



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

### Product family features









- Rocker switch returns light to your favorite light level
- Slide up to brighten, down to dim (adjust light to suit any activity)
- **eco-dim®** model available
- 1000 W preset dimmers have voltage compensation which maintains stable light levels, despite line voltage variations
- 100% factory tested
- Coordinating Claro® and Stainless Steel wallplates only available separately
- Custom engraving 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
-  Fluorescent lighting
-  LED lighting
-  Dimmable compact fluorescent
-  Ceiling fans
-  Ceiling fan/lights

### Load type requiring load interface

 Neon/cold cathode lighting

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

For additional information, see pg. 174.

### Available finishes

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

Gloss finishes\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black



**SS**  
Stainless Steel

\*Coordinating wallplates only available separately. For wallplate information, see pg. 160.

Stainless Steel wallplate includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls.

## Dimmers

### Slide-to-off dimmers



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

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



- Rocker switch turns on/off
- Slide up to brighten; down to dim
- Includes amber locator light

### Dimmers with on/off switch



- Rocker switch turns on/off
- Slide up to brighten; down to dim
- **eco-dim**® model guarantees at least 15% energy savings compared to a standard switch

## Fan and fan/light controls

### Slide-to-off fan controls



- Slide up to on/increase speed; down to decrease/off
- 3-quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Quiet 3-speed designed to prevent motor hum
- Fully variable model also available

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



#### Fan control (top)

- Slide up to on/increase fan speed; down to decrease fan speed/off
  - 3-quiet fan speeds for increased comfort
  - For use with only one ceiling paddle fan
  - Quiet 3-speed designed to prevent motor hum
- #### Switch (bottom)
- Rocker switch turns light on/off

## Dual devices

### Dual slide-to-off dimmers (two loads)



#### Dimmers (left/right)

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

### Dual slide-to-off fan control and dimmer



#### Fan control (left)

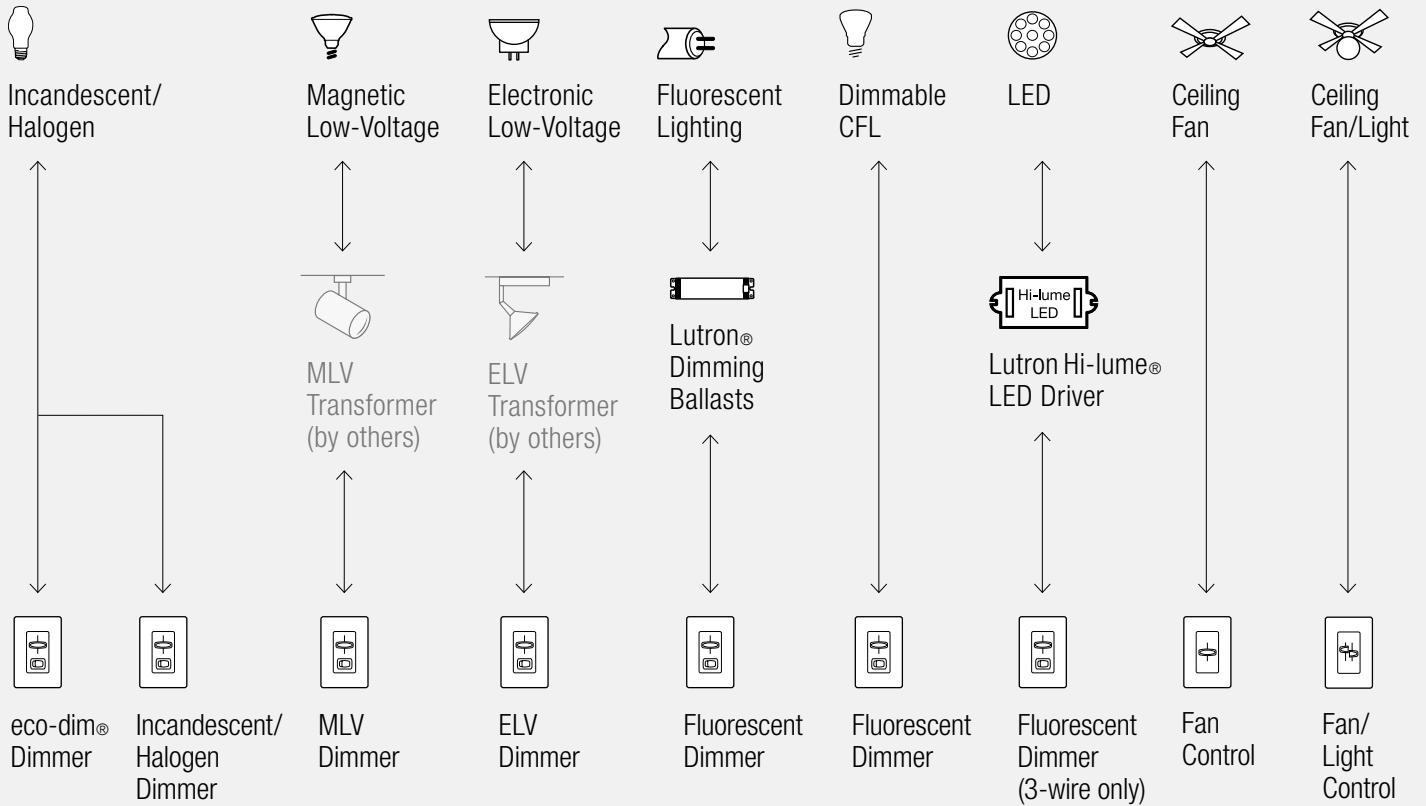
- Slide up to on/increase speed; down to decrease/off
- 3-quiet fan speeds for increased comfort
- Quiet 3-speed designed to prevent motor hum
- Fully variable available for use with multiple paddle or exhaust fans

#### Dimmer (right)

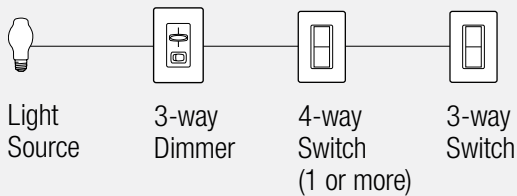
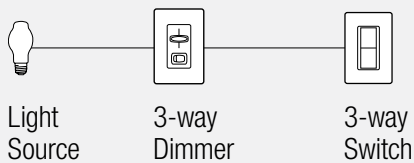
- Slide up to on/brighten; down to dim/off

Connections overview

Load connections\*



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](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 dimmers**

**Dimmers with on/off switch**

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

**eco-dim® dimmer with on/off switch**

|                                |                                 |
|--------------------------------|---------------------------------|
| 3-way/single-pole<br>120V 600W | S-603PG- <b>EE</b> <sup>2</sup> |
|--------------------------------|---------------------------------|

eco-dim model guarantees at least 15% energy savings compared to a standard switch.

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

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

**Slide-to-off dimmers**

|                           |                                |
|---------------------------|--------------------------------|
| Single-pole<br>120V 600W  | S-600- <b>CC</b> <sup>3</sup>  |
| Single-pole<br>120V 1000W | S-1000- <b>CC</b> <sup>3</sup> |

For dual slide-to-off dimmers (two loads), see page 111.

 **Magnetic low-voltage dimmers**

**Dimmers with on/off switch**

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

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

 **Electronic low-voltage dimmers\***

**Dimmers with on/off switch**

|                          |                                   |
|--------------------------|-----------------------------------|
| Single-pole<br>120V 300W | SELV-300P- <b>CC</b> <sup>3</sup> |
| 3-way<br>120V 300W       | SELV-303P- <b>CC</b> <sup>3</sup> |

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

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
**EE**<sup>2</sup>: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)  
 (Wallplates not included, order separately, see pg. 160)

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

**\*Requires neutral wire connection.**

### Dimmer model numbers

#### 3-wire fluorescent dimmers\*

##### Dimmers with on/off switch

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

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

No derating required if ganged.

Adjustable low-end trim.

#### Hi-lume® LED drivers: 3-wire fluorescent dimmers\*

##### Dimmers with on/off switch

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

For use with Hi-lume LED driver only.

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

No derating required if ganged.

Adjustable low-end trim.

#### Tu-Wire® fluorescent dimmers

##### Dimmers with on/off switch

|                              |                                   |
|------------------------------|-----------------------------------|
| 3-way/single-pole<br>120V 5A | SFTU-5A3P- <b>CC</b> <sup>3</sup> |
|------------------------------|-----------------------------------|

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.

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
(Wallplates not included, order separately,  
see pg. 160)

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.

\*Requires neutral wire connection.

## Fan control model numbers

### ✂ Fan controls

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

|             |                                |
|-------------|--------------------------------|
| Single-pole | SFSQ-F- <b>CC</b> <sup>3</sup> |
| 120V 1.5A   |                                |

|             |                                   |
|-------------|-----------------------------------|
| Single-pole | SFSQ-F-HO- <b>CC</b> <sup>3</sup> |
| 120V 2.0A   |                                   |

For use with only one ceiling paddle fan.

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

#### Slide-to-off fan control—fully variable

|             |                                |
|-------------|--------------------------------|
| Single-pole | SFS-5E- <b>CC</b> <sup>3</sup> |
| 120V 5A     |                                |

For use with multiple ceiling paddle fans or exhaust fans.

### ✂ Fan/light controls

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

|                         |                                 |
|-------------------------|---------------------------------|
| Single-pole fan control | S2-LFSQ- <b>CC</b> <sup>3</sup> |
| 120V 1.5A (left)        |                                 |

|                                      |  |
|--------------------------------------|--|
| 120V single-pole dimmer 300W (right) |  |
|--------------------------------------|--|

For use with only one ceiling paddle fan.

#### Fan control—fully variable and dimmer

|                         |                               |
|-------------------------|-------------------------------|
| Single-pole fan control | S2-LF- <b>CC</b> <sup>3</sup> |
| 120V 2.5A (left)        |                               |

|                                      |  |
|--------------------------------------|--|
| 120V single-pole dimmer 300W (right) |  |
|--------------------------------------|--|

For use with multiple ceiling paddle fans.

### ✂ Fan control/light switch

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

|                         |                                 |
|-------------------------|---------------------------------|
| Single-pole fan control | SFSQ-LF- <b>CC</b> <sup>3</sup> |
| 120V 1.5A (top)         |                                 |

|  |  |
|--|--|
| 120V single-pole switch 360W (bottom)<br>(incandescent/halogen loads only) |  |
|--|--|


**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
(Wallplates not included, order separately,  
see pg. 160)

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

**\*Requires neutral wire connection.**



**Dual device model numbers**

 **Incandescent/halogen and  
Incandescent/halogen dimmers**

Dual slide-to-off dimmers (two loads)

|   |                              |
|---|------------------------------|
| Single-pole                                     | S2-L- <b>CC</b> <sup>3</sup> |
| 120V 300W light (left)<br>incandescent/halogen  |                              |
| 120V 300W light (right)<br>incandescent/halogen |                              |

**Replacement knob model numbers**

 **Knobs**

|               |                            |
|---------------|----------------------------|
| Single-pole   | SK- <b>EE</b> <sup>2</sup> |
| Standard knob |                            |
| Split knobs   | contact customer service   |

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
(Wallplates not included, order separately,  
see pg. 160)

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

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

Accessories

Wallplates



Shown actual size:  
2-gang Claro® wallplate  
in White (WH).  
For more information  
about Designer wallplates,  
see pg. 160.

Coordinated electrical devices



Tamper resistant  
GFCI receptacle

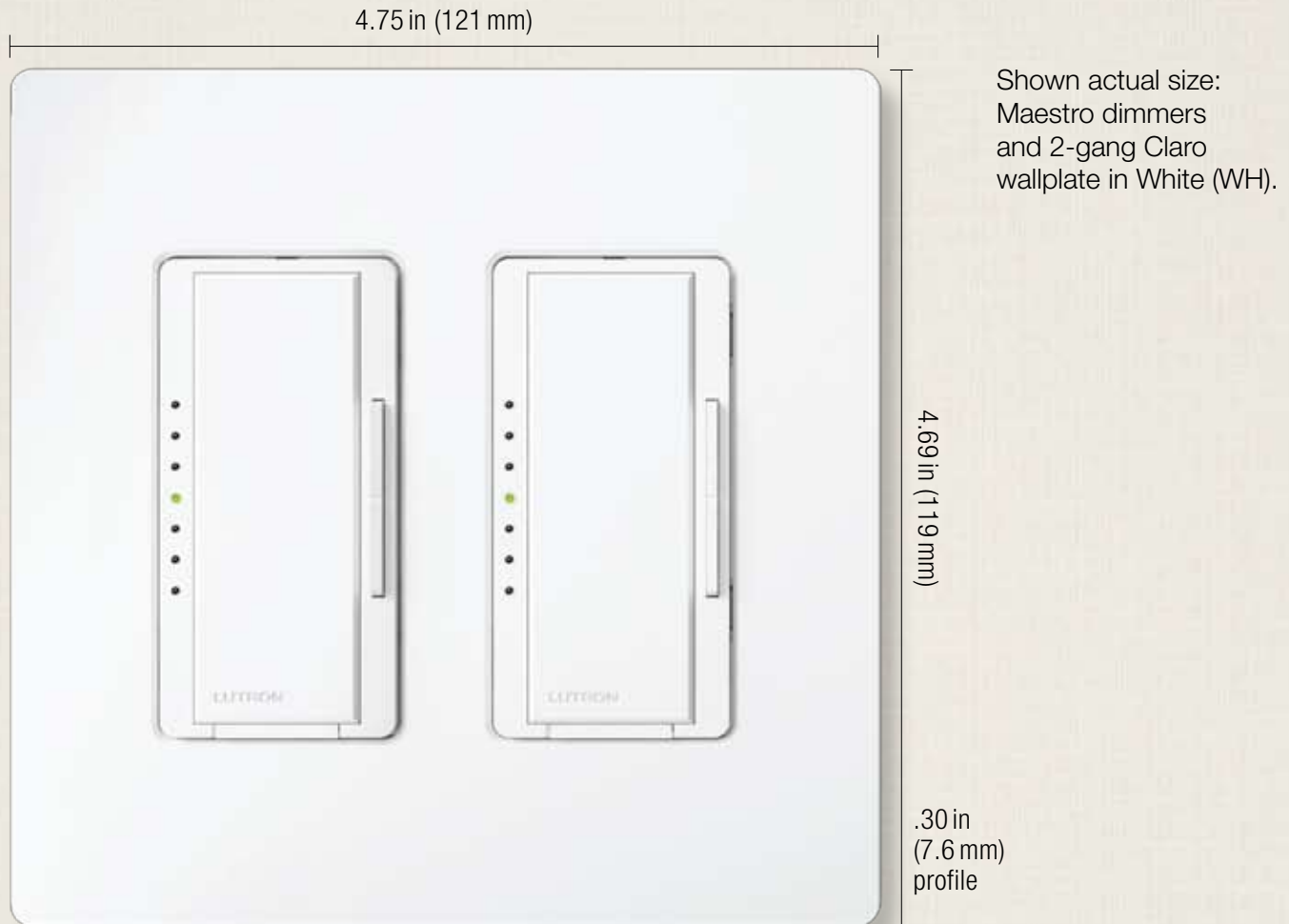


Customizable  
6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see pg. 163.



### Product family features

- Can be used in conjunction with the following dimmer(s) and switch(es): Maestro®, Maestro IR®, Maestro Wireless®, Pico™ wireless control, Spacer System®, Diva®, Lyneo® Lx, Skylark®, Skylark Contour™
- All Lutron® wallplates are screwless, seamless and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Full line of wiring devices in designer style opening
- Blank inserts available for Gloss colors (DV-BI-) and Satin colors (SC-BI-)
- Customize your designer wallplate with engraving, contact customer service to get started at 1.888.LUTRON1

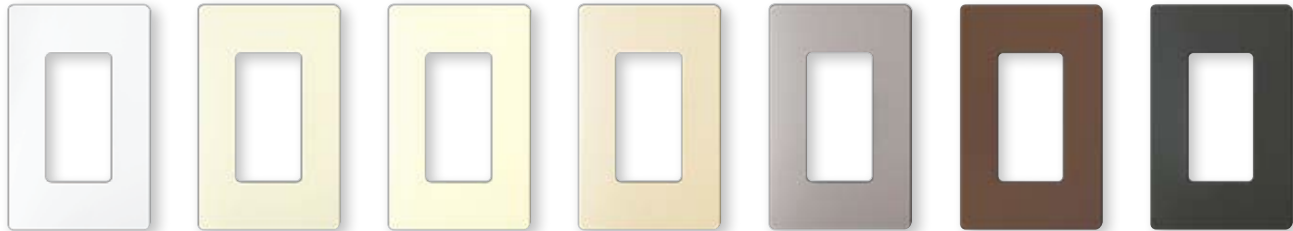
### Ganging and derating

- Designer wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see 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: SC-1-**PL**)

Gloss finishes



**WH**  
White

**LA**  
Light Almond

**AL**  
Almond

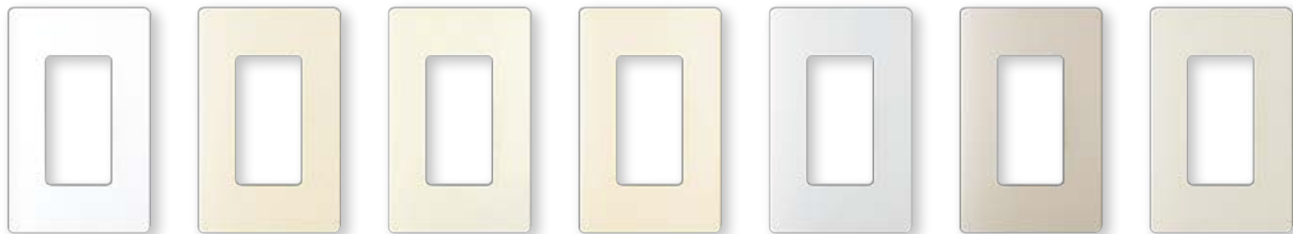
**IV**  
Ivory

**GR**  
Gray

**BR**  
Brown

**BL**  
Black

Satin finishes



**SW**  
Snow

**LS**  
Limestone

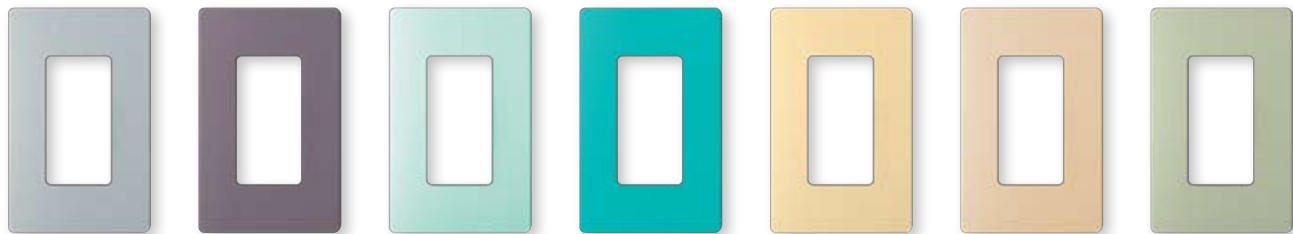
**BI**  
Biscuit

**ES**  
Eggshell

**PD**  
Palladium

**TP**  
Taupe

**ST**  
Stone



**BG**  
Bluestone

**PL**  
Plum

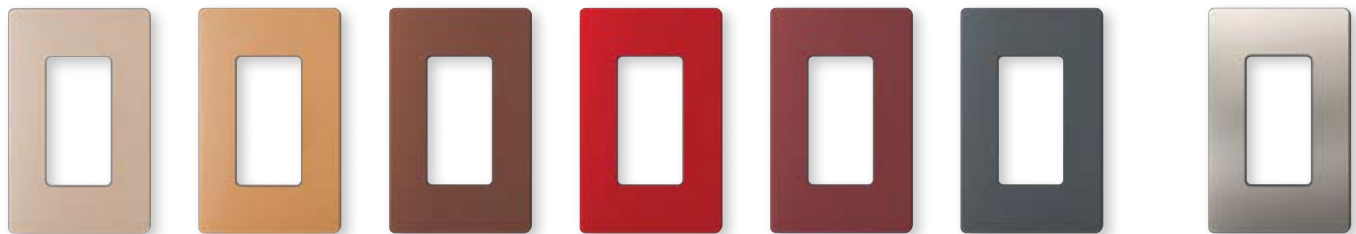
**SG**  
Sea Glass

**TQ**  
Turquoise

**GS**  
Goldstone

**DS**  
Desert Stone

**GB**  
Greenbriar



**MS**  
Mocha Stone

**TC**  
Terracotta

**SI**  
Sienna

**HT**  
Hot

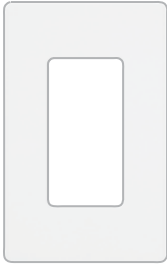
**MR**  
Merlot

**MN**  
Midnight

**SS**  
Stainless Steel\*

\*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.

Wallplates for Maestro®, Maestro IR®, Maestro Wireless®, Pico™ wireless control, Spacer System®, Diva®, Lyneo® Lx, Skylark® and Skylark Contour™



1-gang\*

CW-1-**CC**<sup>2</sup>  
SC-1-**CC**<sup>4</sup>

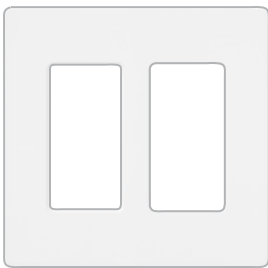
W: 2.94 in (75 mm); H: 4.69 in (119 mm)  
D: .30 in (7.6 mm)



4-gang\*

CW-4-**CC**<sup>2</sup>  
SC-4-**CC**<sup>4</sup>

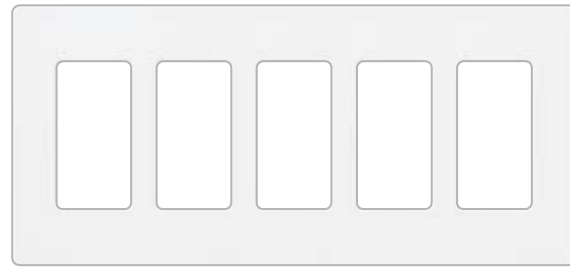
W: 8.37 in (213 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



2-gang\*

CW-2-**CC**<sup>2</sup>  
SC-2-**CC**<sup>4</sup>

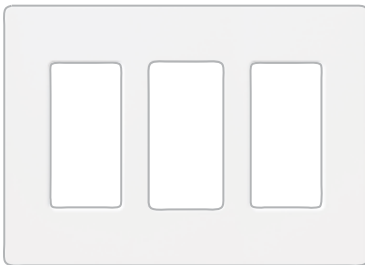
W: 4.75 in (121 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



5-gang\*

CW-5-**CC**<sup>2</sup>  
SC-5-**CC**<sup>4</sup>

W: 10.18 in (259 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



3-gang\*

CW-3-**CC**<sup>2</sup>  
SC-3-**CC**<sup>4</sup>

W: 6.56 in (167 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)

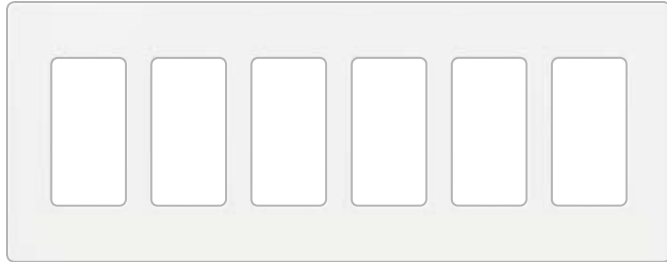
Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox, see Application Note #213 (Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box) at [www.lutron.com/applicationnotes](http://www.lutron.com/applicationnotes).

**CC**<sup>2</sup>: Gloss and Stainless Steel color codes, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

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

\*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.



6-gang\* CW-6-**CC**<sup>2</sup>  
SC-6-**CC**<sup>4</sup>

W: 12.00in (305mm); H: 4.69in (119mm);  
D: .30in (7.6mm)

**Cable jacks**



- F-style, 75-Ohm coaxial cable

Single cable jack\* CA-CJH-**CC**<sup>3</sup>  
SC-CJ-**CC**<sup>4</sup>

**Telephone jacks**



- 6-conductor telephone jack, RJ11

Single telephone jack\* CA-PJH-**CC**<sup>3</sup>  
SC-PJ-**CC**<sup>4</sup>

**CC**<sup>2</sup>: Gloss and Stainless Steel color codes, see pg. 161

**CC**<sup>3</sup>: Gloss color codes, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

**Receptacles**



**Tamper resistant receptacles**

|            |                                    |
|------------|------------------------------------|
| 15A, 125V* | CARS-15-TR- <b>CC</b> <sup>3</sup> |
|            | SCRS-15-TR- <b>CC</b> <sup>4</sup> |
| 20A, 125V* | SCRS-20-TR- <b>CC</b> <sup>4</sup> |

**Receptacles**

|            |                                 |
|------------|---------------------------------|
| 15A, 125V* | CAR-15H- <b>CC</b> <sup>3</sup> |
|            | SCR-15- <b>CC</b> <sup>4</sup>  |
| 20A, 125V* | SCR-20- <b>CC</b> <sup>4</sup>  |

**GFCI Receptacles**



- Press test button to confirm LED indicator status
- Press reset button to reset GFCI after circuit interruption

**Tamper resistant GFCI receptacles**

|            |      |                                     |
|------------|------|-------------------------------------|
| 15A, 125V* | GFCI | CAR-15-GFTR- <b>CC</b> <sup>3</sup> |
|            |      | SCR-15-GFTR- <b>CC</b> <sup>4</sup> |
| 20A, 125V* | GFCI | SCR-20-GFTR- <b>CC</b> <sup>4</sup> |

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

**Receptacles for dimming use**



- Duplex for dimming both connected loads
- Projecting nubs prevent standard plugs from being used
- Requires replacement plugs for dimming use

**Duplex for dimming use**

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-DFDU- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-DFDU- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-DFDU- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-DFDU- <b>CC</b> <sup>4</sup> |

**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

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

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-HFDU- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-HFDU- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-HFDU- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-HFDU- <b>CC</b> <sup>4</sup> |

**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
- Tamper resistant shutter mechanism

**Dual dimming tamper resistant**

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-DDTR- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-DDTR- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-DDTR- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-DDTR- <b>CC</b> <sup>4</sup> |

**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
- Tamper resistant shutter mechanism

**Half dimming tamper resistant**

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-HDTR- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-HDTR- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-HDTR- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-HDTR- <b>CC</b> <sup>4</sup> |

**CC**<sup>2</sup>: Gloss color code and Stainless Steel, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

**Replacement plug for dimming  
(use with receptacles on left)**



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

|                   |              |
|-------------------|--------------|
| 120/125V<br>White | RP-FDU-10-WH |
| 120/125V<br>Brown | RP-FDU-10-BR |

UL/CSA/NOM regulatory approvals.

**Important notes**

- If the hot and dimmed hot feeds to the split duplex HFDDU 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 HFDDU.
- 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 DFDDU must be used.
- 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](http://www.lutron.com/applicationnotes).

**CC**<sup>2</sup>: Gloss color code and Stainless Steel, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.



**Field customizable 6-port frame**




- Shipped with six blanks in matching colors
- Connectors and wallplate sold separately
- Connectors snap in (no tools required)
- Connectors available in White (WH), unless noted





|               |  |
|---------------|--|
| 6-port frame* | CA-6PF- <b>CC</b> <sup>3</sup><br>SC-6PF- <b>CC</b> <sup>4</sup> |
|---------------|--|

**Connectors for 6-port frame**

**Telephone/network jacks**

|  |                                    |
|--|------------------------------------|
|  8-conductor, RJ45 category 3 | CON-1P-C3- <b>EE</b> <sup>4</sup>  |
| 8-conductor, RJ45 category 5e  | CON-1P-C5E- <b>EE</b> <sup>4</sup> |
| 8-conductor, RJ45 category 6   | CON-1P-C6- <b>EE</b> <sup>4</sup>  |


**Fiber jacks**

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

**Cable jack**

|   |                                |
|---|--------------------------------|
|  F-style, 75-Ohm coaxial cable | CON-1C- <b>EE</b> <sup>4</sup> |
|---|--------------------------------|

**BNC jack**

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

Connectors only for use with 6-port frame.

**Switches**



- Paddle turns on/off
- Use with any 15A load
- General purpose switching of all sources and motor loads
- No derating if ganged

**General purpose switches (120/277 V)**

|             |      |   |
|-------------|------|---|
| Single-pole | 15A* | CA-1PSH- <b>CC</b> <sup>3</sup><br>SC-1PS- <b>CC</b> <sup>4</sup> |
| 3-way       | 15A* | CA-3PSH- <b>CC</b> <sup>3</sup><br>SC-3PS- <b>CC</b> <sup>4</sup> |
| 4-way       | 15A* | CA-4PSH- <b>CC</b> <sup>3</sup><br>SC-4PS- <b>CC</b> <sup>4</sup> |

**General purpose switch with locator light (120V only)**

|             |      |   |
|-------------|------|---|
| Single-pole | 15A* | CA-1PSNL- <b>EE</b> <sup>2</sup><br>SC-1PSNL- <b>EE</b> <sup>10</sup> |
| 3-way       | 15A* | CA-3PSNL- <b>EE</b> <sup>2</sup><br>SC-3PSNL- <b>EE</b> <sup>10</sup> |
| 4-way       | 15A* | CA-4PSNL- <b>EE</b> <sup>2</sup><br>SC-4PSNL- <b>EE</b> <sup>10</sup> |

**CC**<sup>3</sup>: Gloss color codes, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

**EE**<sup>2</sup>: Only available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)

**EE**<sup>4</sup>: Only available in White (WH) and Black (BL)

**EE**<sup>10</sup>: Available in Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), Sea Glass (SG) and Snow (SW)

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

## 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

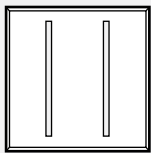
### Custom ganging for Architectural style controls

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

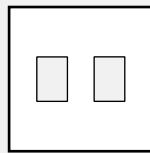
## Standard ganging for dimmers, switches and accessories

### New Architectural



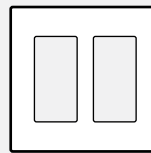
pg. 148

### Architectural



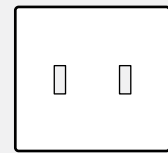
pg. 152

### Designer

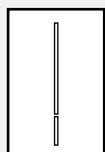


pg. 160

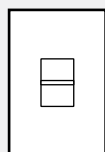
### Traditional



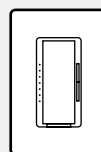
pg. 166



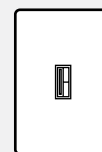
Vierti®



Vareo®  
Nova T☆®



Maestro®  
Maestro IR®  
Maestro Wireless®  
Spacer System®  
Diva®  
Lyneo® Lx  
Skylark®  
Skylark Contour™



Abella®  
Ceana®  
Ariadni®  
Glyder®  
Rotary

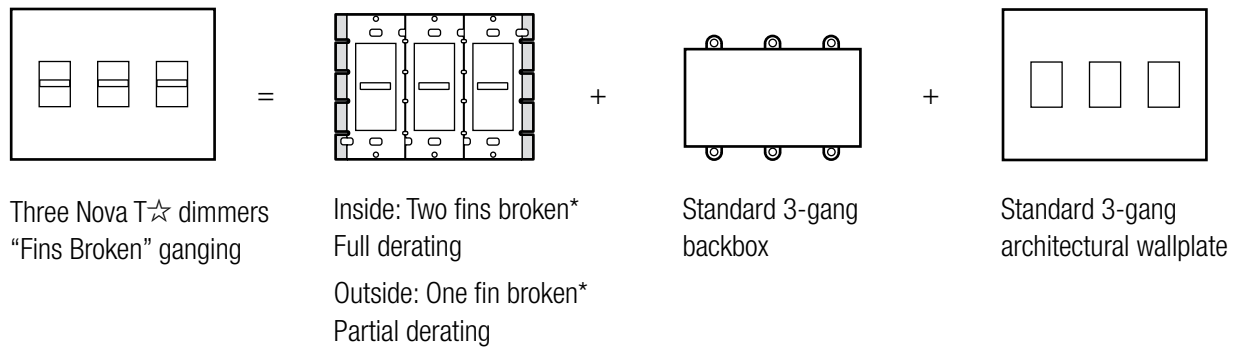
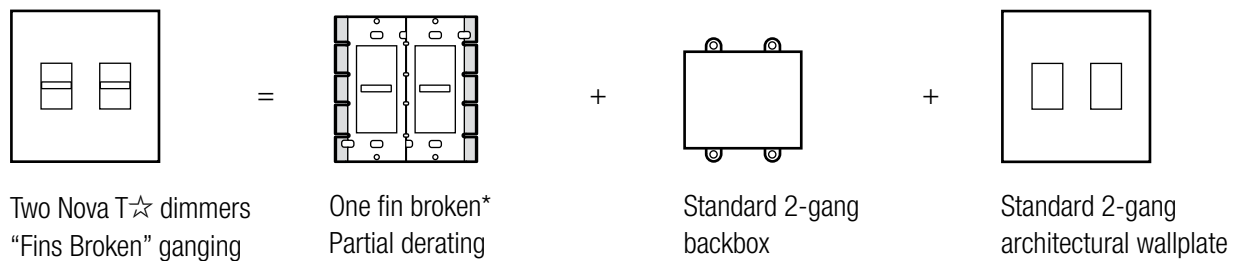
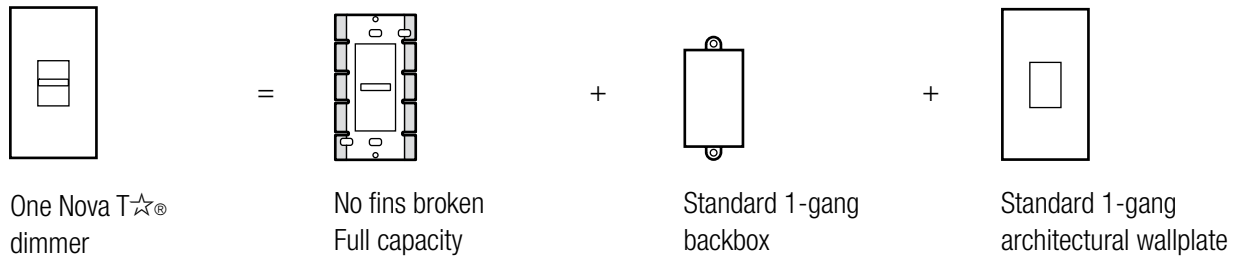
Derating Table 1  
pg. 172

Derating Table 2  
pg. 173

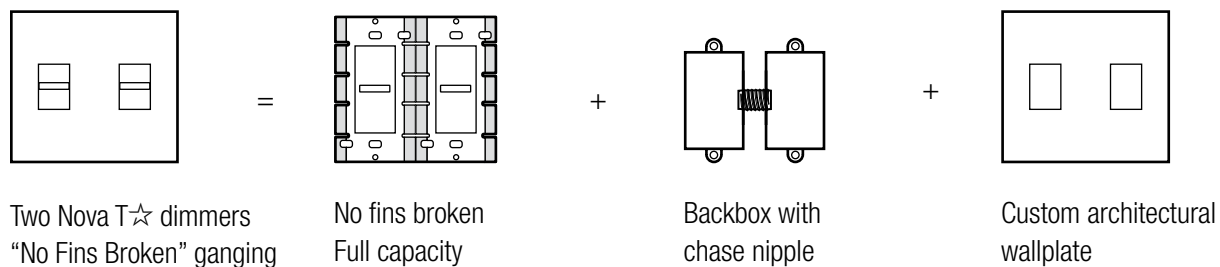
Derating Table 1  
pg. 172

Derating Table 1  
pg. 172

## Standard ganging and fins broken derating examples:



## Custom Architectural ganging example:



For further information on ganging and derating, visit [www.lutron.com/multigang](http://www.lutron.com/multigang).

\*The fins are scored and designed to be removed easily.

**Derating Table 1**

**New Architectural** | Verti®

**Designer** | Maestro®, Maestro IR®, Maestro Wireless®, Spacer System®, Diva®, Lyneo® Lx, Skylark Contour™, Skylark®

**Traditional** | Abella®, Ceano®, Ariadni®, Glyder®, Rotary



**No fins broken**



**1 fin broken**



**2 fins broken**

|  | No fins broken | 1 fin broken   | 2 fins broken    |
|--|----------------|----------------|------------------|
| <b>Incandescent</b>                                    |                |                |                  |
| Dimmers  | 600W           | 500W           | 400W             |
|  | 1000W          | 800W           | 650W             |
| Dual dimmers   | 300W           | 250W           | 200W             |
|  | 300W           | 250W           | 200W             |
| <b>Magnetic low-voltage</b>                            |                |                |                  |
| Dimmers  | 600VA/450W     | 500VA/400W     | 400VA/300W       |
|  | 1000VA/800W    | 800VA/650W     | 650VA/500W       |
| <b>Electronic low-voltage</b>                          |                |                |                  |
| Dimmers  | 300W           | 250W           | 200W             |
|  | 500W           | 450W           | 400W             |
|  | 600W           | 500W           | 400W             |
| <b>Fluorescent</b>                                     |                |                |                  |
| <b>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</b> |                |                |                  |
| Verti  | 60 ballasts/6A | 50 ballasts/5A | 35 ballasts/3.5A |
| Maestro/Spacer System                                  | 20 ballasts/6A | 20 ballasts/5A | 20 ballasts/3.5A |
| Diva, Skylark, Lyneo Lx and Ariadni                    | no derating    | no derating    | no derating      |
| Tu-Wire®: Spacer System, Diva, Skylark                 | 5A             | 4A             | 3.3A             |
| <b>Fan controls</b>                                    |                |                |                  |
| Quiet 7-speed  | 1.0A/300W      | 1.0A/300W      | 1.0A/300W        |
| Quiet 3-speed  | 1.5A           | 1.5A           | 1.5A             |
| Fully variable   | 5A             | 4A             | 3A               |
| <b>Fan/light controls</b>                              |                |                |                  |
| Quiet 7-speed  | 1.0A/300W      | 1.0A/300W      | 1.0A/300W        |
| Quiet 3-speed  | 1.5A/300W      | 1.5A/300W      | 1.5A/300W        |
|  | 1.5A/360W      | 1.5A/360W      | 1.5A/360W        |
| Fully variable   | 2.5A/300W      | 2.1A/250W      | 1.7A/200W        |
| <b>Electronic switches</b>                             |                |                |                  |
| Verti  | 6A/3A          | 5A/3A          | 3.5A/3A          |
| Maestro (light/fan)                                    | 8A/3A          | 6.5A/3A        | 5A/3A            |
| Abella (light/fan)                                     | 6A/3A          | 5A/3A          | 3.5A/3A          |

**Derating Table 2**

**Architectural** | Vareo®, Nova T☆®



**No fins broken**



**1 fin broken**



**2 fins broken**

|  | No fins broken   | 1 fin broken     | 2 fins broken      |
|--|------------------|------------------|--------------------|
| <b>Incandescent</b>                                    |                  |                  |                    |
| Dimmers  | 600W             | 500W             | 300W               |
|  | 1000W            | 900W             | 700W               |
|  | 1500W            | 1250W            | 1000W              |
|  | 1950W            | –                | –                  |
| <b>Magnetic low-voltage</b>                            |                  |                  |                    |
| Dimmers  | 600 VA/450 W     | 500 VA/400 W     | 300 VA/250 W       |
|  | 1000 VA/800 W    | 900 VA/750 W     | 700 VA/500 W       |
|  | 1500 VA/1200 W   | 1250 VA/1000 W   | 1000 VA/800 W      |
| <b>Electronic low-voltage</b>                          |                  |                  |                    |
| Dimmers  | 300W             | 300W             | 250W               |
|  | 600W             | 500W             | 400W               |
| <b>Fluorescent</b>                                     |                  |                  |                    |
| <b>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</b> |                  |                  |                    |
| Vareo  | 20 ballasts /8 A | 20 ballasts /6 A | 20 ballasts /4.5 A |
| Nova T☆  | 6 A              | no derating      | no derating        |
|  | 8 A              | no derating      | no derating        |
|  | 16 A             | no derating      | no derating        |
| 0-10VDC control <sup>1</sup>                           | 30mA ballasts    | no derating      | no derating        |
| Tu-Wire®   | 5 A              | 4 A              | 3.3 A              |
| <b>Fan controls</b>                                    |                  |                  |                    |
| Quiet 3-speed  | 1.5 A            | no derating      | no derating        |
| Fully variable   | 6 A              | 4.2 A            | 2.5 A              |
| Fully variable   | 12 A             | 10 A             | 8.3 A              |
| <b>Electronic tapswitches<sup>2</sup></b>              |                  |                  |                    |
| VETS-1000-   | 1000W            | 800W             | 650W               |
| VETS-1000-SL-  | 1000W            | 900W             | 700W               |
| VETN-1000-   | 1000 VA          | 700 VA           | 550 VA             |

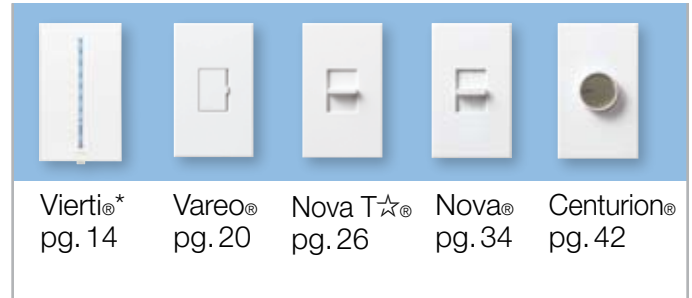
For further information on ganging Nova®, visit [www.lutron.com/customganging](http://www.lutron.com/customganging).

<sup>1</sup>PowerPack required for line voltage switching.

<sup>2</sup>VETS-R-Auxiliary electronic tapswitches do not require derating.

## Dimmer capabilities and interface requirements

- 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



| Dimmers   | capacity†                       | M          |            |            |            |            |
|---|---------------------------------|------------|------------|------------|------------|------------|
| <b>Incandescent/halogen</b> 120V                    | 600W                            |            |            |            | <b>M</b>   |            |
|   | 1000W                           |            |            |            | <b>M</b>   |            |
|   | 1500W                           |            |            | <b>WBX</b> |            |            |
|   | 2000W                           |            |            | <b>WBX</b> |            |            |
| <b>Magnetic low-voltage</b> 120V                    | 600 VA (450W)                   |            |            |            |            |            |
|   | 1000 VA (800W)                  |            |            |            |            |            |
|   | 1500 VA (1200W)                 |            |            | <b>WBX</b> |            |            |
|   | 2000 VA (1600W)                 |            |            | <b>WBX</b> | <b>WBX</b> |            |
| <b>Magnetic low-voltage</b> 277V                    | 600 VA (450W)                   |            |            | <b>WBX</b> |            | <b>WBX</b> |
|   | 1000 VA (800W)                  |            |            | <b>WBX</b> |            | <b>WBX</b> |
| <b>Electronic low-voltage</b> 120V                  | 300W                            |            |            | <b>WBX</b> |            |            |
|   | 450W                            |            |            | <b>WBX</b> | <b>WBX</b> |            |
|   | 600W                            |            |            | <b>WBX</b> |            | <b>WBX</b> |
| <b>Electronic low-voltage</b> 277V                  | 16A                             |            |            | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |
| <b>Neon/cold cathode</b>                            |                                 |            |            | <b>WBX</b> | <b>WBX</b> |            |
| <b>3-wire ballasts and Hi-lume® LED driver</b> 120V | 6A                              |            |            |            |            |            |
|   | Hi-lume, Hi-lume Compact SE,    | 8A         |            |            |            |            |
|   | Eco-10® and EcoSystem® ballasts | 16A        |            |            | <b>3F</b>  |            |
| <b>3-wire ballasts and Hi-lume LED driver</b> 277V  | 6A                              |            |            | <b>3F</b>  |            |            |
|   | Hi-lume, Hi-lume Compact SE,    | 8A         |            | <b>3F</b>  |            |            |
|   | Eco-10 and EcoSystem ballasts   | 16A        |            | <b>3F</b>  | <b>3F</b>  | <b>3F</b>  |
|   |                                 |            |            |            | <b>3F</b>  | <b>3F</b>  |
| <b>Tu-Wire®</b> ballasts 120V                       | 5A                              |            |            | <b>PA</b>  |            |            |
| <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V   | 16A                             | <b>TVI</b> | <b>TVI</b> |            |            |            |

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

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

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

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

**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).

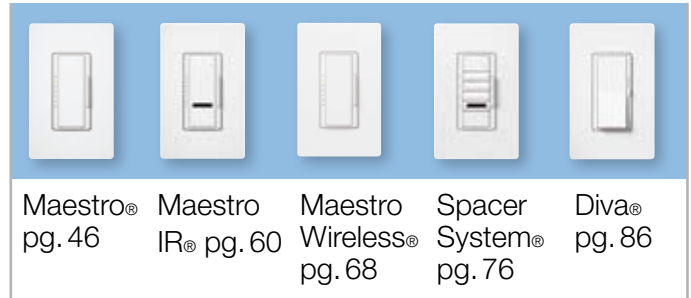
## Dimmer capabilities and interface requirements











**M** Multi-location—true dimming from each location

**E** eco-model available

 Compatible dimmer (no interface)

**WBX** **TVI** **3F** **PA** Requires interface, see notes below



| Dimmers   | capacity†   | <b>M</b>   | <b>M</b>  | <b>M</b>   | <b>M</b>   |            |           |
|---|---|------------|-----------|------------|------------|------------|-----------|
|  <b>Incandescent/halogen</b> 120V                      | 600W  | <b>E</b>   |           |            |            | <b>E</b>   |           |
|   | 1000W   |            |           |            |            |            |           |
|   | 1500W   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|   | 2000W   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Magnetic low-voltage</b> 120V                      | 600VA (450W)  |            |           |            |            |            |           |
|   | 1000VA (800W)   |            |           |            |            |            |           |
|   | 1500VA (1200W)  | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|   | 2000VA (1600W)  | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Magnetic low-voltage</b> 277V                      | 600VA (450W)  | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|   | 1000VA (800W)   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Electronic low-voltage</b> 120V                  | 300W  |            |           | <b>WBX</b> |            |            |           |
|   | 450W  |            |           | <b>WBX</b> |            | <b>WBX</b> |           |
|   | 600W  |            |           | <b>WBX</b> |            | <b>WBX</b> |           |
|  <b>Electronic low-voltage</b> 277V                  | 16A   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Neon/cold cathode</b>                            |   |            |           | <b>WBX</b> |            | <b>WBX</b> |           |
|  <b>3-wire ballasts and Hi-lume® LED driver</b> 120V | 6A  |            |           |            |            |            |           |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10® and EcoSystem® ballasts | 8A         | <b>3F</b> |            | <b>3F</b>  | <b>3F</b>  |           |
|   | 16A   | <b>3F</b>  |           | <b>3F</b>  | <b>3F</b>  | <b>3F</b>  |           |
|  <b>3-wire ballasts and Hi-lume LED driver</b> 277V  | 6A  |            |           |            |            |            |           |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10 and EcoSystem ballasts   | 8A         | <b>3F</b> |            | <b>3F</b>  | <b>3F</b>  | <b>3F</b> |
|   | 16A   | <b>3F</b>  |           | <b>3F</b>  | <b>3F</b>  | <b>3F</b>  |           |
|  <b>Tu-Wire®</b> ballasts 120V                       | 5A  | <b>PA</b>  |           | <b>PA</b>  |            |            |           |
|  <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V   | 16A   | <b>TVI</b> |           | <b>TVI</b> | <b>TVI</b> | <b>TVI</b> |           |

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

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

†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

 Compatible dimmer (no interface)

**WBX** **TVI** **3F** **PA** Requires interface, see notes below

|   |   |  |  |  |  |
|---|---|---|---|---|---|
|   |   | Lyneo® Lx<br>pg. 94   | Skylark<br>Contour™<br>pg. 100  | Skylark®<br>pg. 104   | Abella®<br>pg. 114  |
| Dimmers   | capacity†   |   |   |   | <b>M</b>  |
|  <b>Incandescent/halogen</b> 120V                      | 600W  |   | <b>E</b>  | <b>E</b>  |   |
|   | 1000W   |   |   |   |   |
|   | 1500W   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|   | 2000W   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|  <b>Magnetic low-voltage</b> 120V                      | 600 VA (450W)   |   |   |   |   |
|   | 1000 VA (800W)  |   |   | <b>WBX</b>  |   |
|   | 1500 VA (1200W)   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|   | 2000 VA (1600W)   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|  <b>Magnetic low-voltage</b> 277V                      | 600 VA (450W)   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|   | 1000 VA (800W)  | <b>WBX</b>  |   | <b>WBX</b>  |   |
|  <b>Electronic low-voltage</b> 120V                  | 300W  |   |   |   |   |
|   | 450W  |   |   | <b>WBX</b>  |   |
|   | 600W  |   |   | <b>WBX</b>  |   |
|  <b>Electronic low-voltage</b> 277V                  | 16A   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|  <b>Neon/cold cathode</b>                            |   | <b>WBX</b>  |   | <b>WBX</b>  |   |
|  <b>3-wire ballasts and Hi-lume® LED driver</b> 120V | 6A  |   |   |   |   |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10® and EcoSystem® ballasts | 8A  |   |   |   |
|   |   | 16A   | <b>3F</b>   |   | <b>3F</b>   |
|  <b>3-wire ballasts and Hi-lume LED driver</b> 277V  | 6A  |   |   |   |   |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10 and EcoSystem ballasts   | 8A  | <b>3F</b>   |   | <b>3F</b>   |
|   |   | 16A   | <b>3F</b>   |   | <b>3F</b>   |
|  <b>Tu-Wire® ballasts</b> 120V                       | 5A  | <b>PA</b>   |   |   |   |
|  <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V   | 16A   | <b>TVI</b>  |   | <b>TVI</b>  |   |

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

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

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

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

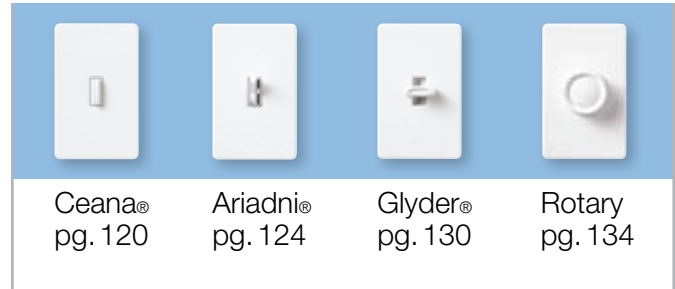
**PA:** Phase Adaptive Power Module (PHPM-PA-DV-WH)











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



## Dimmer capabilities and interface requirements

- 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



| Dimmers  | capacity†                       |     |            |           |          |
|--|---------------------------------|-----|------------|-----------|----------|
|  <b>Incandescent/halogen</b> 120V                         | 600W                            |     | <b>E</b>   |           | <b>E</b> |
|  | 1000W                           |     |            |           |          |
|  | 1500W                           |     | <b>WBX</b> |           |          |
|  | 2000W                           |     | <b>WBX</b> |           |          |
|  <b>Magnetic low-voltage</b> 120V                         | 600 VA (450W)                   |     |            |           |          |
|  | 1000 VA (800W)                  |     |            |           |          |
|  | 1500 VA (1200W)                 |     | <b>WBX</b> |           |          |
|  | 2000 VA (1600W)                 |     | <b>WBX</b> |           |          |
|  <b>Magnetic low-voltage</b> 277V                         | 600 VA (450W)                   |     | <b>WBX</b> |           |          |
|  | 1000 VA (800W)                  |     | <b>WBX</b> |           |          |
|  <b>Electronic low-voltage</b> 120V                     | 300W                            |     | <b>WBX</b> |           |          |
|  | 450W                            |     | <b>WBX</b> |           |          |
|  | 600W                            |     | <b>WBX</b> |           |          |
|  <b>Electronic low-voltage</b> 277V                     | 16A                             |     | <b>WBX</b> |           |          |
|  <b>Neon/cold cathode</b>                               |                                 |     | <b>WBX</b> |           |          |
|  <b>3-wire ballasts and Hi-lume® LED driver</b> 120V 6A | Hi-lume, Hi-lume Compact SE,    | 8A  |            |           |          |
|  | Eco-10® and EcoSystem® ballasts | 16A |            | <b>3F</b> |          |
|  |                                 |     |            |           |          |
|  <b>3-wire ballasts and Hi-lume LED driver</b> 277V 6A  | Hi-lume, Hi-lume Compact SE,    | 8A  |            | <b>3F</b> |          |
|  | Eco-10 and EcoSystem ballasts   | 16A |            | <b>3F</b> |          |
|  |                                 |     |            |           |          |
|  <b>Tu-Wire® ballasts</b> 120V                          | 5A                              |     | <b>PA</b>  |           |          |
|  <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V      | 16A                             |     | <b>TVI</b> |           |          |

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

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




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

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

**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**

|                        | Incandescent, magnetic and electronic low-voltage (120/277 V)                                |                         | 3-wire Fluorescent ballasts or Hi-lume® LED drivers (120/277 V)                              |                         | 0-10VDC Ballasts or LED drivers (120/277 V)  |                         |
|------------------------|--|-------------------------|--|-------------------------|--|-------------------------|
|                        | <b>WBX</b>  |                         | <b>3F</b>  |                         | <b>TVI</b>  |                         |
|                        | Wallbox Phase Adaptive Power Module*<br>PHPM-WBX-DV-WH                                       |                         | Fluorescent Power Module*<br>PHPM-3F-DV-WH   |                         | 0-10V Interface<br>GRX-TVI   |                         |
| <b>Dimmer Family</b>   | Single-pole  | 3-way or multi-location | Single-pole  | 3-way or multi-location | Single-pole  | 3-way or multi-location |
| Abella®                | –  | –                       | –  | –                       | –  | –                       |
| Ariadni®               | –  | AYF-103P-               | –  | AYF-103P-               | –  | AYF-103P-               |
| Ceana®                 | –  | –                       | –  | –                       | –  | –                       |
| Diva® Gloss            | –  | DVF-103P-               | –  | DVF-103P-               | –  | DVF-103P-               |
| Diva Satin Colors®     | –  | DVSCF-103P-             | –  | DVSCF-103P-             | –  | DVSCF-103P-             |
| Glyder®                | –  | –                       | –  | –                       | –  | –                       |
| Lyneo® Lx              | –  | LXF-103PL-              | –  | LXF-103PL-              | –  | LXF-103PL-              |
| Maestro® Gloss         | –  | MAF-6AM-                | –  | MAF-6AM-                | –  | MAF-6AM-                |
| Maestro® Satin Colors® | –  | MSCF-6AM-               | –  | MSCF-6AM-               | –  | MSCF-6AM-               |
| Maestro Wireless®      | –  | MRF2-F6AN-DV-           | –  | MRF2-F6AN-DV-           | –  | MRF2-F6AN-DV-           |
| Nova®                  | NF-10-   | NF-103P-                | NF-10-   | NF-103P-                | NF-10-   | NF-103P-                |
| Nova T☆®               | NTF-10-  | NTF-103P-               | NTF-10-  | NTF-103P-               | NTF-10-  | NTF-103P-               |
| Skylark®               | SF-10P-  | SF-103P-                | SF-10P-  | SF-103P-                | SF-10P-  | SF-103P-                |
| Spacer System®         | –  | SPSF-6AM-               | –  | SPSF-6AM-               | SPSF-S6A-  | SPSF-6AM-               |
| Vareo®                 | –  | VF-10-                  | –  | VF-10-                  | –  | VF-10-                  |
| Vierti®                | contact Lutron   |                         | contact Lutron   |                         | –  | VTF-6AM-                |

**Use only dimmer model numbers listed.**

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

## Dimmer models/load interface compatibility

| Dimmer Family          | Tu-Wire® Fluorescent Ballasts (120V) |                         | Switched Lighting (120/277V)                  |  |
|------------------------|--------------------------------------|-------------------------|---|--|
|                        | Single-pole                          | 3-way or multi-location | PA  | SW                                       |
|                        |                                      |                         | Phase Adaptive Power Module*<br>PHPM-PA-DV-WH | Switching Power Module*<br>PHPM-SW-DV-WH |
| Abella®                | –                                    | –                       | –   | AB-S6AM-                                 |
| Ariadni®               | –                                    | AYF-103P-               | –   | –  |
| Ceana®                 | –                                    | –                       | –   | –  |
| Diva® Gloss            | –                                    | DVF-103P-               | –   | –  |
| Diva Satin Colors®     | –                                    | DVSCF-103P-             | –   | –  |
| Glyder®                | –                                    | –                       | –   | –  |
| Lyneo® Lx              | –                                    | LXF-103PL-              | LX-1PSL-                                      | LX-3PSL-                                 |
| Maestro® Gloss         | –                                    | MAF-6AM-                | –   | MA-S8AM-                                 |
| Maestro® Satin Colors® | –                                    | MSCF-6AM-               | –   | MSC-S8AM-                                |
| Maestro Wireless®      | –                                    | MRF2-F6AN-DV-           | –   | MRF2-6ANS-                               |
| Nova®                  | NF-10-                               | NF-103P-                | –   | –  |
| Nova T☆®               | NTF-10-                              | NTF-103P-               | –   | –  |
| Skylark®               | SF-10P-                              | SF-103P-                | –   | –  |
| Spacer System®         | SPSF-S6A-                            | SPSF-6AM-               | SPSF-S6A-                                     | SPSF-S6AM-                               |
| Vareo®                 | –                                    | VF-10-                  | –   | VETN-1000-                               |
| Vierti®                | contact Lutron                       |                         | contact Lutron                                |  |

### Technical notes

- Lighting load interfaces must be matched to load type and voltage
- All load interfaces for dimmed load are controlled by a 120V 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)

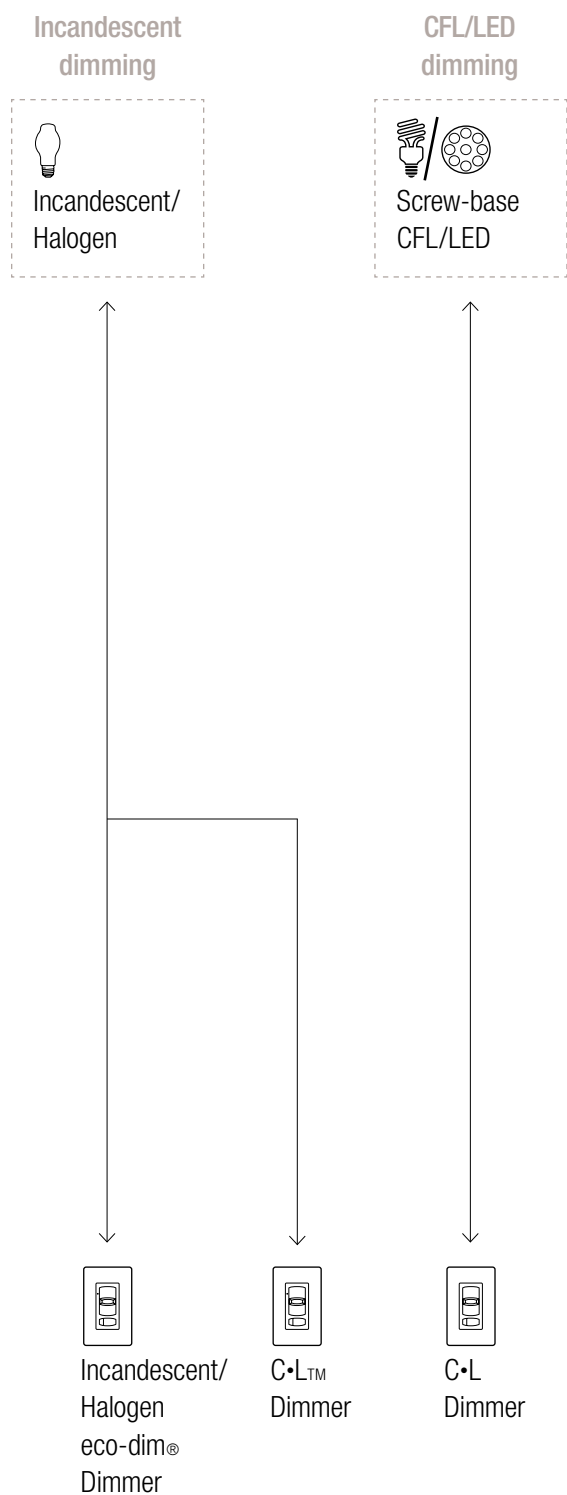
### Interface mounting

- 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)

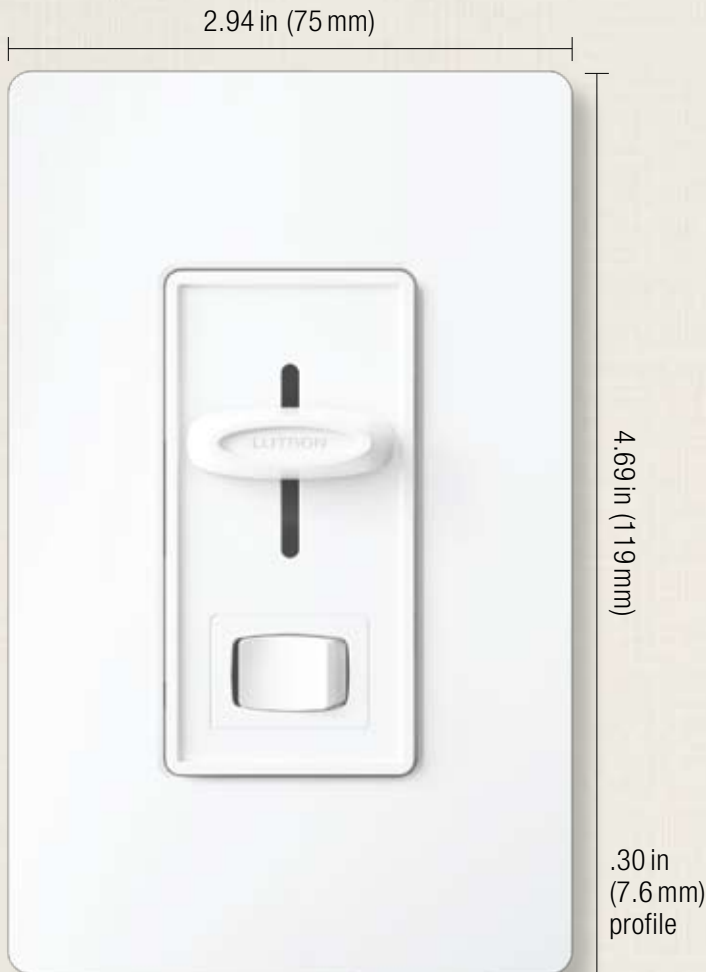
### Use only dimmer model numbers listed.

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

# Skylark Contour™



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





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

### Product family features





- Rocker switch returns light to your favorite light level
- Slide up to brighten, down to dim (adjust light to suit any activity)
- eco-dim® model available
- 1000 W preset dimmers have voltage compensation which maintains stable light levels, despite line voltage variations
- 100% factory tested
- Coordinating Claro® and Stainless Steel wallplates only available separately
- Custom engraving 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
-  Fluorescent lighting
-  LED lighting
-  Dimmable compact fluorescent
-  Ceiling fans
-  Ceiling fan/lights

### Load type requiring load interface

 Neon/cold cathode lighting

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

For additional information, see pg. 174.

### Available finishes

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

Gloss finishes\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black



**SS**  
Stainless Steel

\*Coordinating wallplates only available separately. For wallplate information, see pg. 160.

Stainless Steel wallplate includes black plastic trim/adaptor, visible from side. Match with separate Black (BL) controls.

## Dimmers

### Slide-to-off dimmers



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

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



- Rocker switch turns on/off
- Slide up to brighten; down to dim
- Includes amber locator light

### Dimmers with on/off switch



- Rocker switch turns on/off
- Slide up to brighten; down to dim
- **eco-dim**® model guarantees at least 15% energy savings compared to a standard switch

## Fan and fan/light controls

### Slide-to-off fan controls



- Slide up to on/increase speed; down to decrease/off
- 3-quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Quiet 3-speed designed to prevent motor hum
- Fully variable model also available

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



#### Fan control (top)

- Slide up to on/increase fan speed; down to decrease fan speed/off
  - 3-quiet fan speeds for increased comfort
  - For use with only one ceiling paddle fan
  - Quiet 3-speed designed to prevent motor hum
- #### Switch (bottom)
- Rocker switch turns light on/off

## Dual devices

### Dual slide-to-off dimmers (two loads)



#### Dimmers (left/right)

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

### Dual slide-to-off fan control and dimmer



#### Fan control (left)

- Slide up to on/increase speed; down to decrease/off
- 3-quiet fan speeds for increased comfort
- Quiet 3-speed designed to prevent motor hum
- Fully variable available for use with multiple paddle or exhaust fans

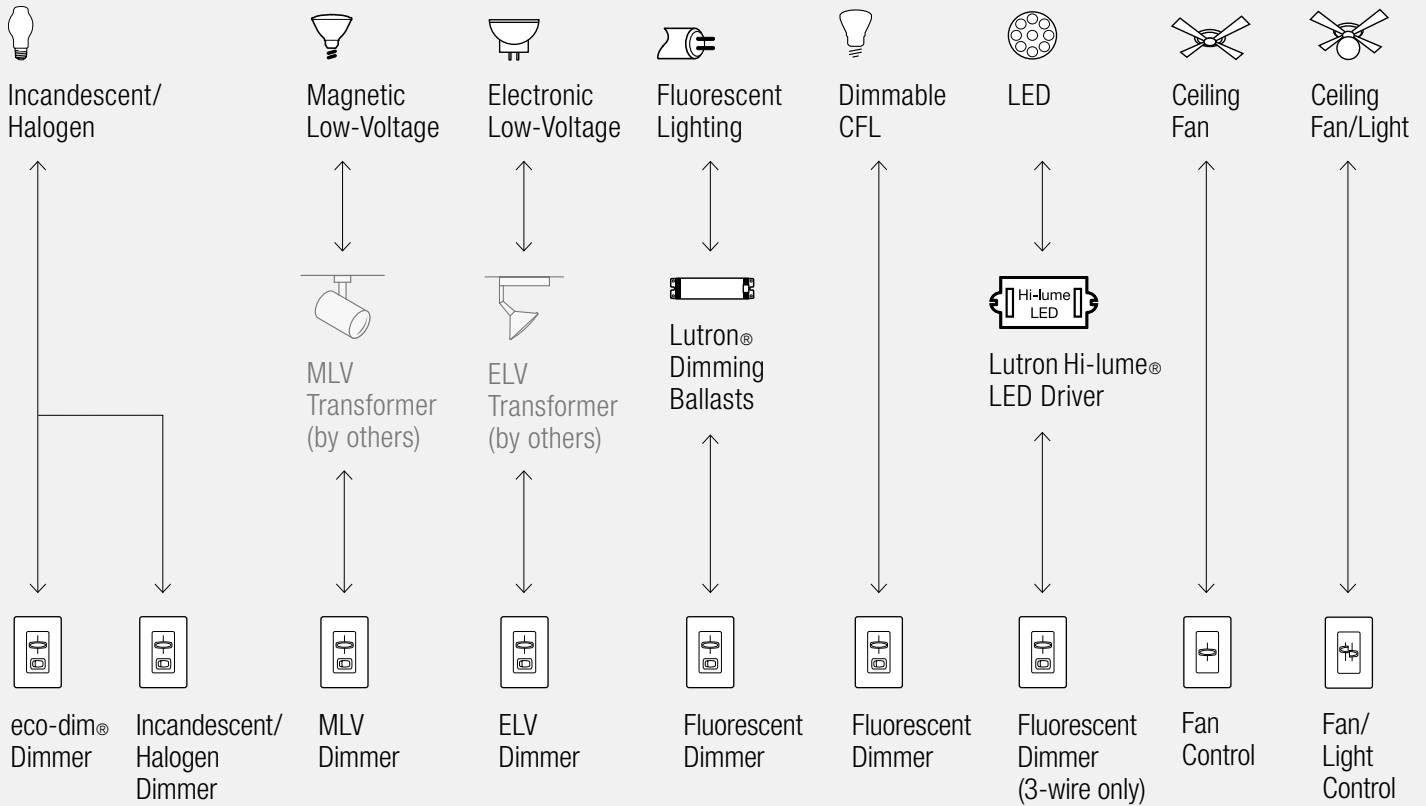
#### Dimmer (right)

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

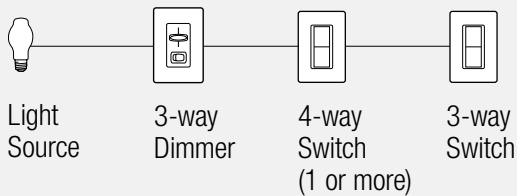
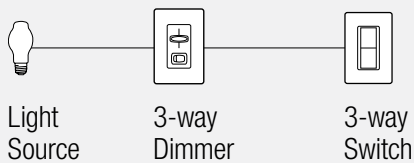


Connections overview

Load connections\*



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](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 dimmers**

**Dimmers with on/off switch**

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

**eco-dim® dimmer with on/off switch**

|                                |                                 |
|--------------------------------|---------------------------------|
| 3-way/single-pole<br>120V 600W | S-603PG- <b>EE</b> <sup>2</sup> |
|--------------------------------|---------------------------------|

eco-dim model guarantees at least 15% energy savings compared to a standard switch.

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

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

**Slide-to-off dimmers**

|                           |                                |
|---------------------------|--------------------------------|
| Single-pole<br>120V 600W  | S-600- <b>CC</b> <sup>3</sup>  |
| Single-pole<br>120V 1000W | S-1000- <b>CC</b> <sup>3</sup> |

For dual slide-to-off dimmers (two loads), see page 111.

 **Magnetic low-voltage dimmers**

**Dimmers with on/off switch**

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

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

 **Electronic low-voltage dimmers\***

**Dimmers with on/off switch**

|                          |                                   |
|--------------------------|-----------------------------------|
| Single-pole<br>120V 300W | SELV-300P- <b>CC</b> <sup>3</sup> |
| 3-way<br>120V 300W       | SELV-303P- <b>CC</b> <sup>3</sup> |

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

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
**EE**<sup>2</sup>: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)  
 (Wallplates not included, order separately, see pg. 160)

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

**\*Requires neutral wire connection.**

**Dimmer model numbers**

 **3-wire fluorescent dimmers\***

Dimmers with on/off switch

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

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

No derating required if ganged.

Adjustable low-end trim.

 **Hi-lume® LED drivers:**  
**3-wire fluorescent dimmers\***

Dimmers with on/off switch

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

For use with Hi-lume LED driver only.

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

No derating required if ganged.

Adjustable low-end trim.

 **Tu-Wire® fluorescent dimmers**

Dimmers with on/off switch

|                              |                                   |
|------------------------------|-----------------------------------|
| 3-way/single-pole<br>120V 5A | SFTU-5A3P- <b>CC</b> <sup>3</sup> |
|------------------------------|-----------------------------------|

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.

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
(Wallplates not included, order separately, see pg. 160)

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.

**\*Requires neutral wire connection.**

## Fan control model numbers

### ✂ Fan controls

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

|             |                                |
|-------------|--------------------------------|
| Single-pole | SFSQ-F- <b>CC</b> <sup>3</sup> |
| 120V 1.5A   |                                |

|             |                                   |
|-------------|-----------------------------------|
| Single-pole | SFSQ-F-HO- <b>CC</b> <sup>3</sup> |
| 120V 2.0A   |                                   |

For use with only one ceiling paddle fan.

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

#### Slide-to-off fan control—fully variable

|             |                                |
|-------------|--------------------------------|
| Single-pole | SFS-5E- <b>CC</b> <sup>3</sup> |
| 120V 5A     |                                |

For use with multiple ceiling paddle fans or exhaust fans.

### ✂ Fan/light controls

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

|                         |                                 |
|-------------------------|---------------------------------|
| Single-pole fan control | S2-LFSQ- <b>CC</b> <sup>3</sup> |
| 120V 1.5A (left)        |                                 |

|                                      |  |
|--------------------------------------|--|
| 120V single-pole dimmer 300W (right) |  |
|--------------------------------------|--|

For use with only one ceiling paddle fan.

#### Fan control—fully variable and dimmer

|                         |                               |
|-------------------------|-------------------------------|
| Single-pole fan control | S2-LF- <b>CC</b> <sup>3</sup> |
| 120V 2.5A (left)        |                               |

|                                      |  |
|--------------------------------------|--|
| 120V single-pole dimmer 300W (right) |  |
|--------------------------------------|--|

For use with multiple ceiling paddle fans.

### ✂ Fan control/light switch

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

|                         |                                 |
|-------------------------|---------------------------------|
| Single-pole fan control | SFSQ-LF- <b>CC</b> <sup>3</sup> |
| 120V 1.5A (top)         |                                 |


|  |  |
|--|--|
| 120V single-pole switch 360W (bottom)<br>(incandescent/halogen loads only) |  |
|--|--|

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
(Wallplates not included, order separately,  
see pg. 160)

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

\*Requires neutral wire connection.

**Dual device model numbers**

 **Incandescent/halogen and  
Incandescent/halogen dimmers**

Dual slide-to-off dimmers (two loads)

|   |                              |
|---|------------------------------|
| Single-pole                                     | S2-L- <b>CC</b> <sup>3</sup> |
| 120V 300W light (left)<br>incandescent/halogen  |                              |
| 120V 300W light (right)<br>incandescent/halogen |                              |

**Replacement knob model numbers**

 **Knobs**

|               |                            |
|---------------|----------------------------|
| Single-pole   | SK- <b>EE</b> <sup>2</sup> |
| Standard knob |                            |
| Split knobs   | contact customer service   |

**CC**<sup>3</sup>: Gloss color codes, see pg. 105  
(Wallplates not included, order separately,  
see pg. 160)

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

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

Accessories

Wallplates



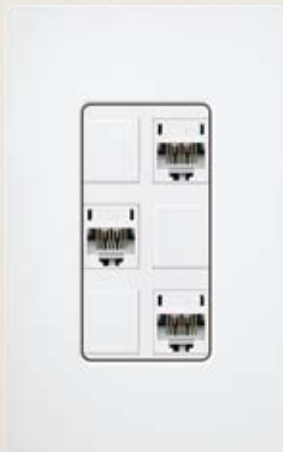
Shown actual size:  
2-gang Claro® wallplate  
in White (WH).

For more information  
about Designer wallplates,  
see pg. 160.

Coordinated electrical devices



Tamper resistant  
GFCI receptacle

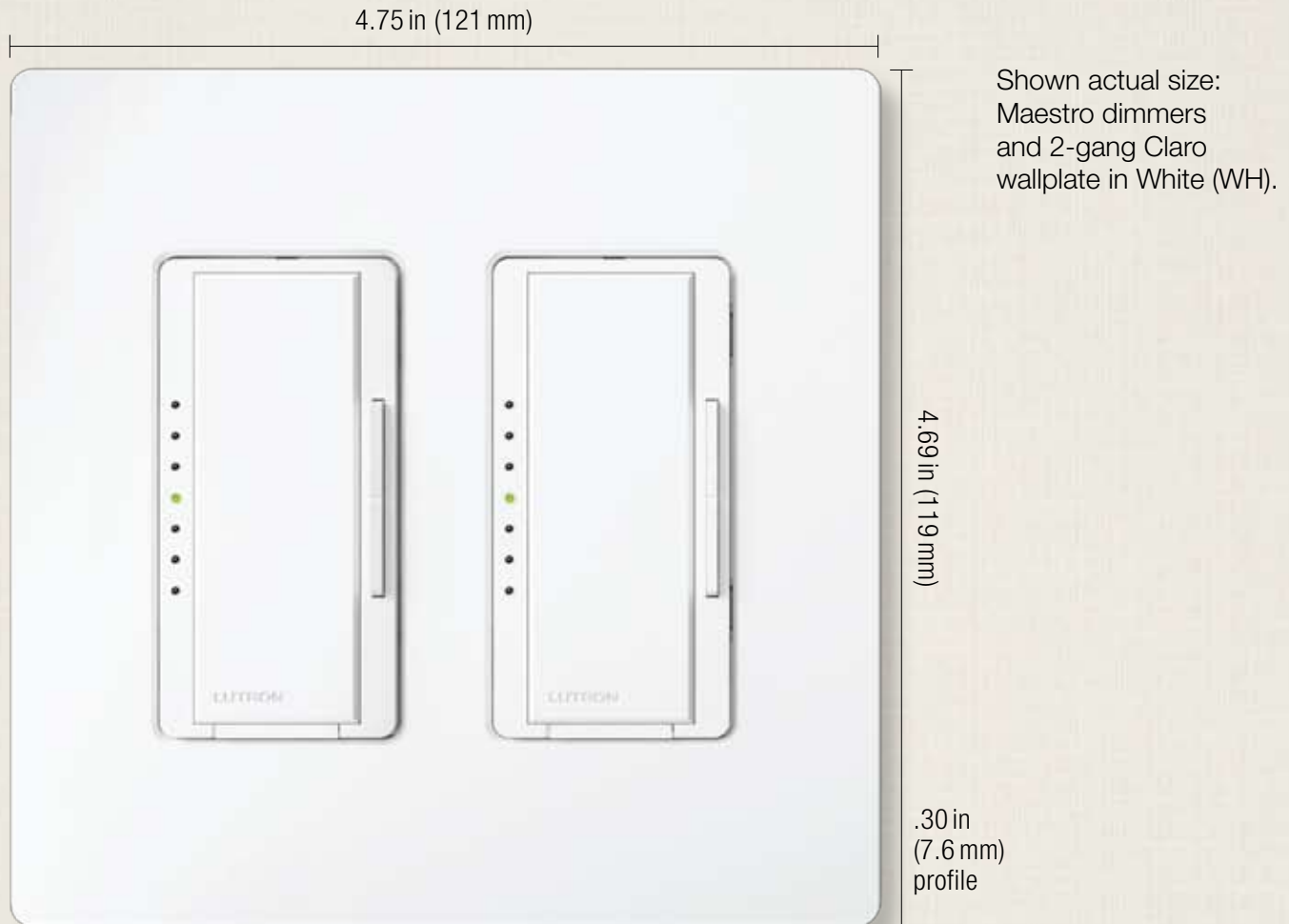


Customizable  
6-port frame



Cable jack

For more information  
about coordinated  
Designer electrical  
devices, see pg. 163.



### Product family features

- Can be used in conjunction with the following dimmer(s) and switch(es): Maestro®, Maestro IR®, Maestro Wireless®, Pico™ wireless control, Spacer System®, Diva®, Lyneo® Lx, Skylark®, Skylark Contour™
- All Lutron® wallplates are screwless, seamless and have no visible hardware; the front plate securely snaps into the alignment adapter plate
- Full line of wiring devices in designer style opening
- Blank inserts available for Gloss colors (DV-BI-) and Satin colors (SC-BI-)
- Customize your designer wallplate with engraving, contact customer service to get started at 1.888.LUTRON1

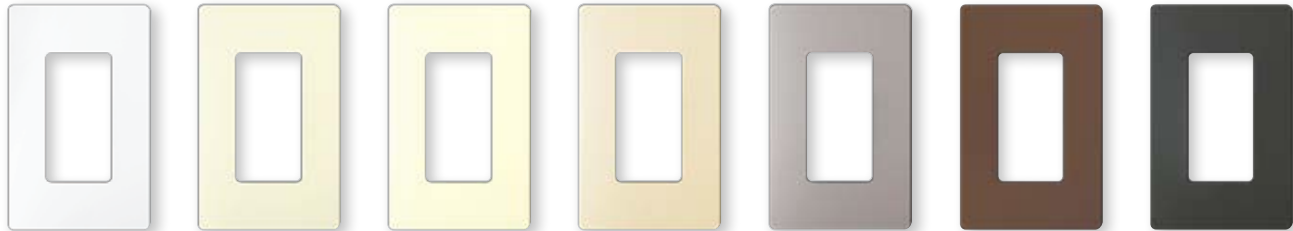
### Ganging and derating

- Designer wallplates use standard ganging
- Requires fins to be removed from dimmers for proper spacing (“Fins Broken” ganging), see 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: SC-1-**PL**)

Gloss finishes



**WH**  
White

**LA**  
Light Almond

**AL**  
Almond

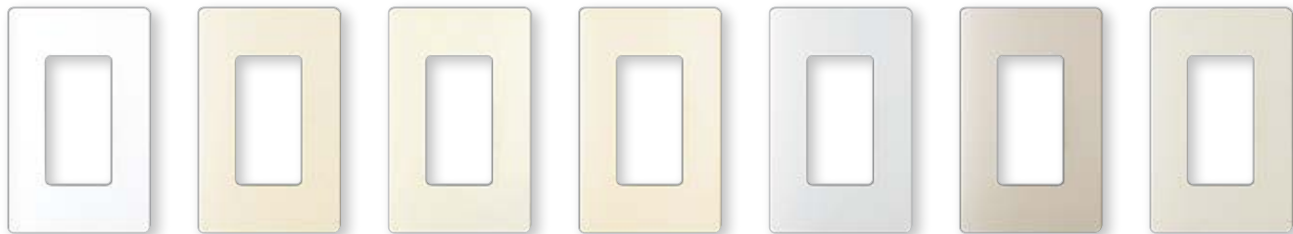
**IV**  
Ivory

**GR**  
Gray

**BR**  
Brown

**BL**  
Black

Satin finishes



**SW**  
Snow

**LS**  
Limestone

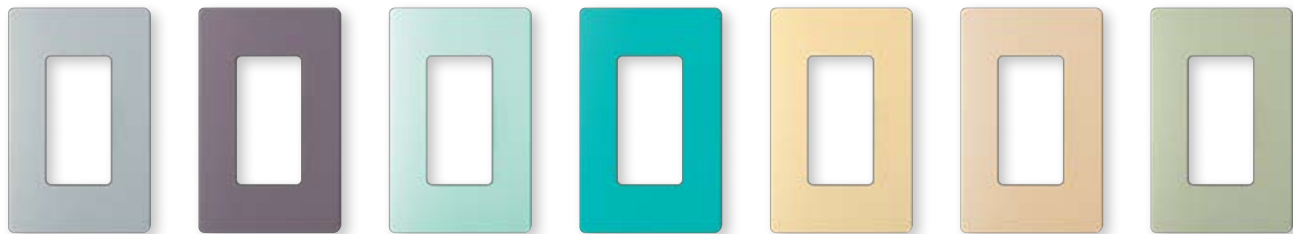
**BI**  
Biscuit

**ES**  
Eggshell

**PD**  
Palladium

**TP**  
Taupe

**ST**  
Stone



**BG**  
Bluestone

**PL**  
Plum

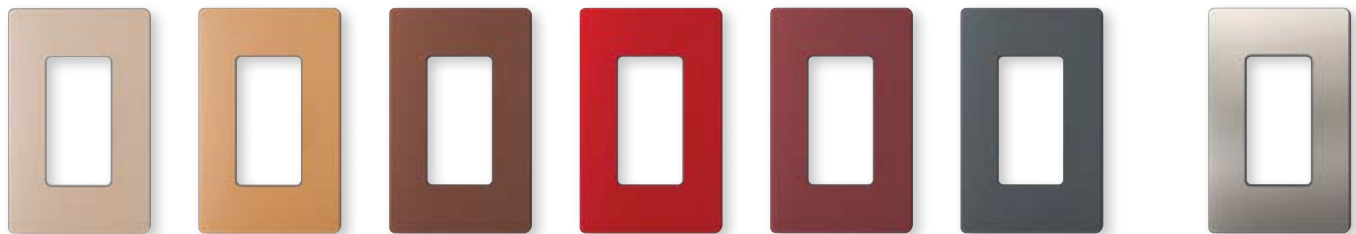
**SG**  
Sea Glass

**TQ**  
Turquoise

**GS**  
Goldstone

**DS**  
Desert Stone

**GB**  
Greenbriar



**MS**  
Mocha Stone

**TC**  
Terracotta

**SI**  
Sienna

**HT**  
Hot

**MR**  
Merlot

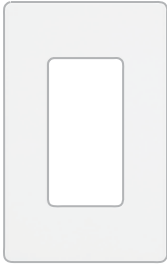
**MN**  
Midnight

**SS**  
Stainless Steel\*

\*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.



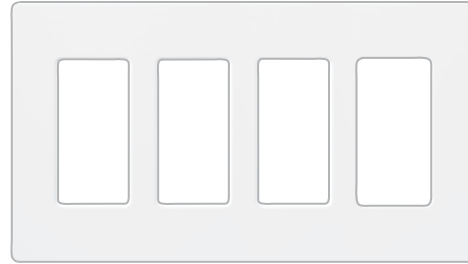
Wallplates for Maestro®, Maestro IR®, Maestro Wireless®, Pico™ wireless control, Spacer System®, Diva®, Lyneo® Lx, Skylark® and Skylark Contour™



1-gang\*

CW-1-**CC**<sup>2</sup>  
SC-1-**CC**<sup>4</sup>

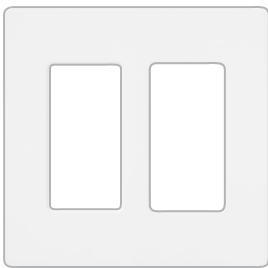
W: 2.94 in (75 mm); H: 4.69 in (119 mm)  
D: .30 in (7.6 mm)



4-gang\*

CW-4-**CC**<sup>2</sup>  
SC-4-**CC**<sup>4</sup>

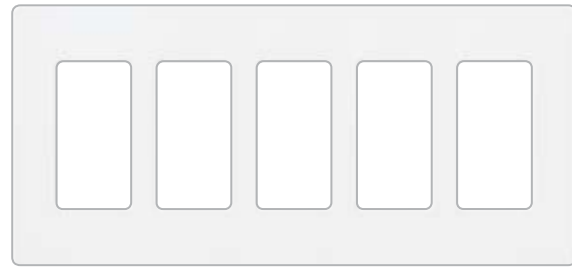
W: 8.37 in (213 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



2-gang\*

CW-2-**CC**<sup>2</sup>  
SC-2-**CC**<sup>4</sup>

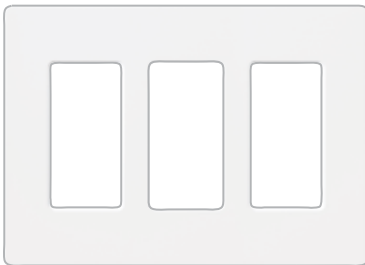
W: 4.75 in (121 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



5-gang\*

CW-5-**CC**<sup>2</sup>  
SC-5-**CC**<sup>4</sup>

W: 10.18 in (259 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



3-gang\*

CW-3-**CC**<sup>2</sup>  
SC-3-**CC**<sup>4</sup>

W: 6.56 in (167 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)

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](http://www.lutron.com/applicationnotes).

**CC**<sup>2</sup>: Gloss and Stainless Steel color codes, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

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

\*Stainless Steel finish wallplates include black plastic trim/adaptor, visible from side. Match with separate Black (BL) or Midnight (MN) controls and accessories.



6-gang\* CW-6-**CC**<sup>2</sup>  
SC-6-**CC**<sup>4</sup>

W: 12.00in (305mm); H: 4.69in (119mm);  
D: .30in (7.6mm)

**Cable jacks**



- F-style, 75-Ohm coaxial cable

Single cable jack\* CA-CJH-**CC**<sup>3</sup>  
SC-CJ-**CC**<sup>4</sup>

**Telephone jacks**



- 6-conductor telephone jack, RJ11

Single telephone jack\* CA-PJH-**CC**<sup>3</sup>  
SC-PJ-**CC**<sup>4</sup>

**CC**<sup>2</sup>: Gloss and Stainless Steel color codes, see pg. 161

**CC**<sup>3</sup>: Gloss color codes, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

**Receptacles**



**Tamper resistant receptacles**

|            |                                    |
|------------|------------------------------------|
| 15A, 125V* | CARS-15-TR- <b>CC</b> <sup>3</sup> |
|            | SCRS-15-TR- <b>CC</b> <sup>4</sup> |
| 20A, 125V* | SCRS-20-TR- <b>CC</b> <sup>4</sup> |

**Receptacles**

|            |                                 |
|------------|---------------------------------|
| 15A, 125V* | CAR-15H- <b>CC</b> <sup>3</sup> |
|            | SCR-15- <b>CC</b> <sup>4</sup>  |
| 20A, 125V* | SCR-20- <b>CC</b> <sup>4</sup>  |

**GFCI Receptacles**



- Press test button to confirm LED indicator status
- Press reset button to reset GFCI after circuit interruption

**Tamper resistant GFCI receptacles**

|            |      |                                     |
|------------|------|-------------------------------------|
| 15A, 125V* | GFCI | CAR-15-GFTR- <b>CC</b> <sup>3</sup> |
|            |      | SCR-15-GFTR- <b>CC</b> <sup>4</sup> |
| 20A, 125V* | GFCI | SCR-20-GFTR- <b>CC</b> <sup>4</sup> |

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

**Receptacles for dimming use**



- Duplex for dimming both connected loads
- Projecting nubs prevent standard plugs from being used
- Requires replacement plugs for dimming use

**Duplex for dimming use**

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-DFDU- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-DFDU- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-DFDU- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-DFDU- <b>CC</b> <sup>4</sup> |

**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

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

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-HFDU- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-HFDU- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-HFDU- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-HFDU- <b>CC</b> <sup>4</sup> |

**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
- Tamper resistant shutter mechanism

**Dual dimming tamper resistant**

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-DDTR- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-DDTR- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-DDTR- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-DDTR- <b>CC</b> <sup>4</sup> |

**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
- Tamper resistant shutter mechanism

**Half dimming tamper resistant**

|      |           |                                     |
|------|-----------|-------------------------------------|
| 15 A | 120/125V* | CAR-15-HDTR- <b>CC</b> <sup>2</sup> |
| 15 A | 120/125V* | SCR-15-HDTR- <b>CC</b> <sup>4</sup> |
| 20 A | 120/125V* | CAR-20-HDTR- <b>CC</b> <sup>2</sup> |
| 20 A | 120/125V* | SCR-20-HDTR- <b>CC</b> <sup>4</sup> |

**CC**<sup>2</sup>: Gloss color code and Stainless Steel, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

**Replacement plug for dimming**  
(use with receptacles on left)



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

|                   |              |
|-------------------|--------------|
| 120/125V<br>White | RP-FDU-10-WH |
| 120/125V<br>Brown | RP-FDU-10-BR |

UL/CSA/NOM regulatory approvals.

**Important notes**

- If the hot and dimmed hot feeds to the split duplex HFDDU 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 HFDDU.
- 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 DFDDU must be used.
- 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](http://www.lutron.com/applicationnotes).

**CC**<sup>2</sup>: Gloss color code and Stainless Steel, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

**Field customizable 6-port frame**




- Shipped with six blanks in matching colors
- Connectors and wallplate sold separately
- Connectors snap in (no tools required)
- Connectors available in White (WH), unless noted





|               |  |
|---------------|--|
| 6-port frame* | CA-6PF- <b>CC</b> <sup>3</sup><br>SC-6PF- <b>CC</b> <sup>4</sup> |
|---------------|--|

**Connectors for 6-port frame**

**Telephone/network jacks**

|  |                                    |
|--|------------------------------------|
|  8-conductor, RJ45 category 3 | CON-1P-C3- <b>EE</b> <sup>4</sup>  |
| 8-conductor, RJ45 category 5e  | CON-1P-C5E- <b>EE</b> <sup>4</sup> |
| 8-conductor, RJ45 category 6   | CON-1P-C6- <b>EE</b> <sup>4</sup>  |


**Fiber jacks**

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

**Cable jack**

|   |                                |
|---|--------------------------------|
|  F-style, 75-Ohm coaxial cable | CON-1C- <b>EE</b> <sup>4</sup> |
|---|--------------------------------|

**BNC jack**

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

Connectors only for use with 6-port frame.

**Switches**



- Paddle turns on/off
- Use with any 15A load
- General purpose switching of all sources and motor loads
- No derating if ganged

**General purpose switches (120/277 V)**

|             |      |   |
|-------------|------|---|
| Single-pole | 15A* | CA-1PSH- <b>CC</b> <sup>3</sup><br>SC-1PS- <b>CC</b> <sup>4</sup> |
| 3-way       | 15A* | CA-3PSH- <b>CC</b> <sup>3</sup><br>SC-3PS- <b>CC</b> <sup>4</sup> |
| 4-way       | 15A* | CA-4PSH- <b>CC</b> <sup>3</sup><br>SC-4PS- <b>CC</b> <sup>4</sup> |

**General purpose switch with locator light (120V only)**

|             |      |   |
|-------------|------|---|
| Single-pole | 15A* | CA-1PSNL- <b>EE</b> <sup>2</sup><br>SC-1PSNL- <b>EE</b> <sup>10</sup> |
| 3-way       | 15A* | CA-3PSNL- <b>EE</b> <sup>2</sup><br>SC-3PSNL- <b>EE</b> <sup>10</sup> |
| 4-way       | 15A* | CA-4PSNL- <b>EE</b> <sup>2</sup><br>SC-4PSNL- <b>EE</b> <sup>10</sup> |

**CC**<sup>3</sup>: Gloss color codes, see pg. 161

**CC**<sup>4</sup>: Satin color codes, see pg. 161

**EE**<sup>2</sup>: Only available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)

**EE**<sup>4</sup>: Only available in White (WH) and Black (BL)

**EE**<sup>10</sup>: Available in Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), Sea Glass (SG) and Snow (SW)

\*Stainless Steel finish only available as separate wallplate. Match with separate Black (BL) or Midnight (MN) controls and accessories.

## 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

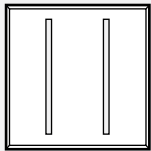
### Custom ganging for Architectural style controls

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

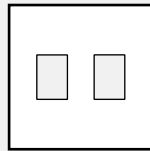
## Standard ganging for dimmers, switches and accessories

### New Architectural



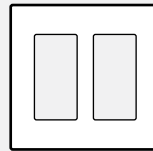
pg. 148

### Architectural



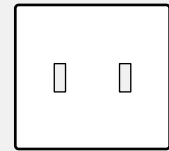
pg. 152

### Designer

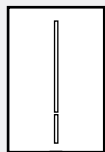


pg. 160

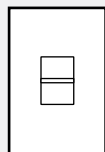
### Traditional



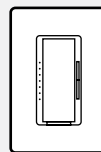
pg. 166



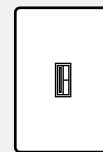
Vierti®



Vareo®  
Nova T☆®



Maestro®  
Maestro IR®  
Maestro Wireless®  
Spacer System®  
Diva®  
Lyneo® Lx  
Skylark®  
Skylark Contour™



Abella®  
Ceana®  
Ariadni®  
Glyder®  
Rotary

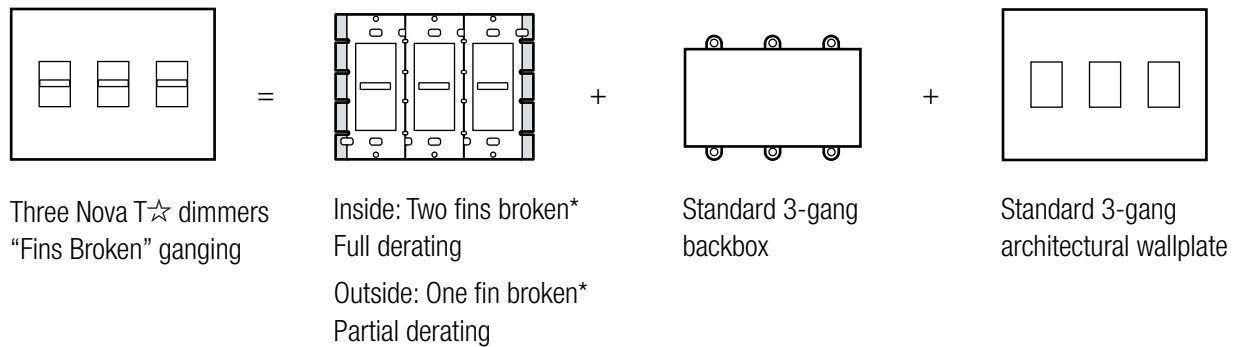
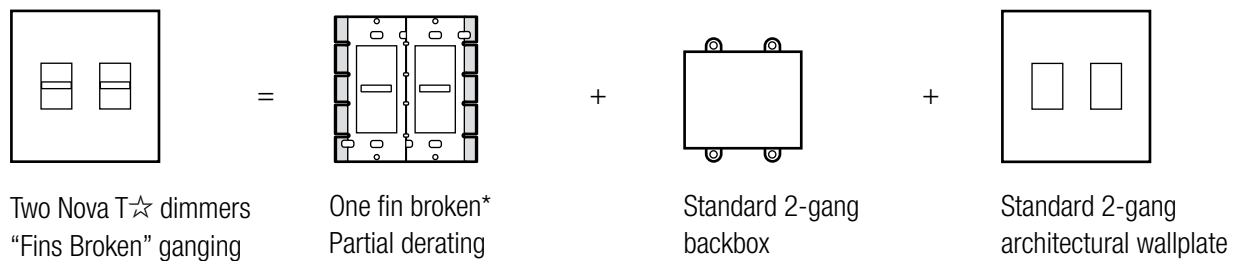
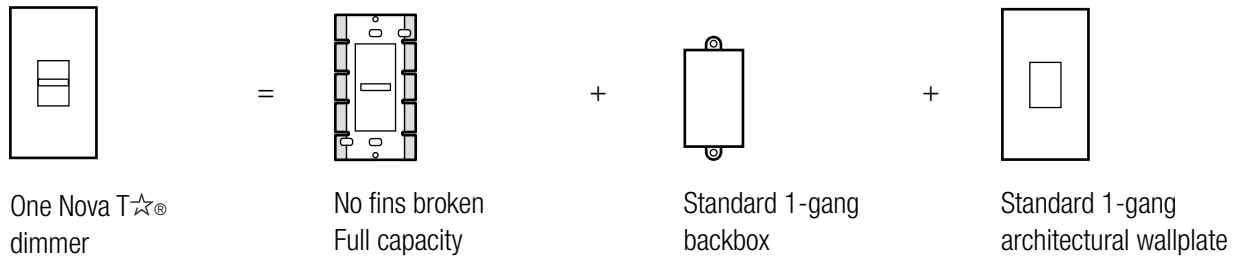
Derating Table 1  
pg. 172

Derating Table 2  
pg. 173

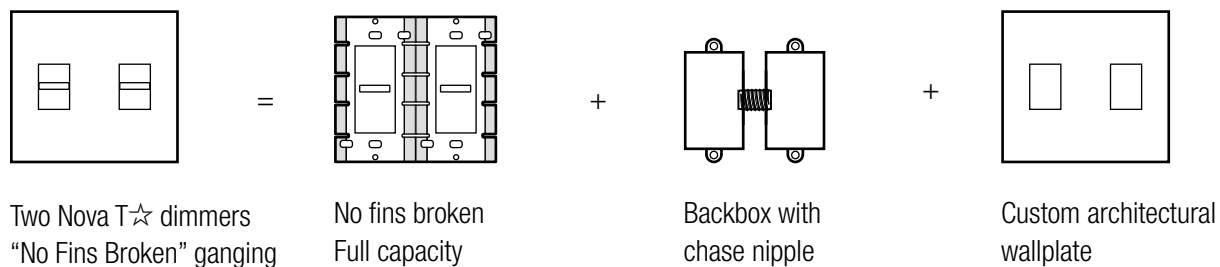
Derating Table 1  
pg. 172

Derating Table 1  
pg. 172

## Standard ganging and fins broken derating examples:



## Custom Architectural ganging example:



For further information on ganging and derating, visit [www.lutron.com/multigang](http://www.lutron.com/multigang).

\*The fins are scored and designed to be removed easily.

**Derating Table 1**

**New Architectural** | Verti®

**Designer** | Maestro®, Maestro IR®, Maestro Wireless®, Spacer System®, Diva®, Lyneo® Lx, Skylark Contour™, Skylark®

**Traditional** | Abella®, Ceano®, Ariadni®, Glyder®, Rotary



**No fins broken**



**1 fin broken**



**2 fins broken**

|  | No fins broken | 1 fin broken   | 2 fins broken    |
|--|----------------|----------------|------------------|
| <b>Incandescent</b>                                    |                |                |                  |
| Dimmers  | 600W           | 500W           | 400W             |
|  | 1000W          | 800W           | 650W             |
| Dual dimmers   | 300W           | 250W           | 200W             |
|  | 300W           | 250W           | 200W             |
| <b>Magnetic low-voltage</b>                            |                |                |                  |
| Dimmers  | 600VA/450W     | 500VA/400W     | 400VA/300W       |
|  | 1000VA/800W    | 800VA/650W     | 650VA/500W       |
| <b>Electronic low-voltage</b>                          |                |                |                  |
| Dimmers  | 300W           | 250W           | 200W             |
|  | 500W           | 450W           | 400W             |
|  | 600W           | 500W           | 400W             |
| <b>Fluorescent</b>                                     |                |                |                  |
| <b>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</b> |                |                |                  |
| Verti  | 60 ballasts/6A | 50 ballasts/5A | 35 ballasts/3.5A |
| Maestro/Spacer System                                  | 20 ballasts/6A | 20 ballasts/5A | 20 ballasts/3.5A |
| Diva, Skylark, Lyneo Lx and Ariadni                    | no derating    | no derating    | no derating      |
| Tu-Wire®: Spacer System, Diva, Skylark                 | 5A             | 4A             | 3.3A             |
| <b>Fan controls</b>                                    |                |                |                  |
| Quiet 7-speed  | 1.0A/300W      | 1.0A/300W      | 1.0A/300W        |
| Quiet 3-speed  | 1.5A           | 1.5A           | 1.5A             |
| Fully variable   | 5A             | 4A             | 3A               |
| <b>Fan/light controls</b>                              |                |                |                  |
| Quiet 7-speed  | 1.0A/300W      | 1.0A/300W      | 1.0A/300W        |
| Quiet 3-speed  | 1.5A/300W      | 1.5A/300W      | 1.5A/300W        |
|  | 1.5A/360W      | 1.5A/360W      | 1.5A/360W        |
| Fully variable   | 2.5A/300W      | 2.1A/250W      | 1.7A/200W        |
| <b>Electronic switches</b>                             |                |                |                  |
| Verti  | 6A/3A          | 5A/3A          | 3.5A/3A          |
| Maestro (light/fan)                                    | 8A/3A          | 6.5A/3A        | 5A/3A            |
| Abella (light/fan)                                     | 6A/3A          | 5A/3A          | 3.5A/3A          |



**Derating Table 2**

**Architectural** | Vareo®, Nova T☆®



**No fins broken**



**1 fin broken**



**2 fins broken**

|  | No fins broken   | 1 fin broken     | 2 fins broken      |
|--|------------------|------------------|--------------------|
| <b>Incandescent</b>                                    |                  |                  |                    |
| Dimmers  | 600W             | 500W             | 300W               |
|  | 1000W            | 900W             | 700W               |
|  | 1500W            | 1250W            | 1000W              |
|  | 1950W            | –                | –                  |
| <b>Magnetic low-voltage</b>                            |                  |                  |                    |
| Dimmers  | 600 VA/450 W     | 500 VA/400 W     | 300 VA/250 W       |
|  | 1000 VA/800 W    | 900 VA/750 W     | 700 VA/500 W       |
|  | 1500 VA/1200 W   | 1250 VA/1000 W   | 1000 VA/800 W      |
| <b>Electronic low-voltage</b>                          |                  |                  |                    |
| Dimmers  | 300W             | 300W             | 250W               |
|  | 600W             | 500W             | 400W               |
| <b>Fluorescent</b>                                     |                  |                  |                    |
| <b>Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®</b> |                  |                  |                    |
| Vareo  | 20 ballasts /8 A | 20 ballasts /6 A | 20 ballasts /4.5 A |
| Nova T☆  | 6 A              | no derating      | no derating        |
|  | 8 A              | no derating      | no derating        |
|  | 16 A             | no derating      | no derating        |
| 0-10VDC control <sup>1</sup>                           | 30mA ballasts    | no derating      | no derating        |
| Tu-Wire®   | 5 A              | 4 A              | 3.3 A              |
| <b>Fan controls</b>                                    |                  |                  |                    |
| Quiet 3-speed  | 1.5 A            | no derating      | no derating        |
| Fully variable   | 6 A              | 4.2 A            | 2.5 A              |
| Fully variable   | 12 A             | 10 A             | 8.3 A              |
| <b>Electronic tapswitches<sup>2</sup></b>              |                  |                  |                    |
| VETS-1000-   | 1000W            | 800W             | 650W               |
| VETS-1000-SL-  | 1000W            | 900W             | 700W               |
| VETN-1000-   | 1000 VA          | 700 VA           | 550 VA             |

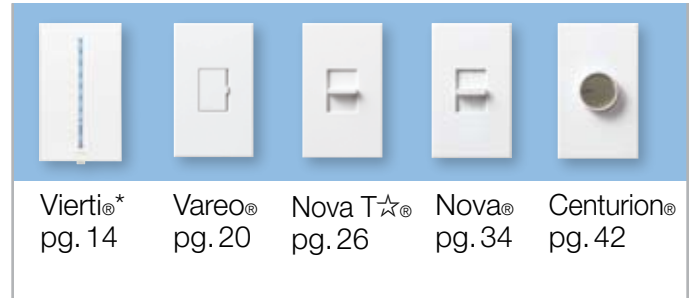
For further information on ganging Nova®, visit [www.lutron.com/customganging](http://www.lutron.com/customganging).

<sup>1</sup>PowerPack required for line voltage switching.

<sup>2</sup>VETS-R-Auxiliary electronic tapswitches do not require derating.

## Dimmer capabilities and interface requirements

- 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



| Dimmers   | capacity†                       | M          |            |            |            |            |
|---|---------------------------------|------------|------------|------------|------------|------------|
| <b>Incandescent/halogen</b> 120V                    | 600W                            |            |            |            | <b>M</b>   |            |
|   | 1000W                           |            |            |            | <b>M</b>   |            |
|   | 1500W                           |            |            | <b>WBX</b> |            |            |
|   | 2000W                           |            |            | <b>WBX</b> |            |            |
| <b>Magnetic low-voltage</b> 120V                    | 600 VA (450W)                   |            |            |            |            |            |
|   | 1000 VA (800W)                  |            |            |            |            |            |
|   | 1500 VA (1200W)                 |            |            | <b>WBX</b> |            |            |
|   | 2000 VA (1600W)                 |            |            | <b>WBX</b> | <b>WBX</b> |            |
| <b>Magnetic low-voltage</b> 277V                    | 600 VA (450W)                   |            |            | <b>WBX</b> |            | <b>WBX</b> |
|   | 1000 VA (800W)                  |            |            | <b>WBX</b> |            | <b>WBX</b> |
| <b>Electronic low-voltage</b> 120V                  | 300W                            |            |            | <b>WBX</b> |            |            |
|   | 450W                            |            |            | <b>WBX</b> | <b>WBX</b> |            |
|   | 600W                            |            |            | <b>WBX</b> |            | <b>WBX</b> |
| <b>Electronic low-voltage</b> 277V                  | 16A                             |            |            | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |
| <b>Neon/cold cathode</b>                            |                                 |            |            | <b>WBX</b> | <b>WBX</b> |            |
| <b>3-wire ballasts and Hi-lume® LED driver</b> 120V | 6A                              |            |            |            |            |            |
|   | Hi-lume, Hi-lume Compact SE,    | 8A         |            |            |            |            |
|   | Eco-10® and EcoSystem® ballasts | 16A        |            |            | <b>3F</b>  |            |
| <b>3-wire ballasts and Hi-lume LED driver</b> 277V  | 6A                              |            |            | <b>3F</b>  |            |            |
|   | Hi-lume, Hi-lume Compact SE,    | 8A         |            |            | <b>3F</b>  |            |
|   | Eco-10 and EcoSystem ballasts   | 16A        |            |            | <b>3F</b>  | <b>3F</b>  |
|   |                                 |            |            |            | <b>3F</b>  | <b>3F</b>  |
| <b>Tu-Wire®</b> ballasts 120V                       | 5A                              |            |            | <b>PA</b>  |            |            |
| <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V   | 16A                             | <b>TVI</b> | <b>TVI</b> |            |            |            |

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

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

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

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

**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).

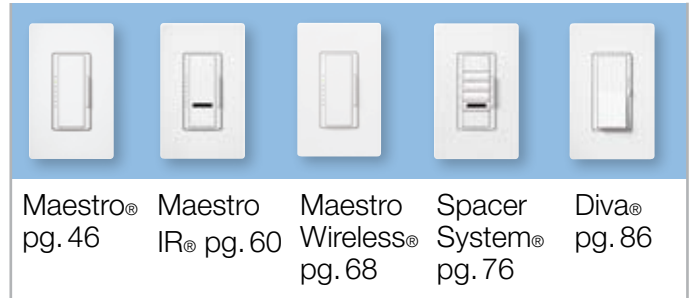
## Dimmer capabilities and interface requirements











**M** Multi-location—true dimming from each location

**E** eco-model available

 Compatible dimmer (no interface)

**WBX** **TVI** **3F** **PA** Requires interface, see notes below



| Dimmers   | capacity†   | <b>M</b>   | <b>M</b>  | <b>M</b>   | <b>M</b>   |            |           |
|---|---|------------|-----------|------------|------------|------------|-----------|
|  <b>Incandescent/halogen</b> 120V                      | 600W  | <b>E</b>   |           |            |            | <b>E</b>   |           |
|   | 1000W   |            |           |            |            |            |           |
|   | 1500W   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|   | 2000W   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Magnetic low-voltage</b> 120V                      | 600VA (450W)  |            |           |            |            |            |           |
|   | 1000VA (800W)   |            |           |            |            |            |           |
|   | 1500VA (1200W)  | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|   | 2000VA (1600W)  | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Magnetic low-voltage</b> 277V                      | 600VA (450W)  | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|   | 1000VA (800W)   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Electronic low-voltage</b> 120V                  | 300W  |            |           | <b>WBX</b> |            |            |           |
|   | 450W  |            |           | <b>WBX</b> |            | <b>WBX</b> |           |
|   | 600W  |            |           | <b>WBX</b> |            | <b>WBX</b> |           |
|  <b>Electronic low-voltage</b> 277V                  | 16A   | <b>WBX</b> |           | <b>WBX</b> | <b>WBX</b> | <b>WBX</b> |           |
|  <b>Neon/cold cathode</b>                            |   |            |           | <b>WBX</b> |            | <b>WBX</b> |           |
|  <b>3-wire ballasts and Hi-lume® LED driver</b> 120V | 6A  |            |           |            |            |            |           |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10® and EcoSystem® ballasts | 8A         | <b>3F</b> |            | <b>3F</b>  | <b>3F</b>  |           |
|   | 16A   | <b>3F</b>  |           | <b>3F</b>  | <b>3F</b>  | <b>3F</b>  |           |
|  <b>3-wire ballasts and Hi-lume LED driver</b> 277V  | 6A  |            |           |            |            |            |           |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10 and EcoSystem ballasts   | 8A         | <b>3F</b> |            | <b>3F</b>  | <b>3F</b>  | <b>3F</b> |
|   | 16A   | <b>3F</b>  |           | <b>3F</b>  | <b>3F</b>  | <b>3F</b>  |           |
|  <b>Tu-Wire®</b> ballasts 120V                       | 5A  | <b>PA</b>  |           | <b>PA</b>  |            |            |           |
|  <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V   | 16A   | <b>TVI</b> |           | <b>TVI</b> | <b>TVI</b> | <b>TVI</b> |           |

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

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

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

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

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

†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

  Compatible dimmer (no interface)

**WBX** **TVI** **3F** **PA** Requires interface, see notes below

|   |   |         |       |       |       |
|---|---|--|--|--|--|
|   |   | Lyneo® Lx<br>pg. 94  | Skylark<br>Contour™<br>pg. 100   | Skylark®<br>pg. 104  | Abella®<br>pg. 114   |
| Dimmers   | capacity†   |  |  |  | <b>M</b>   |
|  <b>Incandescent/halogen</b> 120V                      | 600W  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>E</b>   | <b>E</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 1000W   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 1500W   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 2000W   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>Magnetic low-voltage</b> 120V                      | 600 VA (450W)   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 1000 VA (800W)  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 1500 VA (1200W)   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 2000 VA (1600W)   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>Magnetic low-voltage</b> 277V                      | 600 VA (450W)   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 1000 VA (800W)  | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>Electronic low-voltage</b> 120V                  | 300W  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 450W  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | 600W  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>Electronic low-voltage</b> 277V                  | 16A   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>Neon/cold cathode</b>                            |   | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>WBX</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>3-wire ballasts and Hi-lume® LED driver</b> 120V | 6A  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10® and EcoSystem® ballasts | 8A   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   |   | 16A  | <b>3F</b>  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>3F</b>  |
|  <b>3-wire ballasts and Hi-lume LED driver</b> 277V  | 6A  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|   | Hi-lume, Hi-lume Compact SE,<br>Eco-10 and EcoSystem ballasts   | 8A   | <b>3F</b>  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>3F</b>  |
|   |   | 16A  | <b>3F</b>  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>3F</b>  |
|  <b>Tu-Wire® ballasts</b> 120V                       | 5A  | <b>PA</b>  | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |
|  <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V   | 16A   | <b>TVI</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> | <b>TVI</b>   | <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px;"> </span> |

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

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

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

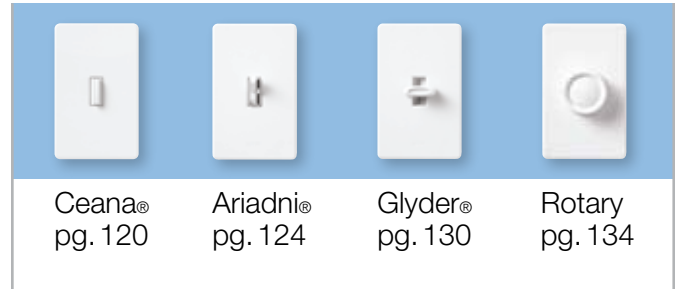
**TVI:** 0-10V Interface (GRX-TVI)











**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

- 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



| Dimmers  | capacity†                       |     |            |           |          |
|--|---------------------------------|-----|------------|-----------|----------|
|  <b>Incandescent/halogen</b> 120V                         | 600W                            |     | <b>E</b>   |           | <b>E</b> |
|  | 1000W                           |     |            |           |          |
|  | 1500W                           |     | <b>WBX</b> |           |          |
|  | 2000W                           |     | <b>WBX</b> |           |          |
|  <b>Magnetic low-voltage</b> 120V                         | 600 VA (450W)                   |     |            |           |          |
|  | 1000 VA (800W)                  |     |            |           |          |
|  | 1500 VA (1200W)                 |     | <b>WBX</b> |           |          |
|  | 2000 VA (1600W)                 |     | <b>WBX</b> |           |          |
|  <b>Magnetic low-voltage</b> 277V                         | 600 VA (450W)                   |     | <b>WBX</b> |           |          |
|  | 1000 VA (800W)                  |     | <b>WBX</b> |           |          |
|  <b>Electronic low-voltage</b> 120V                     | 300W                            |     | <b>WBX</b> |           |          |
|  | 450W                            |     | <b>WBX</b> |           |          |
|  | 600W                            |     | <b>WBX</b> |           |          |
|  <b>Electronic low-voltage</b> 277V                     | 16A                             |     | <b>WBX</b> |           |          |
|  <b>Neon/cold cathode</b>                               |                                 |     | <b>WBX</b> |           |          |
|  <b>3-wire ballasts and Hi-lume® LED driver</b> 120V 6A | Hi-lume, Hi-lume Compact SE,    | 8A  |            |           |          |
|  | Eco-10® and EcoSystem® ballasts | 16A |            | <b>3F</b> |          |
|  |                                 |     |            |           |          |
|  <b>3-wire ballasts and Hi-lume LED driver</b> 277V 6A  | Hi-lume, Hi-lume Compact SE,    | 8A  |            | <b>3F</b> |          |
|  | Eco-10 and EcoSystem ballasts   | 16A |            | <b>3F</b> |          |
|  |                                 |     |            |           |          |
|  <b>Tu-Wire®</b> ballasts 120V                          | 5A                              |     | <b>PA</b>  |           |          |
|  <b>0-10VDC</b> (ballasts or LED Drivers) 120/277V      | 16A                             |     | <b>TVI</b> |           |          |

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

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




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

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

**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**

|                        | Incandescent, magnetic and electronic low-voltage (120/277 V)                                |                         | 3-wire Fluorescent ballasts or Hi-lume® LED drivers (120/277 V)                              |                         | 0-10VDC Ballasts or LED drivers (120/277 V)  |                         |
|------------------------|--|-------------------------|--|-------------------------|--|-------------------------|
|                        | <b>WBX</b>  |                         | <b>3F</b>  |                         | <b>TVI</b>  |                         |
|                        | Wallbox Phase Adaptive Power Module*<br>PHPM-WBX-DV-WH                                       |                         | Fluorescent Power Module*<br>PHPM-3F-DV-WH   |                         | 0-10V Interface<br>GRX-TV1   |                         |
| <b>Dimmer Family</b>   | Single-pole  | 3-way or multi-location | Single-pole  | 3-way or multi-location | Single-pole  | 3-way or multi-location |
| Abella®                | –  | –                       | –  | –                       | –  | –                       |
| Ariadni®               | –  | AYF-103P-               | –  | AYF-103P-               | –  | AYF-103P-               |
| Ceana®                 | –  | –                       | –  | –                       | –  | –                       |
| Diva® Gloss            | –  | DVF-103P-               | –  | DVF-103P-               | –  | DVF-103P-               |
| Diva Satin Colors®     | –  | DVSCF-103P-             | –  | DVSCF-103P-             | –  | DVSCF-103P-             |
| Glyder®                | –  | –                       | –  | –                       | –  | –                       |
| Lyneo® Lx              | –  | LXF-103PL-              | –  | LXF-103PL-              | –  | LXF-103PL-              |
| Maestro® Gloss         | –  | MAF-6AM-                | –  | MAF-6AM-                | –  | MAF-6AM-                |
| Maestro® Satin Colors® | –  | MSCF-6AM-               | –  | MSCF-6AM-               | –  | MSCF-6AM-               |
| Maestro Wireless®      | –  | MRF2-F6AN-DV-           | –  | MRF2-F6AN-DV-           | –  | MRF2-F6AN-DV-           |
| Nova®                  | NF-10-   | NF-103P-                | NF-10-   | NF-103P-                | NF-10-   | NF-103P-                |
| Nova T☆®               | NTF-10-  | NTF-103P-               | NTF-10-  | NTF-103P-               | NTF-10-  | NTF-103P-               |
| Skylark®               | SF-10P-  | SF-103P-                | SF-10P-  | SF-103P-                | SF-10P-  | SF-103P-                |
| Spacer System®         | –  | SPSF-6AM-               | –  | SPSF-6AM-               | SPSF-S6A-  | SPSF-6AM-               |
| Vareo®                 | –  | VF-10-                  | –  | VF-10-                  | –  | VF-10-                  |
| Vierti®                | contact Lutron   |                         | contact Lutron   |                         | –  | VTF-6AM-                |

**Use only dimmer model numbers listed.**

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

## Dimmer models/load interface compatibility

| Dimmer Family          | Tu-Wire® Fluorescent Ballasts (120V)   |                         | Switched Lighting (120/277V)   |                         |
|------------------------|--|-------------------------|--|-------------------------|
|                        | PA  |                         | SW  |                         |
|                        | Phase Adaptive Power Module*<br>PHPM-PA-DV-WH  |                         | Switching Power Module*<br>PHPM-SW-DV-WH   |                         |
|                        | Single-pole  | 3-way or multi-location | Single-pole  | 3-way or multi-location |
| Abella®                | –  | –                       | –  | AB-S6AM-                |
| Ariadni®               | –  | AYF-103P-               | –  | –                       |
| Ceana®                 | –  | –                       | –  | –                       |
| Diva® Gloss            | –  | DVF-103P-               | –  | –                       |
| Diva Satin Colors®     | –  | DVSCF-103P-             | –  | –                       |
| Glyder®                | –  | –                       | –  | –                       |
| Lyneo® Lx              | –  | LXF-103PL-              | LX-1PSL-   | LX-3PSL-                |
| Maestro® Gloss         | –  | MAF-6AM-                | –  | MA-S8AM-                |
| Maestro® Satin Colors® | –  | MSCF-6AM-               | –  | MSC-S8AM-               |
| Maestro Wireless®      | –  | MRF2-F6AN-DV-           | –  | MRF2-6ANS-              |
| Nova®                  | NF-10-   | NF-103P-                | –  | –                       |
| Nova T☆®               | NTF-10-  | NTF-103P-               | –  | –                       |
| Skylark®               | SF-10P-  | SF-103P-                | –  | –                       |
| Spacer System®         | SPSF-S6A-  | SPSF-6AM-               | SPSF-S6A-  | SPSF-S6AM-              |
| Vareo®                 | –  | VF-10-                  | –  | VETN-1000-              |
| Vierti®                | contact Lutron   |                         | contact Lutron   |                         |

### Technical notes

- Lighting load interfaces must be matched to load type and voltage
- All load interfaces for dimmed load are controlled by a 120V 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)

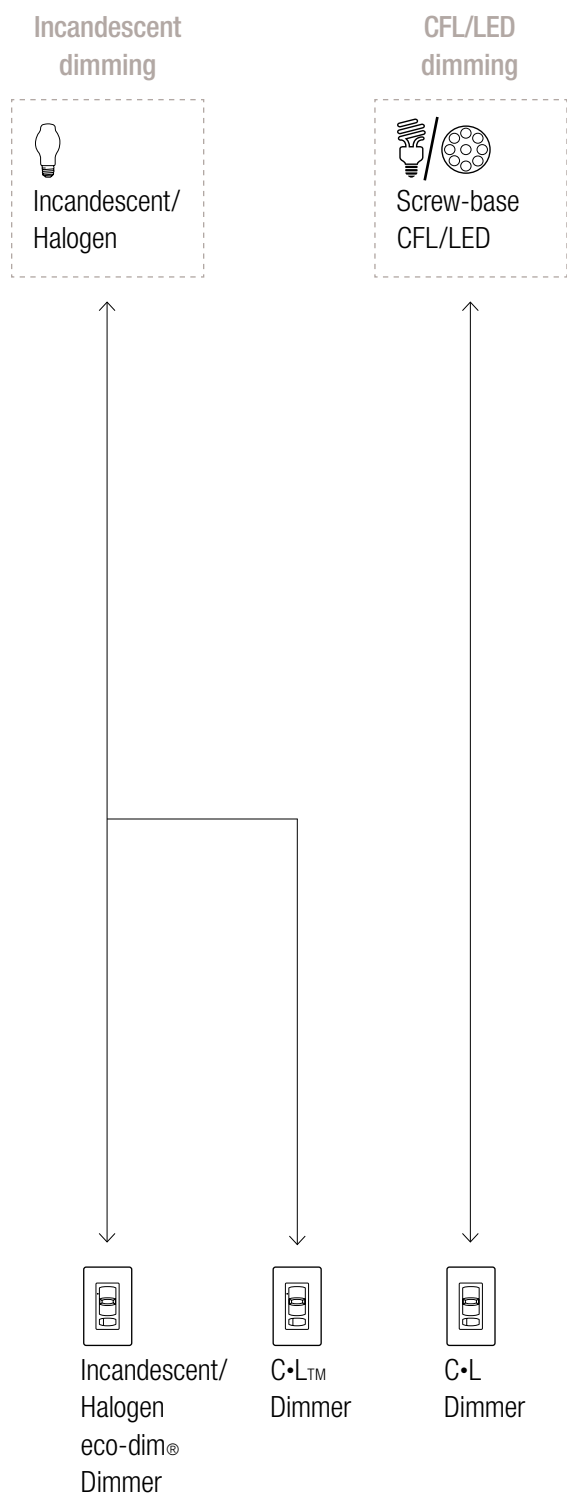
### Interface mounting

- 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 120/277V model given, 120V only versions are also available. Please see Technical notes, pg. 179.

## Skylark Contour™



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