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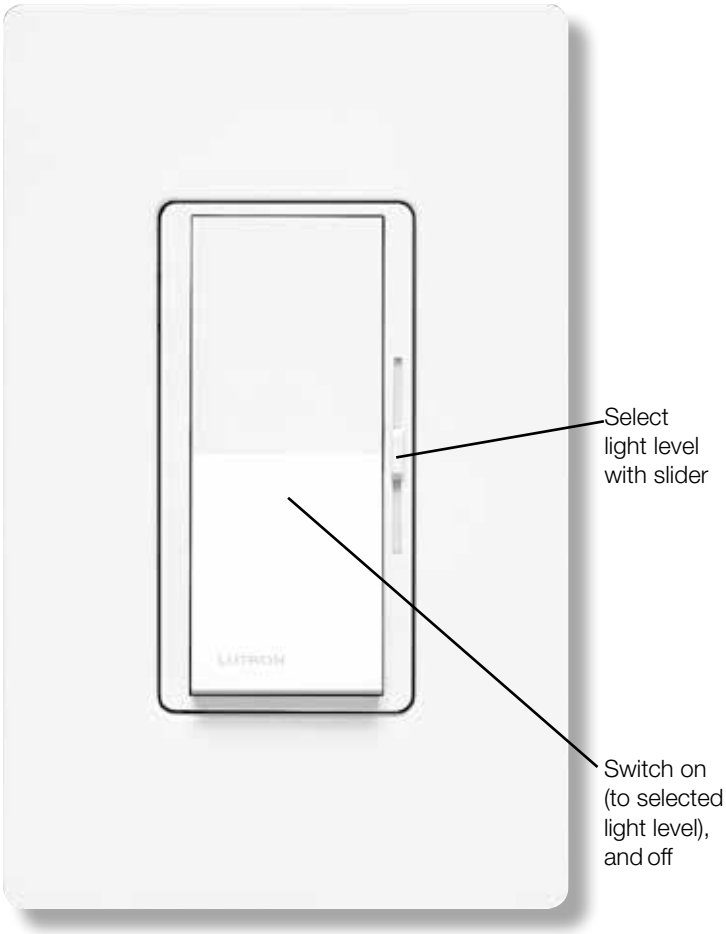
Diva LED+ Dimmer

Dimmer for dimmable LED, CFL, halogen, and incandescent bulbs.



Features

- Large paddle switch with a captive linear-slide dimmer for a standard designer wallplate opening.
- LED+ includes the most advanced technology for superior dimming of LED, CFL, halogen, and incandescent bulbs.
- UL Listed to control:
  - Dimmable LEDs
  - Dimmable compact fluorescent lamps (CFL) with integrated ballast
  - Lutron LTEA Hi-lume 1% forward-phase LED driver
  - Halogen
  - Incandescent
- Low-end adjustment to accommodate a wide range of bulbs.
- 100% factory tested.
- Formerly C•L.
- Coordinating Claro and Stainless Steel wallplates available separately.

Application Requirements

- ***When dimming LEDs or CFLs, only bulbs marked or rated as DIMMABLE may be used.***
- For a complete list of compatible DIMMABLE LEDs please visit www.lutron.com/LEDfinder
- Some DIMMABLE LEDs and CFLs require a minimum number of bulbs for proper operation. For details and a list of bulbs, please visit www.lutron.com/LEDfinder

Model Numbers

DVCL-153P-XX[1,2]	Gloss Finish, Single pole/3-way[3]
DVCL-153PH-XXC[4]	Gloss Finish, Single pole/3-way[3]
DVSCCL-153P-XX[1]	Satin Finish, Single pole/3-way[3]

Packages	Includes
DVWCL-153PH-XX[1,5]	1 DVCL-153P-XX and 1 CW-1-XX (single-gang wallplate)
DVWCL-153PH-XXC[6]	1 DVCL-153P-XX-C and 1 CW-1-XX (single-gang wallplate)

[1] "XX" in the model number represents color/finish code; see "Colors and Finishes" on page 3.
[2] For clamshell packaging, add "H" after "153P".
[3] For 3-way and 4-way switching, use Claro switches or other mechanical switches.
[4] Clamshell packaged product for Canada.
[5] Clamshell packaged product. Available in AL, IV, LA, and WH.
[6] Clamshell packaged product for Canada. Available in LA and WH.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory Approvals

- UL Listed to US and Canadian safety requirements UL1472/CSA C22.2 184.1
- NOM

Power and Ratings

- 120 V~ 60 Hz
- 150 W dimmable LED/CFL

or

- 600 W incandescent/halogen

or

- Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 5)

or

- 250 W Lutron LTEA Hi-lume 1% forward-phase LED driver (maximum 6 drivers)

Environment

- For indoor use only.
- Operating temperatures 32 °F to 104 °F (0 °C to 40 °C).

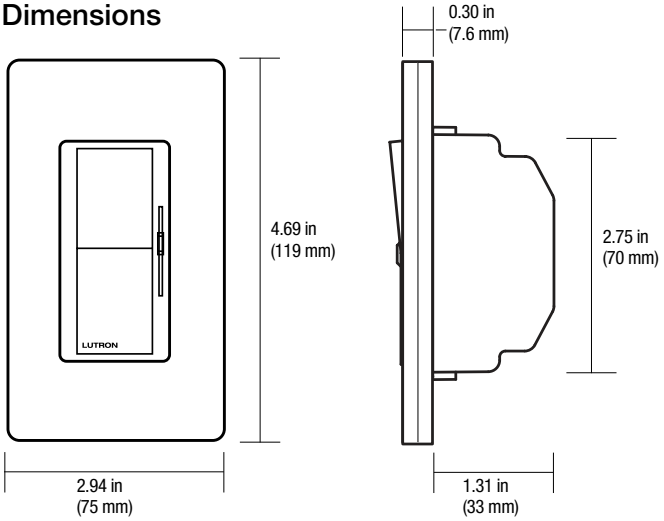
Performance

- Power-failure memory
- Captive linear slider
- Electrostatic discharge tested
- Precise color matching
- Mechanical air-gap switch to disconnect load power

Warranty

- 1 Year Limited Warranty
  For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Dimensions



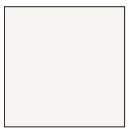
Note: Requires a U.S. wallbox 2½ in (64 mm) deep minimum.

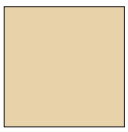
Job Name:	Model Numbers:	
Job Number:		

Colors and Finishes

Add color/finish code to model #
Example: DVCL-153P-WH

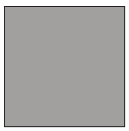
Gloss Finishes


White
WH


Ivory
IV

Almond
AL

Light Almond
LA

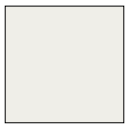

Gray
GR

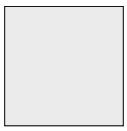
Brown
BR

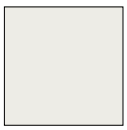
Black
BL

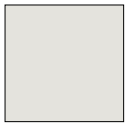
Satin Finishes

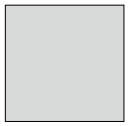
Brilliant White
BW

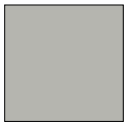

Glacier White
GL


Snow
SW

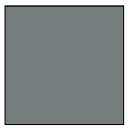

Architectural White
RW


Lunar Gray
LG

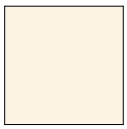

Mist
MI

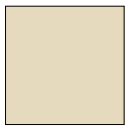

Pebble
PB

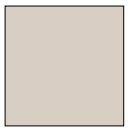
Cobblestone
CS

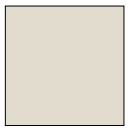

Slate
SL

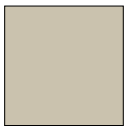
Midnight
MN

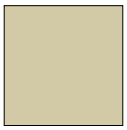

Biscuit
BI


Sand
SD


Taupe
TP


Pumice
PM


Clay
CY


Sage
SA

Espresso
EP

Truffle
TF

Deep Sea
DE

Signal Red
SR

Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.

- Color chip keychains are available for more precise color matching:
  Gloss Finishes: DG-CK-1
  Satin Finishes: SF-CK-1
  For coordinating wallplates and accessories, visit lutron.com/claro

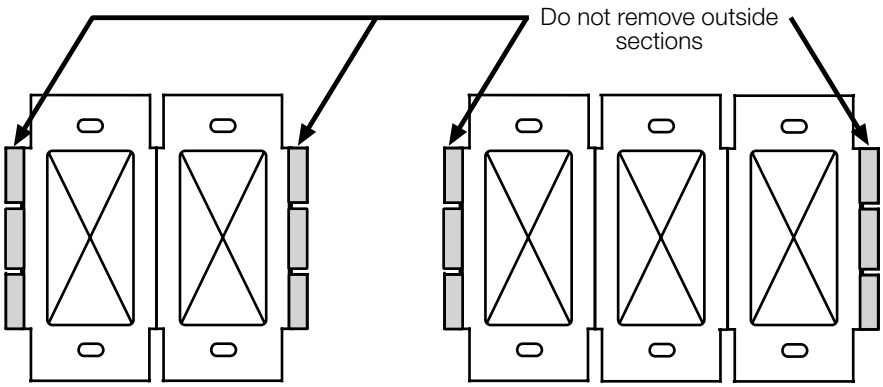
Job Name:	Model Numbers:	
Job Number:		

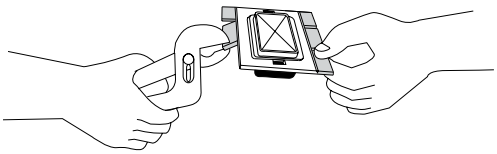
Multigang and Mixed-Bulb-Type Ratings

When installing more than one dimmer in the same wallbox, it may be necessary to remove some side sections prior to wiring **(see diagram)**. Removal of dimmer side sections may reduce maximum wattage, as shown in the chart below.

Mixing bulb types **(using a combination of LED/CFL, and incandescent/halogen bulbs)** will also affect the maximum ratings, as shown in the chart below.

*EXAMPLE: If one set of side sections is removed and you have three 10 W LED bulbs installed (Total LED Wattage = 30 W), you may add up to 300 W of incandescent or halogen lighting.

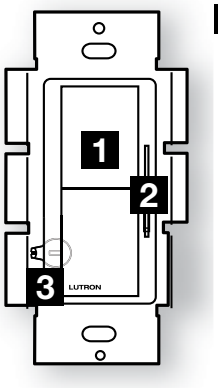




Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs) LED CFL		Maximum Allowable Incandescent/Halogen Wattage INC/HAL		
		No sides removed	1 side removed	2 sides removed
0 W	+	600 W	500 W	400 W
1 W – 25 W	+	500 W	400 W	300 W
26 W – 50 W	+	400 W	300 W	200 W
51 W – 75 W	+	300 W	200 W	100 W
76 W – 100 W	+	200 W	100 W	50 W
101 W – 125 W	+	100 W	50 W	0 W
126 W – 150 W	+	0 W	0 W	0 W

Job Name:	Model Numbers:	
Job Number:		

Operation (View with wallplate removed)



1 Switch

Turns lights ON and OFF.

2 Slider

Controls light level.

\+ **Up**
Increases light level

– **Down**
Decreases light level

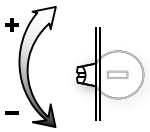
IMPORTANT: Set slider to bottom before adjusting dimming range.

Lever-type Adjustment Dial

3 Adjustment lever

Sets low end dimming limit.

Up (clockwise)
Increases brightness



Down (counter-clockwise)
Decreases brightness

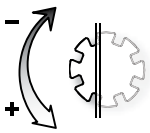
OR

Wheel-type Adjustment Dial

3 Adjustment dial

Sets low end dimming limit.

Up (clockwise)
Decreases brightness

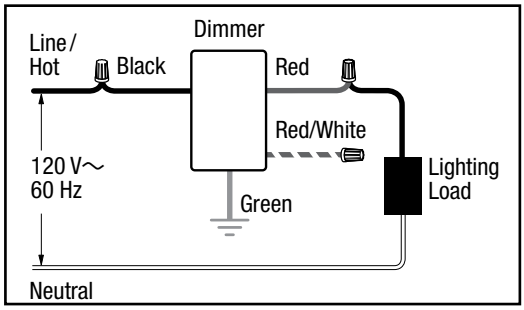


Down (counter-clockwise)
Increases brightness

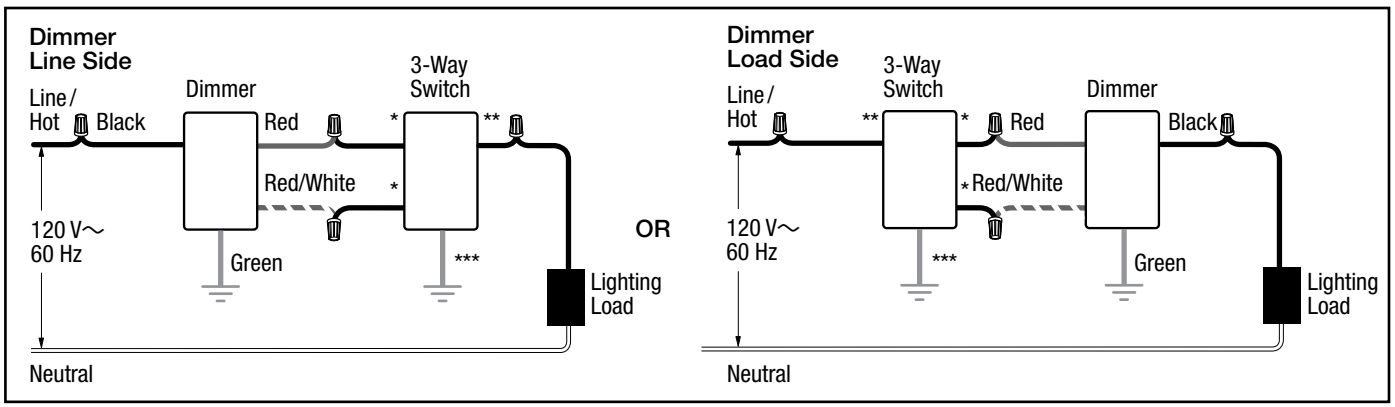
Job Name:	Model Numbers:	
Job Number:		

Wiring Diagrams

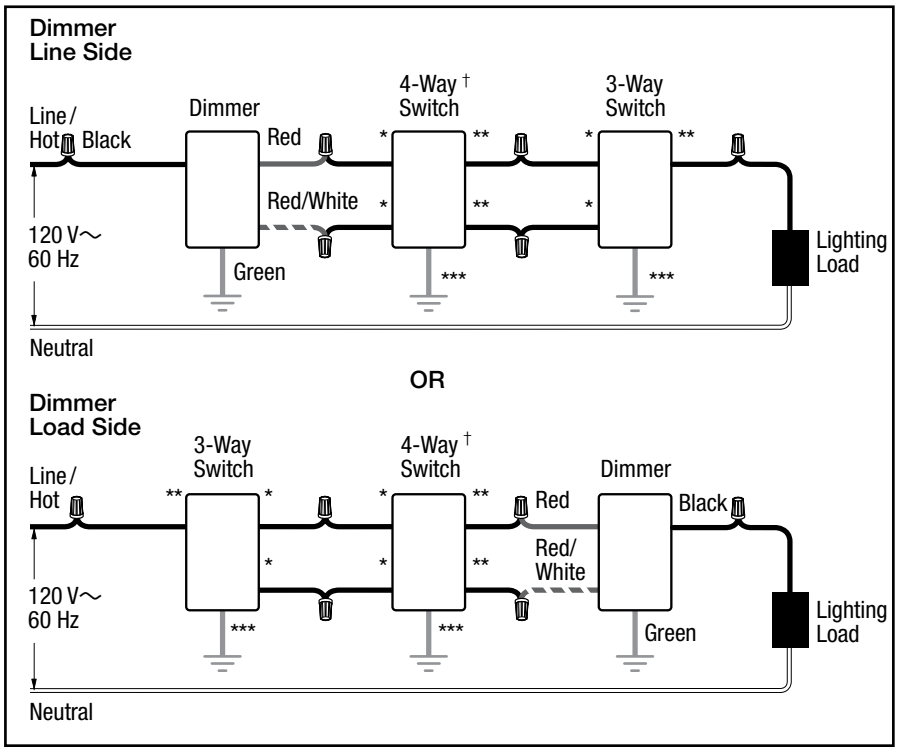
Single-Pole Wiring



3-Way Wiring



4-Way Wiring



* or Copper/Black screw terminal

** or Brass/Gold screw terminal

*** or Green screw terminal

† Please refer to the switch's instruction sheet for proper wiring.

Note for 4-Way Wiring:
Dimmer must be installed Line Side or Load Side. It cannot be installed in the 4-way location.

The Lutron logo, Lutron, Claro, C•L, Hi-lume, LED+, Satin Colors and Diva are trademarks or registered trademarks of Lutron Electronics Co., Inc. in the US and/or other countries.

All other product names, logos, and brands are property of their respective owners.

Job Name:	Model Numbers:	
Job Number:		

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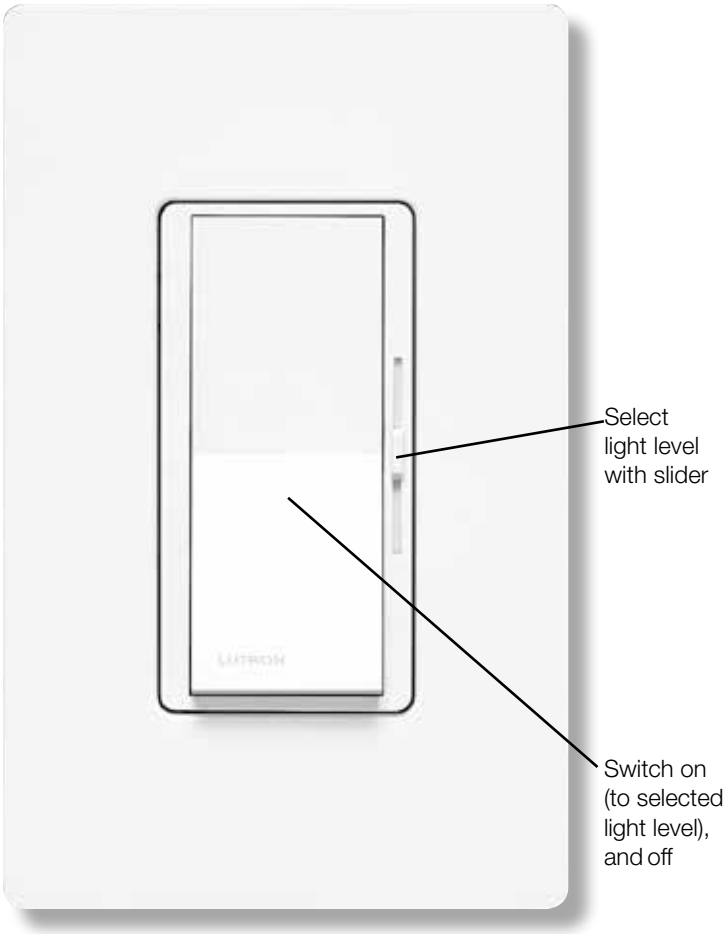
Diva LED+ Dimmer

Dimmer for dimmable LED, CFL, halogen, and incandescent bulbs.



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- LED+ includes the most advanced technology for superior dimming of LED, CFL, halogen, and incandescent bulbs.
- UL Listed to control:
  - Dimmable LEDs
  - Dimmable compact fluorescent lamps (CFL) with integrated ballast
  - Lutron LTEA Hi-lume 1% forward-phase LED driver
  - Halogen
  - Incandescent
- Low-end adjustment to accommodate a wide range of bulbs.
- 100% factory tested.
- Formerly C•L.
- Coordinating Claro and Stainless Steel wallplates available separately.

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Model Numbers

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DVCL-153PH-XXC[4]	Gloss Finish, Single pole/3-way[3]
DVSCCL-153P-XX[1]	Satin Finish, Single pole/3-way[3]

Packages	Includes
DVWCL-153PH-XX[1,5]	1 DVCL-153P-XX and 1 CW-1-XX (single-gang wallplate)
DVWCL-153PH-XXC[6]	1 DVCL-153P-XX-C and 1 CW-1-XX (single-gang wallplate)

[1] "XX" in the model number represents color/finish code; see "Colors and Finishes" on page 3.
[2] For clamshell packaging, add "H" after "153P".
[3] For 3-way and 4-way switching, use Claro switches or other mechanical switches.
[4] Clamshell packaged product for Canada.
[5] Clamshell packaged product. Available in AL, IV, LA, and WH.
[6] Clamshell packaged product for Canada. Available in LA and WH.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory Approvals

- UL Listed to US and Canadian safety requirements UL1472/CSA C22.2 184.1
- NOM

Power and Ratings

- 120 V~ 60 Hz
- 150 W dimmable LED/CFL

or

- 600 W incandescent/halogen

or

- Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table (see page 5)

or

- 250 W Lutron LTEA Hi-lume 1% forward-phase LED driver (maximum 6 drivers)

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- For indoor use only.
- Operating temperatures 32 °F to 104 °F (0 °C to 40 °C).

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- Power-failure memory
- Captive linear slider
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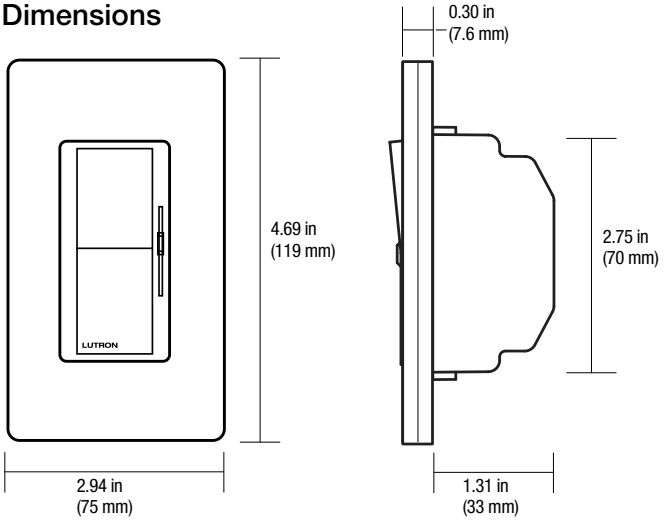
- Mechanical air-gap switch to disconnect load power

Warranty

- 1 Year Limited Warranty
  For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Dimensions



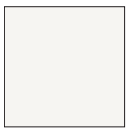
Note: Requires a U.S. wallbox 2½ in (64 mm) deep minimum.

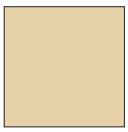
Job Name:	Model Numbers:	
Job Number:		

Colors and Finishes

Add color/finish code to model #
Example: DVCL-153P-WH

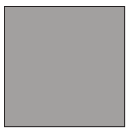
Gloss Finishes


White
WH


Ivory
IV

Almond
AL

Light Almond
LA

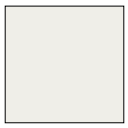

Gray
GR

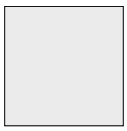
Brown
BR

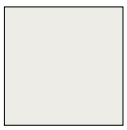
Black
BL

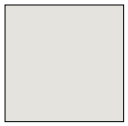
Satin Finishes

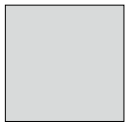
Brilliant White
BW

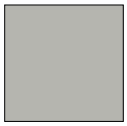

Glacier White
GL


Snow
SW

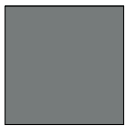

Architectural White
RW


Lunar Gray
LG

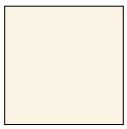

Mist
MI

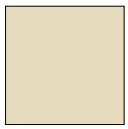

Pebble
PB

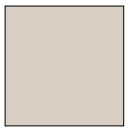
Cobblestone
CS

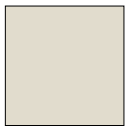

Slate
SL

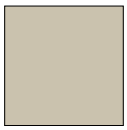
Midnight
MN

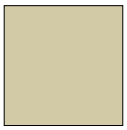

Biscuit
BI


Sand
SD


Taupe
TP


Pumice
PM


Clay
CY


Sage
SA

Espresso
EP

Truffle
TF

Deep Sea
DE

Signal Red
SR

Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.

- Color chip keychains are available for more precise color matching:
  Gloss Finishes: DG-CK-1
  Satin Finishes: SF-CK-1
  For coordinating wallplates and accessories, visit lutron.com/claro

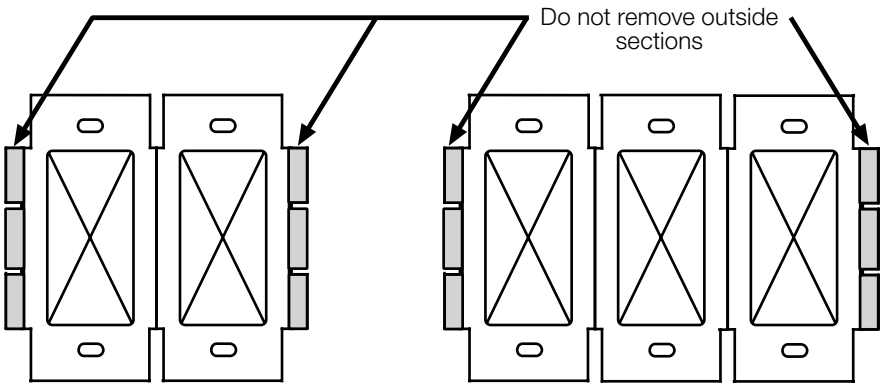
Job Name:	Model Numbers:	
Job Number:		

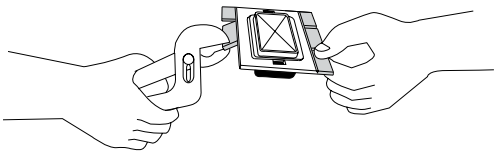
Multigang and Mixed-Bulb-Type Ratings

When installing more than one dimmer in the same wallbox, it may be necessary to remove some side sections prior to wiring **(see diagram)**. Removal of dimmer side sections may reduce maximum wattage, as shown in the chart below.

Mixing bulb types **(using a combination of LED/CFL, and incandescent/halogen bulbs)** will also affect the maximum ratings, as shown in the chart below.

*EXAMPLE: If one set of side sections is removed and you have three 10 W LED bulbs installed (Total LED Wattage = 30 W), you may add up to 300 W of incandescent or halogen lighting.

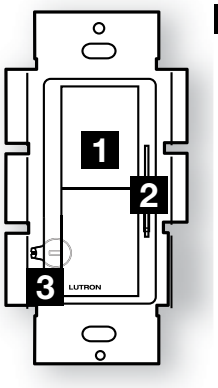




Total LED/CFL Wattage Installed (Wattage per bulb x # of bulbs) LED CFL		Maximum Allowable Incandescent/Halogen Wattage INC/HAL		
		No sides removed	1 side removed	2 sides removed
0 W	+	600 W	500 W	400 W
1 W – 25 W	+	500 W	400 W	300 W
26 W – 50 W	+	400 W	300 W	200 W
51 W – 75 W	+	300 W	200 W	100 W
76 W – 100 W	+	200 W	100 W	50 W
101 W – 125 W	+	100 W	50 W	0 W
126 W – 150 W	+	0 W	0 W	0 W

Job Name:	Model Numbers:	
Job Number:		

Operation (View with wallplate removed)



1 Switch

Turns lights ON and OFF.

2 Slider

Controls light level.

\+ **Up**
Increases light level

– **Down**
Decreases light level

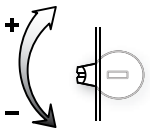
IMPORTANT: Set slider to bottom before adjusting dimming range.

Lever-type Adjustment Dial

3 Adjustment lever

Sets low end dimming limit.

Up (clockwise)
Increases brightness



Down (counter-clockwise)
Decreases brightness

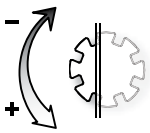
OR

Wheel-type Adjustment Dial

3 Adjustment dial

Sets low end dimming limit.

Up (clockwise)
Decreases brightness

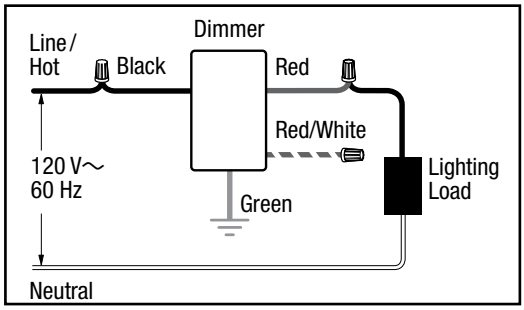


Down (counter-clockwise)
Increases brightness

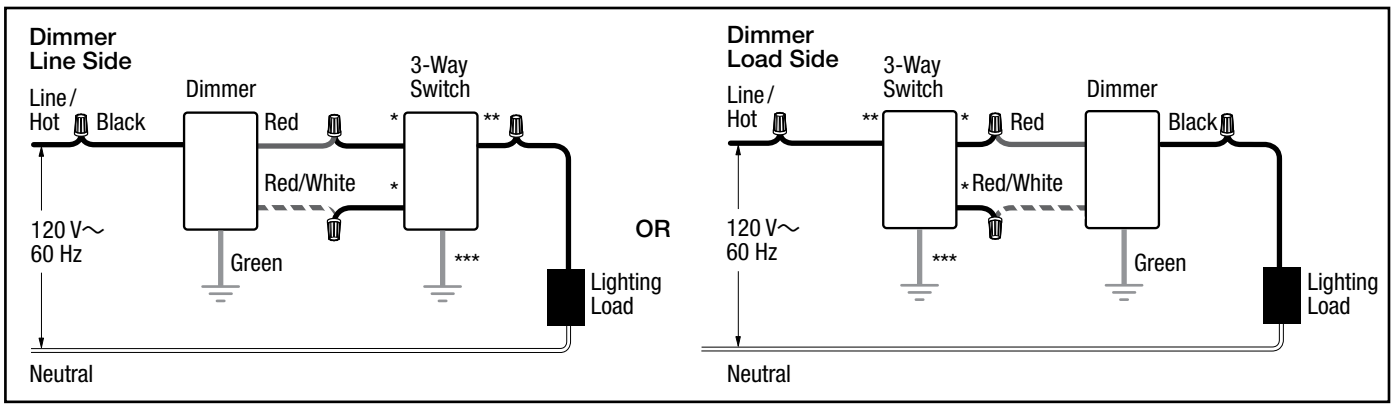
Job Name:	Model Numbers:	
Job Number:		

Wiring Diagrams

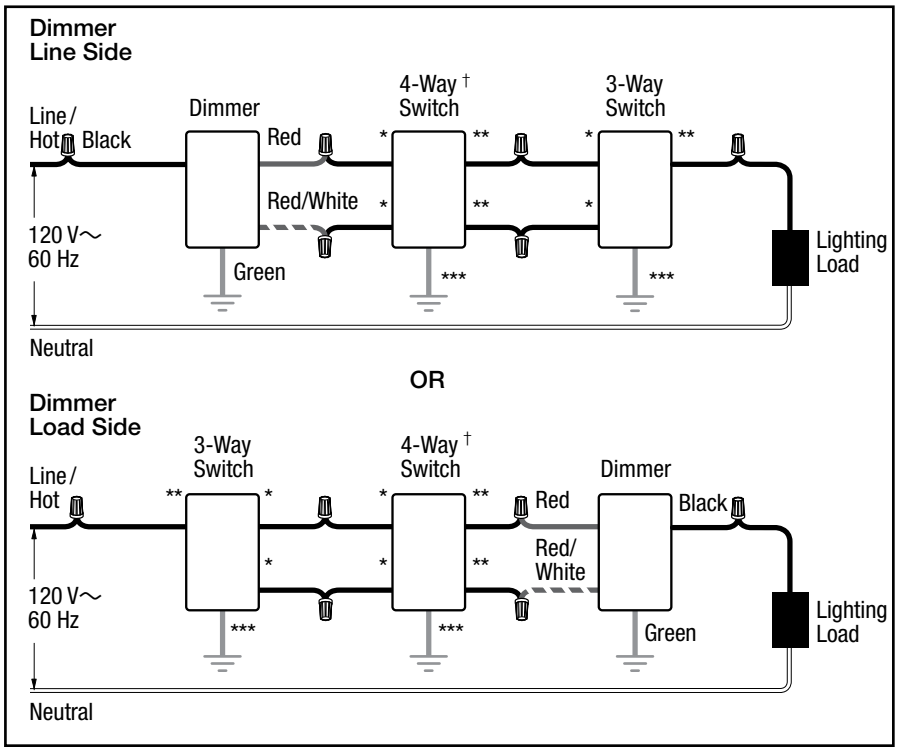
Single-Pole Wiring



3-Way Wiring



4-Way Wiring



* or Copper/Black screw terminal

** or Brass/Gold screw terminal

*** or Green screw terminal

† Please refer to the switch's instruction sheet for proper wiring.

Note for 4-Way Wiring:
Dimmer must be installed Line Side or Load Side. It cannot be installed in the 4-way location.

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Job Name:	Model Numbers:	
Job Number:		