





Shown actual size: Spacer System master control and 1-gang Claro wallplate in White (WH).






### Product family features

- True multi-location dimming from every location
- Use the IR (infrared) remote control to adjust lights from anywhere in the room up to 30ft line-of-sight
- 4-scene presets plus full on/off and raise/lower
- Tap dimmer on to favorite level; tap off; tap dimmer twice for full on
- Touch rocker to adjust light level
- Delayed off provides light as you exit the room
- Line frequency compensation maintains stable light levels, despite power line frequency and voltage variations
- IR (infrared) remote control convenience
- Install with standard wiring—replace existing switches or dimmers
- Mechanical air-gap to disconnect load power
- 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)
-  Multi-location dimming from every location (up to ten locations)

### Direct load type compatibility

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

### Load type requiring load interface

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

### Available finishes

Use **BOLD** color code in model number (Example: SPS-5WC-**IV**)

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.

## Master controls

### Wall mounted master controls



- Controls up to four dimmers of all load types
- 4-preset scenes, plus full on and all off
- Rocker for raise/lower master override
- IR receiver for remote control
- When using 120V and 277V products in the same backbox, use 600V rated cable. Follow NEC®, see application note #133 (U.S. requirements for mixing 120V and 277V products in the same Wallbox) visit [www.lutron.com/applicationnotes](http://www.lutron.com/applicationnotes)

### Wall mounted master controls with IR blasters



- Same features as above
- Controls up to four dimmers per blaster
- Requires two travel wires between master control and IR blasters



## Dimmers and switches

### Dimmers with IR receiver



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

### Plug-in lamp dimmers with integral IR receiver



- For use with table and floor lamps only
- Requires no wiring or tools
- Only available in Royal Plum (RP)

### Digital switches



- For multi-location Spacer System multi-location switch with Spacer System companion switches
- When using 120V and 277V products in the same backbox, use 600V rated cable. Follow NEC®, see application note #133 (U.S. requirements for mixing 120V and 277V products in the same Wallbox) visit [www.lutron.com/applicationnotes](http://www.lutron.com/applicationnotes)

## Companion dimmers and switches

### Companion dimmers



- For use with multi-location dimmers only, use up to nine companion dimmers with only one Spacer System multi-location dimmer
- Provides true dimming from each location (with master controls and multi-location dimmers)

### Companion switches



- For use with multi-location switches, use up to nine Spacer System companion switches with one Spacer System multi-location switch

## Companion controls

### Favorite scene IR remote controls



- Recalls preset light level for one scene, plus off and fine tuning of light levels
- 30ft line-of-sight to receiver
- Only available in Royal Plum (RP)
- Batteries included

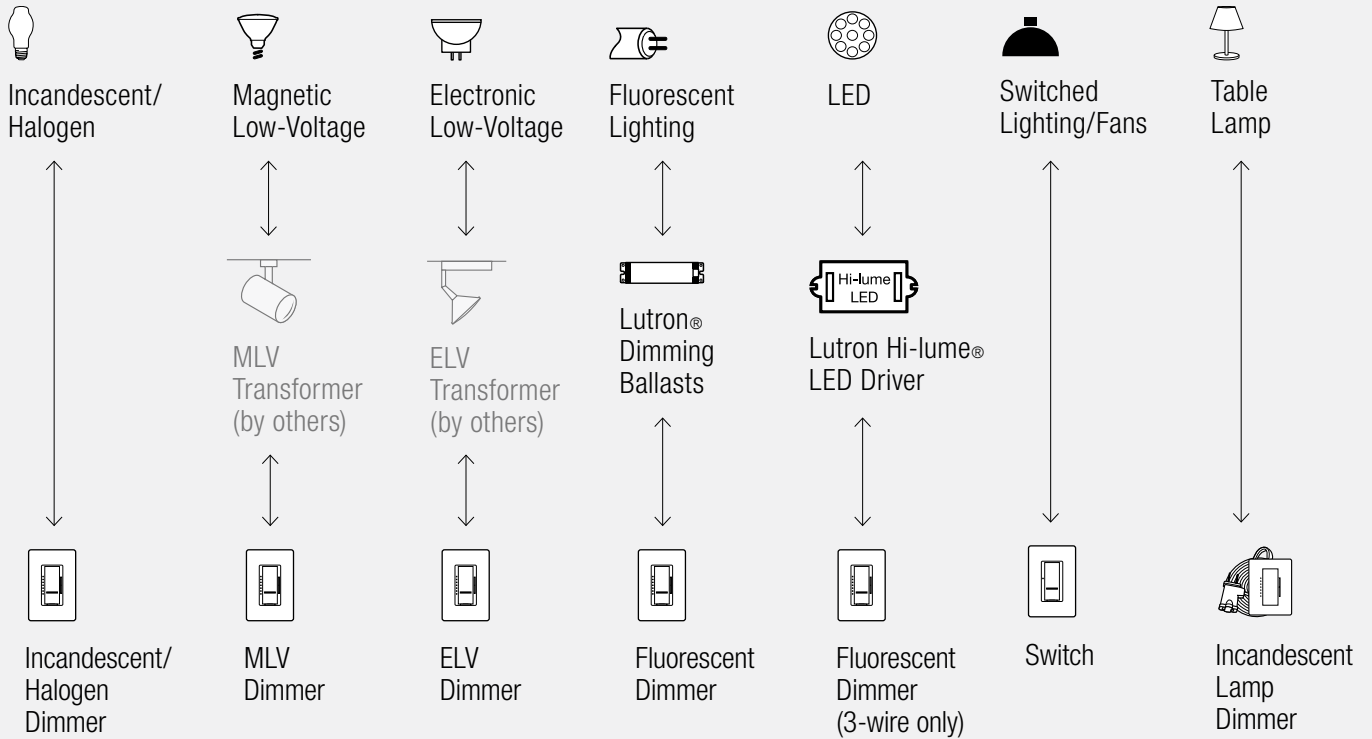
### 4-scene IR remote controls



- Recalls preset light levels for four scenes plus off and fine tuning of light levels
- 50ft line-of-sight to receiver
- Only available in Royal Plum (RP)
- Batteries included

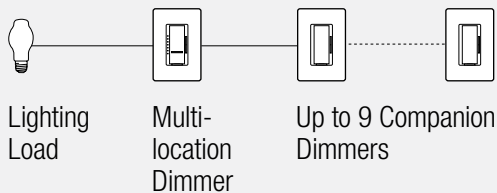
Connections overview

Load connections\*

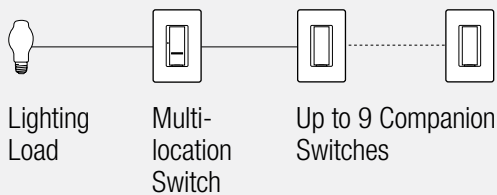


Control types (for 2 or more locations)

Dim from multiple-locations (up to 10)

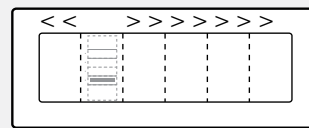


Switch from multiple-locations (up to 10)



Wall mounted master control with dimmers

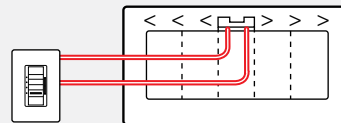
Rear View of Spacer System dimmers and SPS-5WC-ganged together.



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

Wall mounted master control with IR blasters

Rear View of 5 Spacer System dimmers ganged together.



Infrared Blaster emits signal that travels up to 2 dimmers in each direction.

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.

**Master control and dimmer model numbers**

**Master controls\***

5-scene wall mounted master control

120V	SPS-5WC- <b>CC</b> <sup>3</sup>
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Remote 5-scene wall mounted master control with two IR blasters

120V	SPS-5WCR- <b>CC</b> <sup>3</sup>
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SPS-5WC- must be ganged in the same continuous backbox with Spacer System dimmers; its IR signal travels within the backbox to four dimmers in either direction. Remote-mounted SPS-5WCR- talks to Spacer System dimmers via IR blasters clip to the dimmer backbox and emit IR signals for up to two dimmers in either direction.

 **Incandescent/halogen dimmers**

Dimmers with IR receiver\*\*

Single-location	SPS-600- <b>CC</b> <sup>3</sup>
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120V 600W

Single-location	SPS-1000- <b>CC</b> <sup>3</sup>
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120V 1000W

Multi-location	SPS-600M- <b>CC</b> <sup>3</sup>
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120V 600W

Multi-location	SPS-1000M- <b>CC</b> <sup>3</sup>
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120V 1000W

Dimmers with IR receiver and a wallplate\*\*

Single-pole	SPSW-600H- <b>CC</b> <sup>3</sup>
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120V 600W

Multi-location	SPSW-603H- <b>CC</b> <sup>3</sup>
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120V 600W

Dimmer, IR remote control, companion dimmer and wallplate\*\*

Single-pole	SPSW-600-HTH- <b>CC</b> <sup>3</sup>
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120V 600W

Multi-location	SPSW-603-HTH- <b>CC</b> <sup>3</sup>
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120V 600W

**Plug-in lamp dimmer model numbers**

 **Plug-in lamp dimmers**

Plug-in lamp dimmer with integral IR receiver

Single-pole	SPS-300LD-RP
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120V 300W

Plug-in lamp dimmer with IR remote control

Single-pole	SPS-300LD-HTH-RP
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120V 300W

Plug-in lamp dimmer with IR receiver are available in Royal Plum (RP) only.

**CC<sup>3</sup>**: Gloss color codes, see pg. 77  
(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.**

\*\* Minimum load 60W/VA.

### Dimmer model numbers

#### **Magnetic low-voltage dimmers\*\***

##### Dimmers with IR receiver

Single-location 120V 600 VA (450W)	SPSLV-600- <b>CC</b> <sup>3</sup>
Single-location 120V 1000 VA (800W)	SPSLV-1000- <b>CC</b> <sup>3</sup>
Multi-location 120 V 600 VA (450W)	SPSLV-600M- <b>CC</b> <sup>3</sup>
Multi-location 120V 1000 VA (800W)	SPSLV-1000M- <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 IR receiver

Single-location 120V 600W	SPSELV-600- <b>CC</b> <sup>3</sup>
Multi-location 120V 600W	SPSELV-600M- <b>CC</b> <sup>3</sup>

Only 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. 77  
(Wallplates not included, order separately, see pg. 160)

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

##### Dimmers with IR receivers

Single-location 120V 6A 20 ballasts	SPSF-6A- <b>CC</b> <sup>3</sup>
Multi-location 120V 6A 20 ballasts	SPSF-6AM- <b>CC</b> <sup>3</sup>
Single-location 277V 6A 20 ballasts	SPSF-6A-277- <b>CC</b> <sup>3</sup>
Multi-location 277V 6A 20 ballasts	SPSF-6AM-277- <b>CC</b> <sup>3</sup>

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

Also compatible with Hi-lume® LED driver.

Fixed low-end trim (non-adjustable).

#### **Tu-Wire® fluorescent dimmer\***

##### Dimmer with IR receiver

Single-location 120V 5A	SPSFTU-5A- <b>CC</b> <sup>3</sup>
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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.

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.

\*\*Minimum load 60W/VA.

**Dimmer model numbers**

 **Hi-lume<sup>®</sup> LED drivers:**  
**3-wire fluorescent dimmers\***

**Dimmers with IR receivers**

Single-location 120V 6A 20 drivers	SPSF-6A- <b>CC</b> <sup>3</sup>
Multi-location 120V 6A 20 drivers	SPSF-6AM- <b>CC</b> <sup>3</sup>
Single-location 277V 6A 20 drivers	SPSF-6A-277- <b>CC</b> <sup>3</sup>
Multi-location 277V 6A 20 drivers	SPSF-6AM-277- <b>CC</b> <sup>3</sup>

For use with Hi-lume LED driver only.  
Fixed low-end trim (non-adjustable).

**Switch model numbers**

 **Switches\***

**Digital switches**

Single-location 120V 6A light	SPSF-S6A- <b>CC</b> <sup>3</sup>
Single-location 277V 6A light	SPSF-S6A-277- <b>CC</b> <sup>3</sup>
Multi-location 120V 6A light	SPSF-S6AM- <b>CC</b> <sup>3</sup>
Multi-location 277V 6A light	SPSF-S6AM-277- <b>CC</b> <sup>3</sup>

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

**CC**<sup>3</sup>: Gloss color codes, see pg. 77  
(Wallplates not included, order separately, see pg. 160)

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

\*Requires neutral wire connection.



**Companion control model numbers**

**Companion controls**

**Companion dimmers**

Companion dimmer 120V	SPS-AD- <b>CC</b> <sup>3</sup>
Companion dimmer 277V	SPS-AD-277- <b>CC</b> <sup>3</sup>

Use standard single-pole and 3-way wiring for easy installation.

No derating required if ganged.

**Companion switches**

Companion switch 120V	SPS-AS- <b>CC</b> <sup>3</sup>
Companion switch 277V	SPS-AS-277- <b>CC</b> <sup>3</sup>

No derating required if ganged.

**Remote and accessory model numbers**

**Infrared remote controls\***

**Remotes**

4-scene (50 ft line-of-sight)	SPS-4IT-RP
Favorite scene (30 ft line-of-sight)	SPS-FSIT-RP

Remote controls available exclusively in Royal Plum (RP).

Remote controls are available for use with Spacer System®, GRAFIK Eye® 3100/3500/4100/4500 and GRAFIK Eye® QS.

**Accessory model numbers**

**Remote control tether and holster**

Tether and holster	RCTH-GR
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Remote control tether and holster available exclusively in Gray (GR).

**CC**<sup>3</sup>: Gloss color codes, see pg. 77  
(Wallplates not included, order separately, see pg. 160)

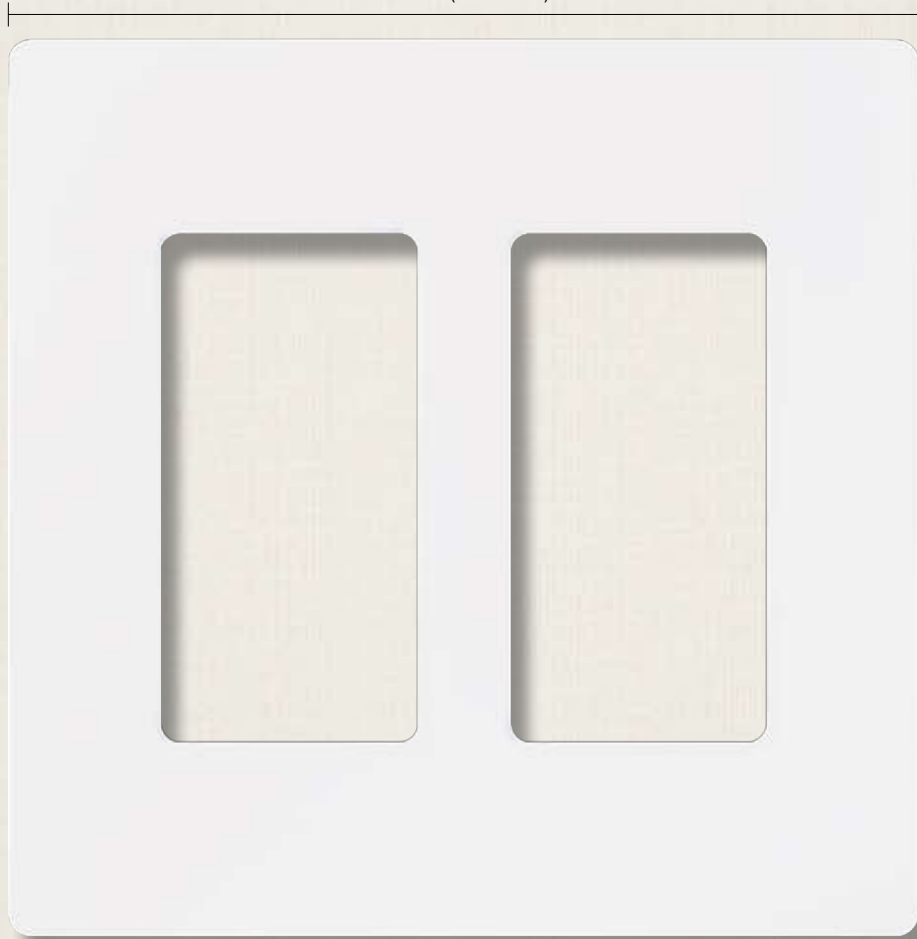
All models must be derated if ganged unless otherwise noted, see pg. 170.

\*Remote controls work with all Spacer System dimmers, switches and lamp dimmers.

Accessories

Wallplates

4.75 in (121 mm)



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

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

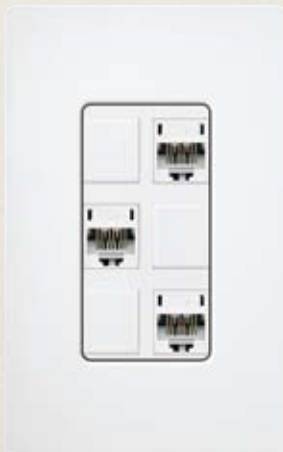
4.69 in  
(119 mm)

.30 in  
(7.6 mm)  
profile

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>

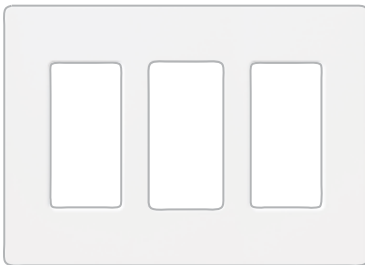
W: 4.75 in (121 mm); H: 4.69 in (119 mm);  
D: .30 in (7.6 mm)



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 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>
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**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

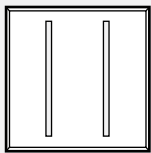
### Custom ganging for Architectural style controls

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

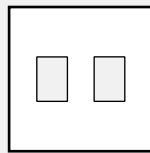
## Standard ganging for dimmers, switches and accessories

### New Architectural



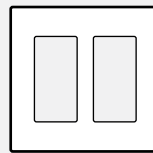
pg. 148

### Architectural



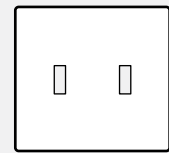
pg. 152

### Designer

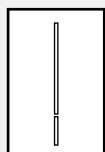


pg. 160

### Traditional



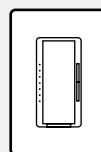
pg. 166



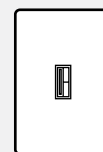
Vierti®



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

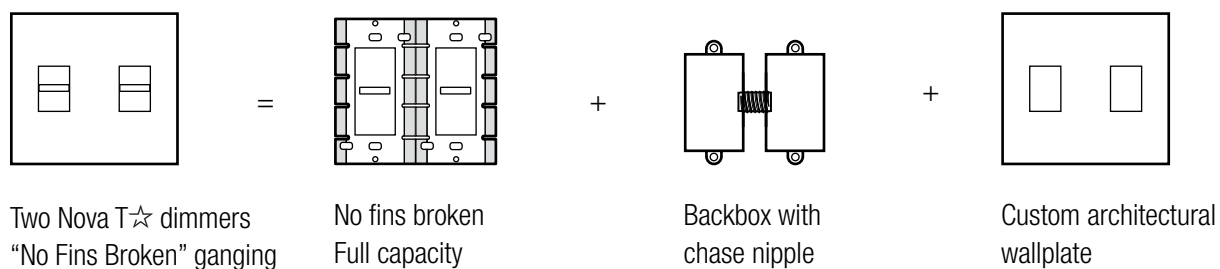
Derating Table 1  
pg. 172

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
<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® 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* 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)	
	PA 		SW 	
	Phase Adaptive Power Module* PHPM-PA-DV-WH		Switching Power Module* 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)

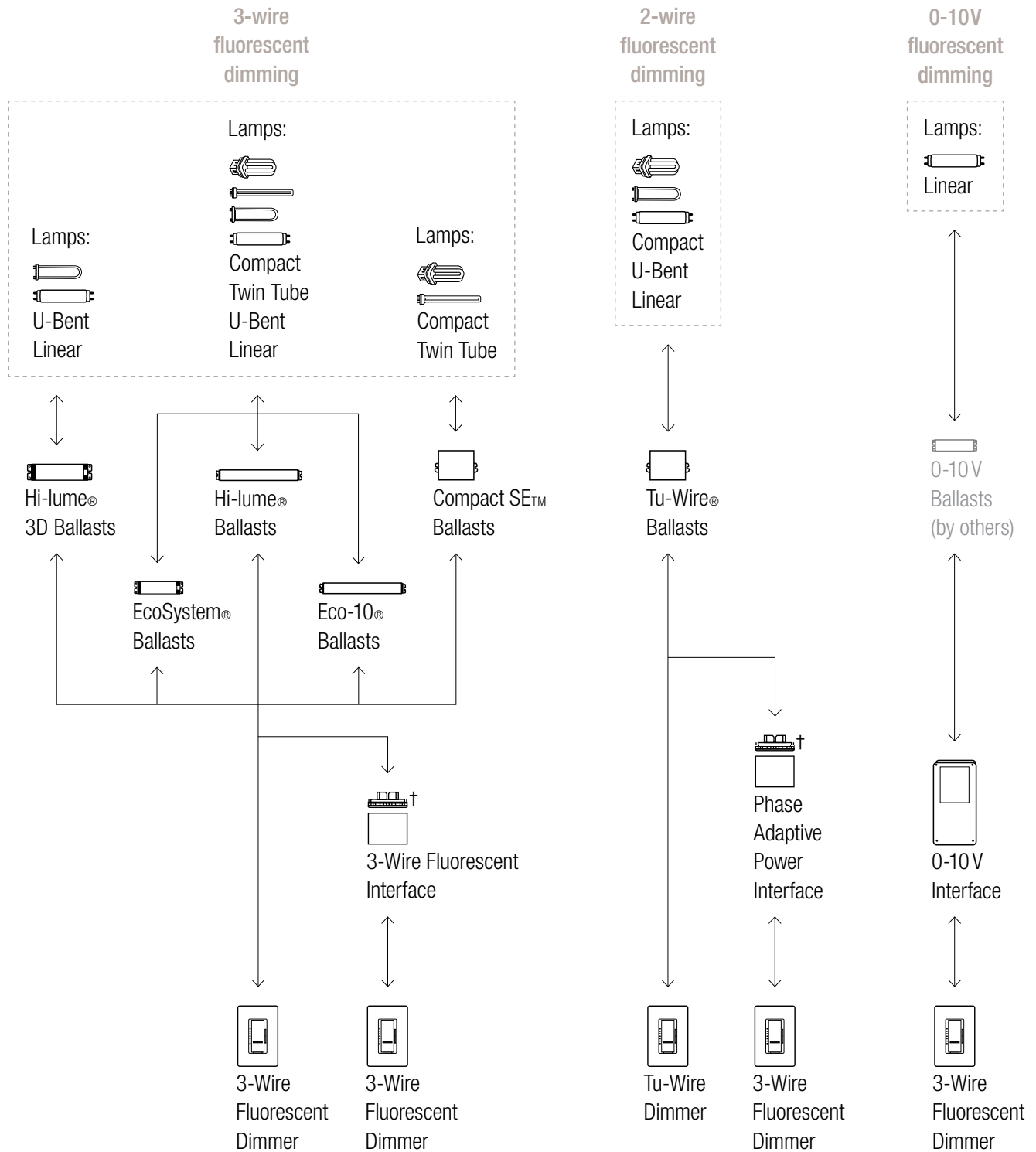
### Interface mounting

- 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.

## Spacer System®

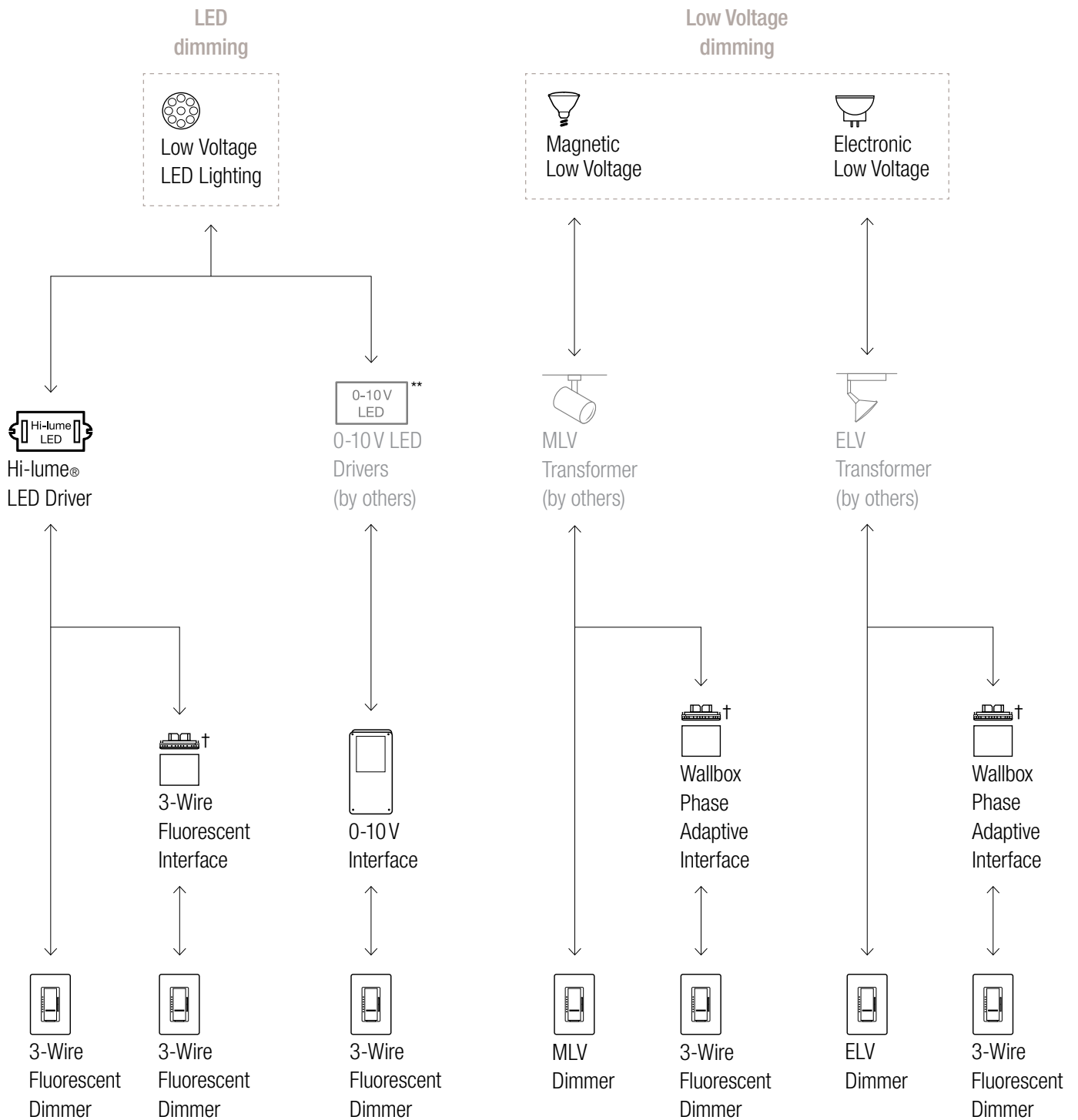


**For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

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.

# Spacer System®



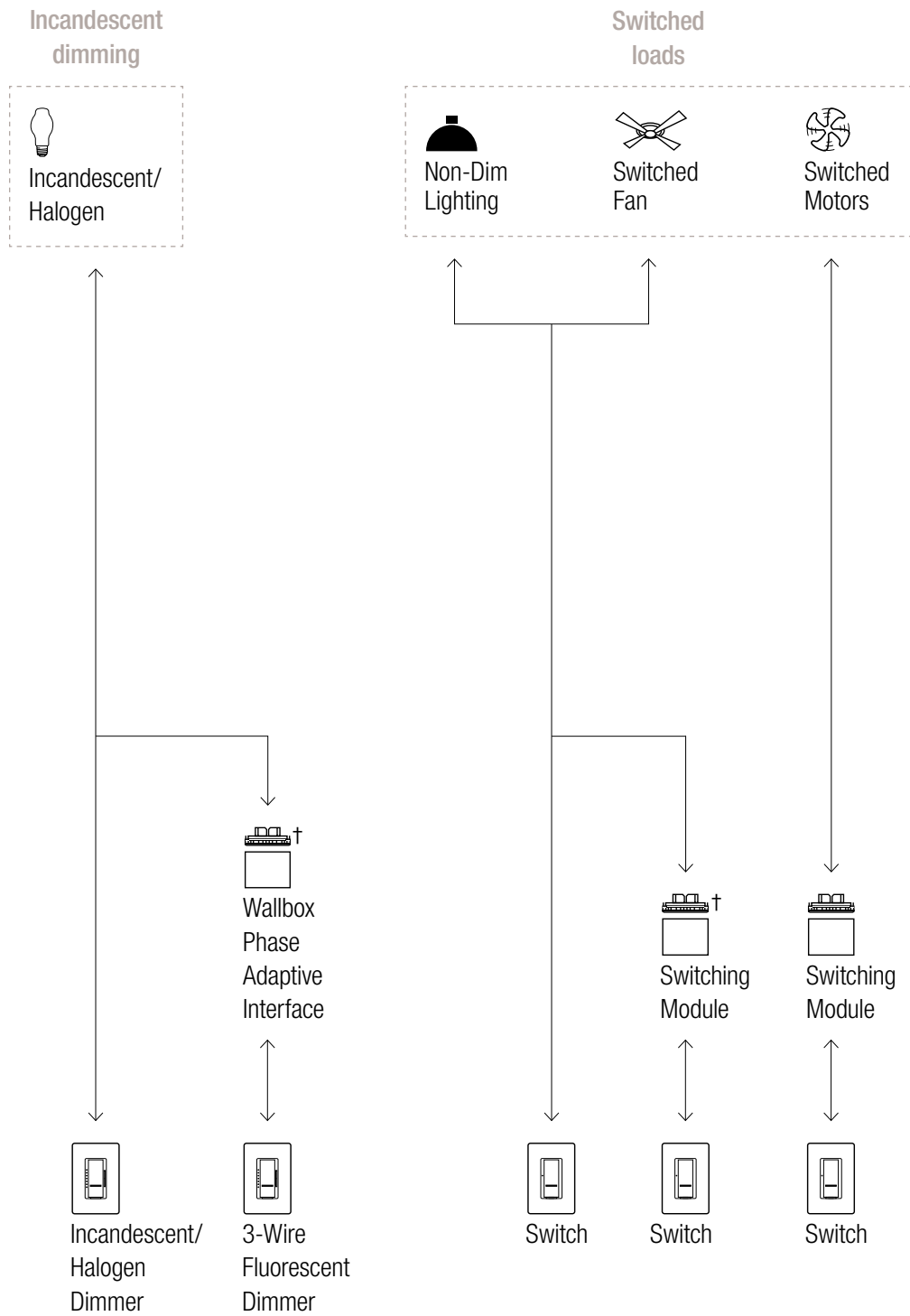
**For illustration purposes only.** Consult model number pages for specific voltage and capacity information.

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

\*\*Consult [www.lutron.com/LED](http://www.lutron.com/LED) for compatible 0-10V LED drivers.

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

# Spacer System®



**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.