

Diva Phase-Selectable Dimmers

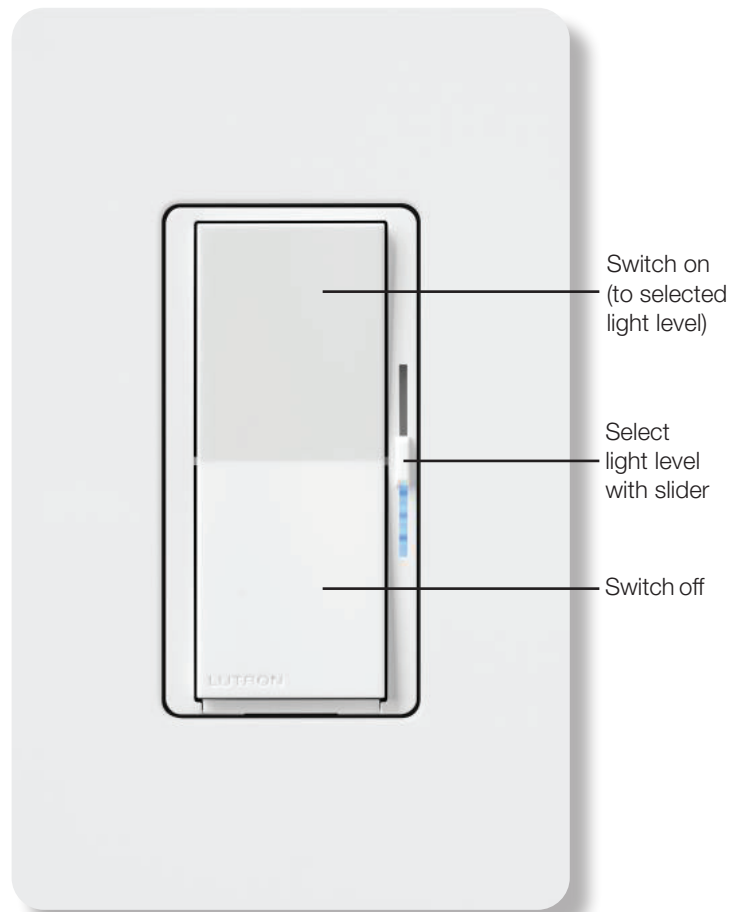
Phase-selectable technology for superior dimming of LED, ELV, MLV, incandescent and halogen lighting.

Features

- Large paddle switch with a captive, backlit, linear-slide dimmer for a standard designer wallplate opening.
- Advanced dimming technology designed for compatibility with a broader range of high-efficacy bulbs
- UL Listed to control:
 - Dimmable LED with integrated driver
 - Electronic Low-Voltage (ELV)
 - Magnetic Low-Voltage (MLV)
 - Dimmable compact fluorescent lamps (CFLs) with integrated ballast
 - Incandescent and halogen
- Neutral Optional for LED, Incandescent and halogen loads. See **Load Type and Capacity** table on page 4.
- Low-end adjustment to accommodate a wide range of bulbs and fixtures.
- Includes Front Accessible Service Switch (FASS) for safe lamp replacement.
- 100% factory tested.
- Coordinating Claro wallplate available separately.

Application Requirements

- **When dimming LEDs, 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 require a minimum number of bulbs for proper operation. For details and a list of bulbs, please visit www.lutron.com/LEDfinder



Wallplate sold separately

Model Numbers¹

DV-PRO-XX²	Diva PRO MAX LED+ dimmer	250 W LED, 500 W ELV/Incandescent, Single-pole / multi-location
DV-PS-WH³	Diva PRO LED+ dimmer	150 W LED, 300 W ELV/Incandescent, Single-pole / multi-location

¹ Model numbers may have an extra letter (e.g., DV-PROR-WH; DV-PSR-WH) to indicate different packaging.

² "XX" in the model number represents color/finish code. See **Colors and Finishes** on page 3.

³ DV-PS-WH is **ONLY** available in gloss white (WH)

LUTRON SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- cULus Listed
- NOM
- NEMA SSL-7A-2015 forward-phase compliant

Power and Ratings

- 120 V~ 50/60 Hz
- For load ratings, see **Load Type and Capacity** table on page 4
- For mixed bulb type please see **Multigang and Mixed Bulb Type Ratings** table (see page 5)

Environment

- For indoor use only
- Operating temperatures 32 °F to 104 °F (0 °C to 40 °C)
- Relative humidity: 0% to 90% non-condensing

Performance

- RTISS Equipped technology compensates in real time for incoming line-voltage variations (neutral connection required)
- Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
- For multi-location applications, use accessory switches (model number ST-AS). One dimmer can be used with up to 9 multi-location accessory switches.

Note: Total multi-location wire length (blue wire) between all units must not exceed 150 ft (45 m).

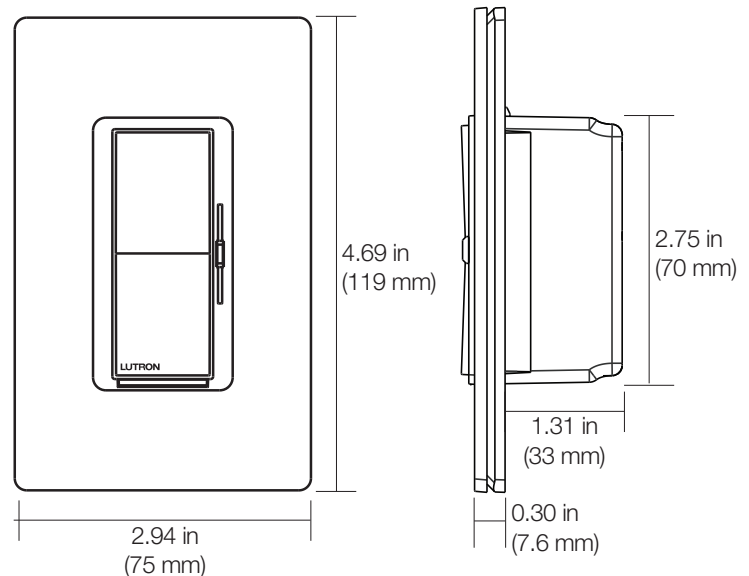
Note: For applications with only two-locations, one dimmer can be used with one mechanical switch.

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

Limited Warranty

- www.lutron.com/warranty or call 1.844.LUTRON1 for a printed copy.

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 #

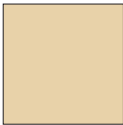
Example: DV-PRO-WH

NOTE: DV-PS-WH is **ONLY** available in gloss white (WH)

Gloss Finishes



White
WH



Ivory
IV



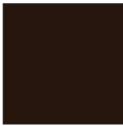
Almond
AL



Light Almond
LA



Gray
GR



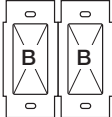
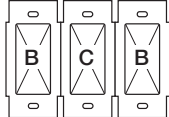
Brown
BR



Black
BL

- 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
- For coordinating wallplates and accessories, visit lutron.com/claro

Load Type and Capacity

						
Load Type	Minimum Load ¹	A Not Ganged	B End of Gang	C Middle of Gang	Neutral Connection	Required Phase Mode
DV-PRO						
LED	1 LED	250 W	200 W	150 W	Optional ²	Either
MLV Transformer with LEDs	See Application Note #559 (P/N 048559) at www.lutron.com No Derating Required				Required	Forward
ELV Transformer with LEDs						Reverse
MLV Transformer with Halogen	N/A	400 VA (300 W)	No Derating Required			Forward
ELV Transformer with Halogen	N/A	500 W	400 W	300 W		Reverse
Incandescent/Halogen	10 W	500 W	400 W	300 W	Optional ²	Either
PHPM-PA/3F and GRX-TVI	1 interface	3 interfaces	No Derating Required		Required	Forward
DV-PS-WH						
LED	1 LED	150 W	No Derating Required		Optional ²	Either
MLV Transformer with LEDs	See Application Note #559 (P/N 048559) at www.lutron.com No Derating Required				Required	Forward
ELV Transformer with LEDs						Reverse
MLV Transformer with Halogen	N/A	250 VA (200 W)	No Derating Required			Forward
ELV Transformer with Halogen	N/A	300 W	No Derating Required			Reverse
Incandescent/Halogen	10 W	300 W	No Derating Required		Optional ²	Either

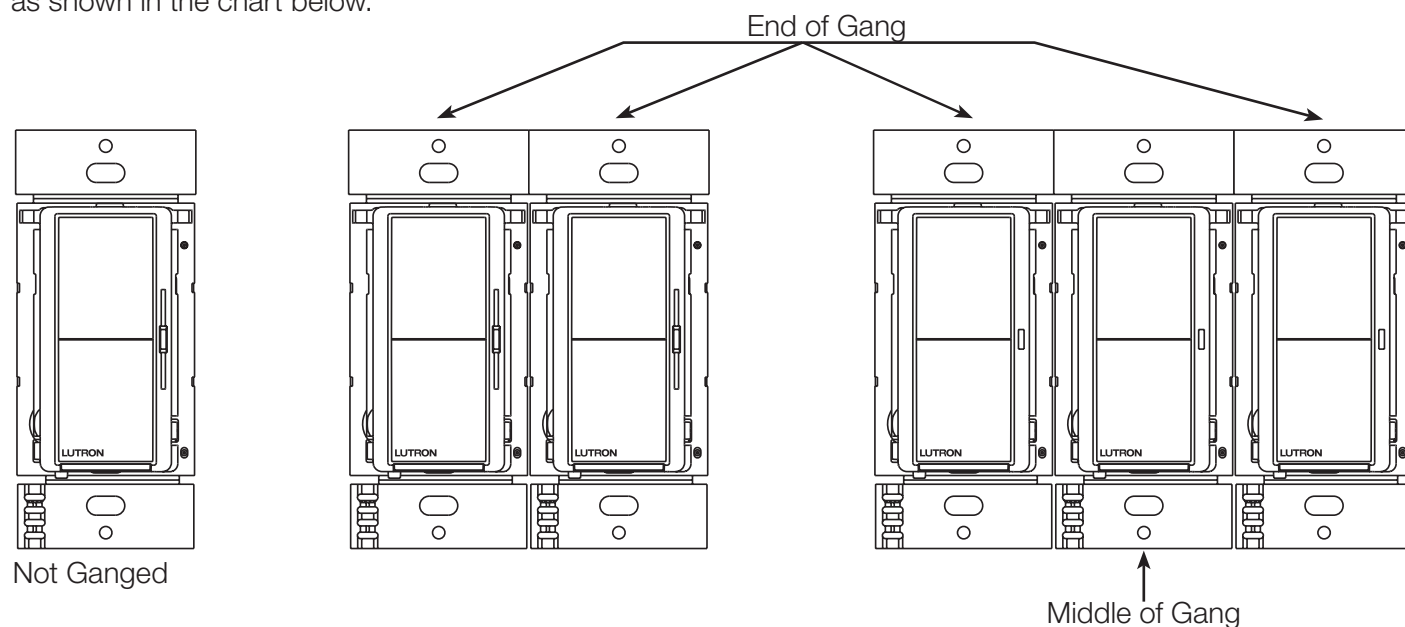
¹ There is no minimum load when neutral is connected.

² Neutral is recommended for best dimming performance, if available, but is not required for this load type.

Job Name:	Model Numbers:
Job Number:	

Multigang and Mixed Bulb Type Ratings

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



DV-PRO

Total LED Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage		
		Not ganged	End of gang	Middle of gang
0 W	+	500 W	400 W	300 W
1 W – 50 W	+	400 W	300 W	200 W
51 W – 100 W	+	300 W	200 W	100 W
101 W – 150 W	+	200 W	100 W	0 W
151 W – 200 W	+	100 W	0 W	
201 W – 250 W	+	0 W		

DV-PS

Total LED Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage		
		Not ganged	End of gang	Middle of gang
0 W	+	300 W	300 W	300 W
1 W – 50 W	+	200 W	200 W	200 W
51 W – 100 W	+	100 W	100 W	100 W
101 W – 150 W	+	0 W	0 W	0 W

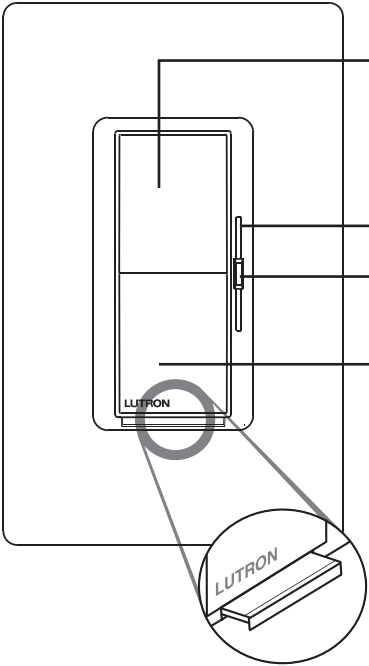
LUTRON SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Operation

Dimmer



On

- If lights are already On, push to go to full brightness
- If lights are Off, push to go to preset light level

Soft-glow light bar

Adjust

- Slide to adjust light level. This will not turn lights Off

Off

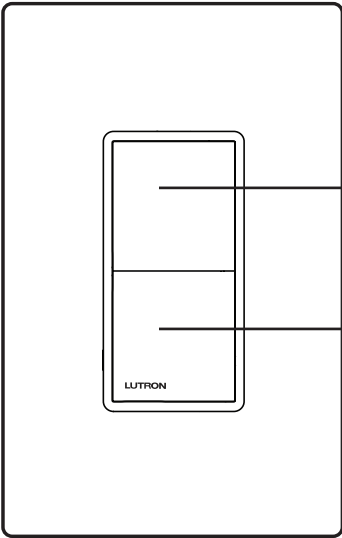
- Push to turn the lights off
- Press and hold for 1 second for delayed fade-to-off (lights turn off after 30-seconds)

FASS
Front Accessible Service Switch

FASS — Front Accessible Service Switch

Important Notice: To service load, remove power by pulling out the FASS as far as possible. To restore power after servicing load, push the FASS back in completely.

Accessory Switch



On

- If lights are already On, push to go to full brightness
- If lights are Off, push to go to preset light level

Off

- Push to turn the lights off
- Press and hold for 1 second for delayed fade-to-off (lights turn off after 30-seconds)

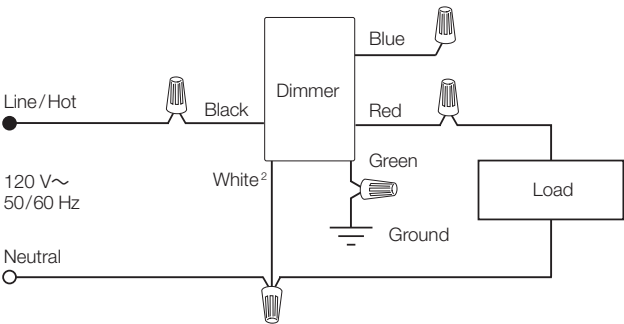
Advanced Programming Mode

Diva phase-selectable dimmers contain an Advanced Programming Mode (APM) that allows users to customize the control to meet their specific needs. For a detailed description of APM features and uses please refer to the Diva Pro Install (P/N 041966) at www.lutron.com

Available Advanced Features	
High-end trim	Select the maximum available light limit.
Low-end trim	Select the minimum available light limit.
Enable/Disable light bar	Select the brightness of the LEDs when the dimmer is Off.
Phase selection	Select between forward-phase and reverse-phase.

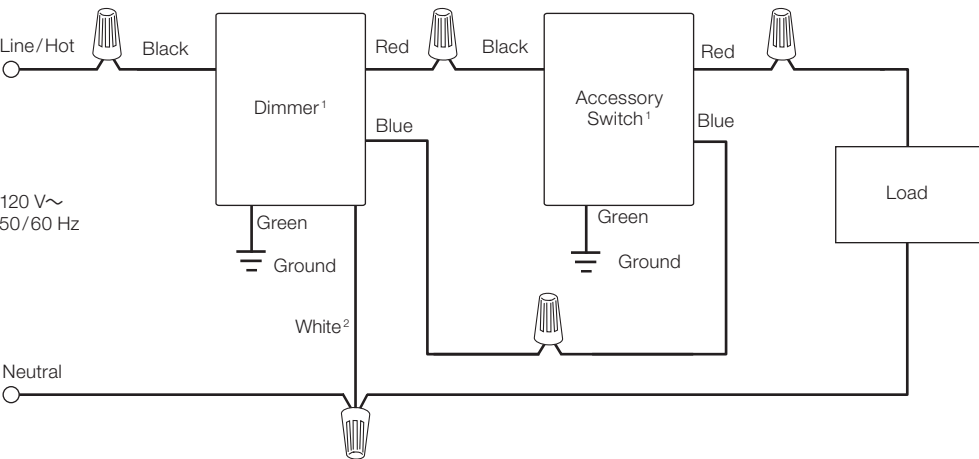
Wiring Diagrams

Single-Location Wiring

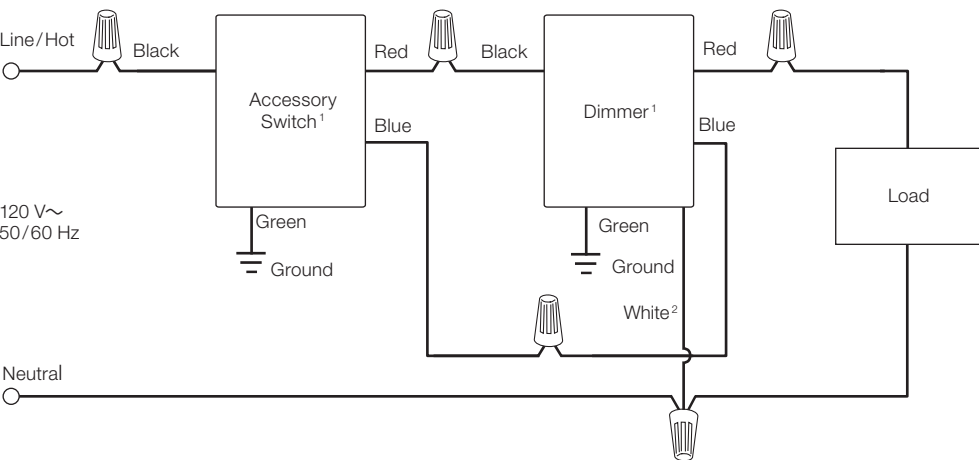


2-Location Wiring with Lutron Accessory Switch(es)

Dimmer (line side)



Dimmer (load side)



¹ Location of the dimmer and the accessory switch are reversible.
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

3 or more-Location Wiring with Lutron Accessory Switches

The diagram illustrates a 120V AC circuit with the following components and connections:

- Power Source:** 120 V ~ 50/60 Hz, consisting of a Line/Hot wire and a Neutral wire.
- Dimmer:** Labeled "Dimmer¹".
 - Line/Hot wire connects to the top terminal (marked "Black").
 - Neutral wire connects to the bottom terminal (marked "White²").
 - Output wire (marked "Red") connects to the top terminal of the first Accessory Switch.
 - Ground wire (marked "Green") connects to the bottom terminal (marked "Ground").
- Accessory Switches:** Three switches, each labeled "Accessory Switch¹".
 - Each switch has a top terminal (marked "Red") and a bottom terminal (marked "Ground").
 - The output wire (marked "Black") of one switch connects to the top terminal of the next switch.
 - The bottom terminal of each switch connects to the common ground line.
- Load:** The final output wire (marked "Red") from the last Accessory Switch connects to the Load.
- Grounding:** A common ground line runs along the bottom, connected to the Neutral wire and the ground terminals of all switches and the dimmer.

The diagram illustrates a 120V AC wiring system. It begins with a 'Line/Hot' wire (120 V~ 50/60 Hz) and a 'Neutral' wire. The 'Line/Hot' wire passes through a fuse and connects to the 'Black' terminal of the first 'Accessory Switch 1'. The 'Neutral' wire passes through a fuse and connects to the 'White²' terminal of the 'Dimmer 1'. The 'Accessory Switch 1' has a 'Red' terminal that connects to the 'Black' terminal of the second 'Accessory Switch 1'. The second switch's 'Red' terminal connects to the 'Black' terminal of the third 'Accessory Switch 1'. The third switch's 'Red' terminal connects to the 'Black' terminal of the 'Dimmer 1'. Each switch has a 'Blue' terminal that connects to a common 'Ground' line. The 'Dimmer 1' has a 'Green' terminal that also connects to this common 'Ground' line. The 'Dimmer 1' has a 'Red' terminal that connects to a 'Load' box. The 'Load' box has a 'White²' terminal that connects back to the 'Neutral' wire. The 'Dimmer 1' also has a 'White²' terminal that connects to the 'Neutral' wire. The 'Accessory Switch 1' has a 'Blue' terminal that connects to a 'Ground' symbol. The second and third switches also have 'Blue' terminals that connect to the common 'Ground' line. The 'Dimmer 1' has a 'Green' terminal that connects to the common 'Ground' line. The 'Load' box has a 'White²' terminal that connects back to the 'Neutral' wire. The 'Dimmer 1' also has a 'White²' terminal that connects to the 'Neutral' wire.

The diagram illustrates a 120 V~ 50/60 Hz AC circuit. It features a main horizontal line with three wires: Line/Hot (Black), Neutral (White²), and Ground (Green). The circuit includes four devices: three Accessory Switch¹ and one Dimmer¹. Each device has a Red line wire, a Black load wire, and a Green ground wire. The wiring connections are as follows:

- Line/Hot (Black):** Connects to the Red line wire of the first Accessory Switch¹.
- Neutral (White²):** Connects to the Black load wire of the first Accessory Switch¹, the Red line wire of the second Accessory Switch¹, the Black load wire of the second Accessory Switch¹, the Red line wire of the Dimmer¹, the Black load wire of the Dimmer¹, the Red line wire of the third Accessory Switch¹, and the Black load wire of the third Accessory Switch¹.
- Ground (Green):** Connects to the Green ground wire of each of the four devices.
- Load:** The Black load wire of the third Accessory Switch¹ connects to a Load box.

The diagram also shows the internal wiring of each device, with the Red line wire and Black load wire connected to the switch/dimmer mechanism, and the Green ground wire connected to the ground terminal.

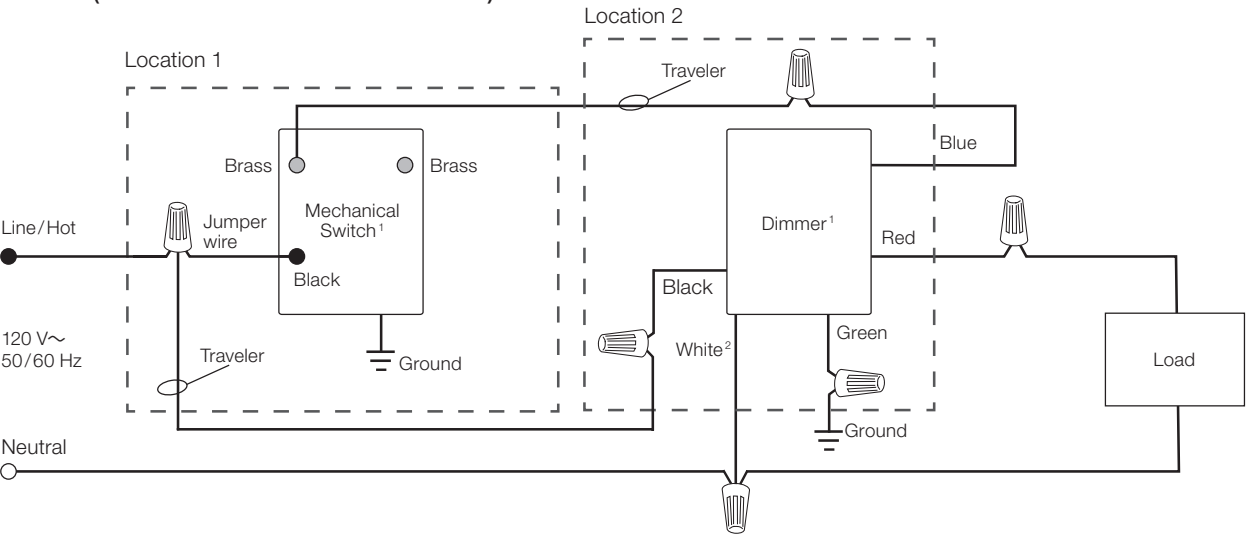
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

Job Name:	Model Numbers:
Job Number:	

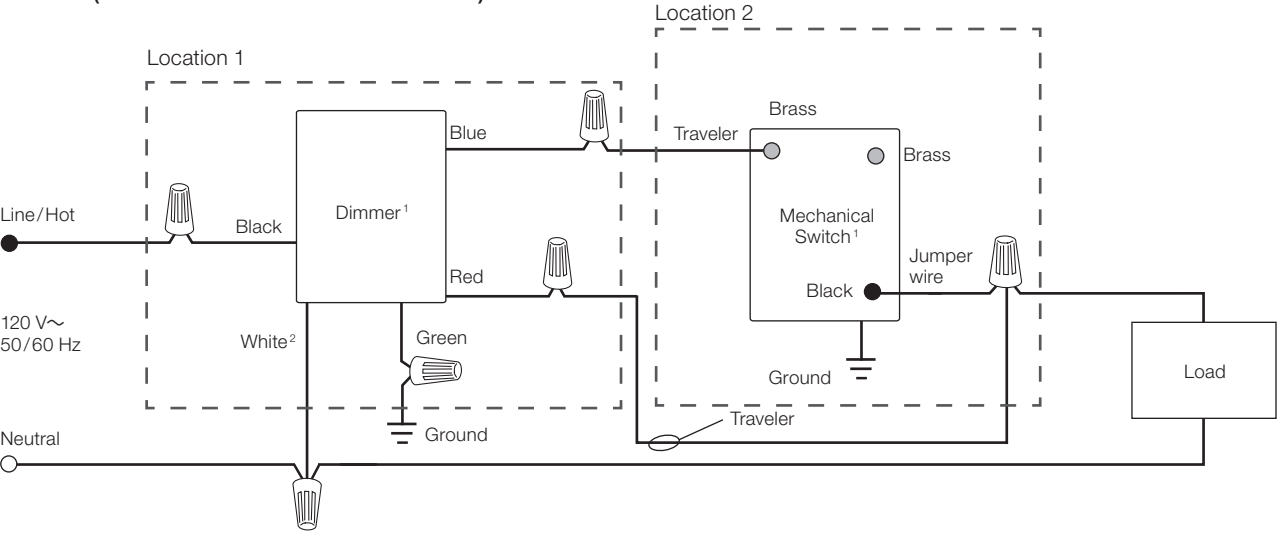
Wiring Diagrams (continued)

2-Location Wiring with a Mechanical Switch

Dimmer (load-side with a mechanical switch)



Dimmer (line-side with a mechanical switch)



¹ Location of the dimmer and the mechanical switch may be reversed.
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

Lutron, Claro, Diva, LED+, and any related trade dress and logos 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.

LUTRON SPECIFICATION SUBMITTAL		Page
Job Name:	Model Numbers:	
Job Number:		

Diva Phase-Selectable Dimmers

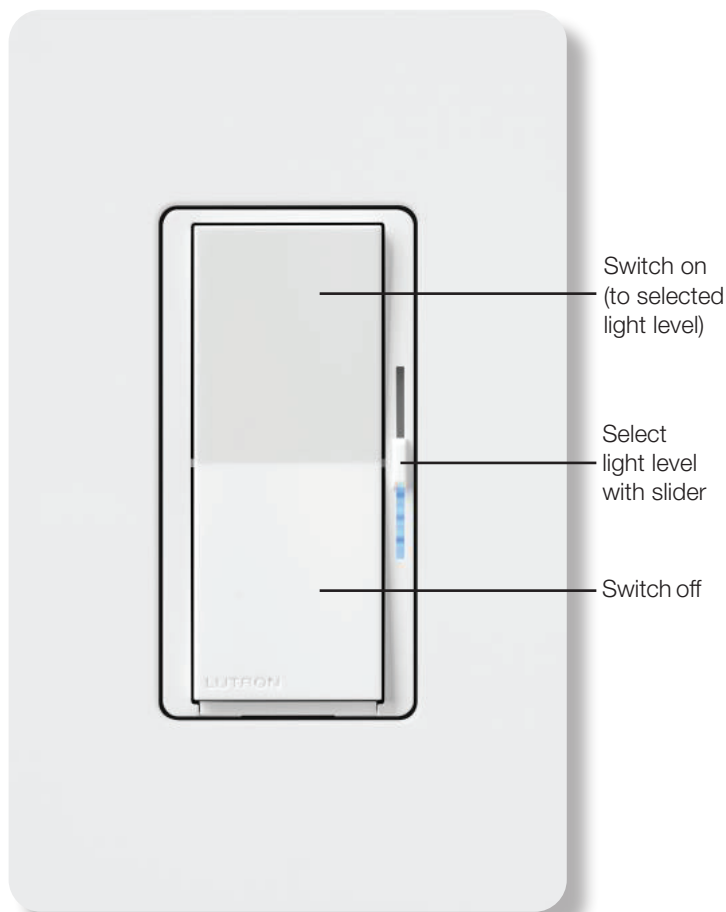
Phase-selectable technology for superior dimming of LED, ELV, MLV, incandescent and halogen lighting.

Features

- Large paddle switch with a captive, backlit, linear-slide dimmer for a standard designer wallplate opening.
- Advanced dimming technology designed for compatibility with a broader range of high-efficacy bulbs
- UL Listed to control:
 - Dimmable LED with integrated driver
 - Electronic Low-Voltage (ELV)
 - Magnetic Low-Voltage (MLV)
 - Dimmable compact fluorescent lamps (CFLs) with integrated ballast
 - Incandescent and halogen
- Neutral Optional for LED, Incandescent and halogen loads. See **Load Type and Capacity** table on page 4.
- Low-end adjustment to accommodate a wide range of bulbs and fixtures.
- Includes Front Accessible Service Switch (FASS) for safe lamp replacement.
- 100% factory tested.
- Coordinating Claro wallplate available separately.

Application Requirements

- **When dimming LEDs, 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 require a minimum number of bulbs for proper operation. For details and a list of bulbs, please visit www.lutron.com/LEDfinder



Wallplate sold separately

Model Numbers¹

DV-PRO-XX²	Diva PRO MAX LED+ dimmer	250 W LED, 500 W ELV/Incandescent, Single-pole / multi-location
DV-PS-WH³	Diva PRO LED+ dimmer	150 W LED, 300 W ELV/Incandescent, Single-pole / multi-location

¹ Model numbers may have an extra letter (e.g., DV-PROR-WH; DV-PSR-WH) to indicate different packaging.

² "XX" in the model number represents color/finish code. See **Colors and Finishes** on page 3.

³ DV-PS-WH is **ONLY** available in gloss white (WH)

LUTRON SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- cULus Listed
- NOM
- NEMA SSL-7A-2015 forward-phase compliant

Power and Ratings

- 120 V~ 50/60 Hz
- For load ratings, see **Load Type and Capacity** table on page 4
- For mixed bulb type please see **Multigang and Mixed Bulb Type Ratings** table (see page 5)

Environment

- For indoor use only
- Operating temperatures 32 °F to 104 °F (0 °C to 40 °C)
- Relative humidity: 0% to 90% non-condensing

Performance

- RTISS Equipped technology compensates in real time for incoming line-voltage variations (neutral connection required)
- Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
- For multi-location applications, use accessory switches (model number ST-AS). One dimmer can be used with up to 9 multi-location accessory switches.

Note: Total multi-location wire length (blue wire) between all units must not exceed 150 ft (45 m).

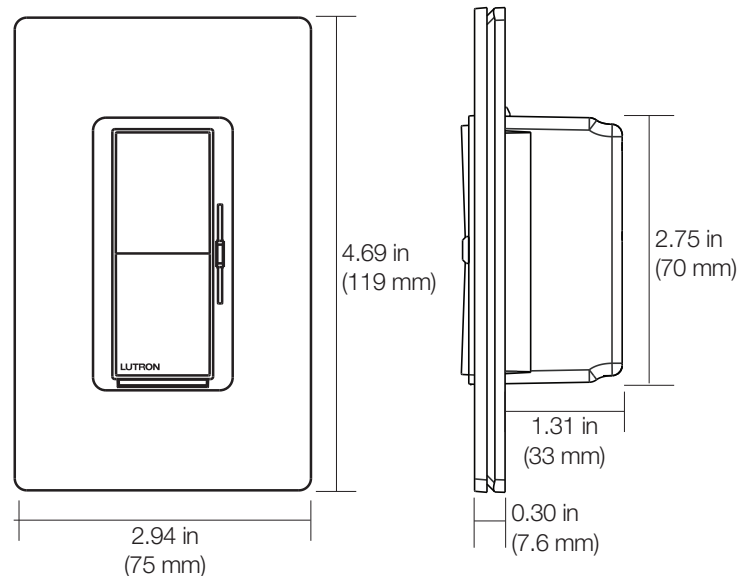
Note: For applications with only two-locations, one dimmer can be used with one mechanical switch.

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

Limited Warranty

- www.lutron.com/warranty or call 1.844.LUTRON1 for a printed copy.

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: DV-PRO-WH

NOTE: DV-PS-WH is **ONLY** available in gloss white (WH)

Gloss Finishes



White
WH



Ivory
IV



Almond
AL



Light Almond
LA



Gray
GR



Brown
BR



Black
BL

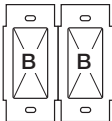
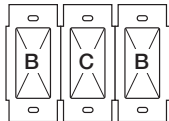
- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
 - Gloss Finishes: DG-CK-1
- For coordinating wallplates and accessories, visit lutron.com/claro

Job Name:

Model Numbers:

Job Number:

Load Type and Capacity

						
Load Type	Minimum Load ¹	A Not Ganged	B End of Gang	C Middle of Gang	Neutral Connection	Required Phase Mode
DV-PRO						
LED	1 LED	250 W	200 W	150 W	Optional ²	Either
MLV Transformer with LEDs	See Application Note #559 (P/N 048559) at www.lutron.com No Derating Required				Required	Forward
ELV Transformer with LEDs						Reverse
MLV Transformer with Halogen	N/A	400 VA (300 W)	No Derating Required			Forward
ELV Transformer with Halogen	N/A	500 W	400 W	300 W		Reverse
Incandescent/Halogen	10 W	500 W	400 W	300 W	Optional ²	Either
PHPM-PA/3F and GRX-TVI	1 interface	3 interfaces	No Derating Required		Required	Forward
DV-PS-WH						
LED	1 LED	150 W	No Derating Required		Optional ²	Either
MLV Transformer with LEDs	See Application Note #559 (P/N 048559) at www.lutron.com No Derating Required				Required	Forward
ELV Transformer with LEDs						Reverse
MLV Transformer with Halogen	N/A	250 VA (200 W)	No Derating Required			Forward
ELV Transformer with Halogen	N/A	300 W	No Derating Required			Reverse
Incandescent/Halogen	10 W	300 W	No Derating Required		Optional ²	Either

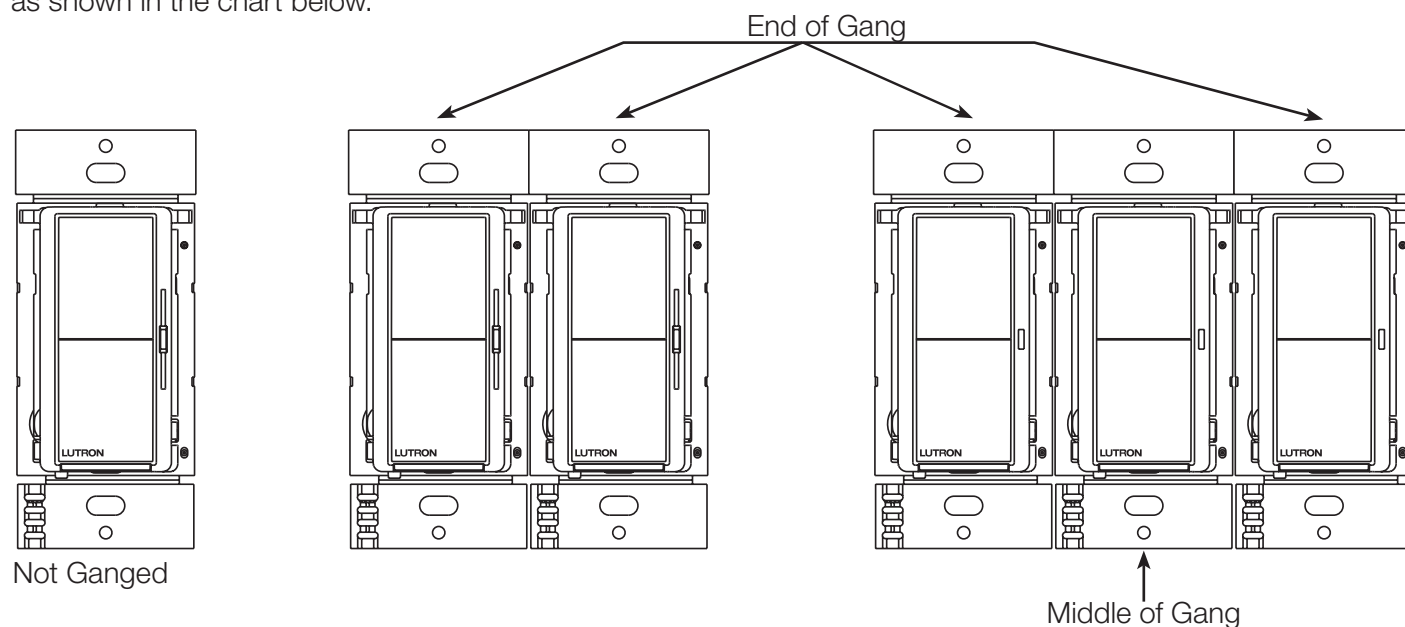
¹ There is no minimum load when neutral is connected.

² Neutral is recommended for best dimming performance, if available, but is not required for this load type.

Job Name:	Model Numbers:
Job Number:	

Multigang and Mixed Bulb Type Ratings

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



DV-PRO

Total LED Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage		
		Not ganged	End of gang	Middle of gang
0 W	+	500 W	400 W	300 W
1 W – 50 W	+	400 W	300 W	200 W
51 W – 100 W	+	300 W	200 W	100 W
101 W – 150 W	+	200 W	100 W	0 W
151 W – 200 W	+	100 W	0 W	
201 W – 250 W	+	0 W		

DV-PS

Total LED Wattage Installed (Wattage per bulb x # of bulbs)		Maximum Allowable Incandescent/Halogen Wattage		
		Not ganged	End of gang	Middle of gang
0 W	+	300 W	300 W	300 W
1 W – 50 W	+	200 W	200 W	200 W
51 W – 100 W	+	100 W	100 W	100 W
101 W – 150 W	+	0 W	0 W	0 W

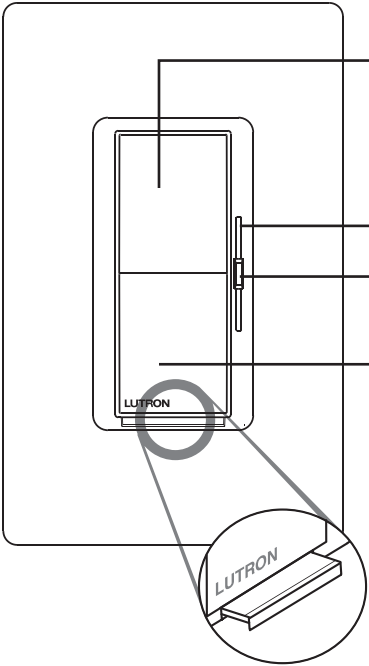
LUTRON SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Operation

Dimmer



On

- If lights are already On, push to go to full brightness
- If lights are Off, push to go to preset light level

Soft-glow light bar

Adjust

- Slide to adjust light level. This will not turn lights Off

Off

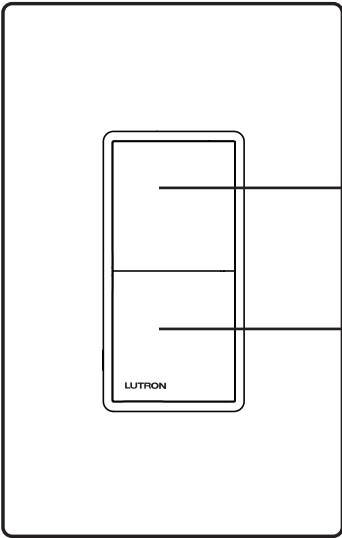
- Push to turn the lights off
- Press and hold for 1 second for delayed fade-to-off (lights turn off after 30-seconds)

FASS
Front Accessible Service Switch

FASS — Front Accessible Service Switch

Important Notice: To service load, remove power by pulling out the FASS as far as possible. To restore power after servicing load, push the FASS back in completely.

Accessory Switch



On

- If lights are already On, push to go to full brightness
- If lights are Off, push to go to preset light level

Off

- Push to turn the lights off
- Press and hold for 1 second for delayed fade-to-off (lights turn off after 30-seconds)

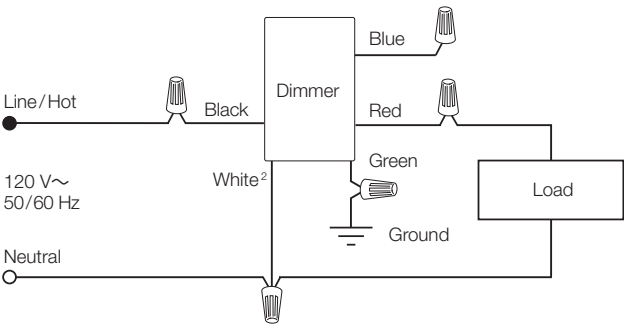
Advanced Programming Mode

Diva phase-selectable dimmers contain an Advanced Programming Mode (APM) that allows users to customize the control to meet their specific needs. For a detailed description of APM features and uses please refer to the Diva Pro Install (P/N 041966) at www.lutron.com

Available Advanced Features	
High-end trim	Select the maximum available light limit.
Low-end trim	Select the minimum available light limit.
Enable/Disable light bar	Select the brightness of the LEDs when the dimmer is Off.
Phase selection	Select between forward-phase and reverse-phase.

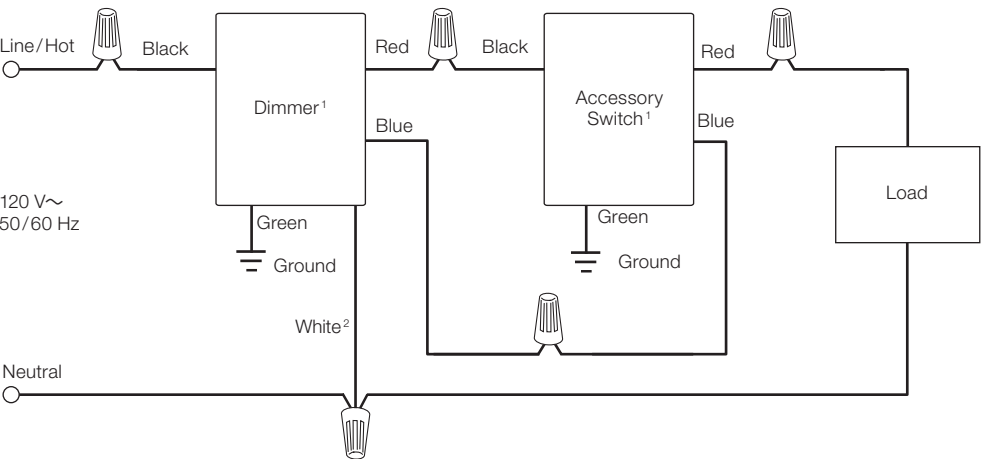
Wiring Diagrams

Single-Location Wiring

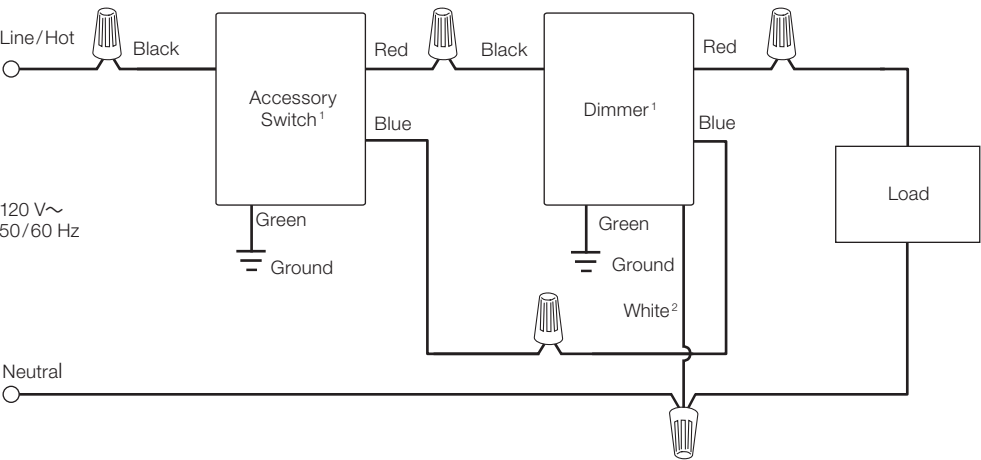


2-Location Wiring with Lutron Accessory Switch(es)

Dimmer (line side)



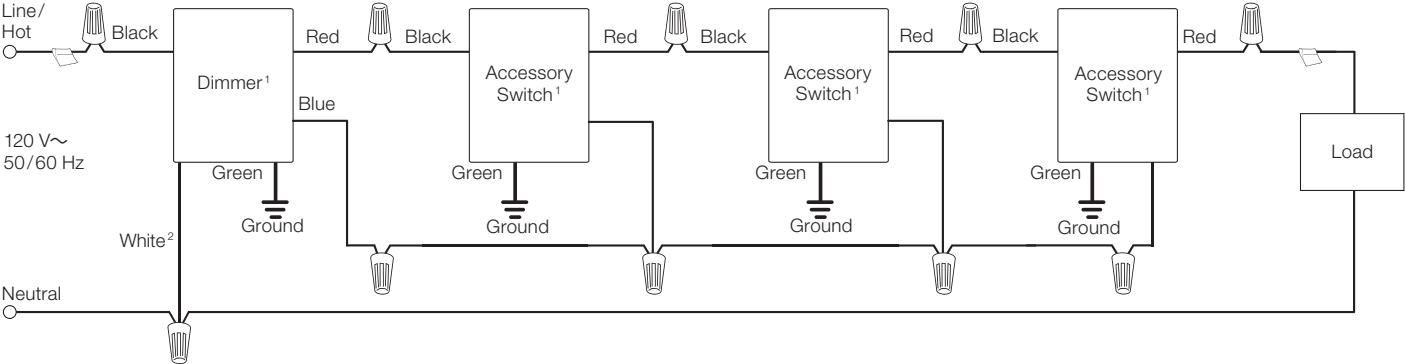
Dimmer (load side)



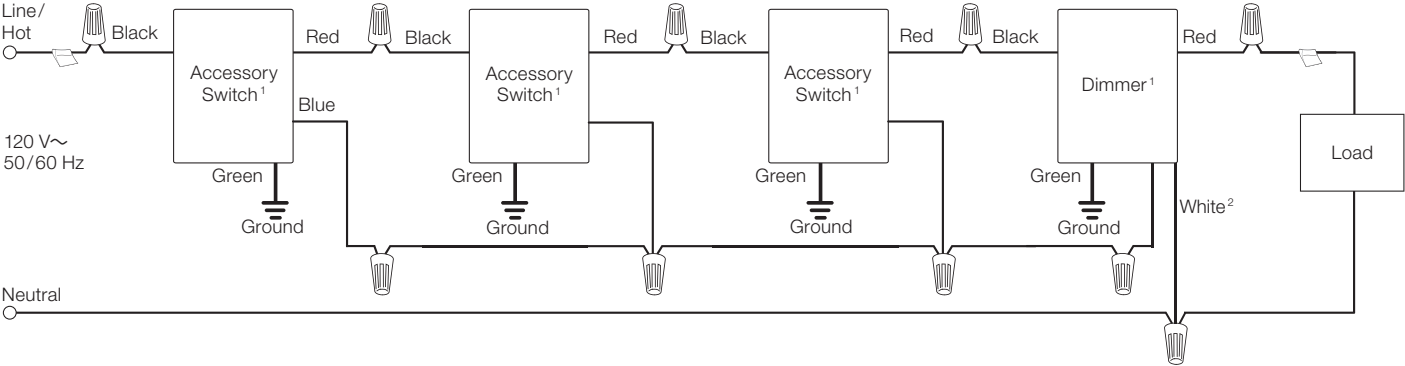
¹ Location of the dimmer and the accessory switch are reversible.
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

Wiring Diagrams (continued)
3 or more-Location Wiring with Lutron Accessory Switches

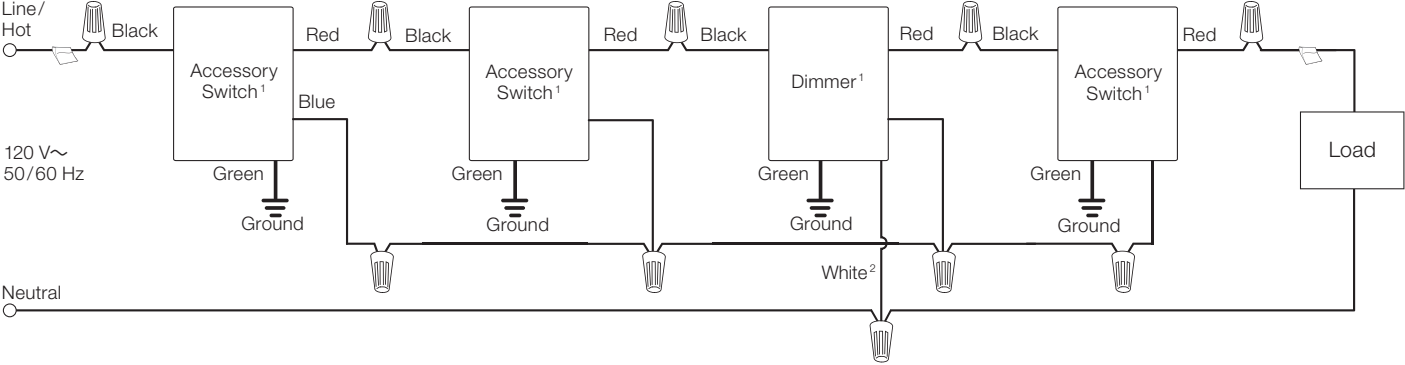
Dimmer (line side)



Dimmer (load side)



Dimmer (in the middle)

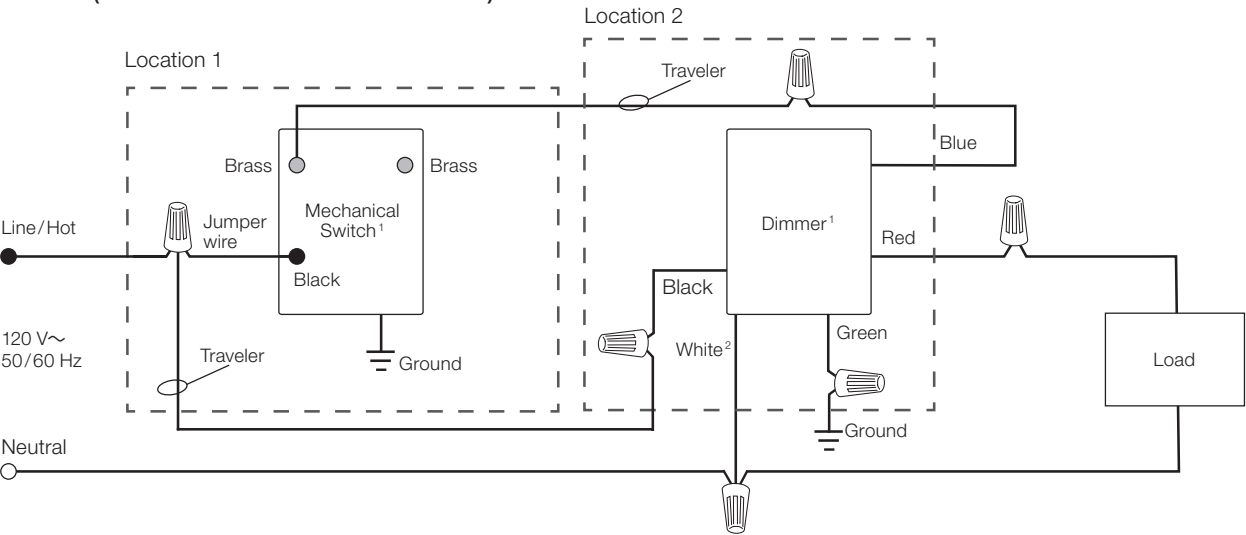


¹ The dimmer can be in any location shown.
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

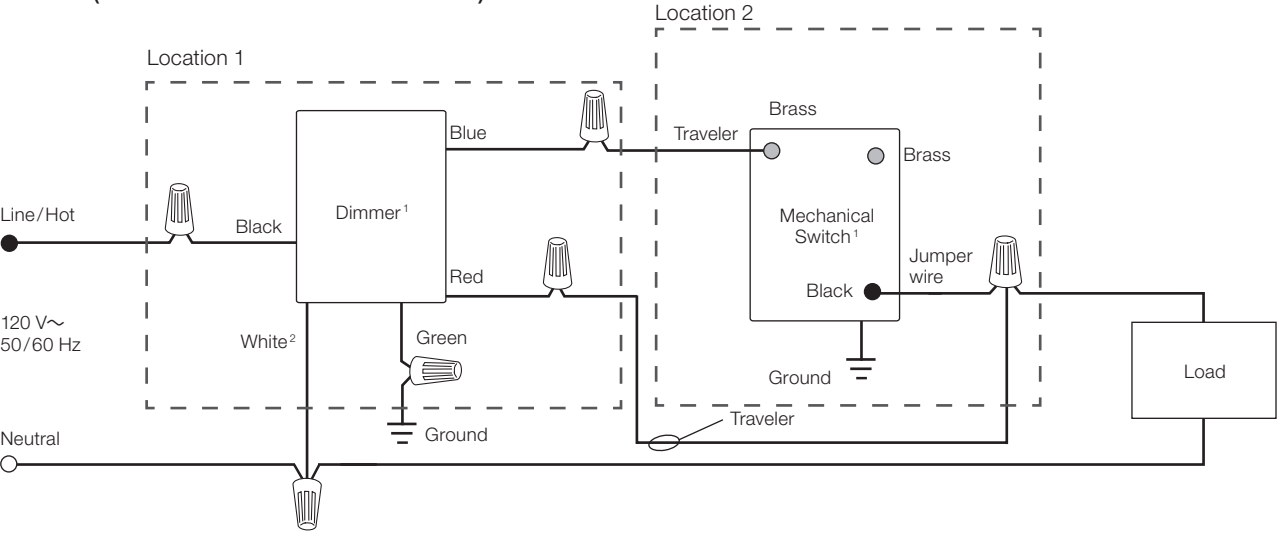
Wiring Diagrams (continued)

2-Location Wiring with a Mechanical Switch

Dimmer (load-side with a mechanical switch)



Dimmer (line-side with a mechanical switch)



¹ Location of the dimmer and the mechanical switch may be reversed.
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

Lutron, Claro, Diva, LED+, and any related trade dress and logos 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.

LUTRON SPECIFICATION SUBMITTAL		Page
Job Name:	Model Numbers:	
Job Number:		