

Diva Phase-Selectable Dimmers

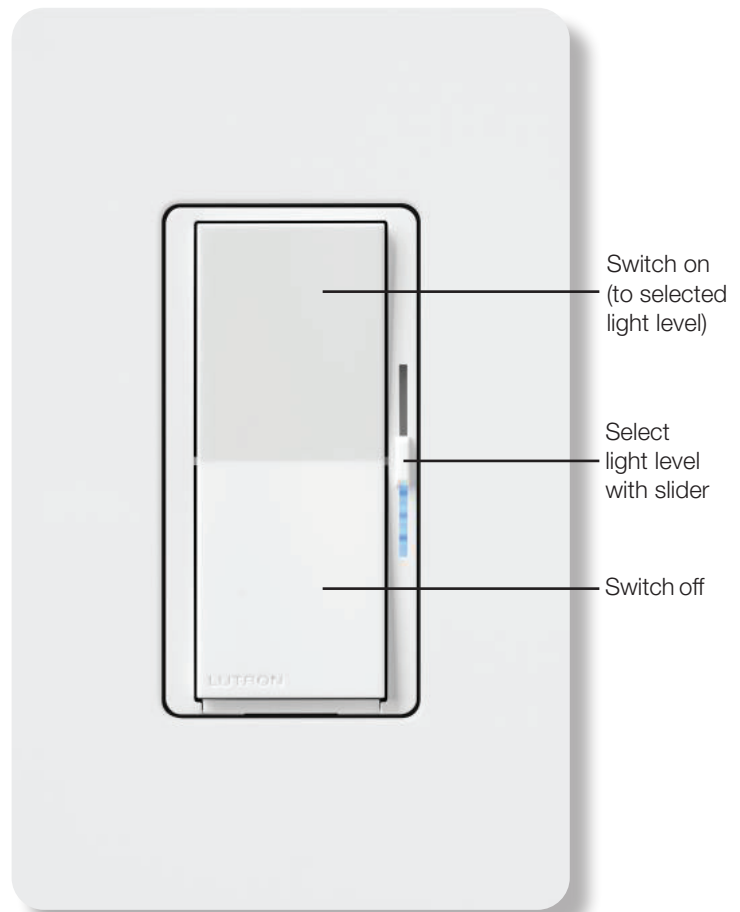
Phase-selectable technology for superior dimming of LED, ELV, MLV, incandescent and halogen lighting.

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)

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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).

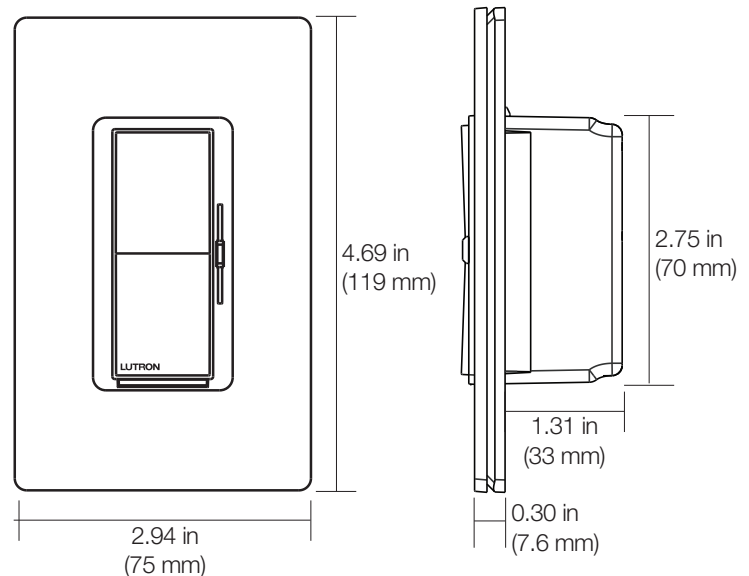
Note: For applications with only two-locations, one dimmer can be used with one mechanical switch.

- 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

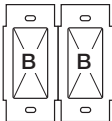
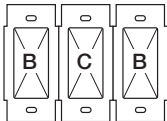
- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
 - Gloss Finishes: DG-CK-1
- For coordinating wallplates and accessories, visit lutron.com/claro

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

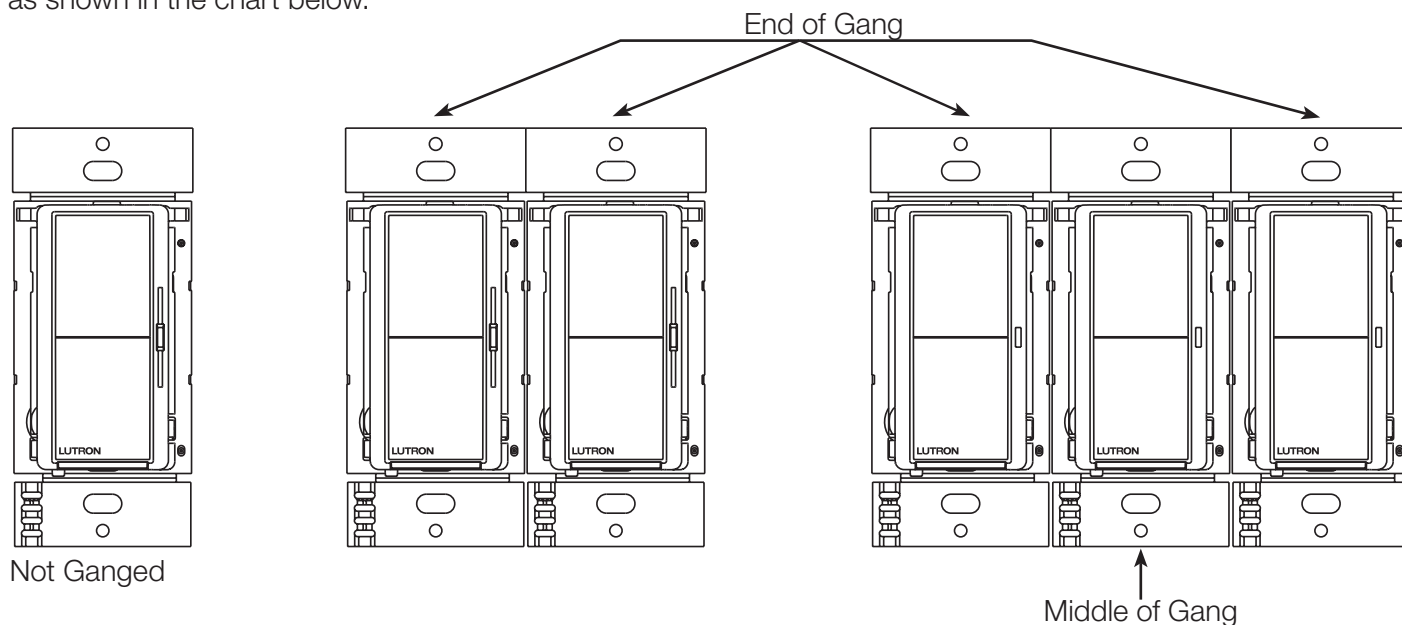
¹ There is no minimum load when neutral is connected.

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

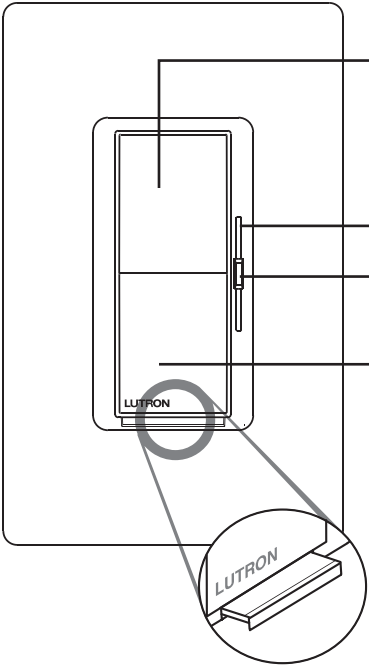
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Job Name:	Model Numbers:
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Operation

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

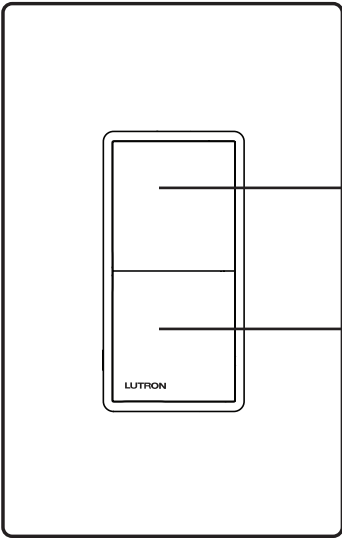
- Push to turn the lights off
- Press and hold for 1 second for delayed fade-to-off (lights turn off after 30-seconds)

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

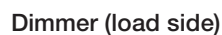
Diva phase-selectable dimmers contain an Advanced Programming Mode (APM) that allows users to customize the control to meet their specific needs. For a detailed description of APM features and uses please refer to the Diva Pro Install (P/N 041966) at www.lutron.com

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.

Single-Location Wiring



Dimmer (line side)



Job Name:	Model Numbers:
Job Number:	

3 or more-Location Wiring with Lutron Accessory Switches

The diagram illustrates a 120 V AC circuit with a 50/60 Hz supply. The main power lines are labeled "Line/Hot" and "Neutral". The "Line/Hot" line is connected to a "Dimmer¹" and a series of three "Accessory Switch¹" units. The "Neutral" line is connected to the bottom terminals of all switches and the "Load".

The "Dimmer¹" has a "Black" line to the "Line/Hot" and a "White²" line to the "Neutral". It also has a "Green" line to "Ground". The "Accessory Switch¹" units have a "Red" line to the "Line/Hot" and a "Black" line to the "Neutral". They also have a "Green" line to "Ground".

The "Load" is connected to the "Red" line of the third "Accessory Switch¹".

The diagram shows the following components and connections:

- Dimmer¹:**
 - Input: Black (Line/Hot)
 - Output: White² (Neutral)
 - Ground: Green
- Accessory Switch¹ (Three units):**
 - Input: Red (Line/Hot)
 - Output: Black (Neutral)
 - Ground: Green
- Load:**
 - Input: Red (from the third Accessory Switch¹)
 - Output: Black (Neutral)

This diagram illustrates a 120 V AC wiring system. The main power source is labeled "120 V~ 50/60 Hz". The system includes a "Line/Hot" wire (black) and a "Neutral" wire (white). The wiring sequence is as follows:

- The "Line/Hot" wire enters the first "Accessory Switch¹".
- The "Accessory Switch¹" has a "Blue" wire connected to the "Neutral" line and a "Green" wire connected to "Ground".
- The "Accessory Switch¹" is connected to the second "Accessory Switch¹".
- The second "Accessory Switch¹" has a "Green" wire connected to "Ground".
- The second "Accessory Switch¹" is connected to the third "Accessory Switch¹".
- The third "Accessory Switch¹" has a "Green" wire connected to "Ground".
- The third "Accessory Switch¹" is connected to the "Dimmer¹".
- The "Dimmer¹" has a "Green" wire connected to "Ground".
- The "Dimmer¹" is connected to the "Load".
- The "Load" is connected to the "Neutral" line.

120 V~
50/60 Hz

Line/Hot

Black

Red

Black

Red

Black

Red

Black

Red

Accessory Switch¹

Accessory Switch¹

Dimmer¹

Accessory Switch¹

Load

Blue

Green

Ground

Green

Ground

Green

Ground

Green

Ground

White²

Neutral

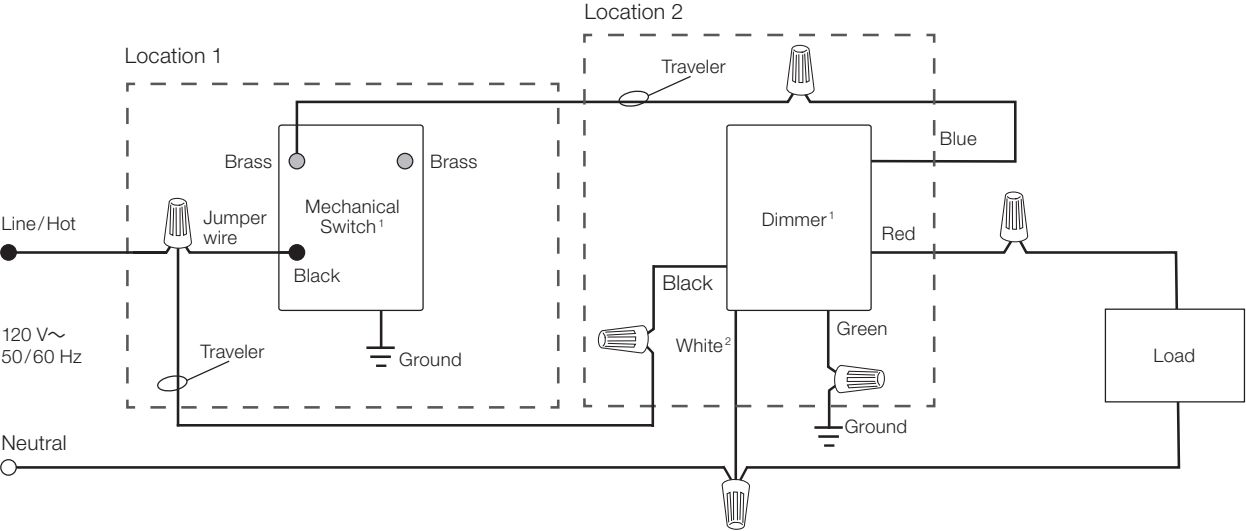
² If no neutral is available and the load-type is neutral optional, cap the white terminal and do not connect it to any other wiring or to ground.

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Job Number:	

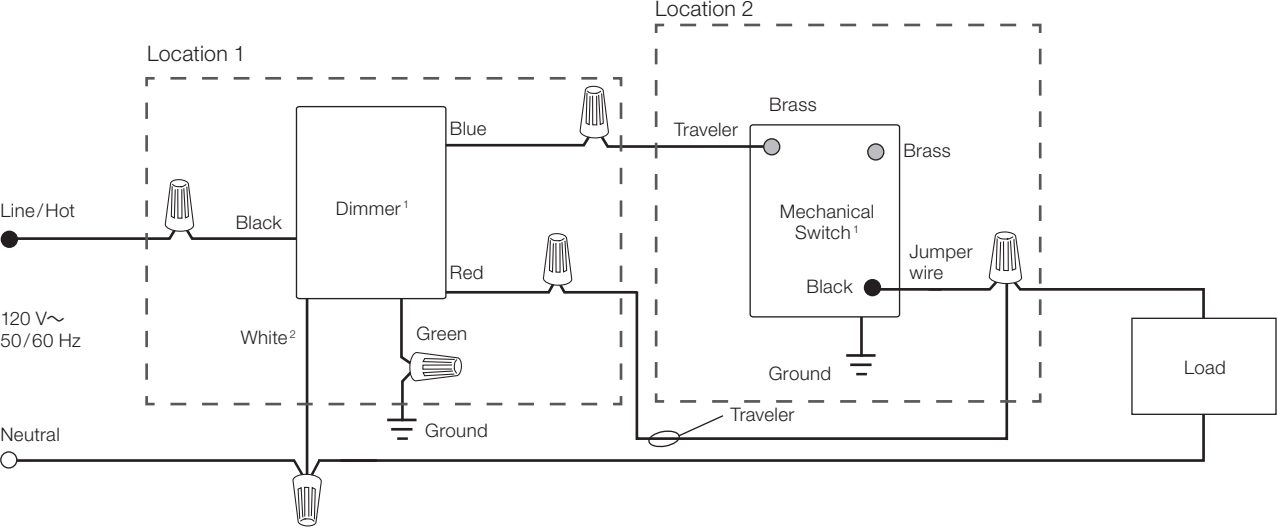
Wiring Diagrams (continued)

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.

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