



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

**Product family features**

- Large paddle switch with a captive linear-slide dimmer for a standard designer wallplate opening
- Preset dimmer
- Select lighter color models feature built-in soft-glow locator light
- C•L™ dimmers offer more reliable dimming performance over standard dimmers when dimming CFLs and LEDs; they also provide full range dimming for incandescent and halogen bulbs as well as mixed loads types
- C•L dimmers feature HED™ Technology with advanced dimming circuitry designed for compatibility with most high-efficacy light bulbs
- eco-dim® model available
- 1000W preset dimmers have voltage compensation, which maintains stable light levels, despite line voltage variations
- Coordinating Claro®, Satin Colors® 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 CFL/LED lighting (screw-base)
- Ceiling fans

**Load type requiring load interface**

- Neon/cold cathode lighting

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

For additional information, see pg. 174.

**Available finishes**

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

Gloss finishes\*



**WH**  
White



**LA**  
Light Almond



**AL**  
Almond



**IV**  
Ivory



**GR**  
Gray



**BR**  
Brown



**BL**  
Black

Satin 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

\*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) or Midnight (MN) controls.

## Dimmers

### Dimmers



- Paddle turns on/off
- Slide up to brighten; down to dim
- Locator light shines through paddle on select lighter colored models
- **C•L™** models provide more reliable dimming for screw-base CFL and LED lighting loads
- **eco-dim®** model guarantees at least 15% energy savings compared to a standard switch

## Fan controls and switches

### Fan controls



- Paddle turns on/off
- Slide up to increase speed; down to decrease speed
- Three quiet fan speeds for increased comfort
- For use with only one ceiling paddle fan
- Does not include locator light
- Designed to prevent motor hum

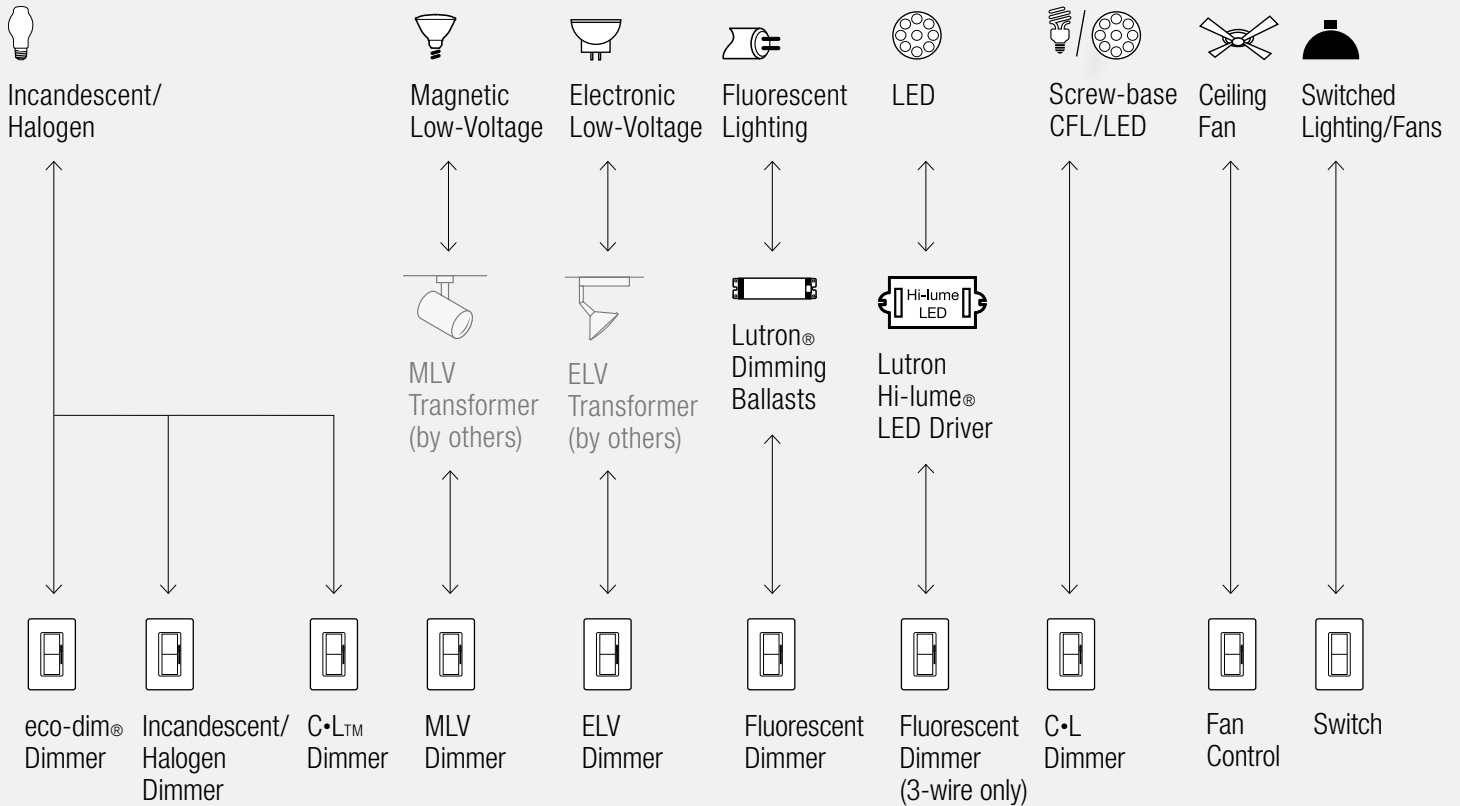
### Switches



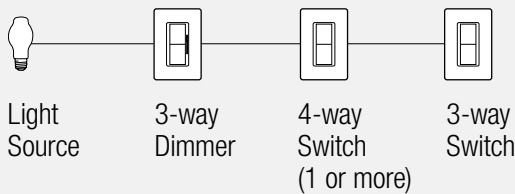
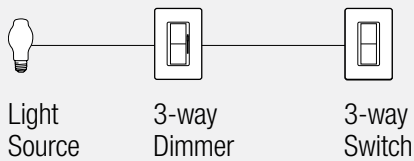
- Paddle turns on/off
- Use with any 15A load
- General purpose switching of all sources and motor loads
- Available with locator light

**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**

Single-pole 120V 600W	DV-600P- <b>CC</b> <sup>3</sup> DVSC-600P- <b>CC</b> <sup>4</sup>
Single-pole 120V 1000W	DV-10P- <b>CC</b> <sup>3</sup> DVSC-10P- <b>CC</b> <sup>4</sup>
3-way 120V 600W	DV-603P- <b>CC</b> <sup>3</sup> DVSC-603P- <b>CC</b> <sup>4</sup>
3-way 120V 1000W	DV-103P- <b>CC</b> <sup>3</sup> DVSC-103P- <b>CC</b> <sup>4</sup>
3-way/single-pole 120V 600W	DVCL-153P- <b>CC</b> <sup>3</sup>
3-way/single-pole 120V 600W	DVSCCL-153P- <b>CC</b> <sup>4</sup>

Refer to the “how to calculate wattage when mixing lamp types” table on, [www.lutron.com/dimcflled](http://www.lutron.com/dimcflled), when using a combination of bulb types with the C•L™ dimmer.

**eco-dim® dimmer with locator light**

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

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

 **Dimmable CFL bulbs (screw-base)**

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

**Dimmers**

3-way/single-pole 120V 150W	DVCL-153P- <b>CC</b> <sup>3</sup>
3-way/single-pole 120V 150W	DVSCCL-153P- <b>CC</b> <sup>4</sup>

Refer to the “how to calculate wattage when mixing lamp types” table on, [www.lutron.com/dimcflled](http://www.lutron.com/dimcflled), when using a combination of bulb types with the C•L dimmer.

Visit [www.lutron.com](http://www.lutron.com) for an approved list of dimmable CFL/LED bulbs.

 **Magnetic low-voltage dimmers**

**Dimmers**

Single-pole 120V 600 VA (450W)	DVLV-600P- <b>CC</b> <sup>3</sup> DVSCLV-600P- <b>CC</b> <sup>4</sup>
Single-pole 120V 1000 VA (800W)	DVLV-10P- <b>CC</b> <sup>3</sup> DVSCLV-10P- <b>CC</b> <sup>4</sup>
3-way 120V 600 VA (450W)	DVLV-603P- <b>CC</b> <sup>3</sup> DVSCLV-603P- <b>CC</b> <sup>4</sup>
3-way 120V 1000 VA (800W)	DVLV-103P- <b>CC</b> <sup>3</sup> DVSCLV-103P- <b>CC</b> <sup>4</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.

**CC**<sup>3</sup>: Gloss color codes, see pg. 87  
**CC**<sup>4</sup>: Satin color codes, see pg. 87  
**EE**<sup>2</sup>: Available in White (WH), Ivory (IV), Almond (AL) and Light Almond (LA)  
 (Wallplates not included with above, order separately, see pg. 160)

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

### Dimmer model numbers

#### **Electronic low-voltage dimmers\***

##### Dimmers

Single-pole 120V 300W	DVELV-300P- <b>CC</b> <sup>3</sup> DVSEELV-300P- <b>CC</b> <sup>4</sup>
3-way 120V 300W	DVELV-303P- <b>CC</b> <sup>3</sup> DVSEELV-303P- <b>CC</b> <sup>4</sup>

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

#### **3-wire fluorescent dimmers\***

##### Dimmers

3-way/single-pole 120V 8A	DVF-103P- <b>CC</b> <sup>3</sup> DVSCF-103P- <b>CC</b> <sup>4</sup>
3-way/single-pole 277V 6A	DVF-103P-277- <b>CC</b> <sup>3</sup> DVSCF-103P-277- <b>CC</b> <sup>4</sup>

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

Also compatible with Hi-lume® LED driver.

No derating required if ganged.

Adjustable low-end trim.

#### **0-10V dimmers**

(current sink control)

##### Dimmers

Single-pole 30mA max control current	DVTV- <b>CC</b> <sup>3</sup>
Single-pole 30mA max control current	DVSCTV- <b>CC</b> <sup>4</sup>

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

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

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

No derating required if ganged.

Adjustable high-end and low-end trim.

#### **Tu-Wire® fluorescent dimmers**

##### Dimmers

3-way/single-pole 120V 5A	DVFTU-5A3P- <b>CC</b> <sup>3</sup> DVSCFTU-5A3P- <b>CC</b> <sup>4</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. 87

**CC**<sup>4</sup>: Satin color codes, see pg. 87

(Wallplates not included with above, order separately, see pg. 160)

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

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


**\*Requires neutral wire connection.**

**Dimmer model numbers**

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

Dimmers	
3-way/single-pole 120V 8A	DVF-103P- <b>CC</b> <sup>3</sup> DVSCF-103P- <b>CC</b> <sup>4</sup>
3-way/single-pole 277V 6A	DVF-103P-277- <b>CC</b> <sup>3</sup> DVSCF-103P-277- <b>CC</b> <sup>4</sup>

Exclusively compatible with Hi-Lume LED driver  
For more information on Hi-lume LED drivers, visit [www.lutron.com/HilumeLED](http://www.lutron.com/HilumeLED).  
No derating required if ganged.  
Adjustable low-end trim.

 **0-10V LED dimmers:**  
**0-10V dimmers**  
(current sink control)

Dimmers	
Single-pole 30mA max control current	DVTV- <b>CC</b> <sup>3</sup>
Single-pole 30mA max control current	DVSCTV- <b>CC</b> <sup>4</sup>

Control provides dimming signal only. For dimming with on/off switching, **use with Lutron PowerPack:** PP-120H, PP-277H or PP-347H.  
Consult ballast manufacturer for specific ballast current draw to determine maximum number of ballasts per control.  
For compatible 0-10V LED drivers by others, visit [www.lutron.com/LED](http://www.lutron.com/LED).  
No derating required if ganged.  
Adjustable high-end and low-end trim.

**CC**<sup>3</sup>: Gloss color codes, see pg. 87  
**CC**<sup>4</sup>: Satin color codes, see pg. 87  
**EE**<sup>2</sup>: Only available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)  
**EE**<sup>10</sup>: Available in Biscuit (BI), Eggshell (ES), Goldstone (GS), Limestone (LS), Sea Glass (SG) and Snow (SW)  
(Wallplates not included with above, order separately, see pg. 160)

**Fan control and switch model numbers**

 **Fan controls**

Fan controls—quiet 3-speed

3-way/single-pole 120V 1.5A	DVFSQ-F- <b>CC</b> <sup>3</sup> DVSCFSQ-F- <b>CC</b> <sup>4</sup>
3-way/single-pole 120V 2.0A	DVFSQ-F-HO- <b>CC</b> <sup>3</sup>

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

 **Switches**

General purpose switches

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

General purpose switches with locator light

Single-pole 120V 15A	CA-1PSNL- <b>EE</b> <sup>2</sup> SC-1PSNL- <b>EE</b> <sup>10</sup>
3-way 120V 15A	CA-3PSNL- <b>EE</b> <sup>2</sup> SC-3PSNL- <b>EE</b> <sup>10</sup>
4-way 120V 15A	CA-4PSNL- <b>EE</b> <sup>2</sup> SC-4PSNL- <b>EE</b> <sup>10</sup>

No derating required if ganged.

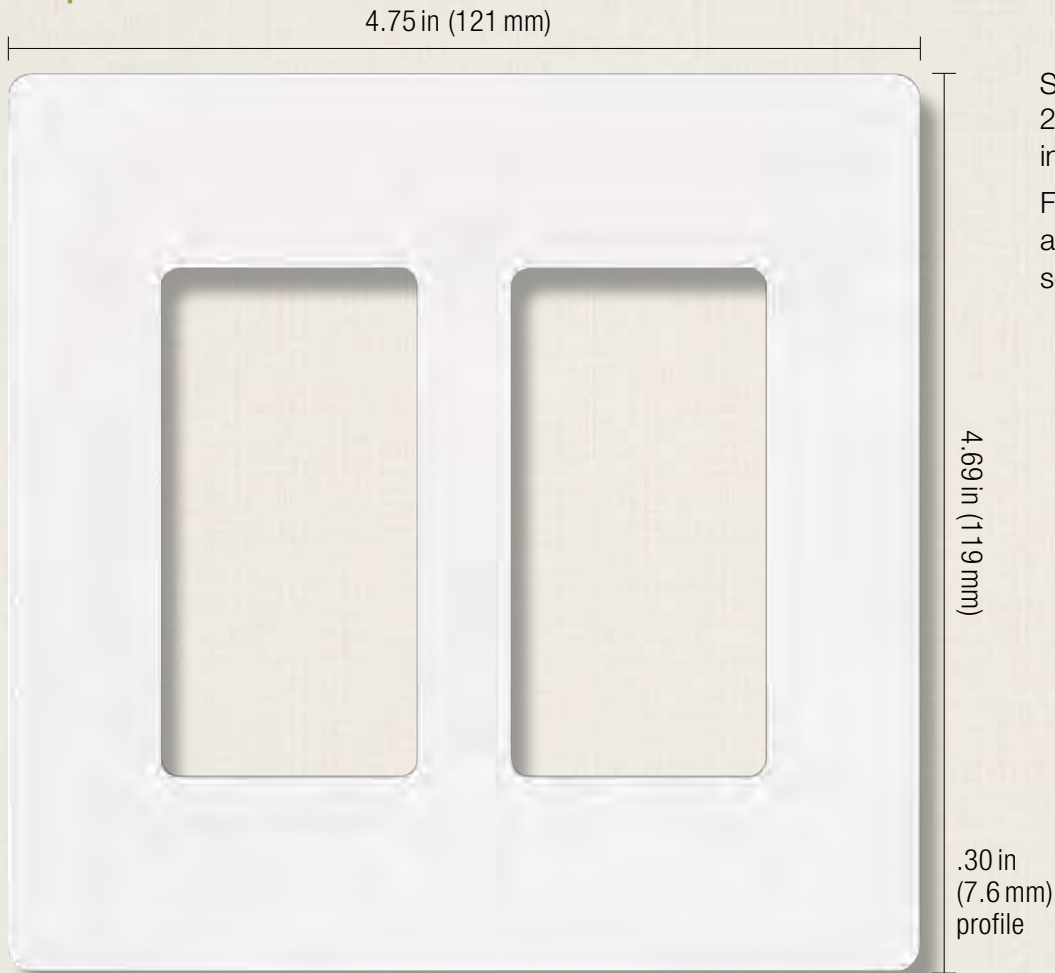
All models must be derated if ganged unless otherwise noted, see pg. 170.

**\*Requires neutral wire connection.**



**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



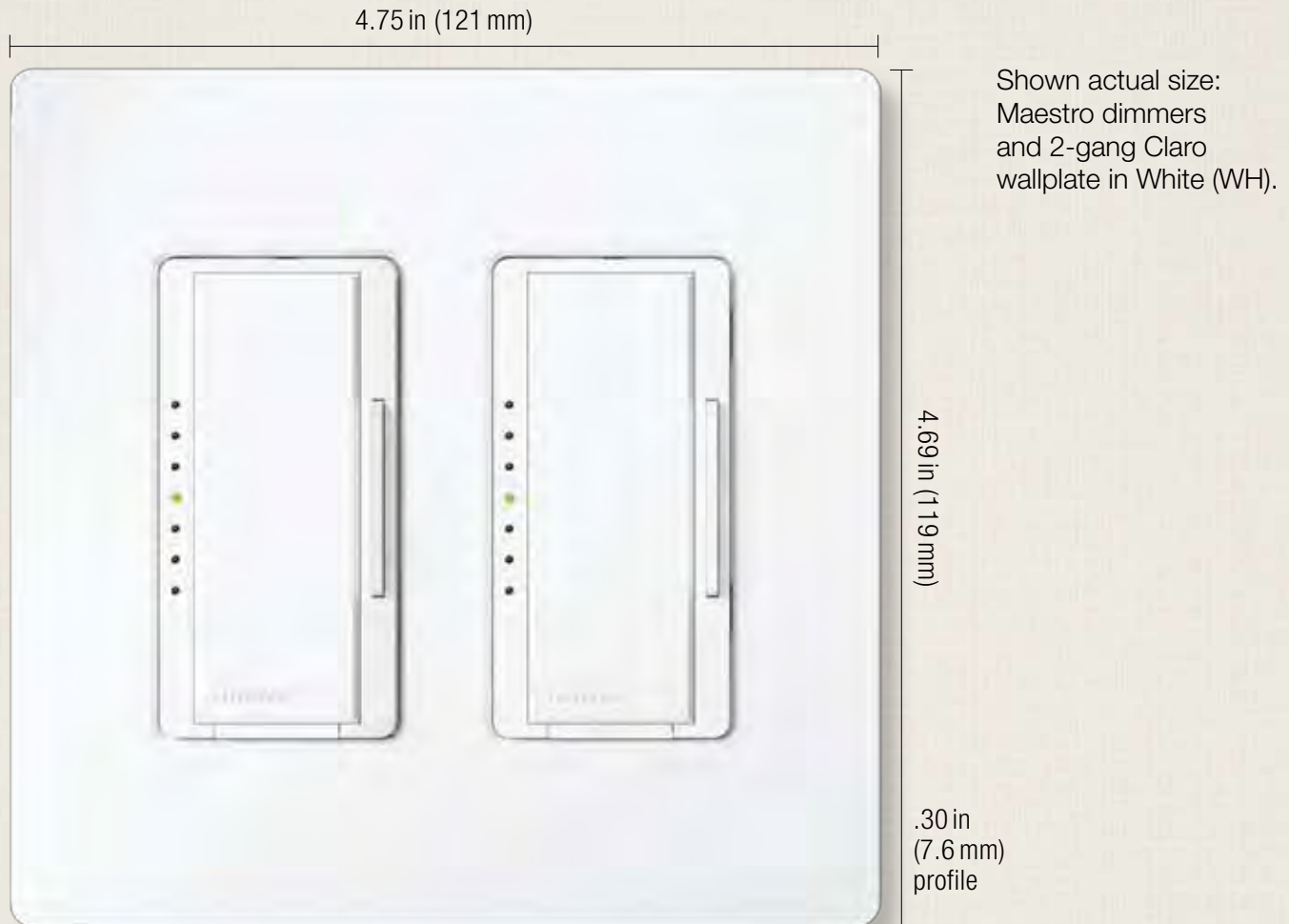
Customizable  
6-port frame



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



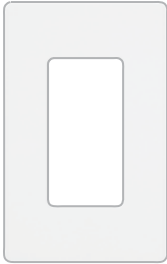
**MN**  
Midnight



**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>

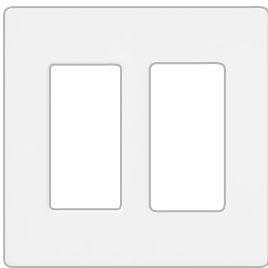
W: 2.94 in (75 mm); H: 4.69 in (119 mm)  
D: .30 in (7.6 mm)



4-gang\*

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

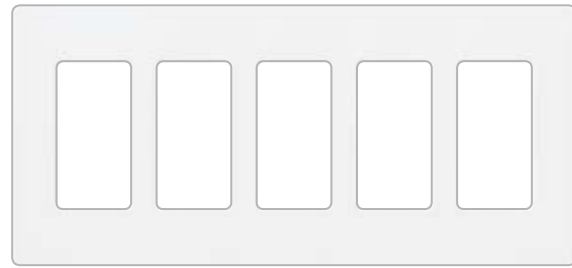
W: 8.37 in (213 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



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-**CC**<sup>3</sup>

SCRS-15-TR-**CC**<sup>4</sup>

20A, 125V\*

SCRS-20-TR-**CC**<sup>4</sup>

**Receptacles**

15A, 125V\*

CAR-15H-**CC**<sup>3</sup>

SCR-15-**CC**<sup>4</sup>

20A, 125V\*

SCR-20-**CC**<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-**CC**<sup>3</sup>

SCR-15-GFTR-**CC**<sup>4</sup>

20A, 125V\*

GFCI

SCR-20-GFTR-**CC**<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 White	RP-FDU-10-WH
120/125V 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> 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> SC-1PS- <b>CC</b> <sup>4</sup>
3-way	15A*	CA-3PSH- <b>CC</b> <sup>3</sup> SC-3PS- <b>CC</b> <sup>4</sup>
4-way	15A*	CA-4PSH- <b>CC</b> <sup>3</sup> 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> SC-1PSNL- <b>EE</b> <sup>10</sup>
3-way	15A*	CA-3PSNL- <b>EE</b> <sup>2</sup> SC-3PSNL- <b>EE</b> <sup>10</sup>
4-way	15A*	CA-4PSNL- <b>EE</b> <sup>2</sup> 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

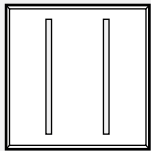
### Custom ganging for Architectural style controls

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

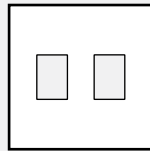
## Standard ganging for dimmers, switches and accessories

### New Architectural



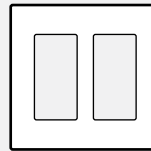
pg. 148

### Architectural



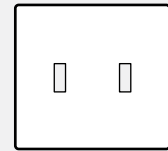
pg. 152

### Designer

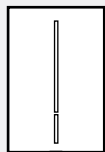


pg. 160

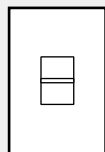
### Traditional



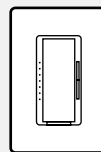
pg. 166



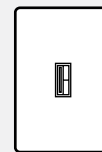
Vierti®



Vareo®  
Nova T☆®



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



Abella®  
Ceana®  
Ariadni®  
Glyder®  
Rotary

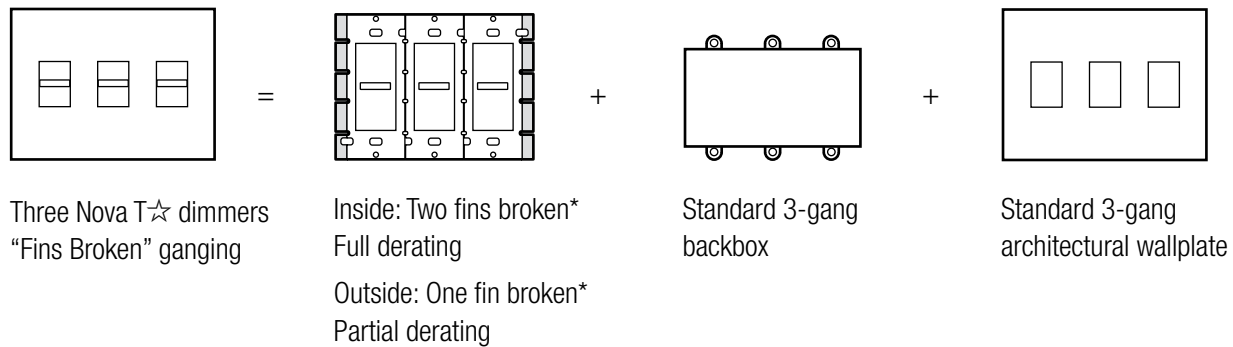
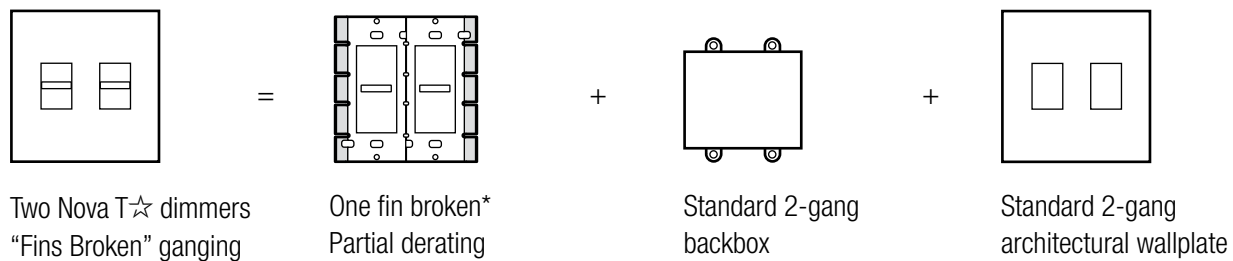
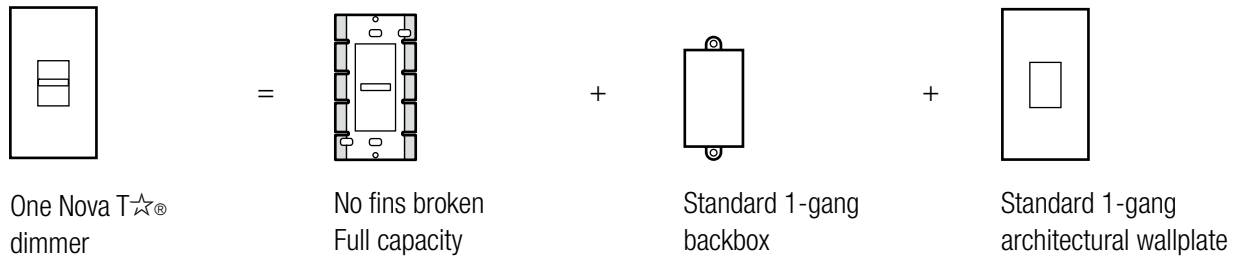
Derating Table 1  
pg. 172

Derating Table 2  
pg. 173

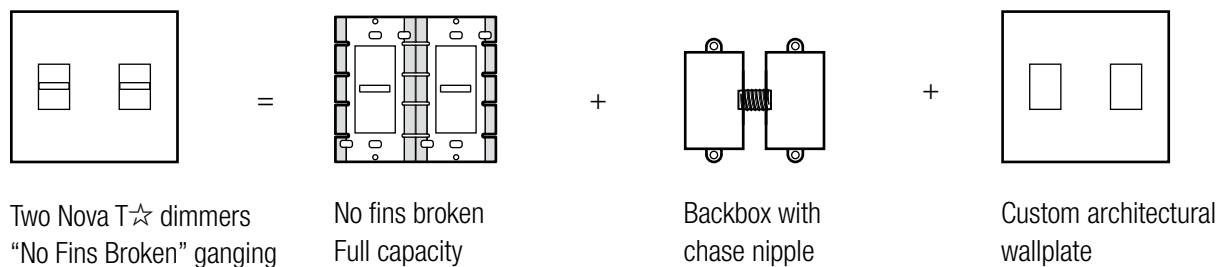
Derating Table 1  
pg. 172

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

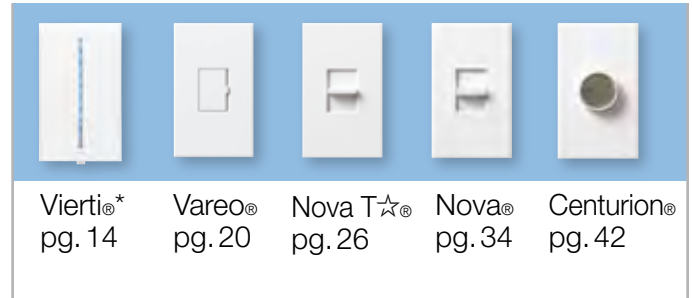
For further information on ganging Nova®, visit [www.lutron.com/customganging](http://www.lutron.com/customganging).











<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).

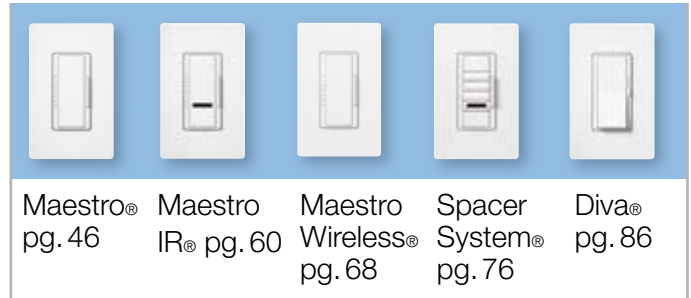
## Dimmer capabilities and interface requirements











**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, 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, 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 pg. 94	Skylark Contour™ pg. 100	Skylark® pg. 104	Abella® 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, 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, 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)

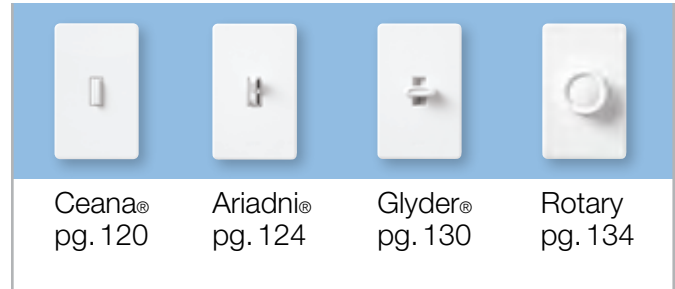
**PA:** Phase Adaptive Power Module (PHPM-PA-DV-WH)










†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®</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* PHPM-WBX-DV-WH		Fluorescent Power Module* PHPM-3F-DV-WH		0-10V Interface 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* PHPM-PA-DV-WH	Switching Power Module* 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)

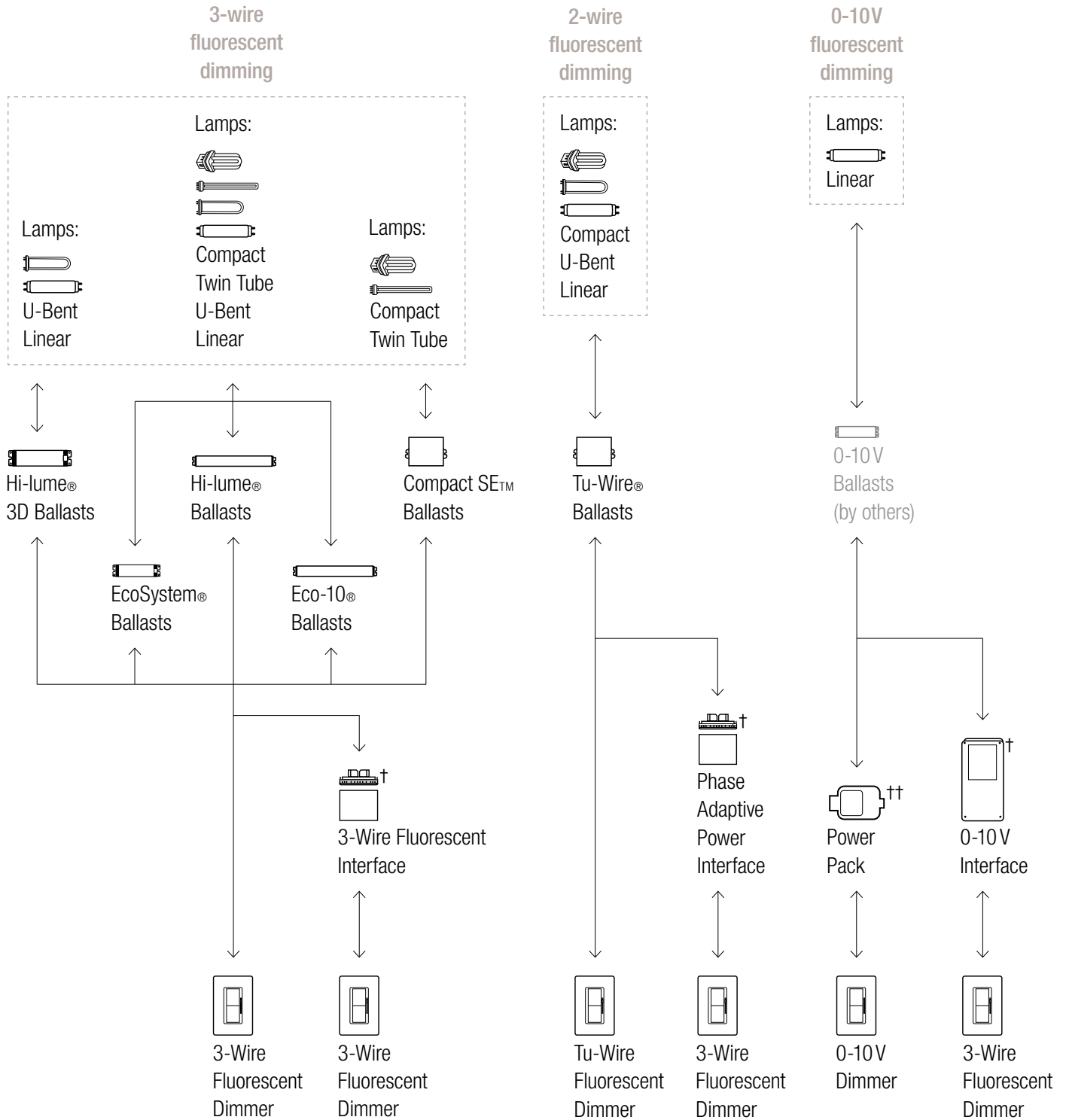
### Interface mounting

- 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.

Diva®



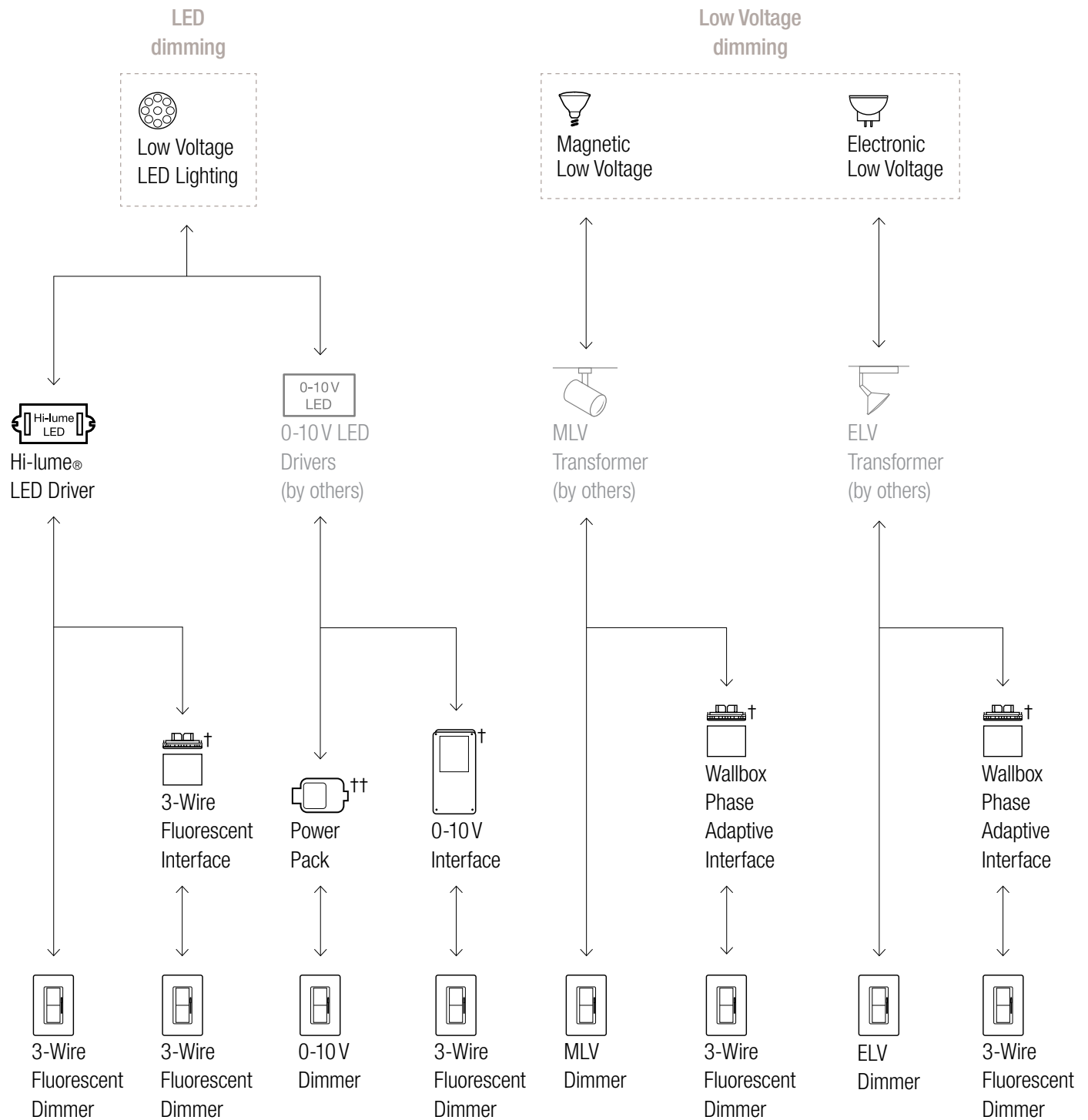
**For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

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

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

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

Diva®



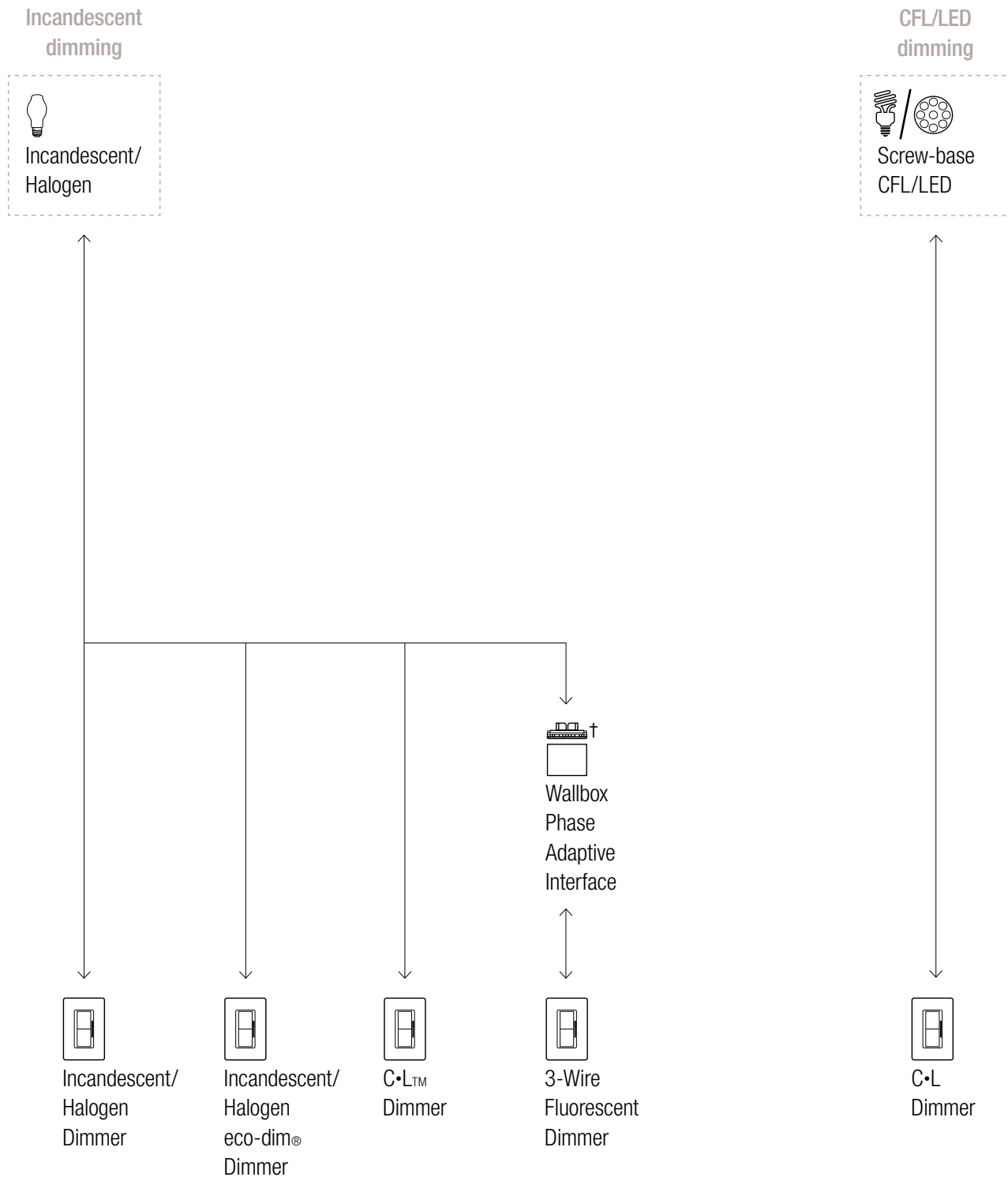
**For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

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

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

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

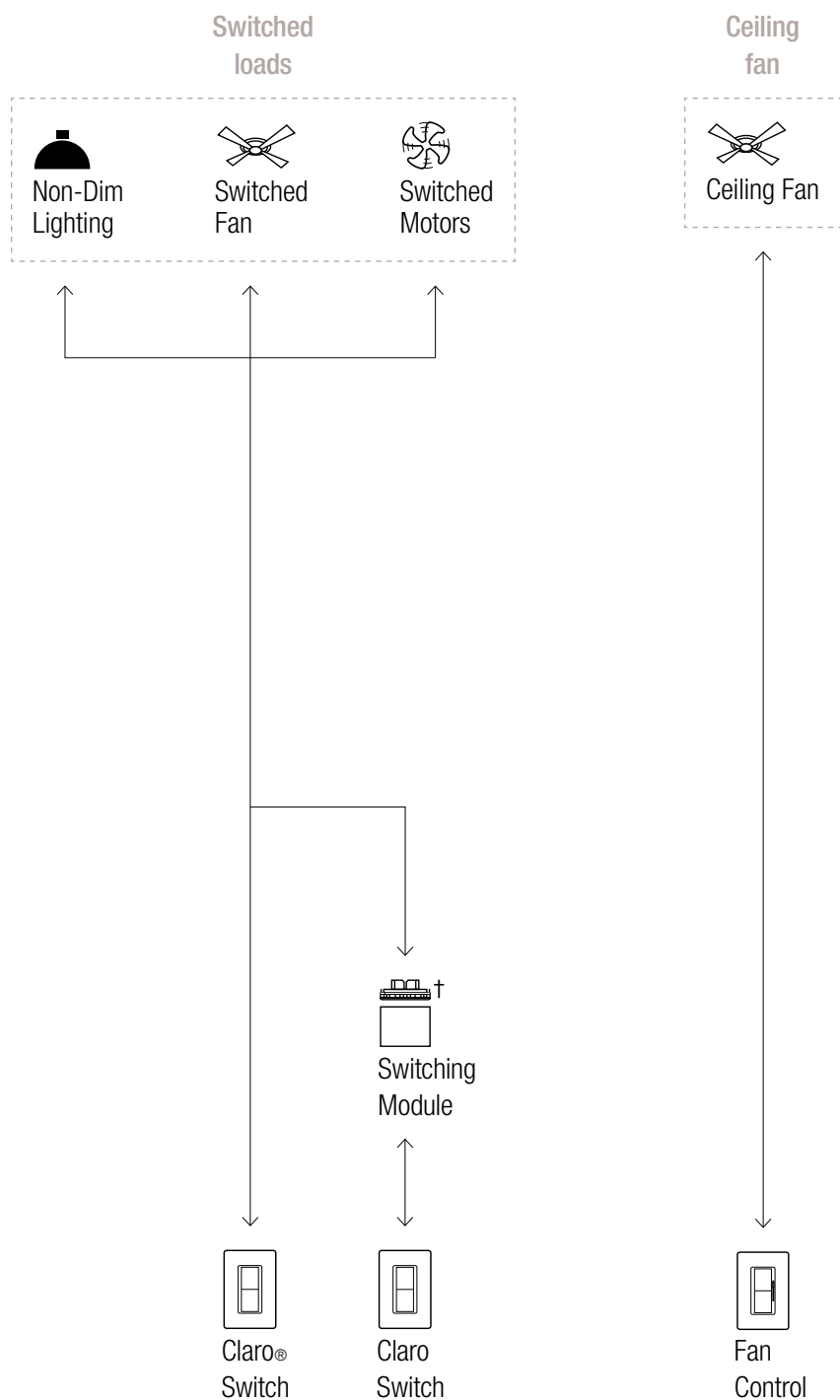
# Diva®



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

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

Diva®



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