





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 30 ft 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

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

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
- 30 ft line-of-sight to receiver
- Only available in Royal Plum (RP)
- Batteries included

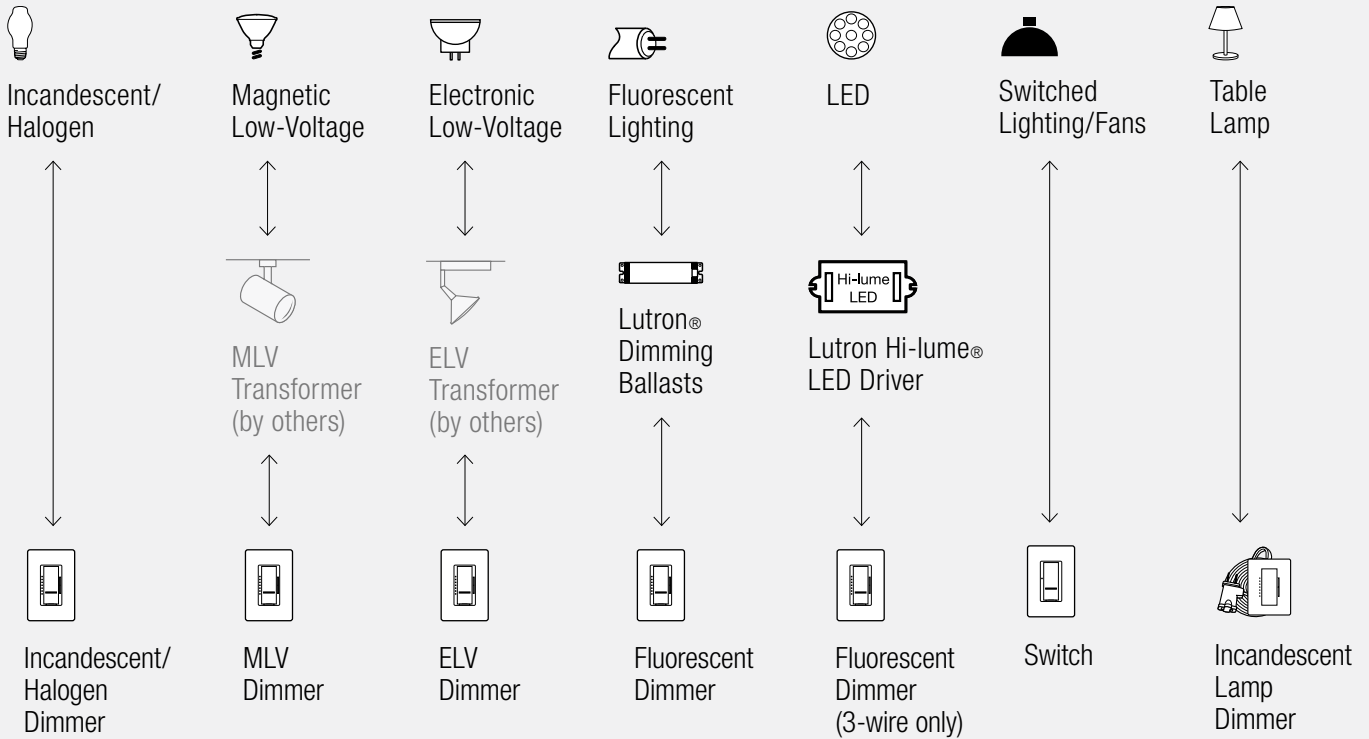
4-scene IR remote controls



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

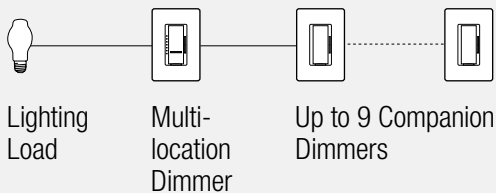
Connections overview

Load connections*

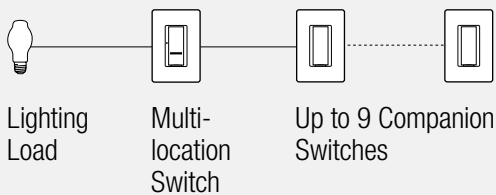


Control types (for 2 or more locations)

Dim from multiple-locations (up to 10)

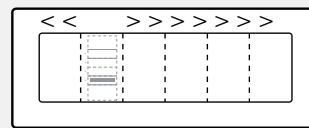


Switch from multiple-locations (up to 10)



Wall mounted master control with dimmers

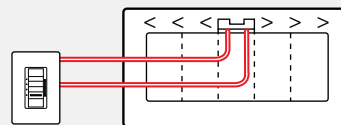
Rear View of Spacer System dimmers and SPS-5WC-ganged together.



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.

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

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

Master control and dimmer model numbers

Master controls*

5-scene wall mounted master control

120V	SPS-5WC- CC ³
------	---------------------------------

Remote 5-scene wall mounted master control with two IR blasters

120V	SPS-5WCR- CC ³
------	----------------------------------

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- CC ³
-----------------	---------------------------------

120V 600W

Single-location	SPS-1000- CC ³
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120V 1000W

Multi-location	SPS-600M- CC ³
----------------	----------------------------------

120V 600W

Multi-location	SPS-1000M- CC ³
----------------	-----------------------------------

120V 1000W

Dimmers with IR receiver and a wallplate**

Single-pole	SPSW-600H- CC ³
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120V 600W

Multi-location	SPSW-603H- CC ³
----------------	-----------------------------------

120V 600W

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

Single-pole	SPSW-600-HTH- CC ³
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120V 600W

Multi-location	SPSW-603-HTH- CC ³
----------------	--------------------------------------

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.

CC³: 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- CC ³
Single-location 120V 1000 VA (800W)	SPSLV-1000- CC ³
Multi-location 120 V 600 VA (450W)	SPSLV-600M- CC ³
Multi-location 120V 1000 VA (800W)	SPSLV-1000M- CC ³

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- CC ³
Multi-location 120V 600W	SPSELV-600M- CC ³

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

CC³: 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- CC ³
Multi-location 120V 6A 20 ballasts	SPSF-6AM- CC ³
Single-location 277V 6A 20 ballasts	SPSF-6A-277- CC ³
Multi-location 277V 6A 20 ballasts	SPSF-6AM-277- CC ³

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- CC ³
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Also compatible with Advance Mark X ballasts, for further information visit

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.
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[®] LED drivers:
3-wire fluorescent dimmers***

Dimmers with IR receivers

Single-location 120V 6A 20 drivers	SPSF-6A- CC ³
Multi-location 120V 6A 20 drivers	SPSF-6AM- CC ³
Single-location 277V 6A 20 drivers	SPSF-6A-277- CC ³
Multi-location 277V 6A 20 drivers	SPSF-6AM-277- CC ³

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- CC ³
Single-location 277V 6A light	SPSF-S6A-277- CC ³
Multi-location 120V 6A light	SPSF-S6AM- CC ³
Multi-location 277V 6A light	SPSF-S6AM-277- CC ³

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

CC³: 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.
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- CC ³
Companion dimmer 277V	SPS-AD-277- CC ³

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

No derating required if ganged.

Companion switches

Companion switch 120V	SPS-AS- CC ³
Companion switch 277V	SPS-AS-277- CC ³

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
--------------------	---------

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

CC³: Gloss color codes, see pg. 77
(Wallplates not included, order separately, see pg. 160)

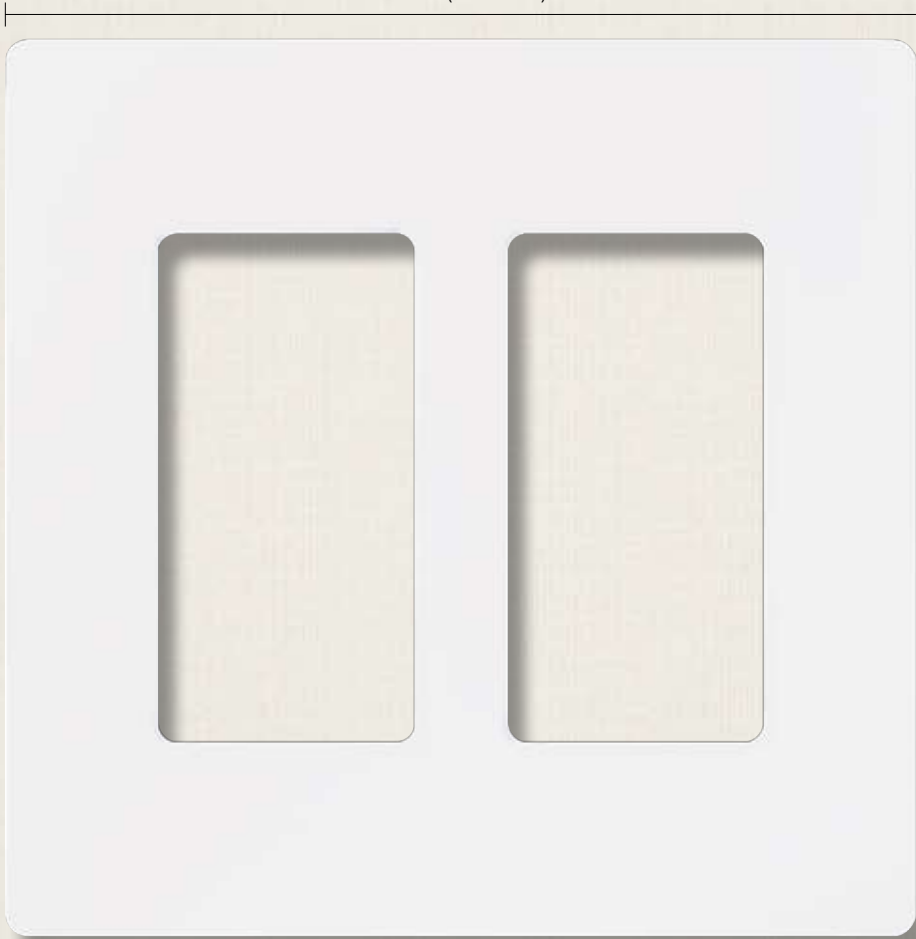
All models must be derated if ganged unless otherwise noted, see pg. 170.

*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

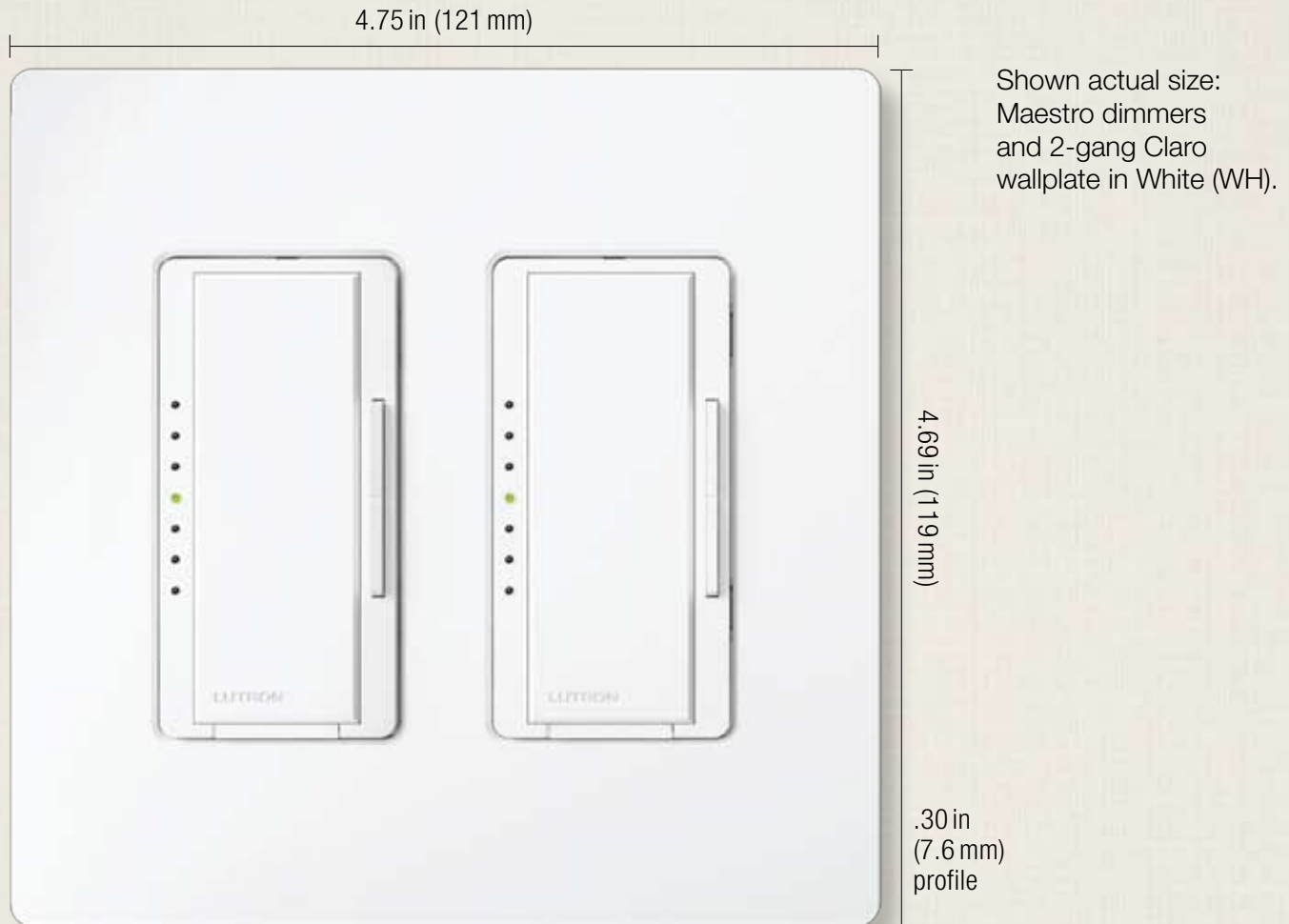


Customizable
6-port frame



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

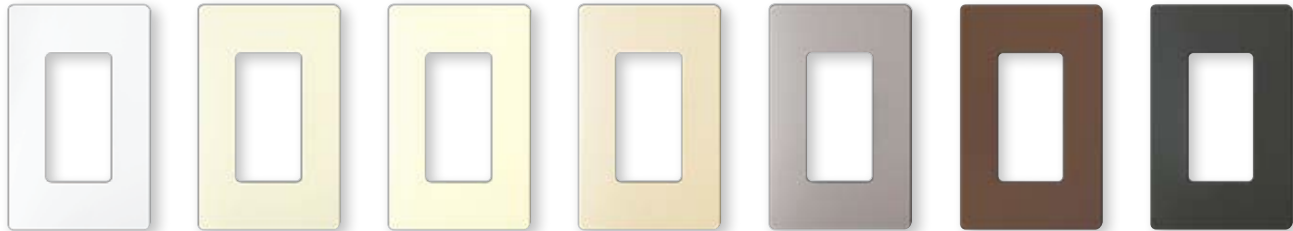
Ganging and derating

- 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

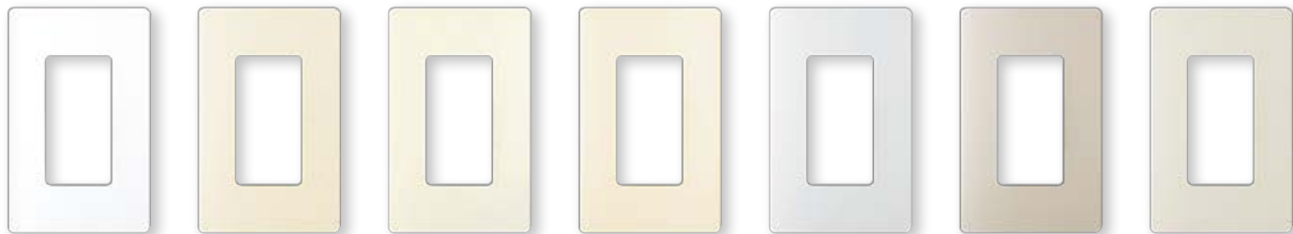
IV
Ivory

GR
Gray

BR
Brown

BL
Black

Satin finishes



SW
Snow

LS
Limestone

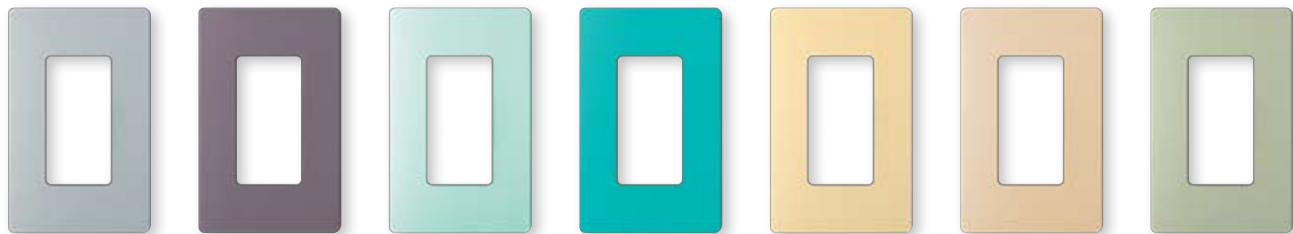
BI
Biscuit

ES
Eggshell

PD
Palladium

TP
Taupe

ST
Stone



BG
Bluestone

PL
Plum

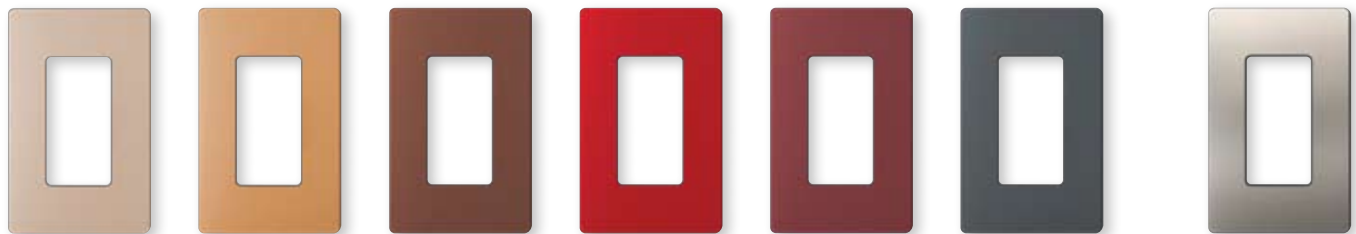
SG
Sea Glass

TQ
Turquoise

GS
Goldstone

DS
Desert Stone

GB
Greenbriar



MS
Mocha Stone

TC
Terracotta

SI
Sienna

HT
Hot

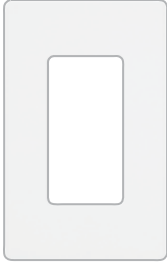
MR
Merlot

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**²
SC-1-**CC**⁴

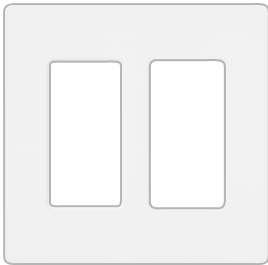
W: 2.94 in (75 mm); H: 4.69 in (119 mm)
D: .30 in (7.6 mm)



4-gang*

CW-4-**CC**²
SC-4-**CC**⁴

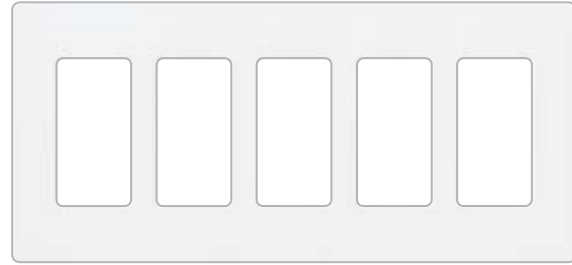
W: 8.37 in (213 mm); H: 4.69 in (119 mm);
D: .30 in (7.6 mm)



2-gang*

CW-2-**CC**²
SC-2-**CC**⁴

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



5-gang*

CW-5-**CC**²
SC-5-**CC**⁴

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



3-gang*

CW-3-**CC**²
SC-3-**CC**⁴

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.

CC²: Gloss and Stainless Steel color codes, see pg. 161

CC⁴: 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**²
SC-6-**CC**⁴

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**³
SC-CJ-**CC**⁴

Telephone jacks



- 6-conductor telephone jack, RJ11

Single telephone jack* CA-PJH-**CC**³
SC-PJ-**CC**⁴

CC²: Gloss and Stainless Steel color codes, see pg. 161

CC³: Gloss color codes, see pg. 161

CC⁴: Satin color codes, see pg. 161

Receptacles



Tamper resistant receptacles

15A, 125V*	CARS-15-TR- CC ³
	SCRS-15-TR- CC ⁴
20A, 125V*	SCRS-20-TR- CC ⁴

Receptacles

15A, 125V*	CAR-15H- CC ³
	SCR-15- CC ⁴
20A, 125V*	SCR-20- CC ⁴

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 ³
		SCR-15-GFTR- CC ⁴
20A, 125V*	GFCI	SCR-20-GFTR- CC ⁴

*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- CC ²
15 A	120/125V*	SCR-15-DFDU- CC ⁴
20 A	120/125V*	CAR-20-DFDU- CC ²
20 A	120/125V*	SCR-20-DFDU- CC ⁴

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- CC ²
15 A	120/125V*	SCR-15-HFDU- CC ⁴
20 A	120/125V*	CAR-20-HFDU- CC ²
20 A	120/125V*	SCR-20-HFDU- CC ⁴

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- CC ²
15 A	120/125V*	SCR-15-DDTR- CC ⁴
20 A	120/125V*	CAR-20-DDTR- CC ²
20 A	120/125V*	SCR-20-DDTR- CC ⁴

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- CC ²
15 A	120/125V*	SCR-15-HDTR- CC ⁴
20 A	120/125V*	CAR-20-HDTR- CC ²
20 A	120/125V*	SCR-20-HDTR- CC ⁴

CC²: Gloss color code and Stainless Steel, see pg. 161

CC⁴: 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 HFDU are supplied from different circuits or split-wired with separate switch-legs, a means to simultaneously disconnect these circuits must be provided at the panel board where they originate (NEC 210.7(C) 2002 Edition). A 2-pole circuit breaker or two single-pole circuit breakers with an approved handle tie can be used to accomplish this simultaneous disconnect. Feed-through dimming panels, which are those without breakers, are recommended when using the HFDU.
- Receptacles and plugs for dimming use are UL listed for use with all Lutron® wallbox dimmers included in this catalog.
- If there is only one electrical feed to the receptacle, then the duplex DFDU must be used.
- 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.

CC²: Gloss color code and Stainless Steel, see pg. 161

CC⁴: 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- CC ³ SC-6PF- CC ⁴
---------------	--

Connectors for 6-port frame

Telephone/network jacks

 8-conductor, RJ45 category 3	CON-1P-C3- EE ⁴
8-conductor, RJ45 category 5e	CON-1P-C5E- EE ⁴
8-conductor, RJ45 category 6	CON-1P-C6- EE ⁴


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- EE ⁴
---	--------------------------------

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- CC ³ SC-1PS- CC ⁴
3-way	15A*	CA-3PSH- CC ³ SC-3PS- CC ⁴
4-way	15A*	CA-4PSH- CC ³ SC-4PS- CC ⁴

General purpose switch with locator light (120V only)

Single-pole	15A*	CA-1PSNL- EE ² SC-1PSNL- EE ¹⁰
3-way	15A*	CA-3PSNL- EE ² SC-3PSNL- EE ¹⁰
4-way	15A*	CA-4PSNL- EE ² SC-4PSNL- EE ¹⁰

CC³: Gloss color codes, see pg. 161

CC⁴: Satin color codes, see pg. 161

EE²: Only available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)

EE⁴: Only available in White (WH) and Black (BL)

EE¹⁰: 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 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.
 *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
Incandescent			
Dimmers	600W	500W	400W
	1000W	800W	650W
Dual dimmers	300W	250W	200W
	300W	250W	200W
Magnetic low-voltage			
Dimmers	600VA/450W	500VA/400W	400VA/300W
	1000VA/800W	800VA/650W	650VA/500W
Electronic low-voltage			
Dimmers	300W	250W	200W
	500W	450W	400W
	600W	500W	400W
Fluorescent			
Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®			
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
Fan controls			
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
Fan/light controls			
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
Electronic switches			
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
Incandescent			
Dimmers	600W	500W	300W
	1000W	900W	700W
	1500W	1250W	1000W
	1950W	–	–
Magnetic low-voltage			
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
Electronic low-voltage			
Dimmers	300W	300W	250W
	600W	500W	400W
Fluorescent			
Hi-lume®/Hi-lume® Compact SE/Eco-10®/EcoSystem®			
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 ¹	30mA ballasts	no derating	no derating
Tu-Wire®	5 A	4 A	3.3 A
Fan controls			
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
Electronic tapswitches²			
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.

¹PowerPack required for line voltage switching.

²VETS-R-Auxiliary electronic tapswitches do not require derating.

Dimmer capabilities and interface requirements

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



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

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).

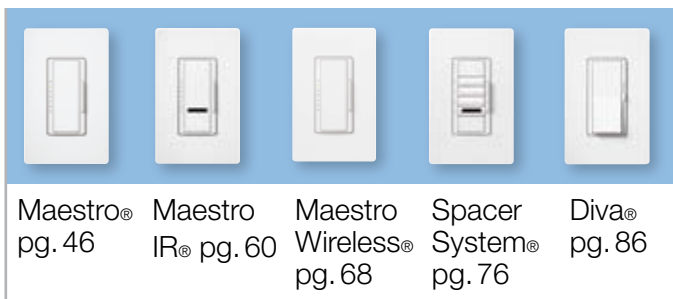
Dimmer capabilities and interface requirements











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

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

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

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

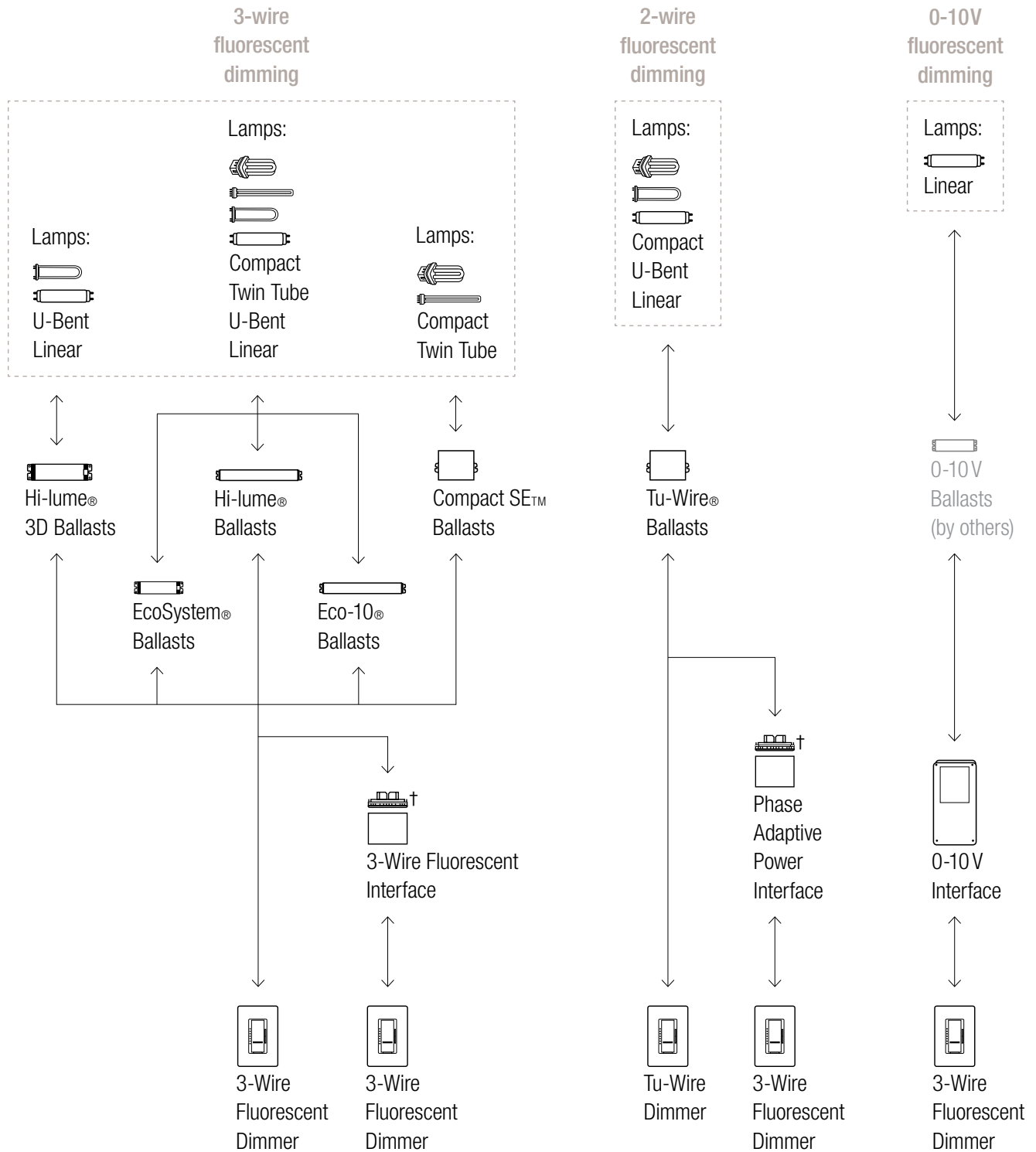
Interface mounting

- 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®

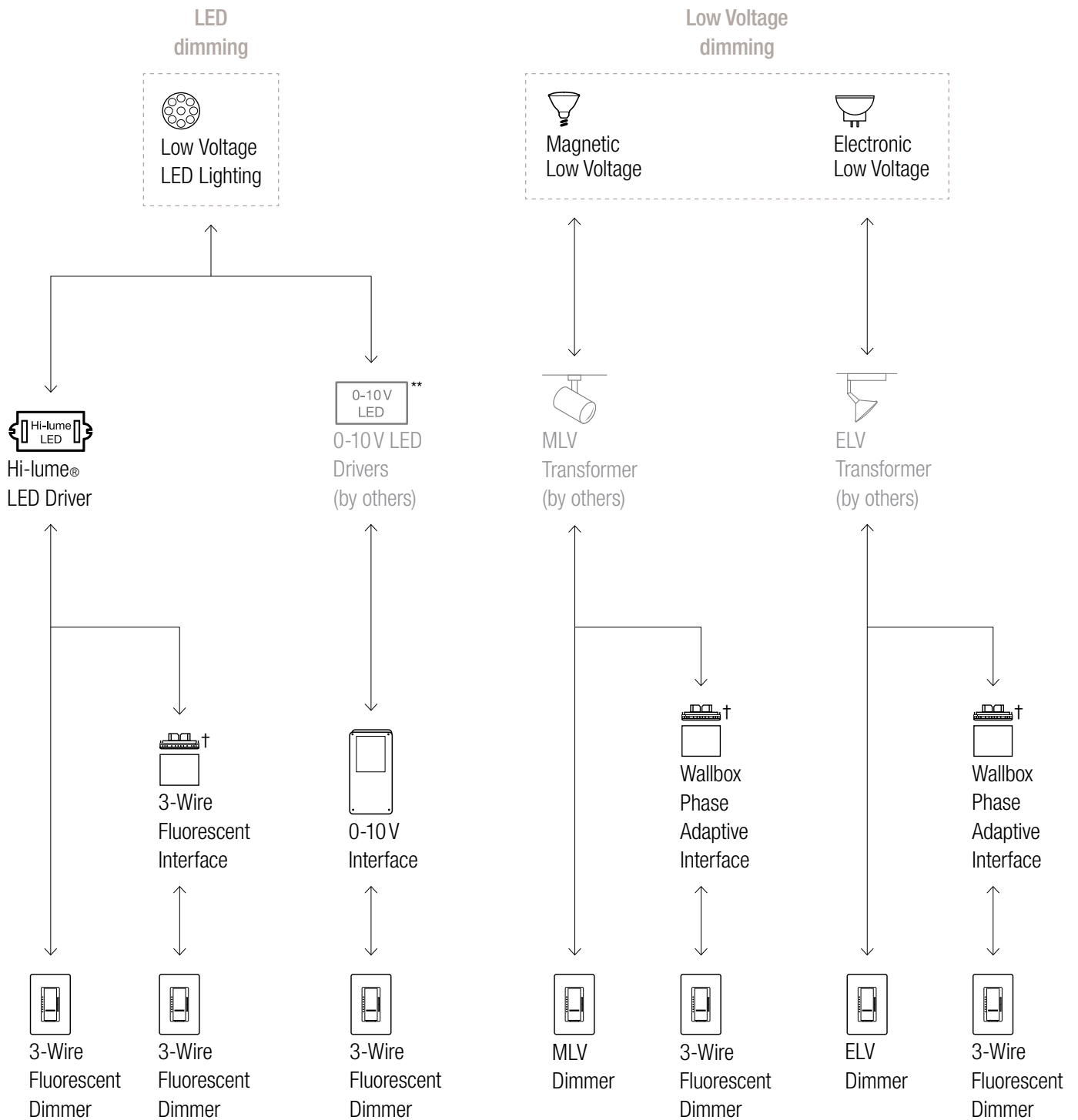


For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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

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

Spacer System®



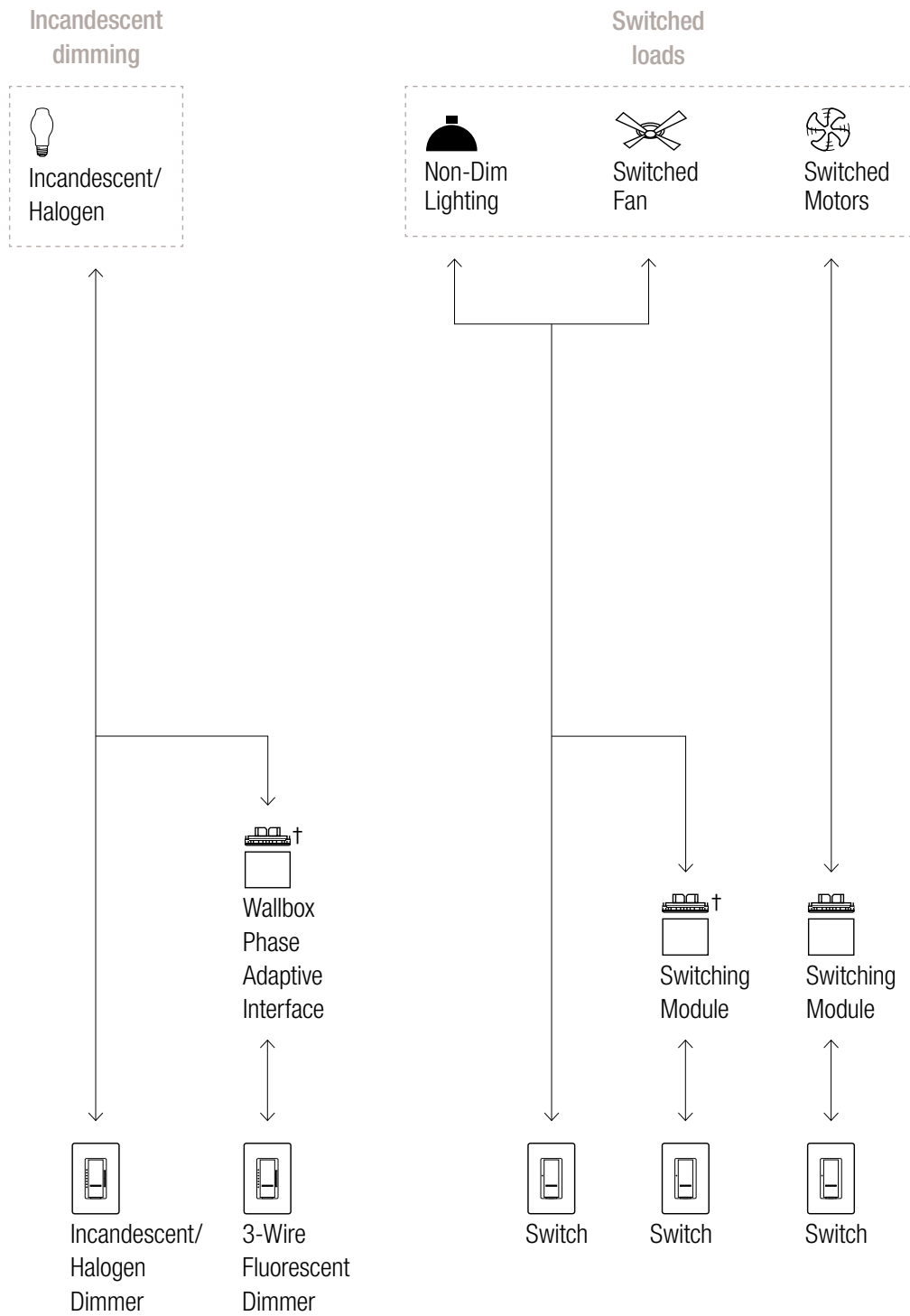
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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

**Consult 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.