



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

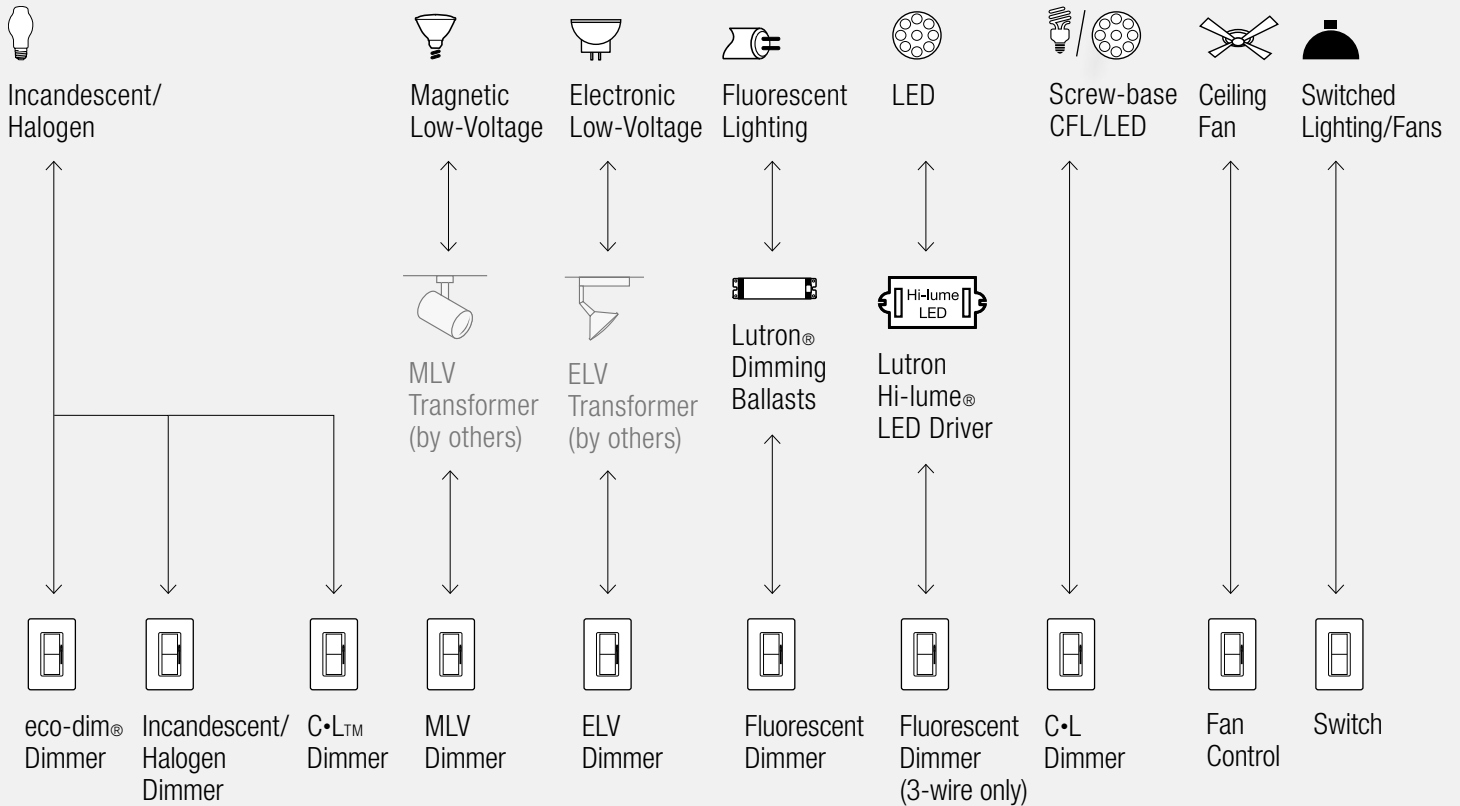
Switches



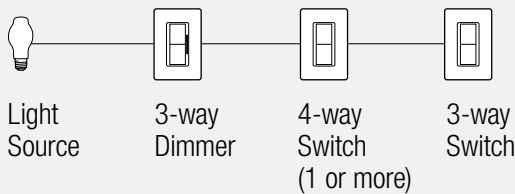
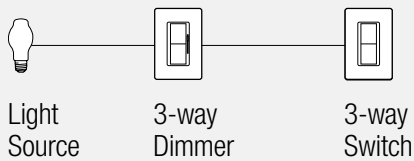
- Paddle turns on/off
- Use with any 15A load
- General purpose switching of all sources and motor loads
- Available with locator light

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

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

Dimmer model numbers

 **Incandescent/halogen dimmers**

Dimmers

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

Refer to the “how to calculate wattage when mixing lamp types” table on, 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- EE ² |
|--------------------------------|----------------------------------|

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- CC ³ |
| 3-way/single-pole 120V 150W | DVSCCL-153P- CC ⁴ |

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

Visit 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- CC ³ DVSCLV-600P- CC ⁴ |
| Single-pole 120V 1000 VA (800W) | DVLV-10P- CC ³ DVSCLV-10P- CC ⁴ |
| 3-way 120V 600 VA (450W) | DVLV-603P- CC ³ DVSCLV-603P- CC ⁴ |
| 3-way 120V 1000 VA (800W) | DVLV-103P- CC ³ DVSCLV-103P- CC ⁴ |

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.

CC³: Gloss color codes, see pg. 87
CC⁴: Satin color codes, see pg. 87
EE²: 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- CC ³ DVSEELV-300P- CC ⁴ |
| 3-way 120V 300W | DVELV-303P- CC ³ DVSEELV-303P- CC ⁴ |

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

3-wire fluorescent dimmers*

Dimmers

| | |
|------------------------------|--|
| 3-way/single-pole 120V 8A | DVF-103P- CC ³ DVSCF-103P- CC ⁴ |
| 3-way/single-pole 277V 6A | DVF-103P-277- CC ³ DVSCF-103P-277- CC ⁴ |

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- CC ³ |
| Single-pole 30mA max control current | DVSCTV- CC ⁴ |

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.

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- CC ³ DVSCFTU-5A3P- CC ⁴ |
|------------------------------|--|

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.

CC³: Gloss color codes, see pg. 87

CC⁴: 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.

***Requires neutral wire connection.**


Dimmer model numbers

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

Dimmers

| | |
|------------------------------|--|
| 3-way/single-pole 120V 8A | DVF-103P- CC ³ DVSCF-103P- CC ⁴ |
| 3-way/single-pole 277V 6A | DVF-103P-277- CC ³ DVSCF-103P-277- CC ⁴ |

Exclusively compatible with Hi-Lume LED driver
For more information on Hi-lume LED drivers, visit 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- CC ³ |
| Single-pole 30mA max control current | DVSCTV- CC ⁴ |

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.
No derating required if ganged.
Adjustable high-end and low-end trim.

CC³: Gloss color codes, see pg. 87
CC⁴: Satin color codes, see pg. 87
EE²: Only available in Almond (AL), Ivory (IV), Light Almond (LA) and White (WH)
EE¹⁰: 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- CC ³ DVSCFSQ-F- CC ⁴ |
| 3-way/single-pole 120V 2.0A | DVFSQ-F-HO- CC ³ |

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- CC ³ SC-1PS- CC ⁴ |
| 3-way 120/277V 15A | CA-3PSH- CC ³ SC-3PS- CC ⁴ |
| 4-way 120/277V 15A | CA-4PSH- CC ³ SC-4PS- CC ⁴ |

General purpose switches with locator light

| | |
|-------------------------|---|
| Single-pole 120V 15A | CA-1PSNL- EE ² SC-1PSNL- EE ¹⁰ |
| 3-way 120V 15A | CA-3PSNL- EE ² SC-3PSNL- EE ¹⁰ |
| 4-way 120V 15A | CA-4PSNL- EE ² SC-4PSNL- EE ¹⁰ |

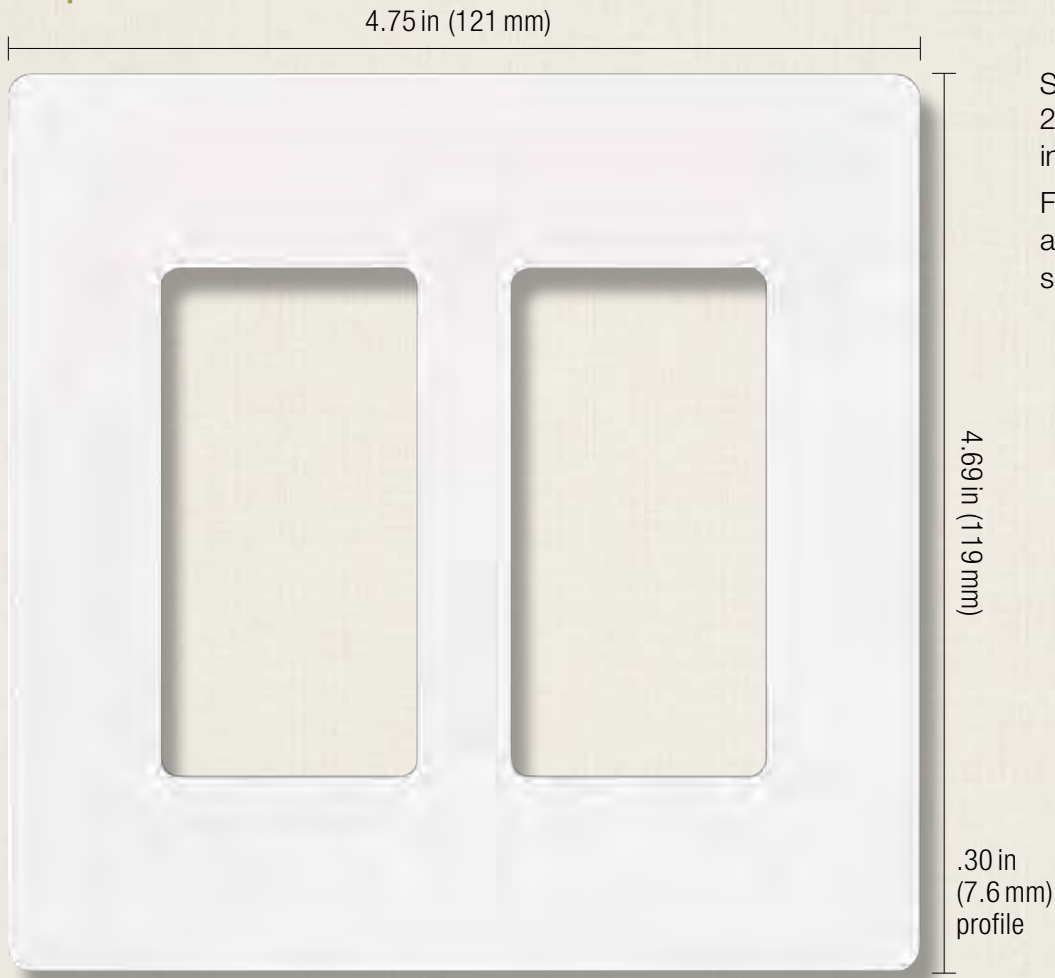
No derating required if ganged.

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

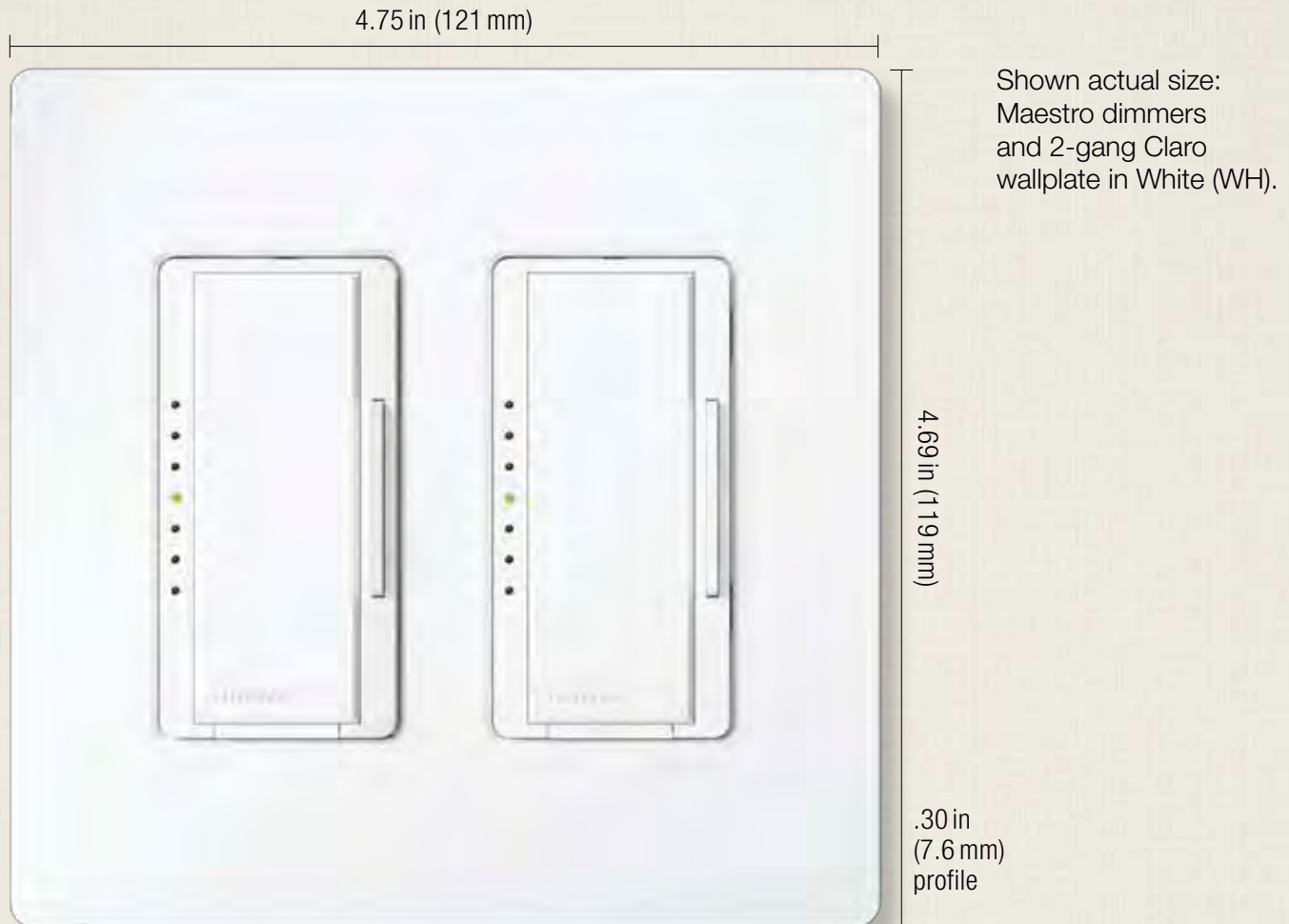


Customizable
6-port frame



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

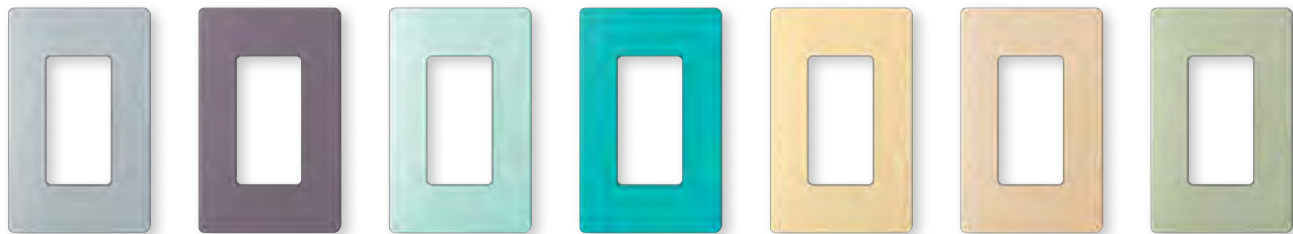
BI
Biscuit

ES
Eggshell

PD
Palladium

TP
Taupe

ST
Stone



BG
Bluestone

PL
Plum

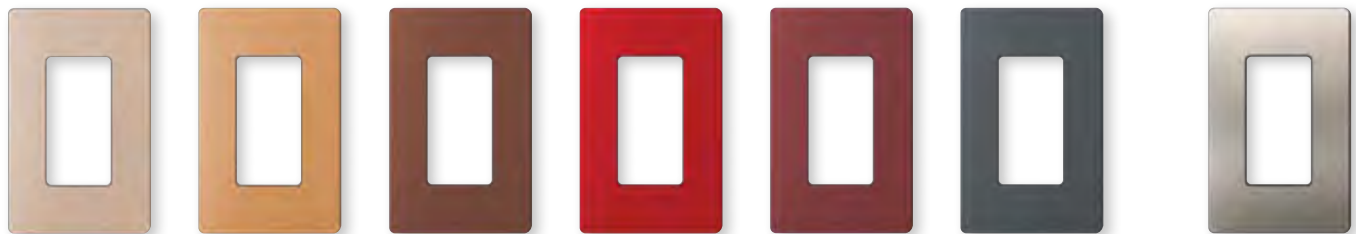
SG
Sea Glass

TQ
Turquoise

GS
Goldstone

DS
Desert Stone

GB
Greenbriar



MS
Mocha Stone

TC
Terracotta

SI
Sienna

HT
Hot

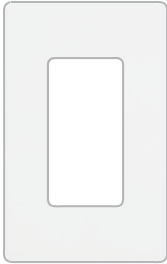
MR
Merlot

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**²
SC-1-**CC**⁴

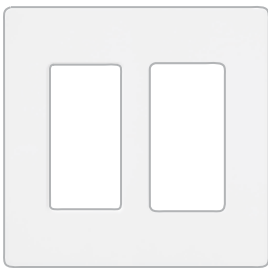
W: 2.94 in (75 mm); H: 4.69 in (119 mm)
D: .30 in (7.6 mm)



4-gang*

CW-4-**CC**²
SC-4-**CC**⁴

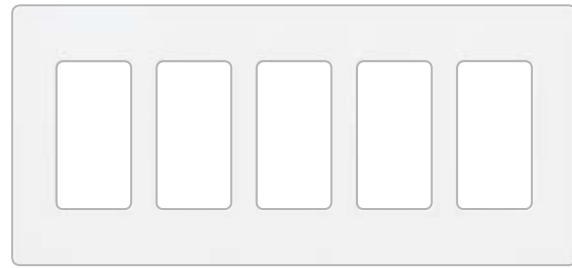
W: 8.37 in (213 mm); H: 4.69 in (119 mm);
D: .30 in (7.6 mm)



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)

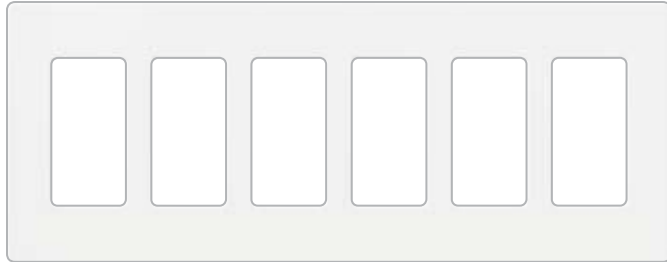
Multiple devices with line and low-voltage can be mounted behind a common wallplate using a standard barrier backbox, see Application Note #213 (Combining Low-Voltage and Line Voltage Wiring Devices in a Multi-Gang Box) at www.lutron.com/applicationnotes.

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 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.

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 |
|--|--|--|---|
| 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 |

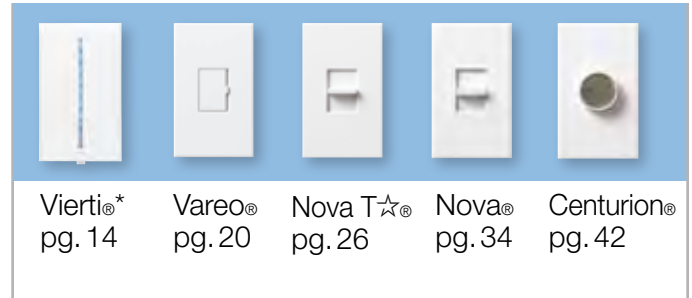
For further information on ganging Nova®, visit www.lutron.com/customganging.

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, | 8A | | | | |
| | Eco-10® and EcoSystem® ballasts | 16A | | | 3F | |
| 3-wire ballasts and Hi-lume LED driver 277V | 6A | | | 3F | | |
| | Hi-lume, Hi-lume Compact SE, | 8A | | | 3F | |
| | Eco-10 and EcoSystem ballasts | 16A | | | 3F | 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 | 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.

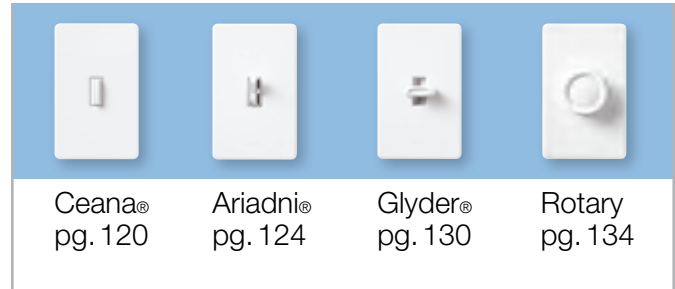
TVI: 0-10V Interface (GRX-TVI)









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) | |
|------------------------|--------------------------------------|-------------------------|---|--|
| | 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)

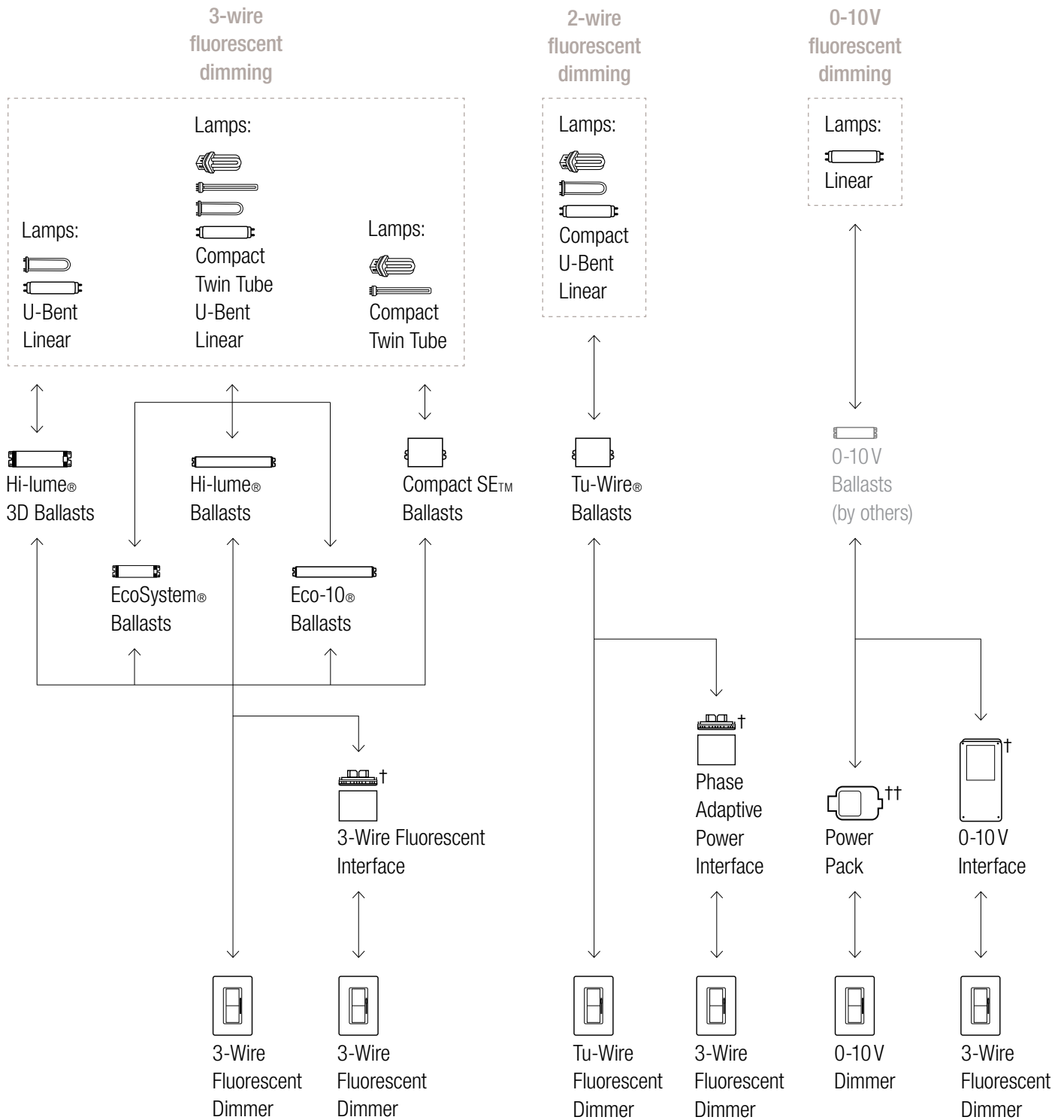
Interface mounting

- 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®



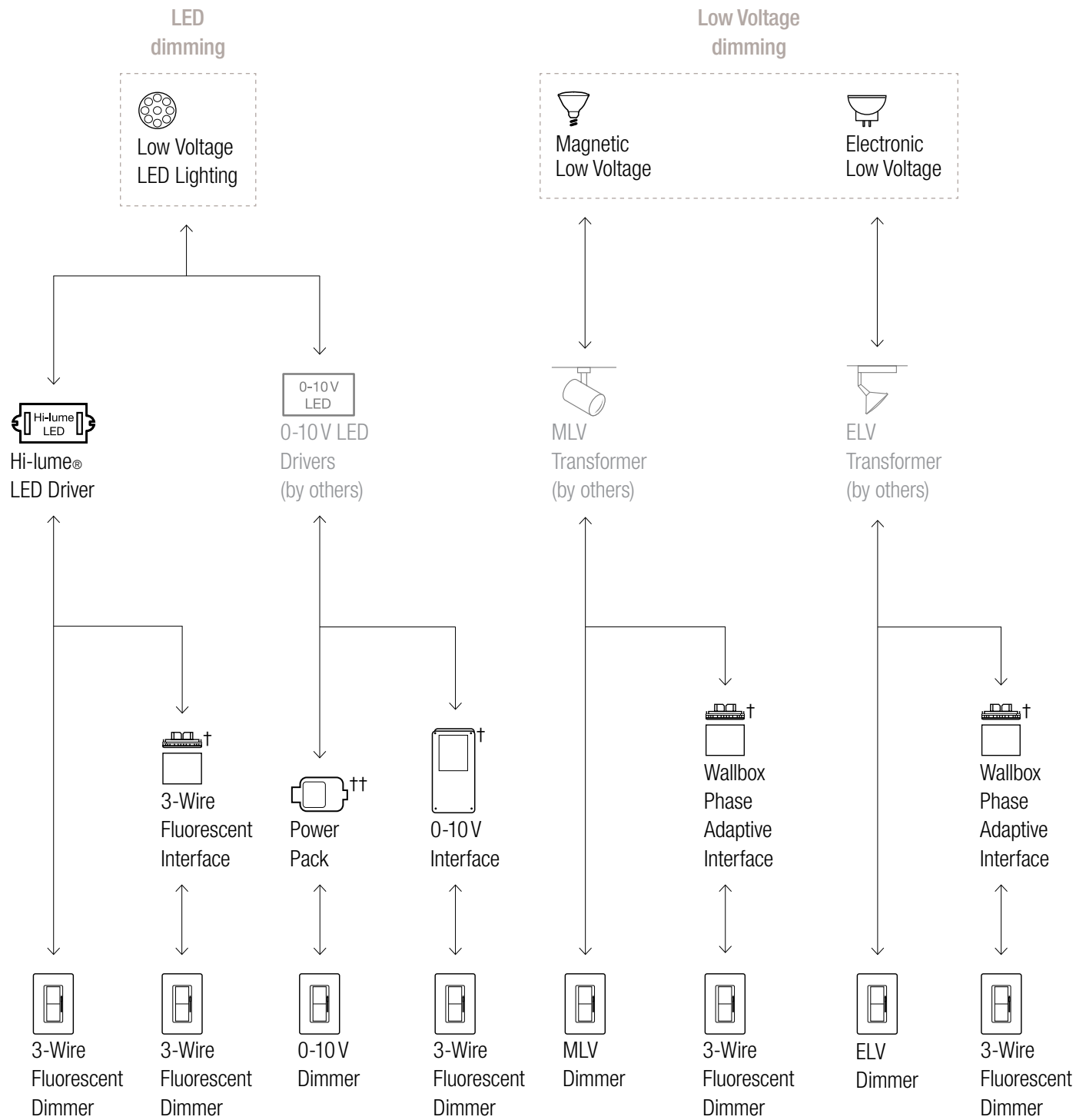
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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

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

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

Diva®



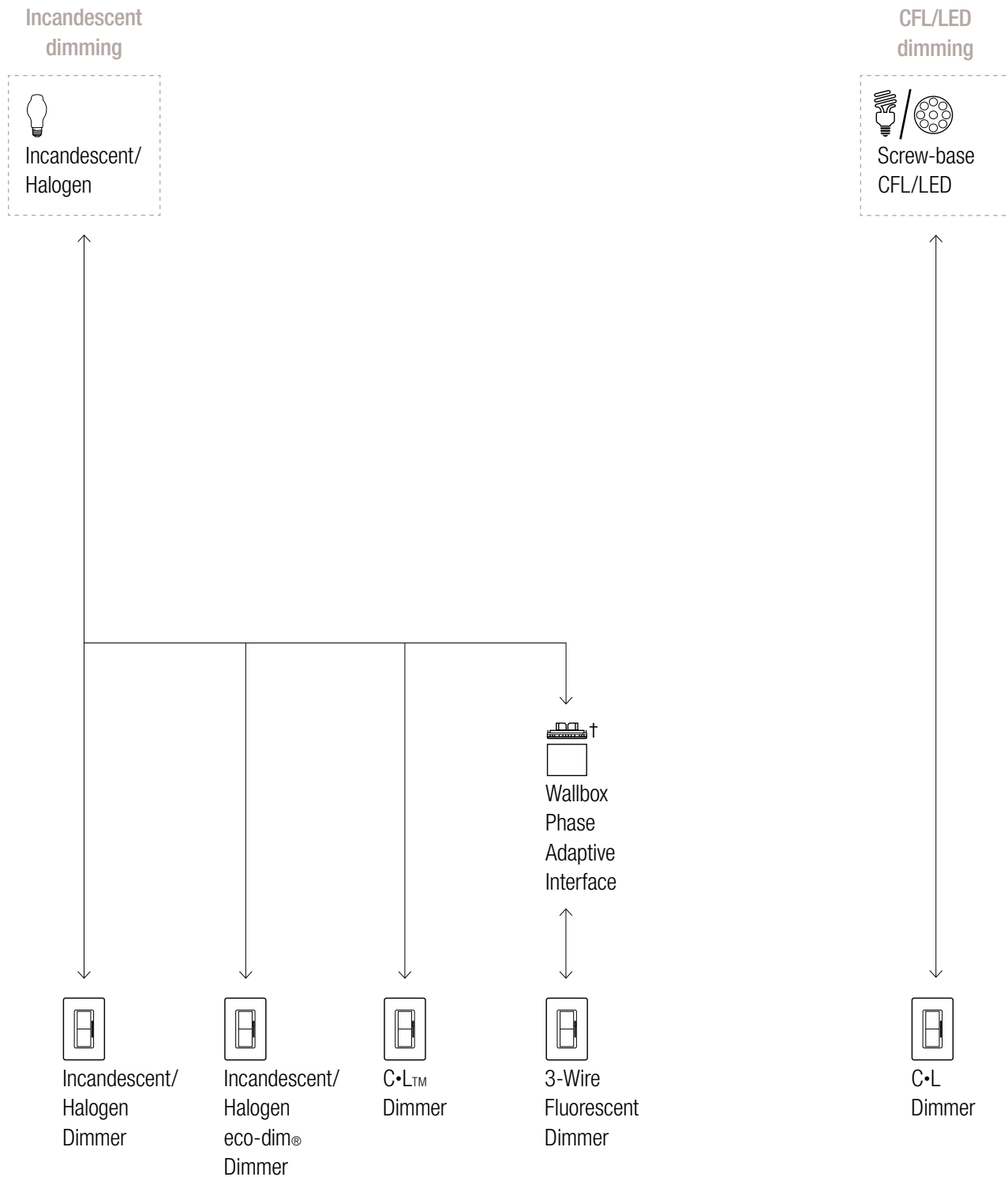
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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

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

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

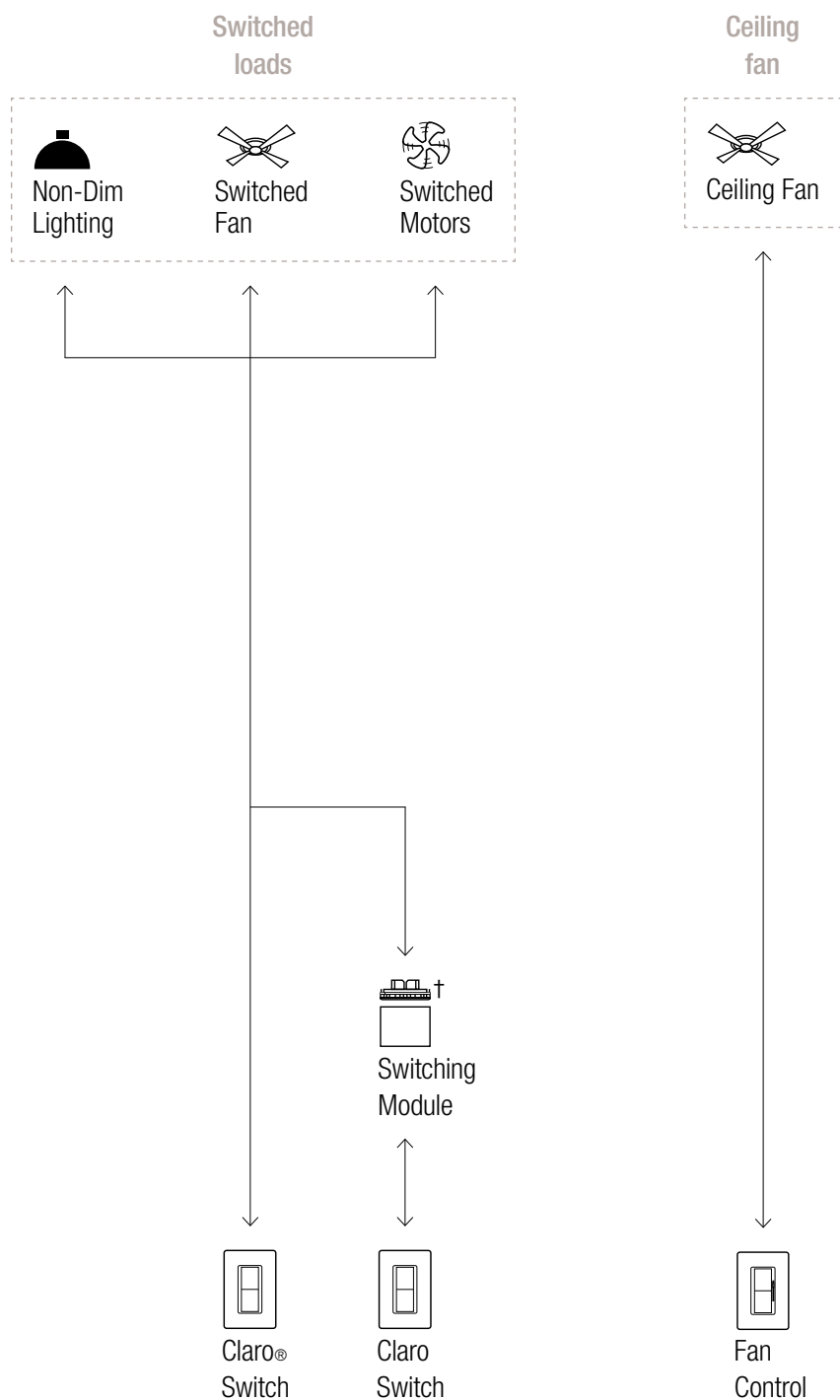
Diva®



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.