multi-gang metal finishes
- Full-capacity ganging ("No Fins Broken")
- Large Nova T☆ controls (1500/2000 W)
- Nova controls

For further information, visit www.lutron.com/customganging.

Custom coloring available for all Architectural matte finish wallplates.

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

For wallplate engraving schedules, go to www.lutron.com/engraving.
Wallplates and accessories | Architectural

Cable jack

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

Single cable jack* NT-CJ-\textsuperscript{AA2}

Telephone jack

- 6-conductor jack, RJ11
- Includes 1-gang wallplate

Single telephone jack* NT-PJ-\textsuperscript{AA2}

Double and triple telephone jacks

- 8-conductor jack, RJ45 category 5 phone jack
- Includes 1-gang wallplate

Double telephone jack*\textsuperscript{†} NT-PJ8X2-\textsuperscript{AA2}
Triple telephone jack*\textsuperscript{†} NT-PJ8X3-\textsuperscript{AA2}

Telephone/cable jack

- 8-conductor jack, RJ45 category 5 phone jack
- F-style, 75-Ohm coaxial cable jack
- Includes 1-gang wallplate

Telephone/cable jack*\textsuperscript{†} NT-PJ8CJ-\textsuperscript{AA2}

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox, see Application Note #213 (Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box) at www.lutron.com/applicationnotes.

\textsuperscript{AA2}: Architectural matte color codes, see pg. 153 (1-gang wallplate included)

*Metal finishes are only available as separate wallplates. Match with separate Black (BL) controls and accessories.

†Ivory, White, Beige and Taupe controls will ship with White coordinating jacks; Brown, Black, Gray and Metal finish controls will ship with Black coordinating jacks.
**Receptacles**

- Includes 1-gang wallplate

**Tamper resistant receptacles**

<table>
<thead>
<tr>
<th>Amps</th>
<th>Volts</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>NTR-15-TR-AA²</td>
</tr>
<tr>
<td>20</td>
<td>125</td>
<td>NTR-20-TR-AA²</td>
</tr>
</tbody>
</table>

**GFCI receptacles**

- Press test button to confirm LED indicator status
- Press reset button to reset GFCI after circuit interruption
- Includes 1-gang wallplate

**Tamper resistant GFCI receptacles**

<table>
<thead>
<tr>
<th>Amps</th>
<th>Volts</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>NTR-15-GFTR-AA²</td>
</tr>
<tr>
<td>20</td>
<td>125</td>
<td>NTR-20-GFTR-AA²</td>
</tr>
</tbody>
</table>

**Isolated ground receptacles**

- Receptacle is orange for easy ID and circuit delineation
- Wallplate will match color that is ordered
- Includes 1-gang wallplate

<table>
<thead>
<tr>
<th>Amps</th>
<th>Volts</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>125</td>
<td>NTR-15-IG-OR-AA²</td>
</tr>
<tr>
<td>20</td>
<td>125</td>
<td>NTR-20-IG-OR-AA²</td>
</tr>
</tbody>
</table>

**AA²:** Architectural matte color codes, see pg. 153 (1-gang wallplate included)

*Metal finishes are only available as separate wallplates. Match with separate Black (BL) controls and accessories.*
### Wallplates and accessories | Architectural

#### Receptacles for dimming use
- Duplex for dimming both connected loads
- Projecting nubs prevent standard plugs from being used
- Requires replacement plugs for dimming use
- 15 A model shown
- Includes 1-gang wallplate

**Duplex for dimming use**

<table>
<thead>
<tr>
<th>Current</th>
<th>Voltage</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 A</td>
<td>120/125 V*</td>
<td>NTR-15-DFDU-\textsuperscript{AA}²</td>
</tr>
<tr>
<td>20 A</td>
<td>120/125 V*</td>
<td>NTR-20-DFDU-\textsuperscript{AA}²</td>
</tr>
</tbody>
</table>

#### Receptacles for dimming use
- Top half for dimming
- Projecting nub prevents standard plug from being used
- Requires replacement plugs for dimming use
- Bottom half is a general use receptacle and will fit standard duplex plugs
- 15 A model shown
- Includes 1-gang wallplate

**Split duplex (half for dimming use)**

<table>
<thead>
<tr>
<th>Current</th>
<th>Voltage</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 A</td>
<td>120/125 V*</td>
<td>NTR-15-HFDU-\textsuperscript{AA}²</td>
</tr>
<tr>
<td>20 A</td>
<td>120/125 V*</td>
<td>NTR-20-HFDU-\textsuperscript{AA}²</td>
</tr>
</tbody>
</table>

#### Receptacles for dimming use
- Duplex for dimming both connected loads
- Projecting nubs prevent standard plugs from being used
- Requires replacement plugs for dimming use
- 15 A model shown
- Includes 1-gang wallplate
- Tamper resistant shutter mechanism

**Dual dimming tamper resistant**

<table>
<thead>
<tr>
<th>Current</th>
<th>Voltage</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 A</td>
<td>120/125 V*</td>
<td>NTR-15-DDTR-\textsuperscript{AA}²</td>
</tr>
<tr>
<td>20 A</td>
<td>120/125 V*</td>
<td>NTR-20-DDTR-\textsuperscript{AA}²</td>
</tr>
</tbody>
</table>

#### Receptacles for dimming use
- Top half for dimming
- Projecting nub prevents standard plug from being used
- Requires replacement plugs for dimming use
- Bottom half is a general use receptacle and will fit standard duplex plugs
- 15 A model shown
- Includes 1-gang wallplate
- Tamper resistant shutter mechanism

**Half dimming tamper resistant**

<table>
<thead>
<tr>
<th>Current</th>
<th>Voltage</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 A</td>
<td>120/125 V*</td>
<td>NTR-15-HDTR-\textsuperscript{AA}²</td>
</tr>
<tr>
<td>20 A</td>
<td>120/125 V*</td>
<td>NTR-20-HDTR-\textsuperscript{AA}²</td>
</tr>
</tbody>
</table>

\textsuperscript{AA}²: Architectural matte color codes, see pg. 153 (1-gang wallplate included)

*Metal finishes are only available as separate wallplates. Match with separate Black (BL) controls and accessories.*

www.lutron.com | 1.800.523.9466 | ©Lutron.
Replacement plugs for dimming
(use with receptacles)

- This plug required for use with Lutron® receptacles for dimming use—plug will work in standard receptacle
- Easily replaces the existing plugs on lamps

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>120/125V</td>
<td>RP-FDU-10-WH</td>
</tr>
<tr>
<td>White</td>
<td></td>
</tr>
<tr>
<td>120/125V</td>
<td>RP-FDU-10-BR</td>
</tr>
<tr>
<td>Brown</td>
<td></td>
</tr>
</tbody>
</table>

UL/CSA/NOM regulatory approvals

**Important application 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 detailed information, see Application Notes #91 (Guide to Dimming Table Lamps) and #109 (Guide to Dimming Portable Lamps via Receptacles) at www.lutron.com/applicationnotes

**AA²:** Architectural matte color codes, see pg. 153 (1-gang wallplate included)

*Metal finishes are only available as separate wallplates. Match with separate Black (BL) controls and accessories.*
**Field customizable 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) only unless noted

6-port frame* NT-6PF-\textsuperscript{AA2}

**Connectors for 6-port frame**

<table>
<thead>
<tr>
<th>Telephone/network jacks</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>8-conductor, RJ45 category 3</td>
<td>CON-1P-C3-\textsuperscript{EE4}</td>
</tr>
<tr>
<td>8-conductor, RJ45 category 5e</td>
<td>CON-1P-C5E-\textsuperscript{EE4}</td>
</tr>
<tr>
<td>8-conductor, RJ45 category 6</td>
<td>CON-1P-C6-\textsuperscript{EE4}</td>
</tr>
</tbody>
</table>

**Fiber jacks**

- MT-RJ feed through CON-1F-MTRJ-WH
- SC simplex CON-1F-SC-WH
- LC non-flush mount CON-1F-LC-WH
- ST style CON-1F-ST-WH

**Cable jack**

- F-style, 75-Ohm coaxial cable CON-1C-\textsuperscript{EE4}

**BNC jack**

- BNC connector, 50-Ohm CON-1B-WH

Connectors only for use with 6-port frame.

Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox, see Application Note #213 (Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box) at www.lutron.com/applicationnotes.

*Metal finishes are only available as separate wallplates. Match with separate Black (BL) controls and accessories.

\textsuperscript{AA2}: Architectural matte color codes, see pg. 153

\textsuperscript{EE4}: Only available in White (WH) and Black (BL)
Mounting requirements for dimmers, switches, sensors and accessories

**Individual devices**
Individual dimmers, switches, wall sensors and accessories typically mount in standard 1-gang electrical boxes (fig. A).

**Standard ganging**
Multiple dimmers, switches, wall sensors and accessories typically mount in standard multi-gang electrical backboxes (fig. B–D) under standard multi-gang wallplates. Some devices may require derating or reduction in maximum capacity. For more information on standard ganging, see pg. 170.

**Custom Architectural ganging**
Architectural dimmers, switches and accessories may be ganged without derating (fig. E), but wider-than-standard electrical backboxes and customized wallplates may be required. For more information on custom Architectural ganging, see pg. 170.

**Light load power interfaces (pg. 178)**
Interfaces typically mount to a standard electrical junction box (fig. F); must be mounted within 7 degrees of vertical. Maximum output: 5.1 in x 6.3 in. Interfaces project 1.2 in in front of box.

**Ceiling/wall mount sensors (pgs. 144 and 146)**
Wireless ceiling mount Radio Powr Savr™ sensors (fig. G) mount to brackets provided with sensor using adhesive strips or mounting hardware provided.
How to understand ganging and derating

**Standard ganging**

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

Standard multi-gang installation:
- Uses standard multi-gang electrical backboxes
- Uses standard multi-gang wallplates
- Requires fins to be removed from dimmers for proper spacing ("Fins Broken" ganging)
- May require derating (i.e., reduction of dimmer capacity due to fin removal), see Derating Tables, pgs. 172–173

**Custom ganging for Architectural style controls**

For Architectural style dimmers and switches, it is possible to retain the maximum capacity of dimmers in multi-gang applications via custom architectural multi-gang:
- May require customized, wider-than-standard wallplates
- May require wider-than-standard electrical backboxes
- Allows full capacity ("No Fins Broken") ganging
- Required for Nova® dimmers and for larger width (high capacity) architectural controls
- Visit [www.lutron.com/customganging](http://www.lutron.com/customganging) for additional information

### Standard ganging for dimmers, switches and accessories

<table>
<thead>
<tr>
<th>New Architectural</th>
<th>Architectural</th>
<th>Designer</th>
<th>Traditional</th>
</tr>
</thead>
<tbody>
<tr>
<td>![New Architectural]</td>
<td>![Architectural]</td>
<td>![Designer]</td>
<td>![Traditional]</td>
</tr>
<tr>
<td>pg. 148</td>
<td>pg. 152</td>
<td>pg. 160</td>
<td>pg. 166</td>
</tr>
</tbody>
</table>

- Vierti®
- Vareo®
- Nova T®
- Maestro®
- Maestro IR®
- Maestro Wireless®
- Spacer System®
- Diva®
- Lyneo® Lx
- Skylark®
- Skylark Contour™
- Abella®
- Ceana®
- Ariadni®
- Glyder®
- Rotary

### Derating Tables
- Derating Table 1, pg. 172
- Derating Table 2, pg. 173
- Derating Table 1, pg. 172
- Derating Table 1, pg. 172
Standard ganging and fins broken derating examples:

One Nova T® dimmer

- No fins broken
- Full capacity

= + 

Standard 1-gang backbox

= + 

Standard 1-gang architectural wallplate

Two Nova T® dimmers

- “Fins Broken” ganging
- One fin broken*
- Partial derating

= + 

Standard 2-gang backbox

= + 

Standard 2-gang architectural wallplate

Three Nova T® dimmers

- “Fins Broken” ganging
- Inside: Two fins broken*
- Full derating
- Outside: One fin broken*
- Partial derating

= + 

Standard 3-gang backbox

= + 

Standard 3-gang architectural wallplate

Custom Architectural ganging example:

Two Nova T® dimmers

- “No Fins Broken” ganging
- No fins broken
- Full capacity

= + 

Backbox with chase nipple

= + 

Custom architectural wallplate

For further information on ganging and derating, visit www.lutron.com/multigang.

*The fins are scored and designed to be removed easily.
**Derating Table 1**

**New Architectural** | Vierti®
---|---
**Designer** | Maestro®, Maestro IR®, Maestro Wireless®, Spacer System®, Diva®, Lyneo® Lx, Skylark Contour™, Skylark®
**Traditional** | Abella®, Ceana®, Ariadni®, Glyder®, Rotary

<table>
<thead>
<tr>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Incandescent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600 W</td>
<td>500 W</td>
</tr>
<tr>
<td></td>
<td>1000 W</td>
<td>800 W</td>
</tr>
<tr>
<td>Dual dimmers</td>
<td>300 W</td>
<td>250 W</td>
</tr>
<tr>
<td></td>
<td>300 W</td>
<td>250 W</td>
</tr>
<tr>
<td><strong>Magnetic low-voltage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600 VA/450 W</td>
<td>500 VA/400 W</td>
</tr>
<tr>
<td></td>
<td>1000 VA/800 W</td>
<td>800 VA/650 W</td>
</tr>
<tr>
<td><strong>Electronic low-voltage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>300 W</td>
<td>250 W</td>
</tr>
<tr>
<td></td>
<td>500 W</td>
<td>450 W</td>
</tr>
<tr>
<td></td>
<td>600 W</td>
<td>500 W</td>
</tr>
<tr>
<td><strong>Fluorescent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vierti</td>
<td>60 ballasts/6 A</td>
<td>50 ballasts/5 A</td>
</tr>
<tr>
<td>Maestro/Spacer System</td>
<td>20 ballasts/6 A</td>
<td>20 ballasts/5 A</td>
</tr>
<tr>
<td>Diva, Skylark, Lyneo Lx and Ariadni</td>
<td>no derating</td>
<td>no derating</td>
</tr>
<tr>
<td>Tu-Wire®: Spacer System, Diva, Skylark</td>
<td>5 A</td>
<td>4 A</td>
</tr>
<tr>
<td><strong>Fan controls</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quiet 7-speed</td>
<td>1.0 A/300 W</td>
<td>1.0 A/300 W</td>
</tr>
<tr>
<td>Quiet 3-speed</td>
<td>1.5 A</td>
<td>1.5 A</td>
</tr>
<tr>
<td>Fully variable</td>
<td>5 A</td>
<td>4 A</td>
</tr>
<tr>
<td><strong>Fan/light controls</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quiet 7-speed</td>
<td>1.0 A/300 W</td>
<td>1.0 A/300 W</td>
</tr>
<tr>
<td>Quiet 3-speed</td>
<td>1.5 A/300 W</td>
<td>1.5 A/300 W</td>
</tr>
<tr>
<td></td>
<td>1.5 A/360 W</td>
<td>1.5 A/360 W</td>
</tr>
<tr>
<td>Fully variable</td>
<td>2.5 A/300 W</td>
<td>2.1 A/250 W</td>
</tr>
<tr>
<td><strong>Electronic switches</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vierti</td>
<td>6 A/3 A</td>
<td>5 A/3 A</td>
</tr>
<tr>
<td>Maestro (light/fan)</td>
<td>8 A/3 A</td>
<td>6.5 A/3 A</td>
</tr>
<tr>
<td>Abella (light/fan)</td>
<td>6 A/3 A</td>
<td>5 A/3 A</td>
</tr>
</tbody>
</table>
## Derating Table 2

### Architectural | Vareo®, Nova T®

<table>
<thead>
<tr>
<th>Incandescent</th>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimmers</td>
<td>600 W</td>
<td>500 W</td>
<td>300 W</td>
</tr>
<tr>
<td></td>
<td>1000 W</td>
<td>900 W</td>
<td>700 W</td>
</tr>
<tr>
<td></td>
<td>1500 W</td>
<td>1250 W</td>
<td>1000 W</td>
</tr>
<tr>
<td></td>
<td>1950 W</td>
<td>–</td>
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<tr>
<th>Magnetic low-voltage</th>
<th>Dimmers</th>
<th>600 VA/450 W</th>
<th>500 VA/400 W</th>
<th>300 VA/250 W</th>
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<tbody>
<tr>
<td></td>
<td>1000 VA/800 W</td>
<td>900 VA/750 W</td>
<td>700 VA/500 W</td>
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<tr>
<td></td>
<td>1500 VA/1200 W</td>
<td>1250 VA/1000 W</td>
<td>1000 VA/800 W</td>
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| Electronic low-voltage | Dimmers | 300 W | 300 W | 250 W |
|                       |         | 600 W | 500 W | 400 W |

<table>
<thead>
<tr>
<th>Fluorescent</th>
<th>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</th>
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<tr>
<td>Vareo</td>
<td>20 ballasts/8 A</td>
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<td>Nova T®</td>
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<td>16 A</td>
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<tr>
<td>0-10 VDC control¹</td>
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<th>Electronic tapswitches²</th>
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<tr>
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<td>VETS-1000-SL-</td>
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<td>VETN-1000-</td>
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For further information on ganging Nova®, visit [www.lutron.com/customganging](http://www.lutron.com/customganging).

¹PowerPack required for line voltage switching.

²VETS-R-Auxiliary electronic tapswitches do not require derating.
### Dimmer capabilities and interface requirements

- **M**: Multi-location—true dimming from each location
- W**B**X**: Wallbox Phase Adaptive Power Module (PHPM-WBX-DV-WH)
- 3F**: Fluorescent Power Module (PHPM-3F-DV-WH)
- **T**V**I**: 0-10V Interface (GRX-TVI)
- **P**A**: Phase Adaptive Power Module (PHPM-PA-DV-WH)

**Vierti®**
- pg. 14

**Vareo®**
- pg. 20

**Nova T®**
- pg. 26

**Nova®**
- pg. 34

**Centurion®**
- pg. 42

**Compatibility:**
- **Vierti®** requires interface, see notes below.

<table>
<thead>
<tr>
<th>Dimmers</th>
<th>Capacity</th>
<th>M</th>
<th>E</th>
<th>3F</th>
<th>PA</th>
<th>WBX</th>
<th>TVI</th>
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<tr>
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<td>600W</td>
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<td></td>
<td></td>
<td></td>
<td>M</td>
<td></td>
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<td></td>
<td>1000W</td>
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<td></td>
<td></td>
<td></td>
<td>M</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1500W</td>
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<td>WBX</td>
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<td>1000 VA (800 W)</td>
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<td>WBX</td>
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<tr>
<td><strong>Neon/cold cathode</strong></td>
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<td></td>
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<td></td>
<td></td>
<td>WBX</td>
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<tr>
<td>Hi-lume, Hi-lume Compact SE</td>
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<td></td>
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<td>M</td>
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<tr>
<td>Eco-10® and EcoSystem® ballasts</td>
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<td>WBX</td>
<td>M</td>
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<tr>
<td><strong>3-wire ballasts and Hi-lume LED driver 277 V</strong></td>
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<td>WBX</td>
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</table>

**See pgs. 178–179 for specific compatible dimmer models and switching interface solutions.**

*Consult Lutron Technical Support for information on interfaces with Vierti.

† UL listed for FULL wattage indicated (derate capacity only if ganged with other devices).
### Dimmer capabilities and interface requirements

- **M**: Multi-location—true dimming from each location
- **E**: Eco-model available
- **WBX**: Compatible dimmer (no interface)
- **3F**: Requires interface, see notes below

#### Dimmers

<table>
<thead>
<tr>
<th>Dimmer Type</th>
<th>Capacity</th>
<th>Maestro⁰ pg. 46</th>
<th>Maestro IR® pg. 60</th>
<th>Maestro Wireless® pg. 68</th>
<th>Spacer System® pg. 76</th>
<th>Diva® pg. 86</th>
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<tbody>
<tr>
<td><strong>Incandescent/halogen 120V</strong></td>
<td>600W</td>
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<td>M</td>
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<td>1000W</td>
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<td><strong>Magnetic low-voltage 120V</strong></td>
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<tr>
<td>Eco-10® and EcoSystem® ballasts</td>
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<td><strong>3-wire ballasts and Hi-lume LED driver 277V</strong></td>
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<td>Eco-10 and EcoSystem ballasts</td>
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</table>

**Note**: UL listed for FULL wattage indicated (derate capacity only if ganged with other devices).

---

**WBX**: Wallbox Phase Adaptive Power Module (PHPM-WBX-DV-WH)

**3F**: Fluorescent Power Module (PHPM-3F-DV-WH)

**TVI**: 0-10 V Interface (GRX-TV1)

**PA**: Phase Adaptive Power Module (PHPM-PA-DV-WH)

### Dimmer capabilities and interface requirements

<table>
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<tr>
<th>Dimmers</th>
<th>capacity</th>
<th>E</th>
<th>M</th>
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<tbody>
<tr>
<td><strong>Incandescent/halogen 120V</strong></td>
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<td>1000 W</td>
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<tr>
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<td>1500 W</td>
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<tr>
<td></td>
<td>2000 W</td>
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<td>1000 VA</td>
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<td>(800 W)</td>
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<td></td>
</tr>
<tr>
<td><strong>Electronic low-voltage 120V</strong></td>
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<td>450 W</td>
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<tr>
<td></td>
<td>600 W</td>
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<tr>
<td><strong>Electronic low-voltage 277V</strong></td>
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<tr>
<td><strong>Neon/cold cathode</strong></td>
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<td><strong>3-wire ballasts and Hi-lume LED driver 120V</strong></td>
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<td>3 F</td>
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<td>3 F</td>
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<td>16 A</td>
<td>3 F</td>
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</tbody>
</table>

**Notes:**
- M: Multi-location—true dimming from each location
- E: eco-model available
- Compatible dimmer (no interface)
- WBX [TVI] 3F PA: Requires interface, see notes below

**Compatibility:**
- Lyneo® Lx pg. 94
- Skylark Contour® pg. 100
- Skylark® pg. 104
- Abella® pg. 114

**Compatibility Notes:**
- WBX: Wallbox Phase Adaptive Power Module (PHPM-WBX-DV-WH)
- TVI: 0-10 V Interface (GRX-TV)
- 3F: Fluorescent Power Module (PHPM-3F-DV-WH)
- PA: Phase Adaptive Power Module (PHPM-PA-DV-WH)


*UL listed for FULL wattage indicated (derate capacity only if ganged with other devices)*
## Dimmer capabilities and interface requirements

<table>
<thead>
<tr>
<th>Dimmers</th>
<th>Capacity</th>
<th>Compatibility</th>
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<tbody>
<tr>
<td><strong>Incandescent/halogen</strong> 120V</td>
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<td>1000VA (800W)</td>
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<td>WBX</td>
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<td>WBX</td>
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<td>WBX</td>
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<tr>
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<td>16A</td>
<td>3F</td>
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<td><strong>3-wire ballasts and Hi-lume LED driver</strong> 277V</td>
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<td>3F</td>
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<td>Hi-lume, Hi-lume Compact SE,</td>
<td>8A</td>
<td>3F</td>
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<tr>
<td>Eco-10 and EcoSystem ballasts</td>
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<td>3F</td>
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<td><strong>Tu-Wire® ballasts</strong> 120V</td>
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<tr>
<td><strong>0-10VDC</strong> (ballasts or LED Drivers) 120/277V</td>
<td>16A</td>
<td>TVI</td>
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</tbody>
</table>

- **WBX**: Wallbox Phase Adaptive Power Module (PHPM-WBX-DV-WH)
- **TVI**: 0-10V Interface (GRX-TV1)
- **3F**: Fluorescent Power Module (PHPM-3F-DV-WH)
- **PA**: Phase Adaptive Power Module (PHPM-PA-DV-WH)


†UL listed for FULL wattage indicated (derate capacity only if ganged with other devices).
# Dimmer models/load interface compatibility

<table>
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<th>Dimmer Family</th>
<th>Incandescent, magnetic and electronic low-voltage (120/277 V)</th>
<th>3-wire Fluorescent ballasts or Hi-lume® LED drivers (120/277 V)</th>
<th>0-10 VDC Ballasts or LED drivers (120/277 V)</th>
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Use only dimmer model numbers listed.

*Dual 120/277 V model given, 120 V only versions are also available.

Please see Technical notes, pg. 179.
## Dimmer models/load interface compatibility

<table>
<thead>
<tr>
<th>Dimmer Family</th>
<th>Tu-Wire® Fluorescent Ballasts (120V)</th>
<th>Switched Lighting (120/277V)</th>
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<tbody>
<tr>
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### Technical notes
- Lighting load interfaces must be matched to load type and voltage.
- All load interfaces for dimmed load are controlled by a 120 V 3-wire fluorescent dimmer.
- Power feed to dimmer may differ from lighting load/interface voltage.
- Interfaces typically require additional power feeds.
- For wiring information, consult wiring diagrams, see pgs. 193-195.
- For assistance and additional solutions, consult Lutron Technical Support at 1.800.523.9466 (24 hours/7 days).

### Interface mounting
- PHPM interfaces mount to 2-gang electrical backbox (W: 6.30 in x H: 5.10 in).
- GRX-TVI enclosure is surface mount only (W: 6.10 in x H: 12.50 in x D: 3.30 in).

---

Use only dimmer model numbers listed.

*Dual 120/277 V model given, 120 V only versions are also available. Please see Technical notes, pg. 179.
## Wiring diagrams

Wiring diagrams are for reference. The most up-to-date information is supplied with product installation sheets.

<table>
<thead>
<tr>
<th>Wiring diagram #1</th>
<th>Wiring diagram #11</th>
</tr>
</thead>
<tbody>
<tr>
<td>Single-pole wiring</td>
<td>Single-pole wiring of multi-location control with neutral wire connection</td>
</tr>
<tr>
<td></td>
<td>182</td>
</tr>
<tr>
<td><strong>Wiring diagram #2</strong></td>
<td><strong>Wiring diagram #12</strong></td>
</tr>
<tr>
<td>Single-pole wiring of 3-way controls</td>
<td>Line side multi-location wiring with neutral wire connection</td>
</tr>
<tr>
<td></td>
<td>182</td>
</tr>
<tr>
<td><strong>Wiring diagram #3</strong></td>
<td><strong>Wiring diagram #13</strong></td>
</tr>
<tr>
<td>Single-pole wiring with neutral wire connection</td>
<td>Multi-location switch wiring with neutral wire connection</td>
</tr>
<tr>
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</tr>
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<td><strong>Wiring diagram #4</strong></td>
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</tr>
<tr>
<td>Single-pole wiring of a 3-way control with neutral wire connection</td>
<td>Vareo® switch wiring with neutral wire connection</td>
</tr>
<tr>
<td></td>
<td>182</td>
</tr>
<tr>
<td><strong>Wiring diagram #5</strong></td>
<td><strong>Wiring diagram #15</strong></td>
</tr>
<tr>
<td>3-way wiring with neutral wire connection</td>
<td>Nova T® Omnislide wiring</td>
</tr>
<tr>
<td></td>
<td>182</td>
</tr>
<tr>
<td><strong>Wiring diagram #6</strong></td>
<td><strong>Wiring diagram #16</strong></td>
</tr>
<tr>
<td>3-way wiring</td>
<td>AC motor wiring of double-pole, double-throw switch</td>
</tr>
<tr>
<td></td>
<td>183</td>
</tr>
<tr>
<td><strong>Wiring diagram #7</strong></td>
<td><strong>Wiring diagram #17</strong></td>
</tr>
<tr>
<td>4-way wiring</td>
<td>Single-pole wiring, fan control</td>
</tr>
<tr>
<td></td>
<td>183</td>
</tr>
<tr>
<td><strong>Wiring diagram #8</strong></td>
<td><strong>Wiring diagram #18</strong></td>
</tr>
<tr>
<td>Single-location wiring of multi-location control</td>
<td>Single-pole wiring, fan and light control</td>
</tr>
<tr>
<td></td>
<td>184</td>
</tr>
<tr>
<td><strong>Wiring diagram #9</strong></td>
<td><strong>Wiring diagram #19</strong></td>
</tr>
<tr>
<td>Line side multi-location wiring</td>
<td>Single-pole wiring, dual light control</td>
</tr>
<tr>
<td></td>
<td>184</td>
</tr>
<tr>
<td><strong>Wiring diagram #10</strong></td>
<td><strong>Wiring diagram #20</strong></td>
</tr>
<tr>
<td>Load side multi-location wiring</td>
<td>Single-pole wiring, dual fan/light control</td>
</tr>
<tr>
<td></td>
<td>184</td>
</tr>
</tbody>
</table>
Wiring diagram #21
Spacer System® wall-mounted master control wiring with dimmers ................................. 188

Wiring diagram #22
Spacer System® master control wiring with IR blaster (remotely mounted) ....................... 188

Wiring diagram #23
Cable jack wiring ................................................. 189

Wiring diagram #24
Telephone jack wiring, 6-conductor ..................... 189

Wiring diagram #25
Telephone jack wiring, 8-conductor ..................... 189

Wiring diagram #26
Receptacle wiring ................................................ 189

Wiring diagram #27
GFCI receptacle wiring ........................................ 189

Wiring diagram #28
Single-pole wiring of 3-way, 3-wire fluorescent control ..................................................... 190

Wiring diagram #29
3-way wiring of 3-wire fluorescent control .......... 190

Wiring diagram #30
Single-pole wiring of 3-wire fluorescent control ......................................................... 191

Wiring diagram #31
Single-pole wiring of multi-location 3-wire fluorescent control ........................................ 191

Wiring diagram #32
Multi-location wiring of 3-wire fluorescent control ....................................................... 192

Wiring diagram #33
Single-pole wiring of 0-10 V fluorescent control and a PP-277H ................................. 192

Wiring diagram #34
PHPM-WBX-DV-WH with any Lutron® 3-wire fluorescent control wiring ....................... 193

Wiring diagram #35
PHPM-SW-DV-WH with any Lutron switch ................................................................. 193

Wiring diagram #36
PHPM-3F-DV-WH with any Lutron 3-wire fluorescent control wiring .............................. 193

Wiring diagram #37
GRX-TVI with any Lutron 3-wire fluorescent control wiring ........................................... 195
Wiring diagram #1
Single-pole wiring

Wiring diagram #2
Single-pole wiring of 3-way control

Wiring diagram #3
Single-pole wiring with neutral wire connection

Wiring diagram #4
Single-pole wiring of 3-way control with neutral wire connection

Wiring diagram #5
3-way wiring with neutral wire connection
Wiring diagram #6
3-way wiring

**Control Line Side**
- Dimmer, Switch, Fan Control
- 3-Way Switch

**Control Load Side**
- 3-Way Switch
- Dimmer, Switch, Fan Control

**Neutral**
- Red*
- Red**
- Green***

**Neutral**
- Black**
- Red*
- Red**
- Green***

* or Brass/Gold screw terminal
** or Copper/Black screw terminal
*** or Green screw terminal
† or Red/White screw terminal

OR

Lighting Load or Fan

Wiring diagram #7
4-way wiring

**Control Line Side**
- Dimmer, Switch, Fan Control
- 4-Way Switch
- 3-Way Switch

**Control Load Side**
- 3-Way Switch
- 4-Way Switch
- Dimmer, Switch, Fan Control

**Neutral**
- Red*
- Red**
- Green***

**Neutral**
- Black**
- Red*
- Red**
- Green***

* or Copper/Black screw terminal
** or Brass/Gold screw terminal
*** or Green screw terminal
† or Red/White stripe
**Wiring diagram #8**
Single-location wiring of multi-location control

120 VAC 60 Hz Feed

Dimmer, Tapswitch

- Hot: Black
- Red
- Blue†
- Cap/Off: Green
- Lighting Load: Neutral

- * or Copper/Black screw terminal
- ** or Brass/Gold screw terminal
- † or Blue stripe

---

**Wiring Diagram #9**
Line side multi-location wiring

Control
- Line Side

- Hot: Black
- Red
- Blue†
- Companion (Black, Red): Up to Nine Total Companion Dimmers
- Lighting Load: Neutral

- * or Copper/Black screw terminal
- ** or Brass/Gold screw terminal
- † or Blue stripe

Control: Dimmer, Smart Dimmer, Tapswitch
Accessory: Accessory Dimmer, Auxiliary Tapswitch

---

**Wiring diagram #10**
Load side multi-location wiring

Control
- Load Side

- Hot: Black
- Red
- Blue†
- Companion (Black, Red): Up to Nine Total Companion Dimmers
- Lighting Load: Neutral

- * or Copper/Black screw terminal
- ** or Brass/Gold screw terminal
- † or Blue stripe

Control: Dimmer, Smart Dimmer, Tapswitch
Accessory: Accessory Dimmer, Auxiliary Tapswitch
Appendix | Wiring diagrams

### Wiring diagram #11
Single-pole wiring of multi-location control with neutral wire connection

Control: Dimmer, Smart Dimmer, Electronic Switch, Tapswitch

### Wiring diagram #12
Line side multi-location wiring with neutral wire connection

### Wiring diagram #13
Multi-location switch wiring with neutral wire connection

Control: Dimmer, Smart Dimmer, Electronic Switch, Tapswitch

Accessory: Accessory Dimmer, Accessory Switch, Auxiliary Tapswitch
Wiring diagram #14
Vareo® switch wiring with neutral wire connection

Control Line Side

Control Load Side

Wiring diagram #15
Nova T® Omnislide™ wiring

Base Control Line Side

Base Control Load Side
Wiring diagram #16
AC motor wiring of double-pole, double throw switch

Wiring diagram #17
Single-pole wiring, fan only control

Wiring diagram #18
Single-pole wiring, fan and light control

Wiring diagram #19
Single-pole wiring, control

Wiring diagram #20
Single-pole wiring, dual fan/light control

*Switched full voltage only

* or Black screw terminal
** or Brass/Gold screw terminal
**Wiring diagram #21**
Spacer System® wall-mounted master control wiring with dimmers

![Diagram](image1)

**Rear View of Spacer System Dimmers and SPS-5WC- Ganged Together**

SPS-5WC- emits signal that travels up to 4 dimmers in either direction.

---

**Wiring diagram #22**
Spacer System master control wiring with IR blaster (remotely mounted)

![Diagram](image2)

**Rear View of 5 Spacer System Dimmers Ganged Together**

Infrared Blaster emits signal that travels up to 2 dimmers in either direction.
Appendix | Wiring diagrams

**Wiring diagram #23**
Cable jack wiring

![Diagram](75-Ohm Cable)

**Wiring diagram #24**
Telephone jack wiring, 6 conductor

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*Accepts most 4-conductor jacks

**Wiring diagram #25**
Telephone jack wiring, 8 conductor

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*Accepts most 4- or 6-conductor jacks

**Wiring diagram #26**
Receptacle wiring

- **120 VAC 60 Hz Feed**
- **Neutral**
- **Green Screw**
  - Building Ground (to metal box) or Isolated Ground

*For split circuit wiring, break off tab on brass side only

**Wiring diagram #27**
GFMI receptacle wiring

![Diagram](120VAC 60 Hz Feed)

- **Receptacle (15 A Shown)**
  - Not Protected
  - Protected

- **GFMI Receptacle (15 A Shown)**
  - Protected

- **Brass Screws**
- **Nickel Plated Screws**

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Wiring diagram #28
Single-pole wiring of 3-way, 3-wire fluorescent control

Wiring diagram #29
3-way wiring of 3-wire fluorescent control

†or Copper/Black screw terminal
††or Brass/Gold screw terminal
Wiring diagram #30
Single-pole wiring of 3-wire fluorescent control

Wiring diagram #31
Single-pole wiring of multi-location 3-wire fluorescent control
Wiring diagram #32
Multi-location wiring of 3-wire fluorescent control

Control
Load Side

Dimmer

Companion

Companion

Dimmer

120/277 VAC
60 Hz Feed

Black
White
Orange
Black
White
Orange
Neutral
Up to Nine Total Accessories
Accessory: Accessory Dimmer, Auxiliary Tapswitch

* or Copper/Black screw terminal
** or Brass/Gold screw terminal
† or Blue screw terminal
†† or Silver screw terminal

Wiring diagram #38
Single-pole wiring of 0-10 V fluorescent control and a Power Pack (PP-277H shown)

Neutral
White

277 VAC
60 Hz Feed

Hot
Black

Red
White

Black (120 VAC) *

Class 2 Wiring
#20 AWG

Lutron
PP-277 H

Red
Red

Blue

Black (Cap off)

Violet (+)

Class 2 Wiring Signal Wires – DO NOT CONNECT TO LINE VOLTAGE.
Lutron is not liable for damage due to miswiring.

*Wiring is similar for PP-120H, PP-230H, and PP-347H.
For PP-20, contact Lutron Technical Support at 1.800.523.9466
**Wiring diagram #39**

Power interfaces with 3-wire fluorescent control wiring:
Incandescent/halogen/magnetic low-voltage/electronic low-voltage

For neon/cold cathode loads, the B-wire dimmers low-end trim needs to be adjusted. Select a 3-wire dimmer that has an adjustable low-end trim.

*For Tu-Wire® loads replace PHPM-WBX-DV with a PHPM-PA-DW and wire the same*

**Wiring diagram #40**

Switching power interface:
Incandescent/halogen, MLV, ELV, Magnetic and Electronic fluorescent ballasts, HID

*Also compatible with motor loads.*
Wiring diagram #41
Fluorescent dimming ballast interface (PHPM-3F-DV-WH) with 3-wire fluorescent dimmer wiring
Wiring diagram #42
0-10V power interface (GRX-TVI) with 3-wire fluorescent dimmer wiring:
0-10V fluorescent ballast wiring shown

L2/H2 is the Hot/Live feed that powers the internal circuitry of the GRX-TVI. Use L2/H2 100-127V~ only if your line/mains voltage is 100-127V~.

Some 0-10 V LED and fluorescent loads require low-end trim adjustments. Select a 3-wire dimmer that has an adjustable low-end trim.

*0-10 VDC sink control
### Table of contents

<table>
<thead>
<tr>
<th>Product</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vierti®</td>
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<td>A20</td>
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<tr>
<td>Maestro Wireless®</td>
<td>A21</td>
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<td>A25</td>
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<td>A36</td>
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<td>Abella®</td>
<td>A39</td>
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<td>Ceana®</td>
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For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For ballast information, visit www.lutron.com/ballasts.

*Consult Lutron Technical Support for information on interfaces with Vierti.
Addendum | Advanced conceptual connections

Vierti®

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

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

*Consult Lutron Technical Support for information on interfaces with Vierti.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

*Consult Lutron Technical Support for information on interfaces with Vierti.
†Interface provides additional capacity and/or may be different voltage than dimmer.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For ballast information, visit [www.lutron.com/ballasts](http://www.lutron.com/ballasts).

† Interface provides additional capacity and/or may be different voltage than dimmer.
For illustration purposes only. Consult model number pages for specific voltage and capacity information. For ballast information, visit www.lutron.com/ballasts.

†Interface provides additional capacity and/or may be different voltage than dimmer.
Vareo®

Incandescent dimming

- Incandescent/Halogen
- Wallbox Phase Adaptive Interface
- Incandescent/MLV Dimmer

Neon/cold cathode dimming

- Neon/Cold Cathode
- Wallbox Phase Adaptive Interface
- 3-Wire Fluorescent Dimmer

Switched loads

- Non-Dim Lighting
- Switched Fan
- Switched Motors
- Switching Module
- Switch
- Switching Module

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

†Interface provides additional capacity and/or may be different voltage than dimmer.
Addendum | Advanced conceptual connections

Nova T®

3-wire fluorescent dimming

Lamps:
- Compact Twin Tube
- U-Bent
- Linear

Hi-lume®
- 3D Ballasts

Tu-Wire®
- Ballasts

Compact SE™

EcoSystem®
- Ballasts

Eco-10®
- Ballasts

Phase

Adaptive Power Interface

3-Wire Interface

3-Wire
- Fluorescent Dimmer

2-wire fluorescent dimming

Lamps:
- Compact
- Twin Tube
- Linear

0-10V fluorescent dimming

Lamps:
- Linear

Hi-lume®
- Ballasts

Tu-Wire®
- Ballasts

compact SETM
- Ballasts

EcoSystem®
- Ballasts

Compact
- Twin Tube

- U-Bent
- Linear

0-10V Ballasts
(by others)

0-10V Interface

Power Pack

0-10V Dimmer

3-Wire
- Fluorescent Dimmer

† Interface provides additional capacity and/or may be different voltage than dimmer.

†† PowerPack provides on/off switching to 0-10V load.

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

For ballast information, visit www.lutron.com/ballasts.

www.lutron.com | 1.800.523.9466 | CLUTRON
Nova T®

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

† Interface provides additional capacity and/or may be different voltage than dimmer.
†† PowerPack provides on/off switching to 0-10V load.
Novo T®

**Addendum | Advanced conceptual connections**

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

† Interface provides additional capacity and/or may be different voltage than dimmer.
Nova T®

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

3-wire fluorescent dimming

Lamps:
- Compact
- Twin Tube
- U-Bent
- Linear

Hi-lume®
- 3D Ballasts

EcoSystem®
- Ballasts

Eco-10®
- Ballasts

3-Wire
- Interface

3-Wire
- Fluorescent Dimmer

2-wire fluorescent dimming

Lamps:
- Compact
- Twin Tube
- U-Bent
- Linear

Tu-Wire®
- Ballasts

0-10V fluorescent dimming

Lamps:
- Linear

0-10V Ballasts
(by others)

3-Wire
- Interface

3-Wire
- Fluorescent Dimmer

Tu-Wire®
- Fluorescent Dimmer

3-Wire
- 0-10V Dimmer

3-Wire
- Fluorescent Dimmer

For illustration purposes only. Consult model number pages for specific voltage and capacity information. For ballast information, visit www.lutron.com/ballasts.

† Interface provides additional capacity and/or may be different voltage than dimmer.
†† PowerPack provides on/off switching to 0-10V load.
Nova®

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For more information on LED drivers, visit www.lutron.com/LED.
† Interface provides additional capacity and/or may be different voltage than dimmer.
††PowerPack provides on/off switching to 0-10 V load.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

† Interface provides additional capacity and/or may be different voltage than dimmer.
Centurion®

Incandescent dimming

Incandescent/Halogen

Incandescent Dimmer

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Addendum | Advanced conceptual connections

Maestro®

3-wire fluorescent dimming

<table>
<thead>
<tr>
<th>Lamps:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact</td>
</tr>
<tr>
<td>Twin Tube</td>
</tr>
<tr>
<td>U-Bent</td>
</tr>
<tr>
<td>Linear</td>
</tr>
</tbody>
</table>

2-wire fluorescent dimming

<table>
<thead>
<tr>
<th>Lamps:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compact</td>
</tr>
<tr>
<td>Twin Tube</td>
</tr>
</tbody>
</table>

0-10V fluorescent dimming

<table>
<thead>
<tr>
<th>Lamps:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Linear</td>
</tr>
</tbody>
</table>

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

† Interface provides additional capacity and/or may be different voltage than dimmer.
Addendum | Advanced conceptual connections

Maestro®

- **LED dimming**
  - Hi-lume® LED Driver
  - Low Voltage LED Lighting
  - 0-10 V LED Interface
  - 0-10 V LED Drivers (by others)

- **Low Voltage dimming**
  - Magnetic Low Voltage Transformer (by others)
  - Electronic Low Voltage Transformer (by others)
  - 0-10 V Interface
  - MLV Transformer (by others)
  - ELV Transformer (by others)
  - Wallbox Phase Adaptive Interface
  - Wallbox Phase Adaptive Interface

- **MLV Dimmer**
  - 3-Wire Fluorescent Dimmer

- **ELV Dimmer**
  - 3-Wire Fluorescent Dimmer

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

**Consult** www.lutron.com/LED for compatible 0-10 V LED drivers.

† Interface provides additional capacity and/or may be different voltage than dimmer.
Maestro®

Incandescent dimming

Incandescent/ Halogen

† Interface provides additional capacity and/or may be different voltage than dimmer.

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

Switched loads

- Non-Dim Lighting
- Switched Fan
- Switched Motors

Ceiling fan

- Ceiling Fan
- Fan Canopy Module
- Switching Module
- Fan/Light Control

Ceiling fan/light

- Fan/Light
- Fan Canopy Module
- Switching Module

Switch with Occupancy Sensor

- Switch
- Countdown Timer
- Switch
- Switch

Switched loads

- Switched loads
- Switching Module

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

*Refer to pg. 54 for specific load type.
†Interface provides additional capacity and/or may be different voltage than dimmer.
Maestro®

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

*Refer to pg. 54 for specific load type.
Maestro IR®

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Maestro Wireless®

3-wire fluorescent dimming

Lamps:
- Compact Twin Tube
- U-Bent Linear

Hi-lume®
- 3D Ballasts

EcoSystem®
- Ballasts

Eco-10®
- Ballasts

3-Wire Fluorescent Interface

3-Wire Fluorescent Dimmer

2-wire fluorescent dimming

Lamps:
- Compact Twin Tube
- U-Bent Linear

Tu-Wire®
- Ballasts

0-10V fluorescent dimming

Lamps:
- Linear

0-10V Ballasts
(by others)

Phase Adaptive Power Interface

3-Wire Fluorescent Dimmer

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

For ballast information, visit www.lutron.com/ballasts.

† Interface provides additional capacity and/or may be different voltage than dimmer.
Maestro Wireless®

LED dimming

Low Voltage LED Lighting

Neon/cold cathode dimming

Neon/Cold Cathode

Hi-lume® LED Driver

0-10 V LED Drivers (by others)

0-10 V Interface

3-Wire Fluorescent Interface

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

Wallbox Phase Adaptive Interface

** Consult www.lutron.com/LED for compatible 0-10 V LED drivers.
† Interface provides additional capacity and/or may be different voltage than dimmer.

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

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For more information on LED drivers, visit www.lutron.com/LED.
† Interface provides additional capacity and/or may be different voltage than dimmer.
Addendum | Advanced conceptual connections

Maestro Wireless®

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

*Refer to pg. 74 for specific load type.
†Interface provides additional capacity and/or may be different voltage than dimmer.
Addendum | Advanced conceptual connections

Spacer System®

3-wire fluorescent dimming

Lamps:
- Compact Twin Tube
- U-Bent
- Linear

Hi-lume®
- 3D Ballasts

Hi-lume®
- Ballasts

EcoSystem®
- Ballasts

Eco-10®
- Ballasts

3-Wire Fluorescent Interface

3-Wire Fluorescent Dimmer

2-wire fluorescent dimming

Lamps:
- Compact Twin Tube
- U-Bent
- Linear

Tu-Wire®
- Ballasts

0-10V fluorescent dimming

Lamps:
- Linear

0-10V Ballasts (by others)

† Interface provides additional capacity and/or may be different voltage than dimmer.

For illustration purposes only. Consult model number pages for specific voltage and capacity information. For ballast information, visit www.lutron.com/ballasts.
Addendum | Advanced conceptual connections

Spacer System®

LED dimming

Low Voltage LED Lighting

Hi-lume® LED Driver

MLV Transformer (by others)

MLV Dimmer

3-Wire Fluorescent Dimmer

Wallbox Phase Adaptive Interface

ELV Transformer (by others)

ELV Dimmer

3-Wire Fluorescent Dimmer

Wallbox Phase Adaptive Interface

0-10 V LED

0-10 V LED Drivers (by others)

10 V Interface

Electronic Low Voltage

MLV Transformer (by others)

3-Wire Fluorescent Dimmer

0-10 V LED Interface

Magnetic Low Voltage

Hi-lume®

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

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

**Consult www.lutron.com/LED for compatible 0-10 V LED drivers.

†Interface provides additional capacity and/or may be different voltage than dimmer.
Spacer System®

Incandescent dimming

- Incandescent/Halogen
  - Incandescent/Halogen Dimmer
  - Wallbox Phase Adaptive Interface
  - 3-Wire Fluorescent Dimmer

Switched loads

- Non-Dim Lighting
- Switched Fan
- Switched Motors
  - Switching Module
  - Switching Module
  - Switch
  - Switch
  - Switch

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

† Interface provides additional capacity and/or may be different voltage than dimmer.
**Diva®**

3-wire fluorescent dimming

Lamps:
- U-Bent
- Linear
- Compact
- Twin Tube

2-wire fluorescent dimming

Lamps:
- Compact
- Twin Tube

0-10V fluorescent dimming

Lamps:
- Linear

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

For ballast information, visit www.lutron.com/ballasts.

† Interface provides additional capacity and/or may be different voltage than dimmer.

†† PowerPack provides on/off switching to 0-10V load.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For more information on LED drivers, visit www.lutron.com/LED.
†Interface provides additional capacity and/or may be different voltage than dimmer.
††PowerPack provides on/off switching to 0-10 V load.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

†Interface provides additional capacity and/or may be different voltage than dimmer.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Lyneo® Lx

3-wire fluorescent dimming

Lamps:
- Compact Twin Tube
- U-Bent
- Linear

Hi-lume®
3D Ballasts

Hi-lume®
Ballasts

EcoSystem®
Ballasts

Eco-10®
Ballasts

Phase
Adaptive
Power Interface

3-Wire
Fluorescent
Dimmer

2-wire fluorescent dimming

Lamps:
- Compact
- U-Bent
- Linear

Tu-Wire®
Ballasts

Tu-Wire®
Fluorescent
Dimmer

3-Wire
Fluorescent
Dimmer

For illustration purposes only. Consult model number pages for specific voltage and capacity information. For ballast information, visit www.lutron.com/ballasts.

† Interface provides additional capacity and/or may be different voltage than dimmer.
**3-Wire Fluorescent Dimmer**

- **0-10 V Interface**
- **0-10 V LED Drivers (by others)**
- **0-10 V Ballasts (by others)**

**Hi-lume® LED Driver**

- **LED dimming**
- **Low Voltage LED Lighting**

**Lyneo® Lx**

- **0-10V fluorescent dimming**
- **Lamps: Linear**

---

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

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

†Interface provides additional capacity and/or may be different voltage than dimmer.
Lyneo® Lx

**Low Voltage dimming**
- Magnetic Low Voltage
- Electronic Low Voltage

**Ceiling fan**
- Ceiling Fan

**Switched loads**
- Non-Dim Lighting
- Switched Motors

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

† Interface provides additional capacity and/or may be different voltage than dimmer.
Skylark Contour™

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For illustration purposes only. Consult model number pages for specific voltage and capacity information. For ballast information, visit www.lutron.com/ballasts.

† Interface provides additional capacity and/or may be different voltage than dimmer.
For illustration purposes only. Consult model number pages for specific voltage and capacity information. For more information on LED drivers, visit www.lutron.com/LED.

† Interface provides additional capacity and/or may be different voltage than dimmer.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

† Interface provides additional capacity and/or may be different voltage than dimmer.
Abella®

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

*Refer to pg. 118 for specific load type.
†Interface provides additional capacity and/or may be different voltage than dimmer.
Ceana®

Low Voltage dimming

MLV Transformer
(by others)

Incandescent dimming

Incandescent/Halogen Dimmer

MLV Dimmer

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Addendum | Advanced conceptual connections

Ariadni®

3-wire fluorescent dimming

Lamps:
- Compact
- Twin Tube
- U-Bent
- Linear

LED dimming

Low Voltage LED Lighting

0-10 V LED Drivers (by others)

0-10 V Interface

3-Wire 0-10 V LED Interface

By others

Hi-lume® LED Driver

Hi-lume® 3D Ballasts

Hi-lume® Ballasts

EcoSystem® Ballasts

Eco-10® Ballasts

3-Wire Fluorescent Interface

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

3-Wire Fluorescent Dimmer

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

†Interface provides additional capacity and/or may be different voltage than dimmer.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

† Interface provides additional capacity and/or may be different voltage than dimmer.
Ariadni®

For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
For illustration purposes only. Consult model number pages for specific voltage and capacity information.
Table of contents

Standard architectural wallplates ......................... B1

Customized architectural wallplates .................... B1

Determine which architectural wallplate is right for your application ............... B2

How to construct a wallplate model number .................................................. B3

Derating tables ................................................................. B9

Multi-gang worksheet ............................................... B12
Standard architectural wallplates
Six popular 2-, 3- and 4-gang wallplates in nine matte colors (48-hours shipment available)

Fins broken wallplates (FB)
- Controls fit into standard size backboxes with standard size wallplates
- Dimmers must be derated, pg. 170

H: 4.56 in x W: 4.56 in

Customized architectural wallplates
Create a wallplate for any application

Fins broken wallplates (FB)
- Controls fit into standard size backboxes with standard size wallplates
- Dimmers must be derated
- Combines large and small controls

H: 4.56 in x W: 4.56 in

No fins broken wallplates (NFB)
- Controls require wider-than-standard backboxes and wallplates (see pgs. B7–B8)
- Dimmers can be used to their full capacity
- Combines large and small controls

H: 4.56 in x W: 5.41 in


Use with:
- Vareo®
- NovaT®
- Architectural accessories
- GRAFIK Eye® seeTouch®, and architectural style wallstations
- HomeWorks® controls

What’s included:
Adapter plate, screws, wallplate (inserts not included)

Lutron’s architectural style controls can be ganged at full dimmer capacity using “No Fins Broken” wallplates. When using “Fins Broken” wallplates, maximum dimmer capacity must be derated. See pg. 170 for complete information on derating a dimmer.
**Determine which architectural wallplate is right for your application**

**Standard architectural wallplates**

![Fins broken wallplates (FB)](image)

- 48-hour shipment available
- Use to conserve horizontal wall space

**Custom architectural wallplates**

![Fins broken wallplates (FB)](image)

- If you need to conserve horizontal wall space
- If you need to combine large and small controls
- If you need metal wallplates or custom colors

![No fins broken wallplates (NFB)](image)

- If you need to combine large and small controls
- If you need metal wallplates or custom colors
- Require full rating of dimmers

Lutron’s architectural style controls can be ganged at full dimmer capacity using “No Fins Broken” wallplates. When using “Fins Broken” wallplates, maximum dimmer capacity must be derated. See pg. 170 for complete information on derating a dimmer.
How to construct a wallplate model number
Use the following steps to order multi-gang, metal, and replacement wallplates

<table>
<thead>
<tr>
<th>1 product code</th>
<th>2 insert code(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>NT</strong></td>
<td>Thin profile (D: 0.3 in or 7.6 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Vareo®</td>
<td>NovaT™®</td>
</tr>
<tr>
<td></td>
<td>GRAFIK Eye®</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>N</strong></td>
<td>Wide profile (D: 0.65 in or 16.5 mm)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova®</td>
<td></td>
</tr>
</tbody>
</table>

The detachable face of the product is called an insert. Each product has its own Insert Code, see pgs. B5–B6 for a complete listing of model numbers and their insert codes.

Select Insert Codes and add to model numbers in left to right order as if looking at the front of the wallplate (see example at the bottom of this page).

Inserts used in a fins broken application. From left to right:
- NovaT™® (small control)
- Vareo® (small control)
- NovaT™® (large control)

**NT-SOL-FB-WH**
### 3 ganging code

<table>
<thead>
<tr>
<th>FB</th>
<th>NFB</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Fins broken" /></td>
<td><img src="image2" alt="No fins broken" /></td>
</tr>
</tbody>
</table>

Mixing small and large controls

**Correct:** group small and large at either end

**Incorrect:** do not alternate small and large

<table>
<thead>
<tr>
<th>Sm</th>
<th>Sm</th>
<th>Lg</th>
</tr>
</thead>
</table>

4.5 in required for vertical installations

<table>
<thead>
<tr>
<th>Lg</th>
<th>Sm</th>
<th>Sm</th>
</tr>
</thead>
</table>

Determine whether controls need to use maximum load capacity or can be derated. Derating is the reduction of the maximum capacity (load) a unit can reliably handle when fins/side sections are removed. A scored section along each side of the mounting plate/fin is designed to be removed to facilitate ganging.

See pg. 170 for more information about your specific product’s derated capacities. Note: If any controls are ganged under the same wallplate with no fins broken, then the ganging code is NFB.

### 4 color code

**Available colors**

<table>
<thead>
<tr>
<th>Colors (architectural matte finish) (3–5 days)*</th>
<th>Metals (special finishes) (4–6 weeks)†</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH White</td>
<td>GR Gray</td>
</tr>
<tr>
<td>BE Beige</td>
<td>TP Taupe</td>
</tr>
<tr>
<td>IV Ivory</td>
<td>BR Brown</td>
</tr>
<tr>
<td>AL Almond</td>
<td>BL Black</td>
</tr>
<tr>
<td>LA Light Almond</td>
<td>SI Sienna</td>
</tr>
</tbody>
</table>

**Colors**

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

**Metals**

- **SB** Satin Brass
- **BB** Bright Brass
- **BC** Bright Chrome
- **QB** Antique Brass
- **QZ** Antique Bronze
- **SC** Satin Chrome
- **SN** Satin Nickel
- **BN** Bright Nickel
- **AU** Gold Plated

**Anodized aluminum**

- **CLA** Clear
- **BLA** Black
- **BRA** Brass
- **BRA** Brass

Custom colors and finishes are available by providing Lutron® with a paint color number, swatch, or sample. Lutron can color match your controls. Contact Customer Service at 1.888.LUTRON1.


CAD file downloads available at [www.lutron.com/technical_info/cad](http://www.lutron.com/technical_info/cad).

**Note:**

- Most matte wallplates ship in 3-5 days; wider wallplates require additional time.
- Consult Lutron® Customer Service for pricing and delivery at 1.888.LUTRON1.
Addendum | Custom Architectural Wallplates

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Insert Code</th>
<th>Control Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vareo®</td>
<td></td>
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</tr>
<tr>
<td>V-600-</td>
<td>O</td>
<td>small</td>
</tr>
<tr>
<td>V-1000-</td>
<td>O</td>
<td>small</td>
</tr>
<tr>
<td>VETN-1000-</td>
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<tr>
<td>VETS-1000-</td>
<td>K</td>
<td>small</td>
</tr>
<tr>
<td>VETS-1000-SL-</td>
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<td>small</td>
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<tr>
<td>VETS-A-SL-</td>
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<td>small</td>
</tr>
<tr>
<td>VETS-R-</td>
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<td>O</td>
<td>small</td>
</tr>
<tr>
<td>Nova T®</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NT-1PS-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NT-3PS-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NT-4PS-</td>
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<tr>
<td>NT-600-</td>
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<tr>
<td>NT-603P-</td>
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<td>NT-1500-</td>
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<td>TF</td>
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</tr>
<tr>
<td>NT-DPDT-CO-MA-</td>
<td>S</td>
<td>small</td>
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<td>small</td>
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<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTELV-600-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTF-10-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTF-103P-</td>
<td>P</td>
<td>small</td>
</tr>
<tr>
<td>NTFS-6E-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTFS-12E-</td>
<td>L</td>
<td>large</td>
</tr>
<tr>
<td>NTFSQ-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTFTU-5A-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTFTV</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTLV-600-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTLV-603P-</td>
<td>P</td>
<td>small</td>
</tr>
<tr>
<td>NTLV-1000-</td>
<td>S</td>
<td>small</td>
</tr>
<tr>
<td>NTLV-1003P-</td>
<td>P</td>
<td>small</td>
</tr>
<tr>
<td>NTLV-1500-</td>
<td>L</td>
<td>large</td>
</tr>
<tr>
<td>NTLV-1503P-</td>
<td>U</td>
<td>large</td>
</tr>
</tbody>
</table>

Accessories

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Insert Code</th>
<th>Control Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>NT-6PF-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>NT-CJ-</td>
<td>9</td>
<td>small</td>
</tr>
<tr>
<td>NT-PJ-</td>
<td>8</td>
<td>small</td>
</tr>
<tr>
<td>NT-PJ8CJ-</td>
<td>TE</td>
<td>small</td>
</tr>
<tr>
<td>NT-PJ8X2-</td>
<td>TC</td>
<td>small</td>
</tr>
<tr>
<td>NT-PJ8X3-</td>
<td>TD</td>
<td>small</td>
</tr>
<tr>
<td>NTR-15-</td>
<td>R</td>
<td>small</td>
</tr>
<tr>
<td>NTR-15-GFCI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>NTR-15-IG-OR-</td>
<td>R1</td>
<td>small</td>
</tr>
<tr>
<td>NTR-20-</td>
<td>4</td>
<td>small</td>
</tr>
<tr>
<td>NTR-20-GFCI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>NTR-20-IG-OR-</td>
<td>R1</td>
<td>small</td>
</tr>
</tbody>
</table>

GRAFIK Eye® Wallstations

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Insert Code</th>
<th>Control Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>NTGRX-1S-</td>
<td>K</td>
<td>small</td>
</tr>
<tr>
<td>NTGRX-2B-SL-</td>
<td>T8</td>
<td>small</td>
</tr>
<tr>
<td>NTGRX-4B-</td>
<td>T5</td>
<td>small</td>
</tr>
<tr>
<td>NTGRX-4M-</td>
<td>T1</td>
<td>small</td>
</tr>
<tr>
<td>NTGRX-4S-</td>
<td>A</td>
<td>small</td>
</tr>
<tr>
<td>NTGRX-4S-IR-</td>
<td>A</td>
<td>small</td>
</tr>
<tr>
<td>NTGRX-SI4S-IR-</td>
<td>A</td>
<td>small</td>
</tr>
<tr>
<td>SG-2BI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>SG-4BI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>SG-4MI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>SG-4NRLI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>SG-4SI-</td>
<td>R3</td>
<td>small</td>
</tr>
<tr>
<td>SG-4SIRI-</td>
<td>R3</td>
<td>small</td>
</tr>
</tbody>
</table>

Blank Inserts and Yokes

For each blank ordered, order one yoke to attach wallplate to backbox.

- small blank insert: **E** small
- large blank insert: **G** large
- small yoke: **NT-YS**
- large yoke: **NT-yl**

*NT-2000-* must use NFB Series only.

*Product insert is permanently attached. Order the device in the color desired, wallplate will not have an insert to change the device color in the field.
## Model Number | Insert Code | Control Size
---|---|---
Nova®
N-1PS- | S | small
N-1PS-374- -CSA- | S | small
N-3PS- | S | small
N-3PS-374- -CSA- | S | small
N-4PS- | S | small
N-600- | S | small
N-603P- | P | small
N-1000- | S | small
N-1003P- | P | small
N-1500- | L | large
N-1503P- | U | large
N-2000- | L | large
N-2003P- | U | large
NELV-450- | S | small
NF-10- | S | small
NF-10-277- | L | large
NF-103P- | P | small
NF-103P-277- | P | small
NF-20- | L | large
NF-20-277- | L | large
NF-30- | L | large
NFS-6E- | S | small
NFS-12E- | L | large
NFTV- | S | small
NLV-600- | S | small
NLV-600P- | P | small
NLV-1000- | L | large
NLV-1003P- | P | small
NLV-1500- | L | large
NLV-1503P- | U | large
NLV-2003P- | U | large

### Available colors Nova T®/Vareo® ONLY

**Colors (architectural matte finish) (3-5 days)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH</td>
<td>White</td>
</tr>
<tr>
<td>BE</td>
<td>Beige</td>
</tr>
<tr>
<td>IV</td>
<td>Ivory</td>
</tr>
<tr>
<td>AL</td>
<td>Almond</td>
</tr>
<tr>
<td>LA</td>
<td>Light Almond</td>
</tr>
<tr>
<td>GR</td>
<td>Gray</td>
</tr>
<tr>
<td>TP</td>
<td>Taupe</td>
</tr>
<tr>
<td>BR</td>
<td>Brown</td>
</tr>
<tr>
<td>BL</td>
<td>Black</td>
</tr>
<tr>
<td>SI</td>
<td>Sienna</td>
</tr>
</tbody>
</table>

**Metals (special finishes) (4-6 weeks)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB</td>
<td>Satin Brass</td>
</tr>
<tr>
<td>BB</td>
<td>Bright Brass</td>
</tr>
<tr>
<td>BC</td>
<td>Bright Chrome</td>
</tr>
<tr>
<td>QB</td>
<td>Antique Brass</td>
</tr>
<tr>
<td>QZ</td>
<td>Antique Bronze</td>
</tr>
<tr>
<td>SC</td>
<td>Satin Chrome</td>
</tr>
<tr>
<td>SN</td>
<td>Satin Nickel</td>
</tr>
<tr>
<td>BN</td>
<td>Bright Nickel</td>
</tr>
<tr>
<td>AU</td>
<td>Gold Plated</td>
</tr>
</tbody>
</table>

### Anodized aluminum

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLA</td>
<td>Clear</td>
</tr>
<tr>
<td>BLA</td>
<td>Black</td>
</tr>
<tr>
<td>BRA</td>
<td>Brass</td>
</tr>
</tbody>
</table>

### Available colors Nova® ONLY

**Colors (architectural matte finish) (3-5 days)**

<table>
<thead>
<tr>
<th>Code</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>WH</td>
<td>White</td>
</tr>
<tr>
<td>BE</td>
<td>Beige</td>
</tr>
<tr>
<td>IV</td>
<td>Ivory</td>
</tr>
<tr>
<td>AL</td>
<td>Almond</td>
</tr>
<tr>
<td>LA</td>
<td>Light Almond</td>
</tr>
<tr>
<td>GR</td>
<td>Gray</td>
</tr>
<tr>
<td>TP</td>
<td>Taupe</td>
</tr>
<tr>
<td>BR</td>
<td>Brown</td>
</tr>
<tr>
<td>BL</td>
<td>Black</td>
</tr>
<tr>
<td>SI</td>
<td>Sienna</td>
</tr>
</tbody>
</table>

**Blank Inserts and Yokes**

*For each blank ordered, order one yoke to attach wallplate to backbox.*

- small blank insert: **E**
- large blank insert: **G**

*small yoke: N-YS
**large yoke: N-YL

*Most matte wallplates ship in 3–5 days; wider wallplates require additional time.*

†Consult Lutron® Customer Service for pricing and delivery at 1.888.LUTRON1.
No fins broken wallplates (NFB) (no derating required—full rated capacity)
- For Vareo® and Nova T® installations
- NT-2000- can be used

<table>
<thead>
<tr>
<th>Number of Small Controls</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Large Controls</td>
<td>0</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>NA</td>
<td>1</td>
<td>1+1</td>
<td>4</td>
<td>4+1</td>
<td>7</td>
</tr>
<tr>
<td></td>
<td>2.75 in</td>
<td>5.41 in</td>
<td>8.14 in</td>
<td>10.86 in</td>
<td>13.50 in</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>3</td>
<td>5</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4.56 in</td>
<td>7.22 in</td>
<td>10.01 in</td>
<td>12.68 in</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>6</td>
<td>7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>9.09 in</td>
<td>11.82 in</td>
<td>14.49 in</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>13.63 in</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For larger wallplate configurations, contact Lutron® Customer Service.

Note: When ganging an even number of small controls, use backboxes with tapped ears.
Do not use plaster rings or gangbox covers.
Fins broken wallplates (FB) (derating required)
• for Vareo® and Nova T® installations

<table>
<thead>
<tr>
<th>Number of Small Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>NA</td>
</tr>
<tr>
<td>4.56 in</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>8.20 in</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>11.85 in</td>
</tr>
</tbody>
</table>

Example: plus sign (1 + 1) two small controls
The plus sign (1 + 1) indicates the need for additional backboxes connected by a chase nipple or spacer with 3/4 in separation as shown.

See pgs. B5–B6 for small and large control model numbers.

Use a spacer, chase nipple or Lutron® part# PLUS-ADAPTER® -3.5.

Two single-gang backboxes connected by a chase nipple with 3/4 in separation.

Two small controls mounted on a no fins broken adapter plate (provided with wallplate).

No Fins Broken (NFB) screwless seamless wallplate with no visible hardware NT-SS-NFB-WH.
### Derating Table 1

**New Architectural | Vierti**  
**Designer | Maestro®, Maestro IR®, Maestro Wireless®, Spacer System®, Diva®, Lyneo® Lx, Skylark Contour™, Skylark®**  
**Traditional | Abella®, Ceana®, Ariadni®, Glyder®, Rotary**

<table>
<thead>
<tr>
<th>Incandescent</th>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimmers</td>
<td>600 W</td>
<td>500 W</td>
<td>400 W</td>
</tr>
<tr>
<td></td>
<td>1000 W</td>
<td>800 W</td>
<td>650 W</td>
</tr>
<tr>
<td>Dual dimmers</td>
<td>300 W</td>
<td>250 W</td>
<td>200 W</td>
</tr>
<tr>
<td></td>
<td>300 W</td>
<td>250 W</td>
<td>200 W</td>
</tr>
<tr>
<td><strong>Magnetic low-voltage</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600 VA/450 W</td>
<td>500 VA/400 W</td>
<td>400 VA/300 W</td>
</tr>
<tr>
<td></td>
<td>1000 VA/800 W</td>
<td>800 VA/650 W</td>
<td>650 VA/500 W</td>
</tr>
<tr>
<td><strong>Electronic low-voltage</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>300 W</td>
<td>250 W</td>
<td>200 W</td>
</tr>
<tr>
<td></td>
<td>500 W</td>
<td>450 W</td>
<td>400 W</td>
</tr>
<tr>
<td></td>
<td>600 W</td>
<td>500 W</td>
<td>400 W</td>
</tr>
<tr>
<td><strong>Fluorescent</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vierti</td>
<td>60 ballasts/6 A</td>
<td>50 ballasts/5 A</td>
<td>35 ballasts/3.5 A</td>
</tr>
<tr>
<td>Maestro/Spacer System</td>
<td>20 ballasts/6 A</td>
<td>20 ballasts/5 A</td>
<td>20 ballasts/3.5 A</td>
</tr>
<tr>
<td>Diva, Skylark, Lyneo Lx and Ariadni</td>
<td>no derating</td>
<td>no derating</td>
<td>no derating</td>
</tr>
<tr>
<td>Tu-Wire®: Spacer System, Diva, Skylark</td>
<td>5 A</td>
<td>4 A</td>
<td>3.3 A</td>
</tr>
</tbody>
</table>

**Fan controls**
- Quiet 7-speed: 1.0 A/300 W  
- Quiet 3-speed: 1.5 A  
- Fully variable: 5 A

**Fan/light controls**
- Quiet 7-speed: 1.0 A/300 W  
- Quiet 3-speed: 1.5 A/300 W
- Fully variable: 2.5 A/300 W

**Electronic switches**
- Vierti: 6 A/3 A  
- Maestro (light/fan): 8 A/3 A  
- Abella (light/fan): 6 A/3 A
## Derating Table 2

### Architectural | Vareo®, Nova T™

<table>
<thead>
<tr>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Incandescent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600W</td>
<td>500W</td>
</tr>
<tr>
<td></td>
<td>1000W</td>
<td>900W</td>
</tr>
<tr>
<td></td>
<td>1500W</td>
<td>1250W</td>
</tr>
<tr>
<td></td>
<td>1950W</td>
<td>–</td>
</tr>
<tr>
<td><strong>Magnetic low-voltage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600 VA/450W</td>
<td>500 VA/400W</td>
</tr>
<tr>
<td></td>
<td>1000 VA/800W</td>
<td>900 VA/750W</td>
</tr>
<tr>
<td></td>
<td>1500 VA/1200W</td>
<td>1250 VA/1000W</td>
</tr>
<tr>
<td><strong>Electronic low-voltage</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>300W</td>
<td>300W</td>
</tr>
<tr>
<td></td>
<td>600W</td>
<td>500W</td>
</tr>
<tr>
<td><strong>Fluorescent</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vareo</td>
<td>20 ballasts/8A</td>
<td>20 ballasts/6A</td>
</tr>
<tr>
<td>Nova T™</td>
<td>6A</td>
<td>no derating</td>
</tr>
<tr>
<td></td>
<td>8A</td>
<td>no derating</td>
</tr>
<tr>
<td></td>
<td>16A</td>
<td>no derating</td>
</tr>
<tr>
<td>0-10 VDC control</td>
<td>30 mA ballasts</td>
<td>no derating</td>
</tr>
<tr>
<td>Tu-Wire®</td>
<td>5A</td>
<td>4A</td>
</tr>
<tr>
<td><strong>Fan controls</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Quiet 3-speed</td>
<td>1.5A</td>
<td>no derating</td>
</tr>
<tr>
<td>Fully variable</td>
<td>6A</td>
<td>4.2A</td>
</tr>
<tr>
<td>Fully variable</td>
<td>12A</td>
<td>10A</td>
</tr>
<tr>
<td><strong>Electronic tapswitches</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>VETS-1000-</td>
<td>1000W</td>
<td>800W</td>
</tr>
<tr>
<td>VETS-1000-SL-</td>
<td>1000W</td>
<td>900W</td>
</tr>
<tr>
<td>VETN-1000-</td>
<td>1000 VA</td>
<td>700 VA</td>
</tr>
</tbody>
</table>

For further information on ganging Nova®, visit [www.lutron.com/customganging](http://www.lutron.com/customganging).

1PowerPack required for line voltage switching.
2VETS-R-Auxiliary electronic tapswitches do not require derating.
## Derating Table 3

### Architectural | Nova®

<table>
<thead>
<tr>
<th></th>
<th>No fins broken</th>
<th>1 fin broken</th>
<th>2 fins broken</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Incandescent</strong>(^1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600 W</td>
<td>600 W</td>
<td>600 W</td>
</tr>
<tr>
<td></td>
<td>1000 W</td>
<td>900 W</td>
<td>700 W</td>
</tr>
<tr>
<td></td>
<td>1500 W</td>
<td>1250 W</td>
<td>1000 W</td>
</tr>
<tr>
<td></td>
<td>2000 W</td>
<td>1800 W</td>
<td>1500 W</td>
</tr>
<tr>
<td><strong>Magnetic low-voltage</strong>(^1)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>600 VA/450 W</td>
<td>600 VA/450 W</td>
<td>500 VA/400 W</td>
</tr>
<tr>
<td></td>
<td>1000 VA/800 W</td>
<td>900 VA/750 W</td>
<td>700 VA/500 W</td>
</tr>
<tr>
<td></td>
<td>1500 VA/1200 W</td>
<td>1250 VA/1000 W</td>
<td>1000 VA/800 W</td>
</tr>
<tr>
<td></td>
<td>2000 VA/1600 W</td>
<td>1800 VA/1500 W</td>
<td>1500 VA/1200 W</td>
</tr>
<tr>
<td><strong>Electronic low-voltage</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimmers</td>
<td>450 W</td>
<td>400 W</td>
<td>350 W</td>
</tr>
<tr>
<td><strong>Fluorescent</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Nova</td>
<td>16 A</td>
<td>no derating</td>
<td>no derating</td>
</tr>
<tr>
<td></td>
<td>8 A</td>
<td>no derating</td>
<td>no derating</td>
</tr>
<tr>
<td></td>
<td>6 A</td>
<td>no derating</td>
<td>no derating</td>
</tr>
<tr>
<td>0-10VDC control</td>
<td>60 ballasts / 16 A</td>
<td>no derating</td>
<td>no derating</td>
</tr>
<tr>
<td>Tu-Wire®</td>
<td>5 A</td>
<td>4 A</td>
<td>3.3 A</td>
</tr>
<tr>
<td><strong>Fan controls</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fully variable</td>
<td>6 A</td>
<td>5.5 A</td>
<td>5 A</td>
</tr>
<tr>
<td></td>
<td>12 A</td>
<td>11 A</td>
<td>10 A</td>
</tr>
</tbody>
</table>

Controls must have side sections removed to gang if using VWP wallplates.

\(^1\)Recommended 40 W minimum load.
**Multi-gang Worksheet (1–6 Gang Installation)**

- For use with Vareo®, NovaT® and Nova®
- Outline wallplate gang size below with a marker (cross out the rest)

<table>
<thead>
<tr>
<th>Wallplate Thickness:</th>
<th>Thin Profile</th>
<th>or</th>
<th>Heavy Duty Nova®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wallplate Width:</td>
<td>FB (Fins Broken)</td>
<td>or</td>
<td>NFB (No Fins Broken)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Position 1</th>
<th>Position 2</th>
<th>Position 3</th>
<th>Position 4</th>
<th>Position 5</th>
<th>Position 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Type</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Load Size W/VA/A</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Fins Removed</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Control Model Number</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Full Rating (No Fins Broken)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Derated Capacity (Fins Broken)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Small or Large Control</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wallplate Insert Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Interface (if needed)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Wallplate Thickness:**
- Thin Profile
- Heavy Duty Nova®

**Wallplate Width:**
- FB (Fins Broken)
- NFB (No Fins Broken)

**Wallplate Model #:** ____________________________

**Wallplate Color:** ____________________________

**Customization:**
- Engraving
- Custom Color
- Silk Screen

**Backbox Configurations:** ____________________________

**Load Type**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Load Size W/VA/A**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Number of Fins Removed**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Control Model Number**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Full Rating (No Fins Broken)**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Derated Capacity (Fins Broken)**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Small or Large Control**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Wallplate Insert Code**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Interface (if needed)**
- Position 1
- Position 2
- Position 3
- Position 4
- Position 5
- Position 6

**Vertical Installations**
- No Fins Broken
- 4.5” Required

**Mounting Small and Large Controls**
- Mount using center or offset mounting holes as needed.
- Sm Sm Lg Lg Sm Sm
- Lg Sm Lg Sm Lg Lg

**Mixing Small and Large Controls**
- Group large controls together on one end of the wallplate. Do not alternate large and small controls.
- Sm Sm Lg Lg Sm Sm
- Lg Sm Lg Sm Lg Lg

**Cooper’sburg, PA 18036**

**Phone:** 1.888.LUTRON1

**FAX:** 610.282.3090

**For additional information use the Wallplate Selector tool located on the Lutron® website at [www.lutron.com/lutron/wallplate](http://www.lutron.com/lutron/wallplate).**