





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








Product family features

- True multi-location dimming from every location
- Tap on to favorite level; tap off; tap twice for full on
- Touch rocker to adjust light level
- LEDs indicate light level and glow softly in the dark as a locator light
- Delayed off provides light as you exit the room
- Line frequency compensation maintains stable light levels, despite power line frequency and voltage variations
- Programming allows customized functions
- **eco-dim®**, **eco-minder™** and **eco-timer** models available
- Mechanical air-gap to disconnect load power
- 100% factory tested
- 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)
-  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
-  Ceiling fans
-  Ceiling fan/lights

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: MA-600-**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 and switches

Digital fade dimmers



- Tap on to favorite level; tap off
- Tap twice for full on
- Press, hold and release for delayed fade-to-off
- Touch rocker to adjust light level
- Provides true dimming from each location (with companion dimmers)
- **eco-dim®** model guarantees at least 15% energy savings compared to a standard switch
- **eco-minder™** green LED demonstrates 15% or more energy savings compared to a standard switch
- Dimmer advanced programming features available



eco-minder™

Digital switches



- For multi-location switching, use one Maestro multi-location switch with Maestro companion switches
- Tap switch on/off

Timers

Countdown timer switches (5–60 minutes/full on)



- Use with exhaust fans to reduce moisture, mold and mildew in bathrooms and kitchens
- Use with lighting
- Tap on to start timer; tap off
- Tap twice for untimed on
- Touch rocker to adjust countdown time
- One minute warning before lights/fan go off
- Top LED is full on with no timer action
- Timer advanced programming features available
- Multi-location control with companion switch

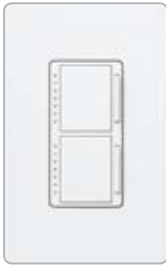
Countdown eco-timer switch (30 minutes)



- Use with exhaust fans to reduce moisture, mold and mildew in bathrooms and kitchens
- Use with lighting
- Tap on to start timer; tap off
- Touch rocker to adjust countdown time
- One minute warning before lights/fan go off
- **Timer always turns off**
- Single-location only
- Timer advanced programming features available

Dual devices

Dual dimmers (two loads)



Dimmers (top/bottom)

- Replacement for stacked switches
- Tap on to favorite light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level
- Single-location only
- Dimmer advanced programming features available

Dual dimmer/countdown timer switch (two loads)



Dimmer (top)

- Tap on to favorite light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level
- Dimmer advanced programming features available

Timer switch (bottom)

- Tap on to start timer; tap off
- Tap twice for untimed on
- Touch rocker to adjust countdown time from 5–60 minutes
- One minute warning before lights go off
- Top LED is full on with no timer action
- Single-location only
- Timer advanced programming features available

Dual dimmer/switch (two loads)



Dimmer (top)

- Replacement for stacked switches
- Tap on to favorite light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level
- Dimmer advanced programming features available

Switch (bottom)

- Tap switch on/off
- Single-location only

Advanced programming features include:

Dimmer advanced programming features

- Adjusting fade on/ fade off time
- Locked preset lighting level

Timer advanced programming features

- Bypass timer option
- Locked preset lighting level

Sensor advanced programming features

- Adjust timeout duration
- Off warning feature (dimmer with occupancy and/or vacancy sensor only)
- Sensor sensitivity
- Auto-on feature (occupancy models only)

Maestro advanced programming manual (Application Note #124) is available at www.lutron.com/applicationnotes.

Dimmers and switches with sensors*

Dimmers with occupancy/vacancy sensor



Dimmer (top)

- Tap on to favorite light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level
- Works with up to nine companion dimmers (MA-R-)
- Dimmer advanced programming features available, see pg. 49

Sensor (bottom)

- Turns lights off to save energy when no one is in the room
- Vacancy models meet California Title 24 Section 119(j) requirements. Lights are turned on manually and off by the sensor.
- 180° field of view motion sensor
- Sensor advanced programming features available, see pg. 49

Switches with occupancy/vacancy sensor



Switch (top)

- Tap switch on/off
- Works with up to nine companion switches (MA-AS-)

Sensor (bottom)

- Turns lights off to save energy when no one is in the room
- Vacancy models meet California Title 24 Section 119(j) requirements. Lights are turned on manually and off by the sensor.
- 180° field of view motion sensor
- Sensor advanced programming features available, see pg. 49

Companion dimmers and switches

Companion dimmers



- For true multi-location dimming from every location, use up to nine companion dimmers with only one Maestro® multi-location dimmer
- Use standard single-pole and 3-way wiring

Companion switches



- For use with multi-location switches, use up to nine Maestro companion switches with one Maestro multi-location switch
- Can be used with multi-location countdown timer switch
- Use standard single-pole and 3-way wiring

*For more information on Maestro dimmers and switches with occupancy/vacancy sensor, see pg. 140.

Fan and fan/light controls

Digital fan controls



- Multi-location, fan only
- Controls up to four fans
- One canopy module included, order one canopy module (CM-FQ1) for each additional fan controlled, see pg. 57
- 7-quiet fan speeds, plus off
- Designed to prevent motor hum

Fan/light controls



Dimmer (top)

- Tap on to favorite light level; tap off
- Tap twice for full on
- Touch rocker to adjust light level

Fan control (bottom)

- Tap on to favorite fan speed; tap off
- Touch rocker to adjust fan speed
- 7-quiet fan speeds, plus off, provide enhanced comfort
- Designed to prevent motor hum

Canopy modules (fan mounted)



- For use only in multi-fan applications with MA-FQ4FM, see pg. 57
- Order one canopy module for each additional fan controlled
- Use up to three additional fan-mounted canopy modules for up to four fans total (controlled as one group)

Companion fan and fan/light controls

Companion fan controls



- For use with multi-location control, use up to two companion fan controls with one Maestro digital fan control

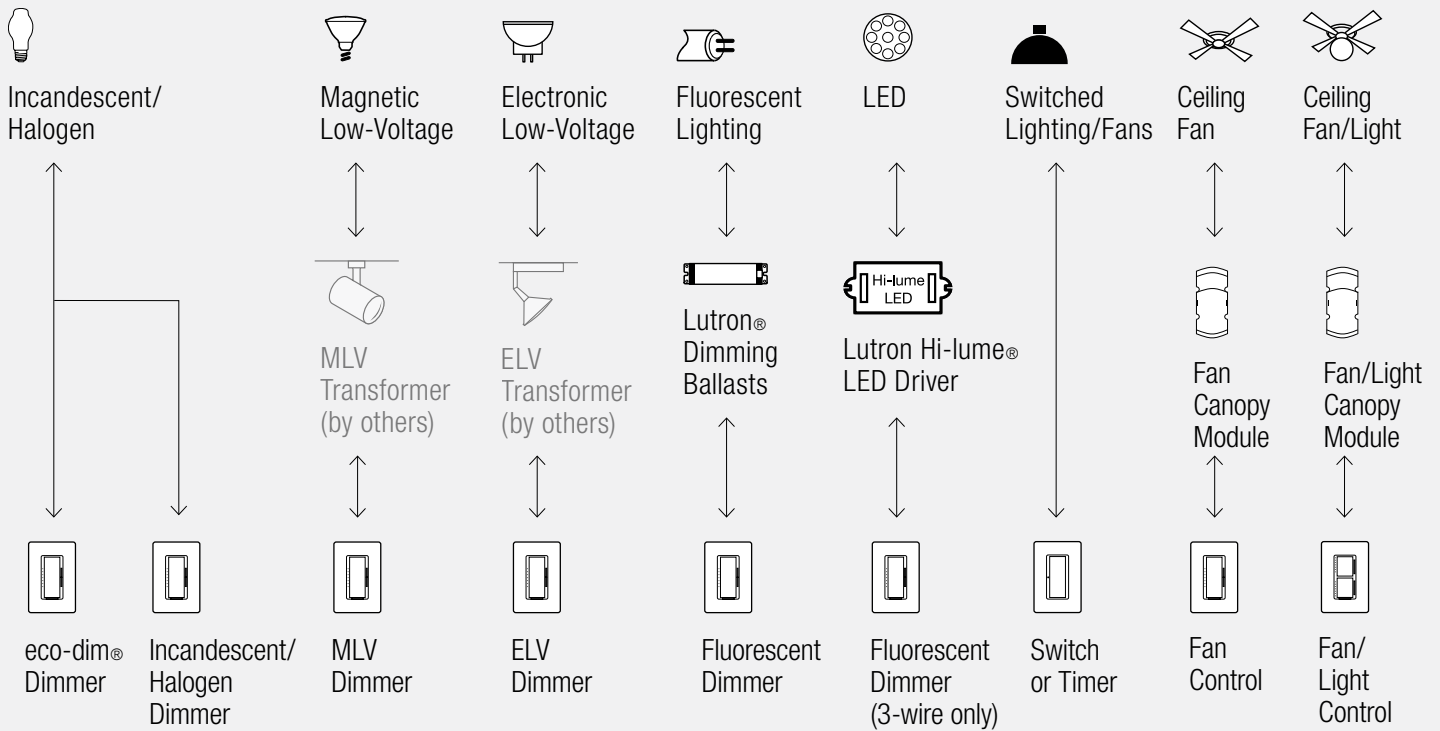
Companion fan/light controls



- For use with multi-location control, use up to two companion controls with one Maestro multi-location fan/light control

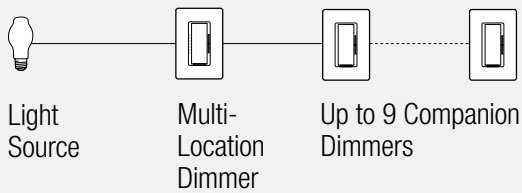
Connections overview

Load connections*

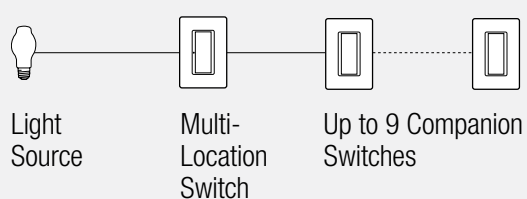


Control types (for 2 or more locations)

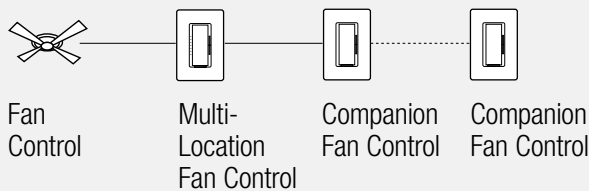
Dim from multiple-locations (up to 10)



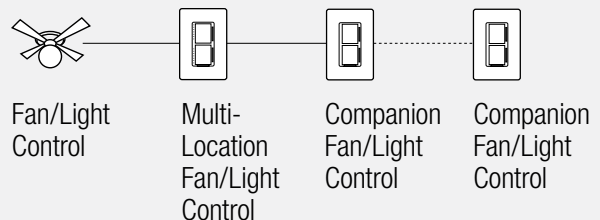
Switch from multiple-locations (up to 10)



Fan control from up to 3 locations



Fan/light control from up to 3 locations



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**

Digital fade dimmers

Multi-location/single-pole 120V 600W	MA-600- CC ³
Multi-location/single-pole 120V 600W	MSC-600M- CC ⁴
Multi-location/single-pole 120V 1000W	MA-1000- CC ³
Multi-location/single-pole 120V 1000W	MSC-1000M- CC ⁴

eco-dim® digital fade dimmer**

Multi-location/single-pole 120V 600W	MA-600G- EE ²
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eco-dim model guarantees at least 15% energy savings and triples lamp life compared to a standard switch.

eco-minder™ digital fade dimmer**

Multi-location/single-pole 120V 600W	MA-600I- EE ²
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eco-minder green LED lights demonstrate 15% or more energy savings compared to a standard switch.

Magnetic low-voltage dimmers**

Digital fade dimmers

Multi-location/single-pole 120V 600VA (450W)	MALV-600- CC ³
Multi-location/single-pole 120V 600VA (450W)	MSCLV-600M- CC ⁴
Multi-location/single-pole 120V 1000VA (800W)	MALV-1000- CC ³
Multi-location/single-pole 120V 1000VA (800W)	MSCLV-1000M- 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.

Electronic low-voltage dimmers*

Digital fade dimmers

Multi-location/single-pole 120V 600W	MAELV-600- CC ³
Multi-location/single-pole 120V 600W	MSCELV-600M- CC ⁴

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

CC³: Gloss color codes, see pg. 47
CC⁴: Satin color codes, see pg. 47
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.

*Requires neutral wire connection.

**Minimum load is 40W/VA.

Dimmer model numbers

3-wire fluorescent dimmers*

Digital fade dimmers (two loads)

Multi-location/single-pole 120V 6A	MAF-6AM- CC ³
Multi-location/single-pole 120V 6A	MSCF-6AM- CC ⁴
Multi-location/single-pole 277V 6A	MAF-6AM-277- CC ³
Multi-location/single-pole 277V 6A	MSCF-6AM-277- CC ⁴

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

Fixed low-end trim (non-adjustable).

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

Digital fade dimmers

Multi-location/single-pole 120V 6A	MAF-6AM- CC ³
Multi-location/single-pole 120V 6A	MSCF-6AM- CC ⁴
Multi-location/single-pole 277V 6A	MAF-6AM-277- CC ³
Multi-location/single-pole 277V 6A	MSCF-6AM-277- CC ⁴

For use with Hi-lume LED driver only.

For more information on Hi-lume LED drivers, visit www.lutron.com/HilumeLED.

Fixed low-end trim (non-adjustable).

CC¹: Gloss and Satin color codes, see pg. 47

CC³: Gloss color codes, see pg. 47

CC⁴: Satin color codes, see pg. 47

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

Dimmers and switches with sensor model numbers

Incandescent/halogen dimmers with occupancy/vacancy sensor

Digital fade dimmer with occupancy/vacancy sensor**

Multi-location/single-pole 120V 600W	MS-OP600M- CC ¹
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Digital fade dimmer with vacancy only sensor

Multi-location/single-pole 120V 600W	MS-VP600M- CC ¹
---	-----------------------------------

Not for use with mechanical 3-way or 4-way switches.

Switches with occupancy/vacancy sensor

Digital switch with occupancy/vacancy sensor*

Multi-location/single-pole 120V 5A	MS-OPS5AM- CC ¹
---------------------------------------	-----------------------------------

Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, non-dim fluorescent ballasts, non-dim LED drivers.

Digital switch with vacancy only sensor*

Multi-location/single-pole 120V 5A	MS-VPS5AM- CC ¹
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Rated for: incandescent/halogen, magnetic low-voltage, electronic low-voltage, non-dim fluorescent ballasts, non-dim LED drivers.

For more information on Lutron 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 is 40W/VA.

Switch model numbers

Switches

Digital switches

Multi-location/single-pole* MA-S8AM-**CC**³
120V 8A light or 3A fan

Multi-location/single-pole* MSC-S8AM-**CC**⁴
120V 8A light or 3A fan

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

Multi-location/single-pole* MSCF-S6AM-277-**CC**⁴
277V 6A light

Multi-location/single-pole* MAF-S6AM-277-**CC**³
277V 6A light

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

Timer model numbers

Timers

Countdown timer control switch (5–60 minutes/full on)**

Single-pole, no neutral required MA-T51-**CC**¹
120V 600W/VA (5A) on/off lighting load
(incandescent/halogen, MLV)
OR 3A general purpose fan(s)

Multi-location/single-pole* MA-T51MN-**CC**¹
120V 600W/VA (5A) on/off lighting load
(incandescent/halogen, MLV, ELV, fluorescent)
OR 3A general purpose fan(s)

Use MA-T51MN- with a companion switch (MA-AS- or MSC-AS-) for multi-location switching.

Countdown eco-timer control switch (30 minutes/full on)**

Single-pole MA-T530G-**EE**²
120V 600W/VA (5A) on/off lighting load
(incandescent/halogen, MLV)
OR 3A general purpose fan(s)

CC¹: Gloss and Satin color codes, see pg. 47

CC³: Gloss color codes, see pg. 47

CC⁴: Satin color codes, see pg. 47

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.

***Requires neutral wire connection.**

**Minimum load is 40W/VA.

Dual device model numbers

 **Incandescent/halogen dimmer
and Incandescent/halogen dimmer****

Dual dimmers

Single-pole	MA-L3L3- CC ¹
120V 300W light (top)	
Incandescent/halogen	
120V 300W light (bottom)	
Incandescent/halogen	

 **Incandescent/halogen dimmer
and switch****

Dual dimmer/switch

Single-pole	MA-L3S25- CC ¹
120V 300W light (top)	
Incandescent/halogen	
2.5A switch (bottom)	
Lighting load and/or general purpose fan(s)	

 **Incandescent/halogen dimmer
and timer switch****

Dual dimmer/timer switch

Single-pole	MA-L3T251- CC ¹
120V 300W light (top)	
Incandescent/halogen	
2.5A timer switch (bottom)	
Lighting load and/or general purpose fan(s)	

Companion control model numbers

Companion controls

Companion dimmers

Companion dimmer	MA-R- CC ³
120V	MSC-AD- CC ⁴
Companion dimmer	MA-R-277- CC ³
277V	MSC-AD-277- CC ⁴

No derating required if ganged.

Companion switches

Companion switch	MA-AS- CC ³
120V	
Companion switch	MSC-AS- CC ⁴
120V	
Companion switch	MA-AS-277- CC ³
277V	
Companion switch	MSC-AS-277- CC ⁴
277V	

No derating required if ganged.

CC¹: Gloss and Satin color codes, see pg. 47

CC³: Gloss color codes, see pg. 47

CC⁴: Satin color codes, see pg. 47

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

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

**Minimum load is 40W/VA.

**Fan control and fan/light control
model numbers**

 **Fan controls**

Digital fan controls—quiet 7-speed

Multi-location	MA-FQ4FM- CC ¹
120V, up to 4 canopy modules (1 A each)	

Multi-location package	MA-FQ3- CC ¹
120V, up to 4 canopy modules (1 A each)	

All above include one wall-mounted fan control and one fan-mounted canopy module. Wallplates sold separately.

Multi-location package (MA-FQ3-) also includes companion fan control (MA-AFQ4). Wallplates sold separately.

No derating required if ganged.

Canopy modules (fan-mounted)

Canopy module	CM-FQ1
120V 1 A	

All Maestro fan controls and fan/light controls include one canopy module for control of one fan. One additional canopy module (CM-FQ1) required for each additional fan—up to one fan total.

 **Fan/light controls**

Fan/light control—quiet 7-speed

Single-pole	MA-LFQHW- CC ³
120V 300W light (top)	

Incandescent/halogen	
1 canopy module for up to 1 A fan (bottom)	

Multi-location	MA-LFQM- CC ¹
120V 300W light (top)	

Incandescent/halogen	
1 canopy module for up to 1 A fan (bottom)	

All above include the necessary wall-mounted fan/light control and one fan-mounted canopy module.

Single-pole model includes wallplate.

Multi-location model may be used with up to two companion fan/light controls (MA-ALFQ35-), see pg. 66. Wallplates sold separately.

No derating required if ganged.

CC¹: Gloss and Satin color codes, see pg. 47
(Wallplates not included with above, order separately, see pg. 160)

CC³: Gloss color codes, see pg. 47

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

Companion fan and fan/light control model numbers

Companion fan control

Companion fan control	MA-AFQ4- CC ¹
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120V

Use up to two wall-mounted companion fan controls with one MIR-FQ4FMT- or MIR-FQ4FM- for multi-location fan control.

No derating required if ganged.

Companion fan/light control

Companion fan/light control	MA-ALFQ35- CC ¹
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120V

Use up to two wall-mounted controls with only one Maestro multi-location fan/light control.

No derating required if ganged.

CC¹: Gloss and Satin color codes, see pg. 47
(Wallplates not included, order separately,
see pg. 160)

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

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

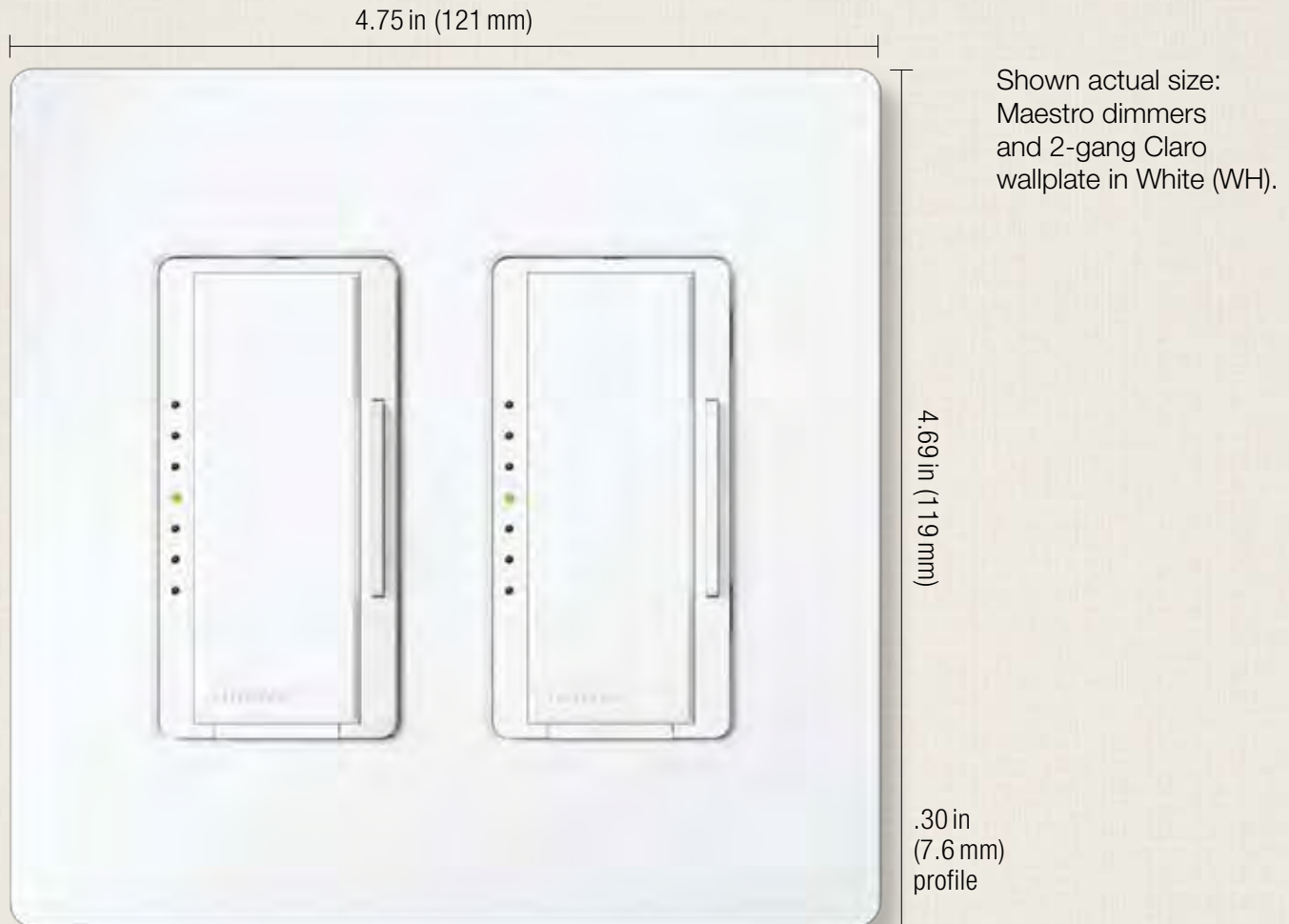


Customizable
6-port frame



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

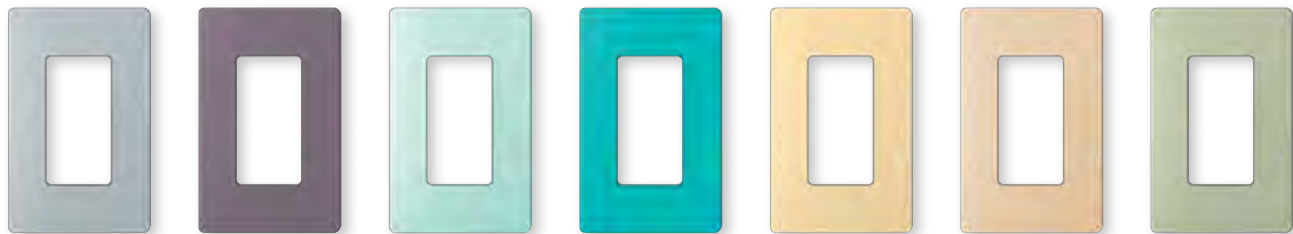
BI
Biscuit

ES
Eggshell

PD
Palladium

TP
Taupe

ST
Stone



BG
Bluestone

PL
Plum

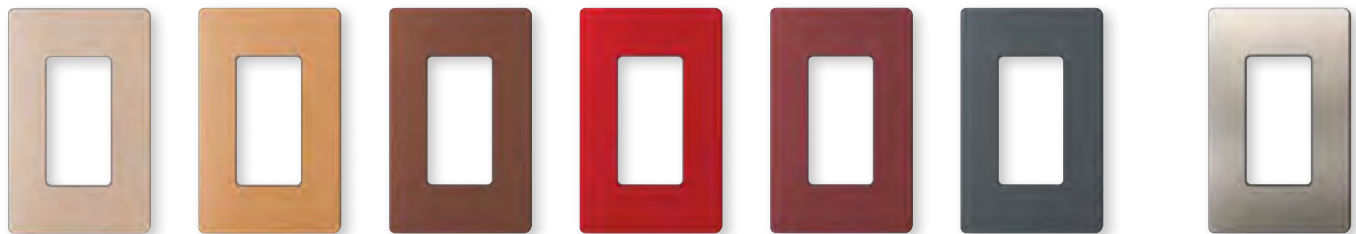
SG
Sea Glass

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

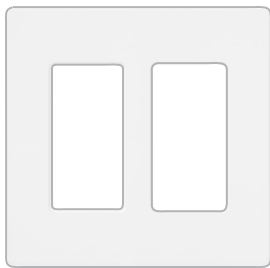
W: 2.94 in (75 mm); H: 4.69 in (119 mm)
D: .30 in (7.6 mm)



4-gang*

CW-4-**CC**²
SC-4-**CC**⁴

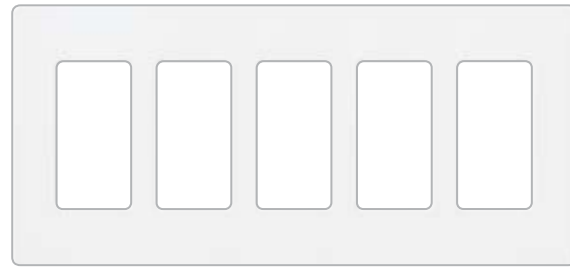
W: 8.37 in (213 mm); H: 4.69 in (119 mm);
D: .30 in (7.6 mm)



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
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

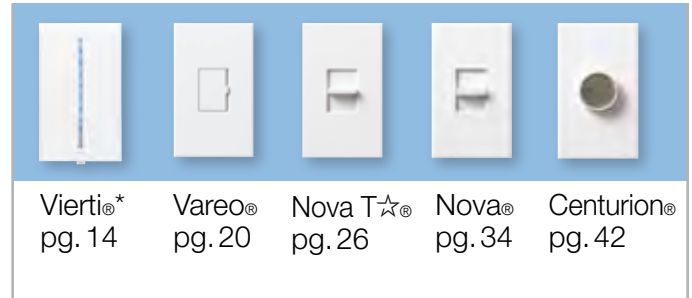
For further information on ganging Nova®, visit www.lutron.com/customganging.











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).

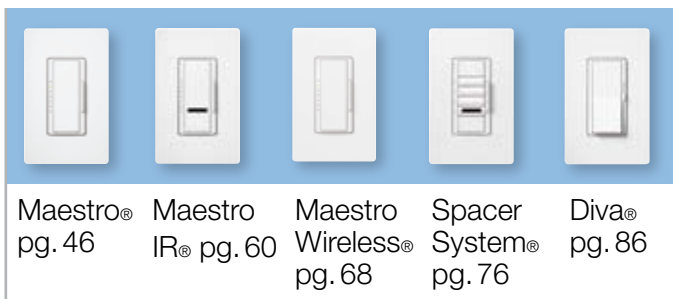
Dimmer capabilities and interface requirements











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

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

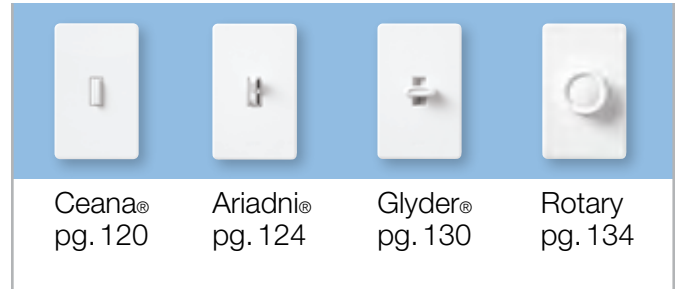
TVI: 0-10V Interface (GRX-TVI)










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

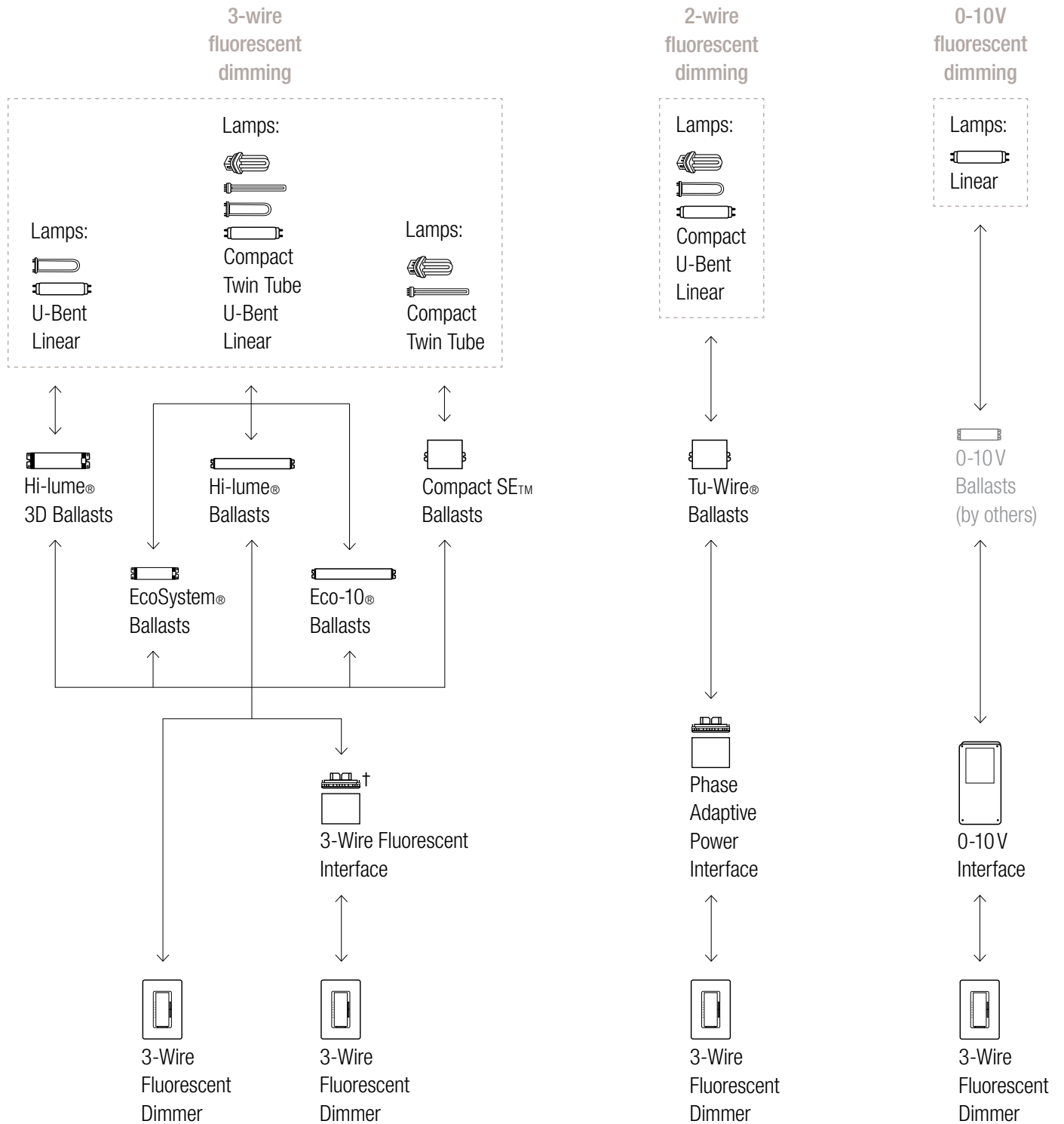
Interface mounting

- 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.

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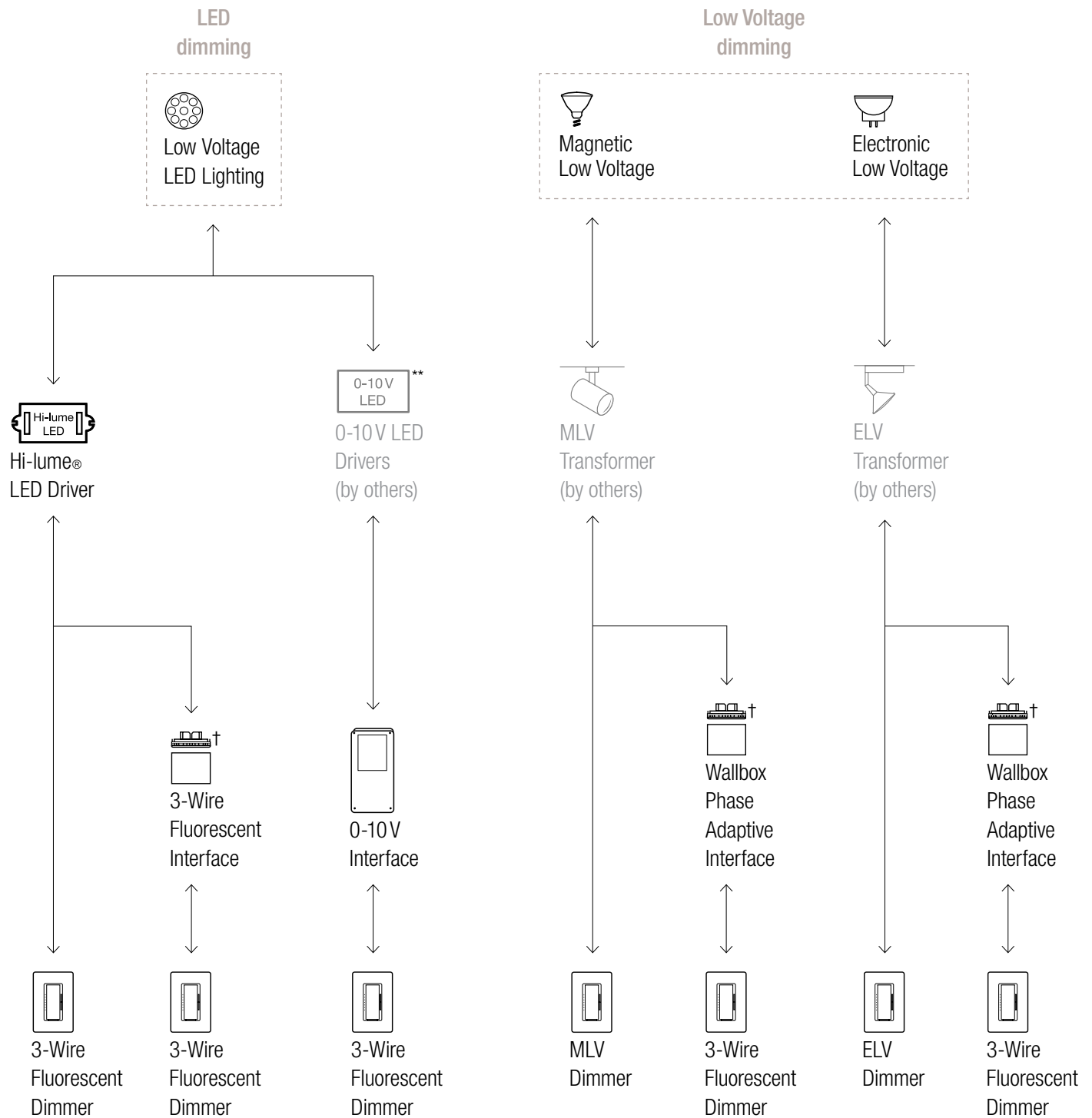


For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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

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

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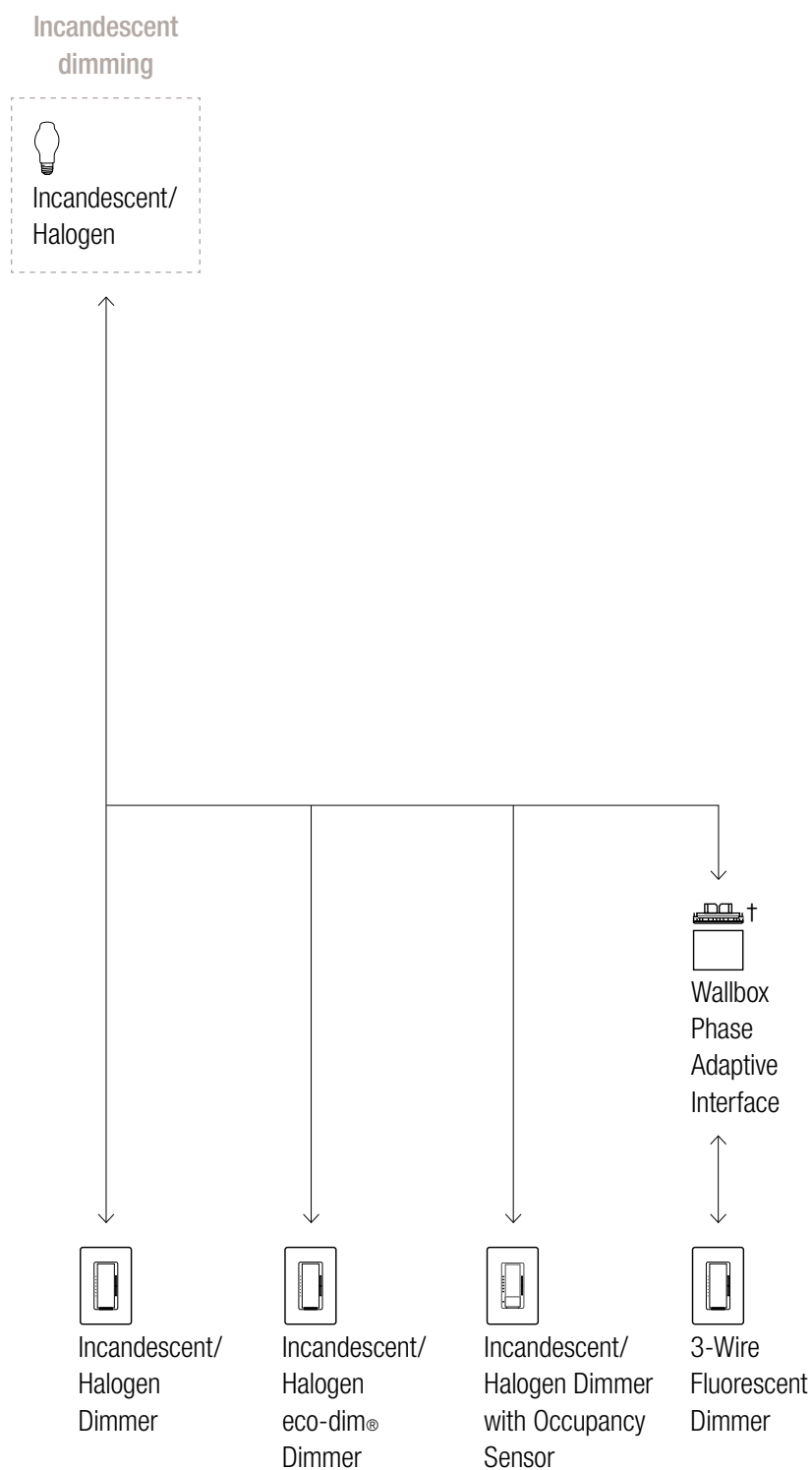
For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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.

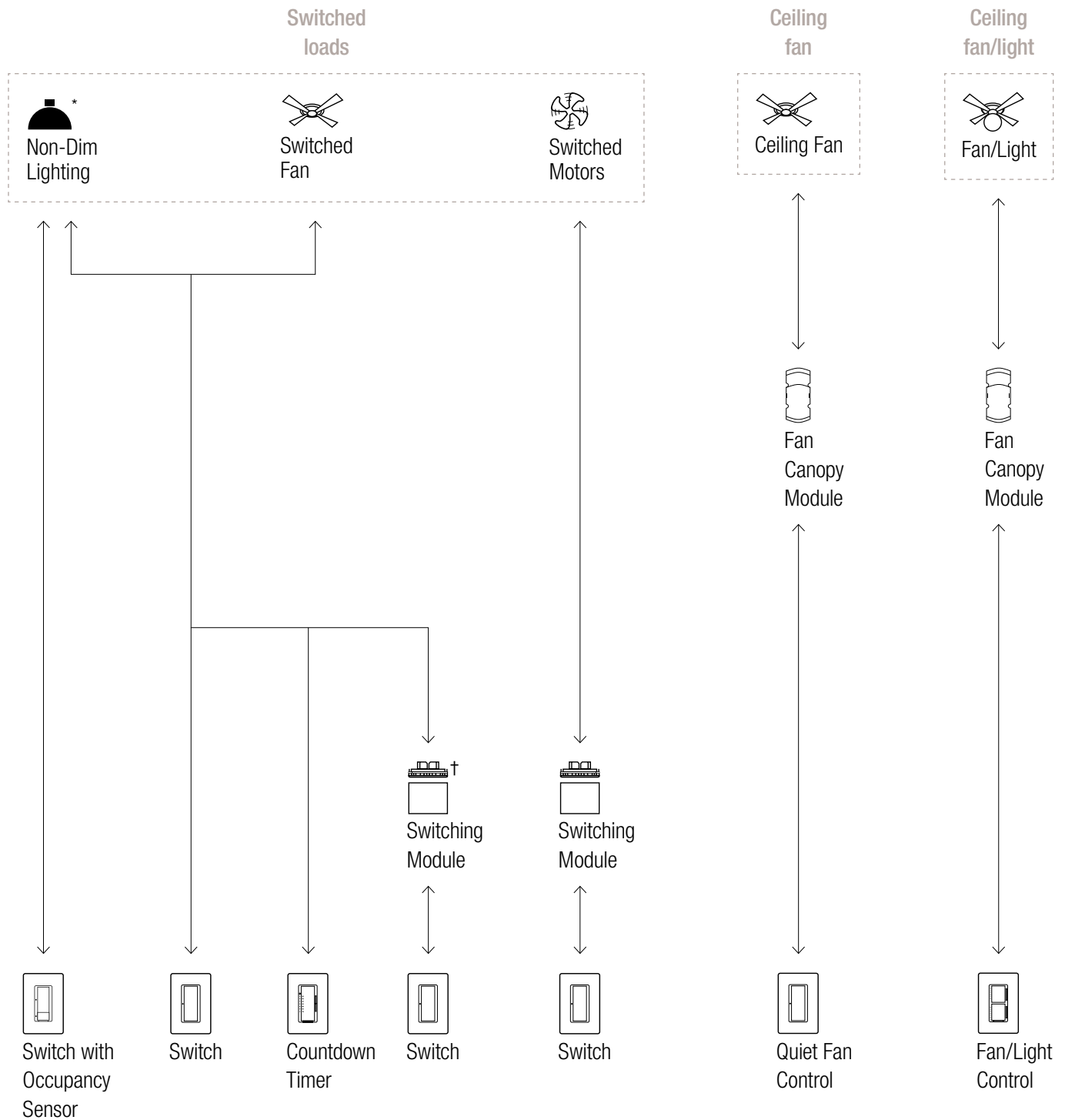
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For illustration purposes only. Consult model number pages for specific voltage and capacity information.

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

Maestro®

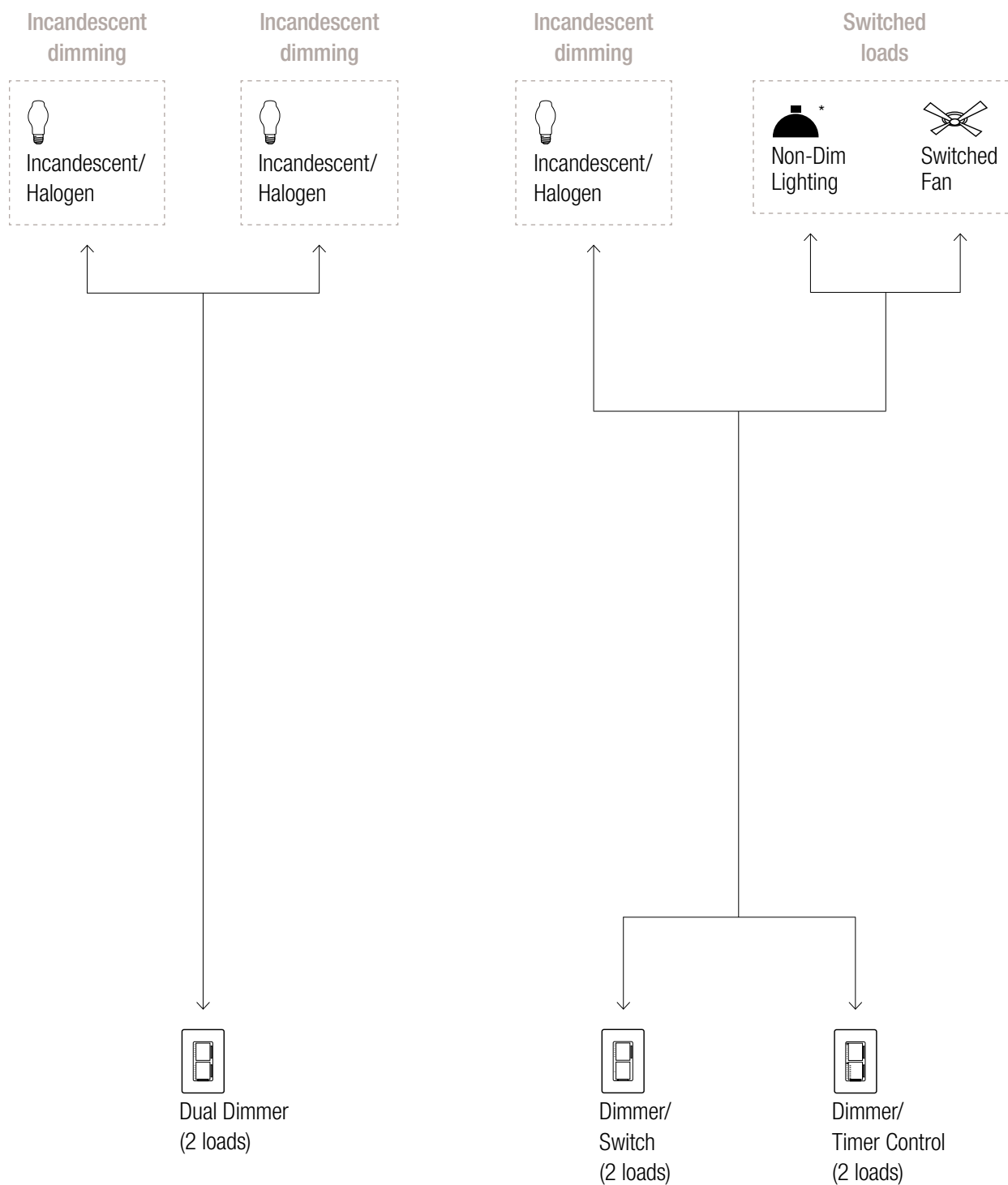


For illustration purposes only. Consult model number pages for specific voltage and capacity information.

*Refer to pg. 54 for specific load type.

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

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

*Refer to pg. 54 for specific load type.