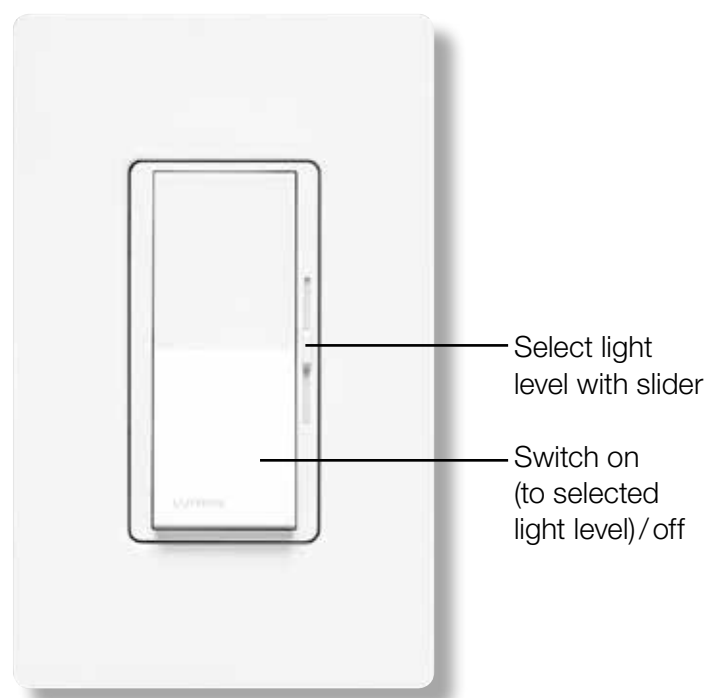


Diva 0–10 V Controls

Controls for 0–10 V LED drivers and fluorescent ballasts.

Features

- Large paddle switch with a captive linear-slide control for a standard designer-opening wallplate.
- 0–10 V control link controls third party fixtures.
- DVSTV- wires as single pole or 3-way, 120–277 V~ switch.
- DVTV- wires as a 24 V= switch. A power pack is required to switch 120–277 V~ and 347 V~.
- Patented switching technology extends product lifetime.
- Coordinating Claro wallplates¹ (available separately).
- High-end and low-end trim user is adjustable for optimal performance.



Diva 0–10 V Control

Model Numbers

Model Number	Operating Voltage	Wiring	Load Switching Capacity	0–10 V Sink Capacity
DVSTV-XX ²	120–277 V~	Single-pole/3-way ⁵	8 A	50 mA
DVSCSTV-YY ⁴				
DVSTV-453PH-WH ¹	120–277 V~	Single-pole/3-way ⁵	450 W 3.75 A (120 V~) 1.62 A (277 V~)	50 mA
DVSTV-453PH-WH-C ^{1,3}				
DVTV-XX ²	24 V=	Single-pole/3-way ⁷	0 A ⁶	30 mA
DVSCTV-YY ⁴				

¹ DVSTV-453PH-WH and DVSTV-453PH-WH-C available in white gloss only.

² “XX” in the model number represents gloss finish color code. See **Colors and Finishes** section.

³ Clamshell packaged product for Canada.

⁴ “YY” in the model number represents satin finish color code. See **Colors and Finishes** section.

⁵ For 3-way switching, use Claro switches or other mechanical switches.

⁶ A Lutron power pack (PP-DV or PP-347H) is required for switching ballasts and drivers. For Lutron power pack specification, please see Lutron P/N 369544 at www.lutron.com

⁷ 24 V= single-pole double-throw (SPDT) switch, supplied by others, must be rated for dry contacts.

LUTRON SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Specifications

DVSTV- Models

Regulatory Approvals

- cULus Listed
- NOM

Power

Operating Voltage

120–277 V~ 50/60 Hz

Output Ratings

- Switch rating of 8 A.
- 0–10 V control link for 50 mA maximum output (sink only).

0–10 V Control Link

- 0–10 V control link is Class 1.
- Controls up to 25 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).

Performance

- Power pack cannot be used with DVSTV- models.
- Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver loads of 8 A steady state current.
- Adjustable high-end and low-end trim for optimal dimming performance.
- Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
- Captive linear slider.
- Precise color matching.

Environment

- For indoor use only.
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing.

Application Requirements

- No derating required if ganged.
- Night light not available.
- Always consult local wiring codes.

Warranty

- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:

Model Numbers:

Job Number:

Specifications *(continued)*

DVSTV-453PH-WH Model

Regulatory Approvals

- cULus Listed
- NOM

Power

Operating Voltage

120–277 V~ 50/60 Hz

Output Ratings

- Switch rating of 450 W.
- 0–10 V control link for 50 mA maximum output (sink only).

0–10 V Control Link

- 0–10 V control link is Class 1.
- Controls up to 25 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).

Performance

- Power pack cannot be used with DVSTV- models.
- Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver loads of 8 A steady state current.
- Adjustable high-end and low-end trim for optimal dimming performance.
- Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
- Captive linear slider.
- Precise color matching.

Environment

- For indoor use only.
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing.

Application Requirements

- No derating required if ganged.
- Night light not available.
- Always consult local wiring codes.

Warranty

- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:

Model Numbers:

Job Number:

Specifications *(continued)*

DVTV- and DVSCTV- Models

Power

Operating Voltage

24 V $\overline{=}$ 100 mA

Output Ratings

- Power pack required for load switching. Power pack is rated for 16 A.
- 30 mA maximum output (sink only).

0–10 V Control Link

- 0–10 V control is Class 2.
- Controls up to 15 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).

Performance

- For 120–277 V $\sim$ installations switching more than 8 A, use DVTV- with Lutron power pack (PP-DV). See Lutron P/N 369544 at www.lutron.com
- For 347 V $\sim$ installations, use DVTV- with Lutron power pack (PP-347H) See Lutron P/N 369544 at www.lutron.com
- Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2.
- Adjustable high-end and low-end trim for optimal dimming performance.
- Power failure memory: should power be interrupted, the 0–10 V $\overline{=}$ signal will return to its previously set level prior to the interruption when power is restored.
- Captive linear slider.
- Precise color matching.

Environment

- For indoor use only.
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing.

Application Requirements

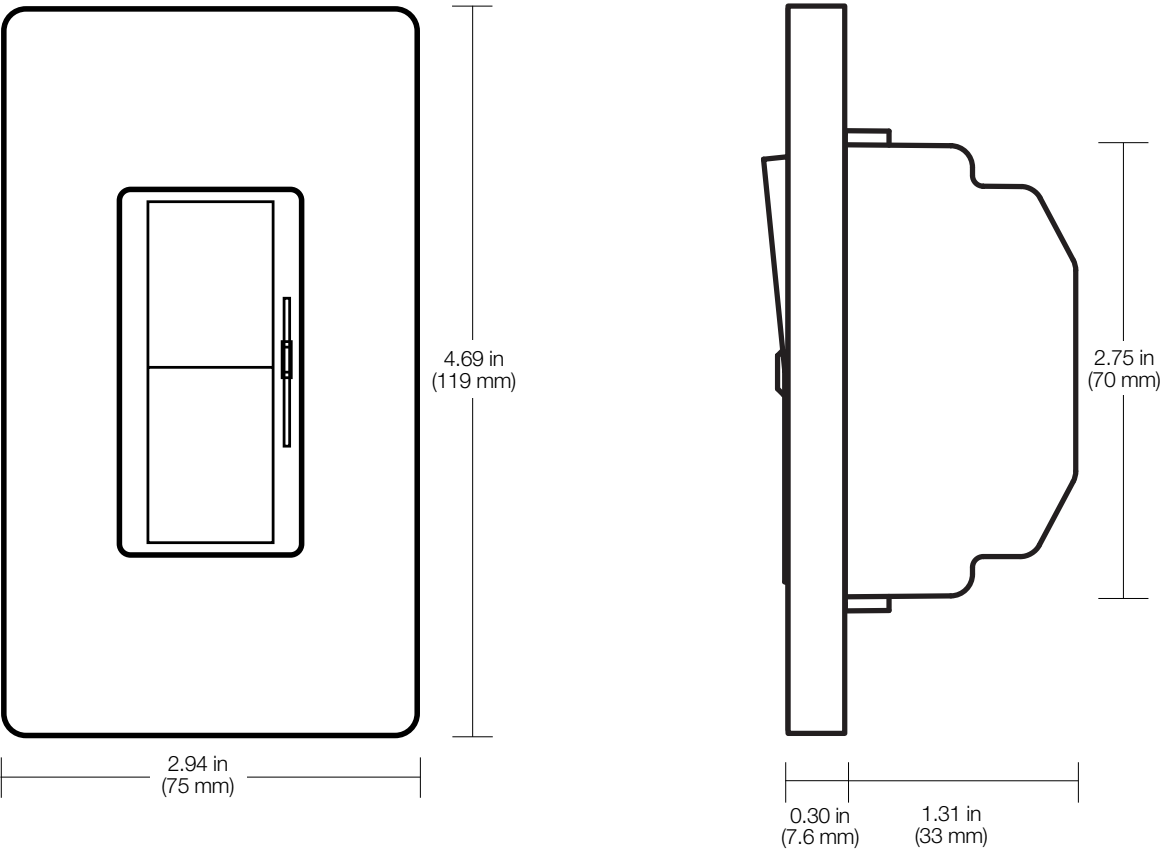
- No derating required if ganged.
- Night light not available.
- Always consult local wiring codes.

Warranty

- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:	Model Numbers:
Job Number:	

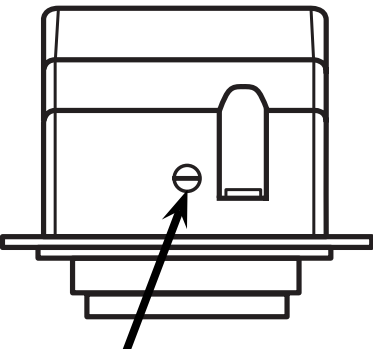
Dimensions



High-End and Low-End Adjustments

DVSTV- Models

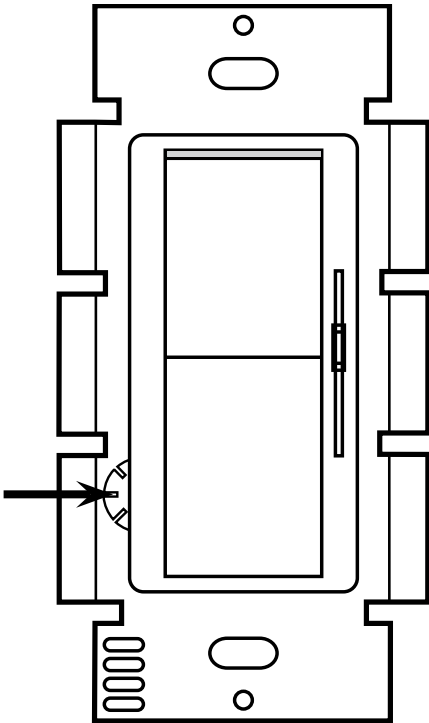
Bottom View



Maximum Light Level
(High-End) Trim

All Models

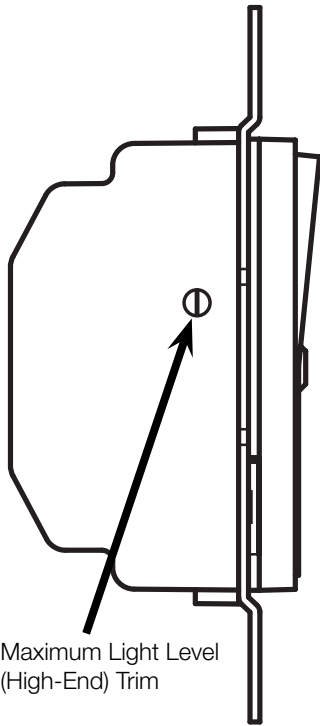
Front View



Minimum Light Level
(Low-End) Trim

DVTV- and DVSCTV- Models

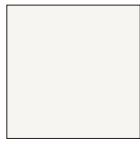
Side View



Maximum Light Level
(High-End) Trim

Colors and Finishes

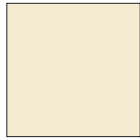
Gloss Finishes*



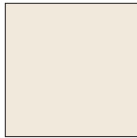
White
WH



Ivory
IV



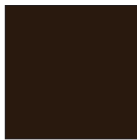
Almond
AL



Light Almond
LA



Gray
GR



Brown
BR



Black
BL

Satin Finishes



Brilliant White
BW



Glacier White
GL



Snow
SW



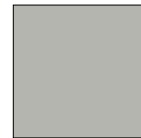
Architectural
White
RW



Lunar Gray
LG



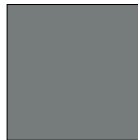
Mist
MI



Pebble
PB



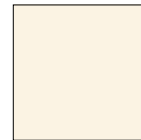
Cobblestone
CS



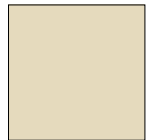
Slate
SL



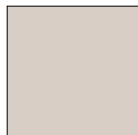
Midnight
MN



Biscuit
BI



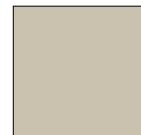
Sand
SD



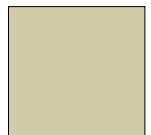
Taupe
TP



Pumice
PM



Clay
CY



Sage
SA



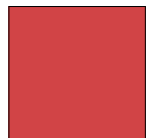
Espresso
EP



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

*DVSTV-453PH-WH and DVSTV-453PH-WH-C available in white gloss only.

Continued on next page...

Job Name:	Model Numbers:
Job Number:	

Colors and Finishes *(continued)*

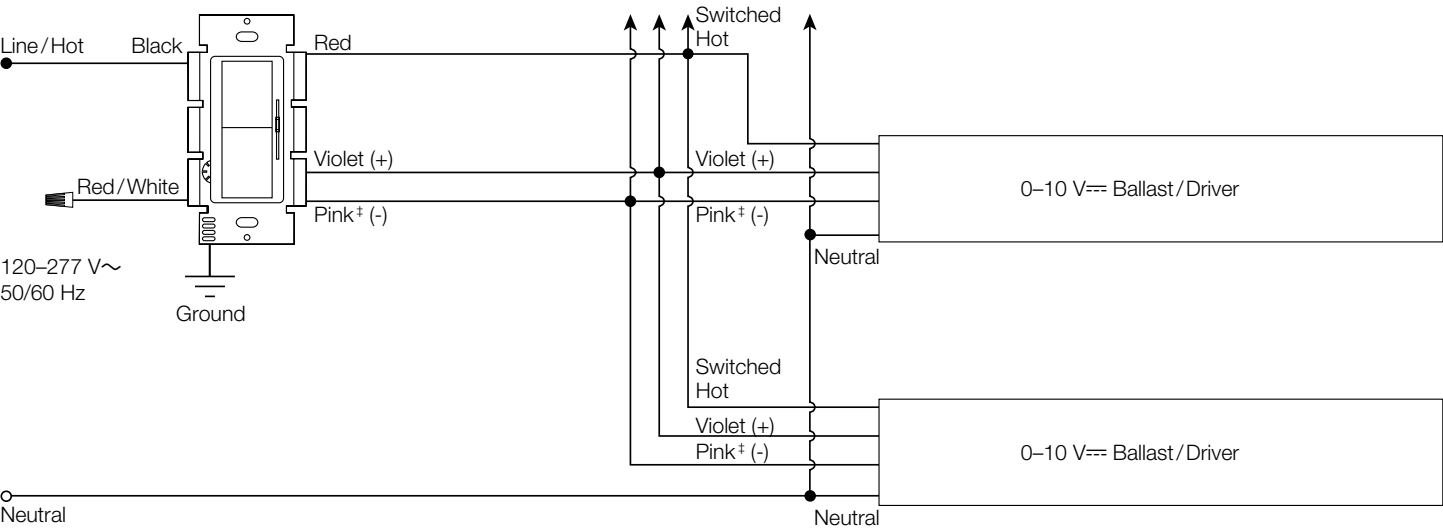
Satin Colors (while supplies last)

			
Hot HT	Merlot MR	Plum PL	Palladium PD
			
Eggshell ES	Sienna SI	Terracotta TC	Greenbriar GB
			
Bluestone BG	Mocha Stone MS	Goldstone GS	Desert Stone DS
			
Stone ST	Limestone LS		

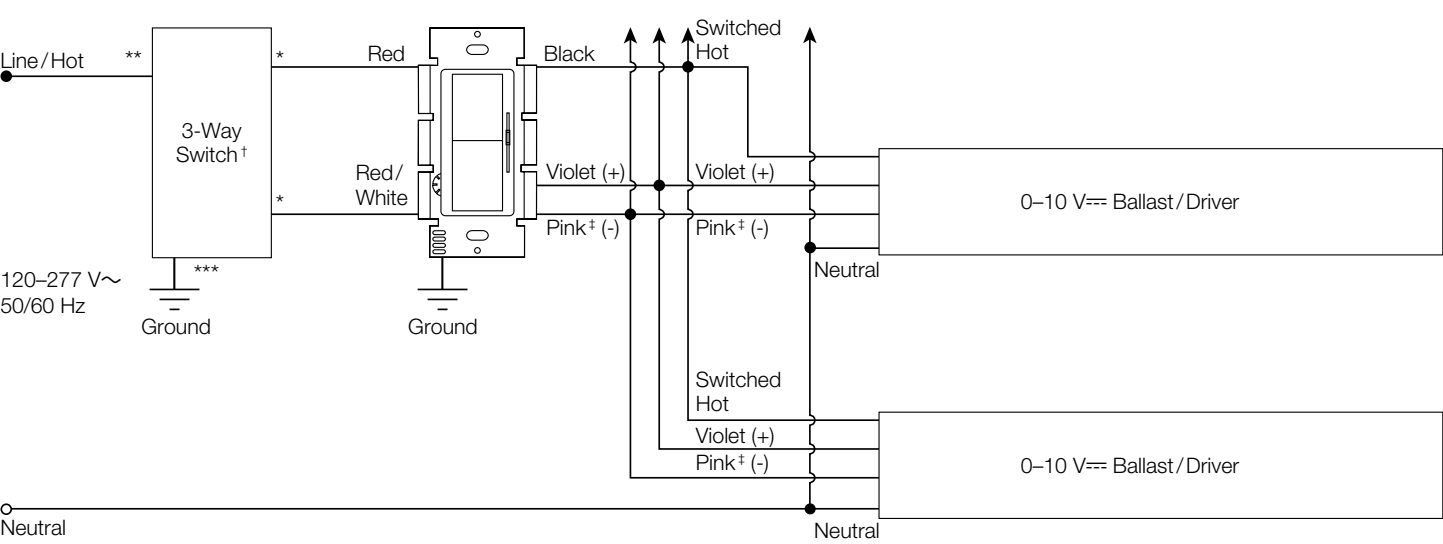
- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
Satin Colors: SC-CK-1 (while supplies last)

Wiring Diagrams
DVSTV- /DVSCSTV-

Single-Pole Wiring



3-Way Wiring

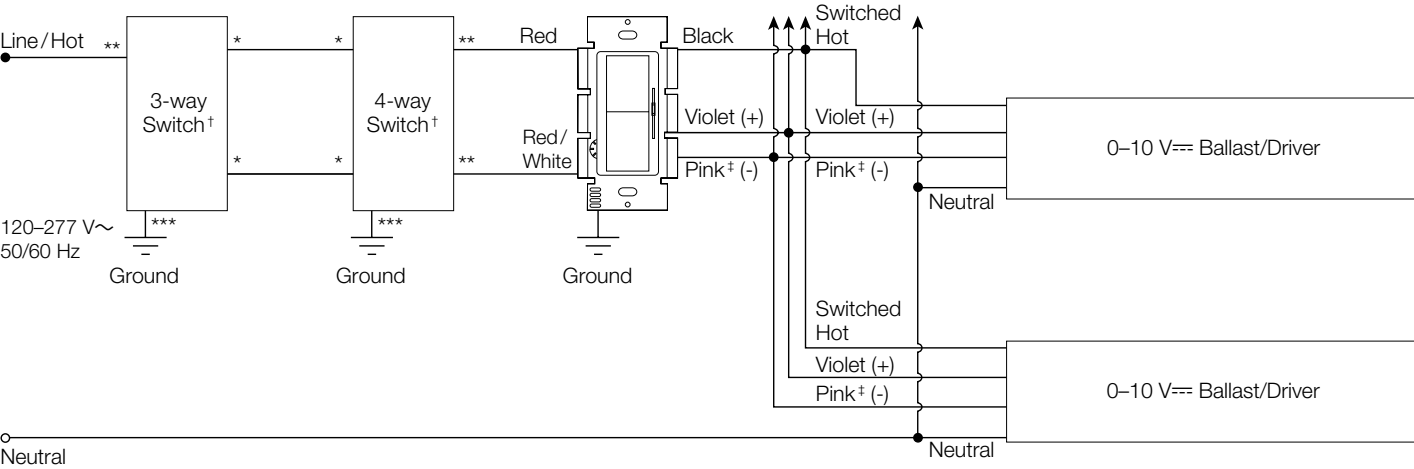


* Copper/Black screw terminal
** Brass/Gold screw terminal
*** Green screw terminal
† For proper wiring, please refer to installation instructions for 3-way switch.
‡ This wire/terminal may be gray on older products or in retrofit applications.

Wiring Diagrams
(continued)

DVSTV- /DVSCSTV-
(continued)

4-Way Wiring



Note: For 4-way wiring, control must be installed line side or load side. It cannot be installed in the 4-way location.

* Copper/Black screw terminal

** Brass/Gold screw terminal

*** Green screw terminal

† For proper wiring, please refer to installation instructions for 3-way/4-way switch.

‡ This wire/terminal may be gray on older products or in retrofit applications.

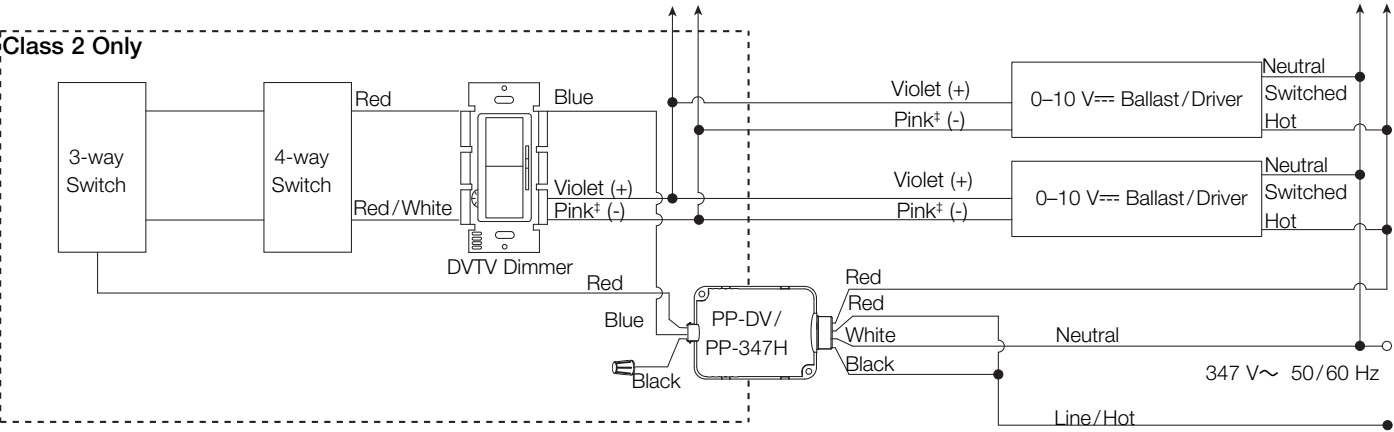
Wiring Diagram Using a Power Pack

Job Number:

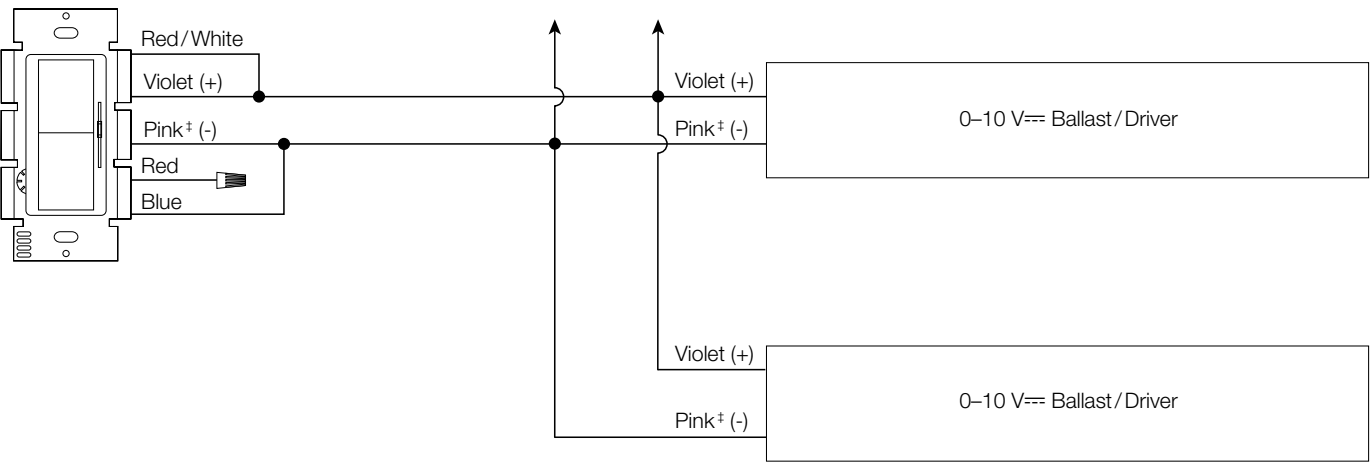
Wiring Diagrams (continued)
DVTv- and DVSCTv-

Dimming With ON/OFF Control
Wiring Diagram Using a Power Pack (continued)

4-Way Wiring



Dimming With ON/OFF Control For Drivers Which Support Dim To OFF Capability
Power Wiring Not Shown—See Lighting Device For Wiring



This wiring diagram is used when the fixture/ballast/driver is "dim to OFF" and complies with ANSI C137.1. With this wiring setup, the line voltage power is constantly supplied to the fixture/ballast/driver and the paddle switch on the Diva dimmer brings the 0–10 V signal to 0 V when in the off position.

† This wire/terminal may be gray on older products or in retrofit applications.

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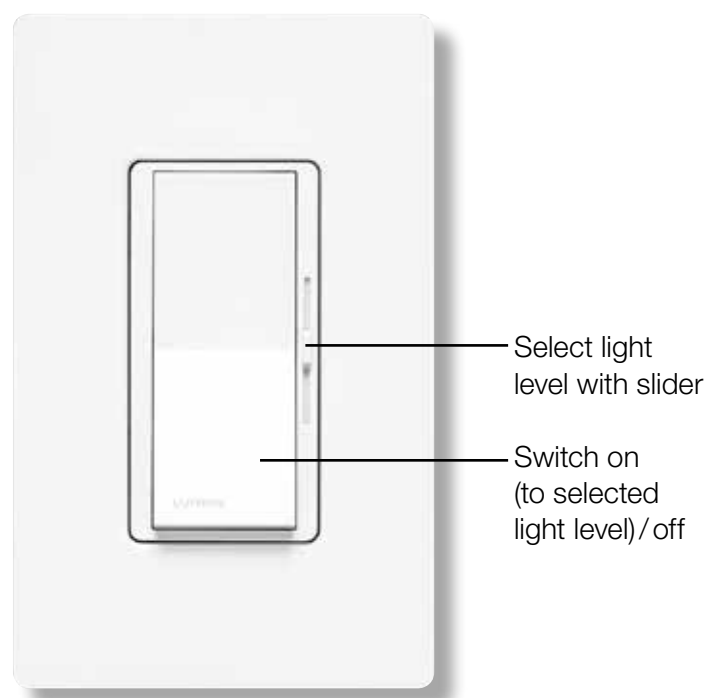
LUTRON SPECIFICATION SUBMITTAL		Page
Job Name:	Model Numbers:	
Job Number:		

Diva 0–10 V Controls

Controls for 0–10 V LED drivers and fluorescent ballasts.

Features

- Large paddle switch with a captive linear-slide control for a standard designer-opening wallplate.
- 0–10 V control link controls third party fixtures.
- DVSTV- wires as single pole or 3-way, 120–277 V~ switch.
- DVTV- wires as a 24 V= switch. A power pack is required to switch 120–277 V~ and 347 V~.
- Patented switching technology extends product lifetime.
- Coordinating Claro wallplates¹ (available separately).
- High-end and low-end trim user is adjustable for optimal performance.



Diva 0–10 V Control

Model Numbers

Model Number	Operating Voltage	Wiring	Load Switching Capacity	0–10 V Sink Capacity
DVSTV-XX ²	120–277 V~	Single-pole/3-way ⁵	8 A	50 mA
DVSCSTV-YY ⁴				
DVSTV-453PH-WH ¹	120–277 V~	Single-pole/3-way ⁵	450 W 3.75 A (120 V~) 1.62 A (277 V~)	50 mA
DVSTV-453PH-WH-C ^{1,3}				
DVTV-XX ²	24 V=	Single-pole/3-way ⁷	0 A ⁶	30 mA
DVSCTV-YY ⁴				

¹ DVSTV-453PH-WH and DVSTV-453PH-WH-C available in white gloss only.

² “XX” in the model number represents gloss finish color code. See **Colors and Finishes** section.

³ Clamshell packaged product for Canada.

⁴ “YY” in the model number represents satin finish color code. See **Colors and Finishes** section.

⁵ For 3-way switching, use Claro switches or other mechanical switches.

⁶ A Lutron power pack (PP-DV or PP-347H) is required for switching ballasts and drivers. For Lutron power pack specification, please see Lutron P/N 369544 at www.lutron.com

⁷ 24 V= single-pole double-throw (SPDT) switch, supplied by others, must be rated for dry contacts.

LUTRON SPECIFICATION SUBMITTAL

Page

Job Name:	Model Numbers:
Job Number:	

Specifications

DVSTV- Models

Regulatory Approvals

- cULus Listed
- NOM

Power

Operating Voltage

120–277 V~ 50/60 Hz

Output Ratings

- Switch rating of 8 A.
- 0–10 V control link for 50 mA maximum output (sink only).

0–10 V Control Link

- 0–10 V control link is Class 1.
- Controls up to 25 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).

Performance

- Power pack cannot be used with DVSTV- models.
- Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver loads of 8 A steady state current.
- Adjustable high-end and low-end trim for optimal dimming performance.
- Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
- Captive linear slider.
- Precise color matching.

Environment

- For indoor use only.
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing.

Application Requirements

- No derating required if ganged.
- Night light not available.
- Always consult local wiring codes.

Warranty

- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:

Model Numbers:

Job Number:

Specifications *(continued)*

DVSTV-453PH-WH Model

Regulatory Approvals

- cULus Listed
- NOM

Power

Operating Voltage

120–277 V~ 50/60 Hz

Output Ratings

- Switch rating of 450 W.
- 0–10 V control link for 50 mA maximum output (sink only).

0–10 V Control Link

- 0–10 V control link is Class 1.
- Controls up to 25 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).

Performance

- Power pack cannot be used with DVSTV- models.
- Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2, and whose inrush current does not exceed NEMA410 standards for electronic ballast/driver loads of 8 A steady state current.
- Adjustable high-end and low-end trim for optimal dimming performance.
- Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
- Captive linear slider.
- Precise color matching.

Environment

- For indoor use only.
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing.

Application Requirements

- No derating required if ganged.
- Night light not available.
- Always consult local wiring codes.

Warranty

- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:

Model Numbers:

Job Number:

Specifications *(continued)*

DVTV- and DVSCTV- Models

Power

Operating Voltage

24 V $\overline{=}$ 100 mA

Output Ratings

- Power pack required for load switching. Power pack is rated for 16 A.
- 30 mA maximum output (sink only).

0–10 V Control Link

- 0–10 V control is Class 2.
- Controls up to 15 ballasts or drivers (IEC 60929 Annex E.2 requires the ballast/driver to limit the current draw to 2.0 mA maximum).

Performance

- For 120–277 V $\sim$ installations switching more than 8 A, use DVTV- with Lutron power pack (PP-DV). See Lutron P/N 369544 at www.lutron.com
- For 347 V $\sim$ installations, use DVTV- with Lutron power pack (PP-347H) See Lutron P/N 369544 at www.lutron.com
- Works with all ballasts and drivers that provide a current source compliant to IEC 60629 Annex E.2.
- Adjustable high-end and low-end trim for optimal dimming performance.
- Power failure memory: should power be interrupted, the 0–10 V $\overline{=}$ signal will return to its previously set level prior to the interruption when power is restored.
- Captive linear slider.
- Precise color matching.

Environment

- For indoor use only.
- Ambient operating temperature: 32 °F to 104 °F (0 °C to 40 °C), 0% to 90% humidity, non-condensing.

Application Requirements

- No derating required if ganged.
- Night light not available.
- Always consult local wiring codes.

Warranty

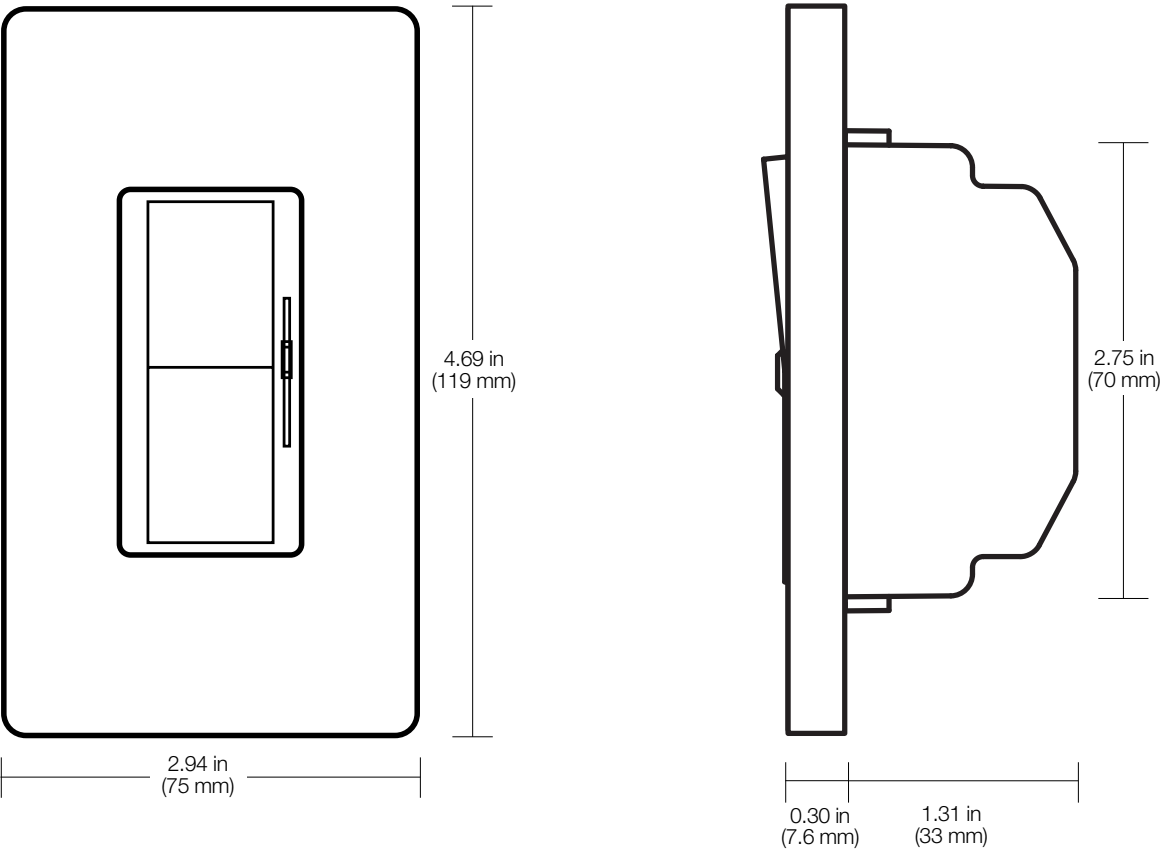
- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:

Model Numbers:

Job Number:

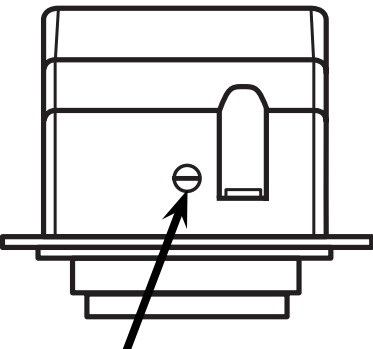
Dimensions



High-End and Low-End Adjustments

DVSTV- Models

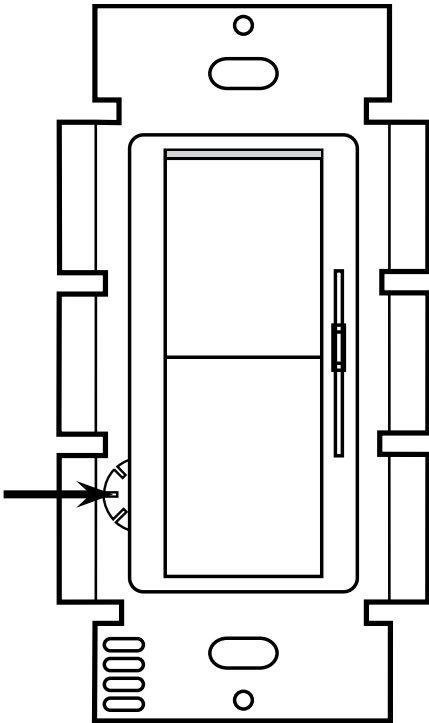
Bottom View



Maximum Light Level
(High-End) Trim

All Models

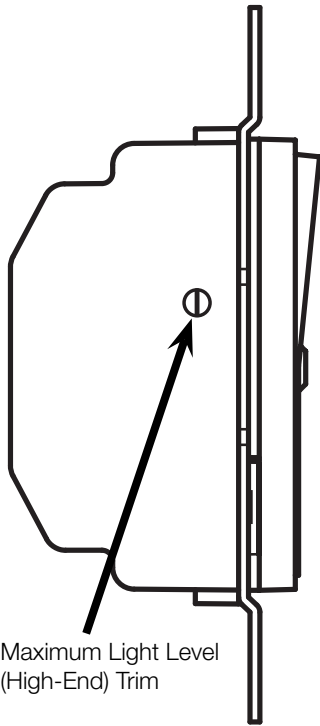
Front View



Minimum Light Level
(Low-End) Trim

DVTV- and DVSCTV- Models

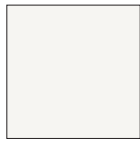
Side View



Maximum Light Level
(High-End) Trim

Colors and Finishes

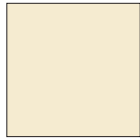
Gloss Finishes*



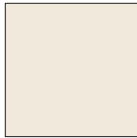
White
WH



Ivory
IV



Almond
AL



Light Almond
LA



Gray
GR



Brown
BR



Black
BL

Satin Finishes



Brilliant White
BW



Glacier White
GL



Snow
SW



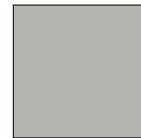
Architectural
White
RW



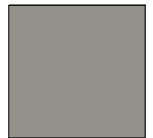
Lunar Gray
LG



Mist
MI



Pebble
PB



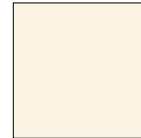
Cobblestone
CS



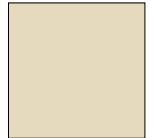
Slate
SL



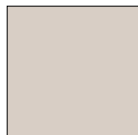
Midnight
MN



Biscuit
BI



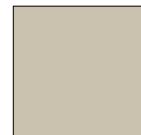
Sand
SD



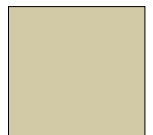
Taupe
TP



Pumice
PM



Clay
CY



Sage
SA



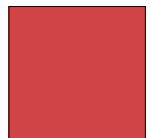
Espresso
EP



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

*DVSTV-453PH-WH and DVSTV-453PH-WH-C available in white gloss only.

Continued on next page...

Job Name:	Model Numbers:
Job Number:	

Colors and Finishes *(continued)*

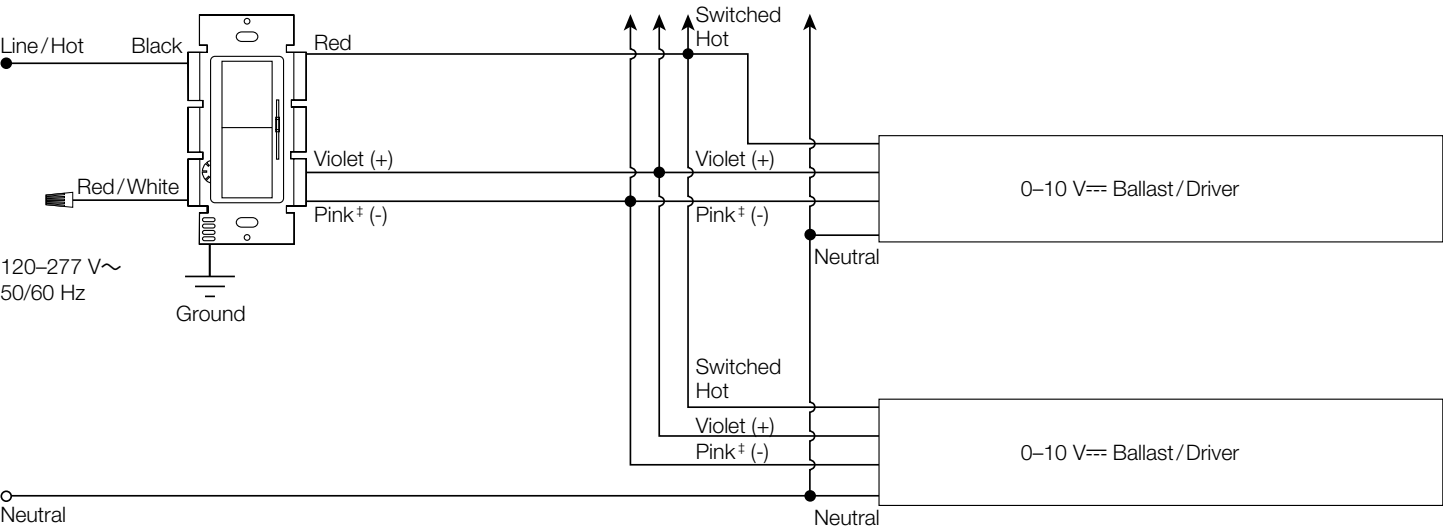
Satin Colors (while supplies last)

			
Hot HT	Merlot MR	Plum PL	Palladium PD
			
Eggshell ES	Sienna SI	Terracotta TC	Greenbriar GB
			
Bluestone BG	Mocha Stone MS	Goldstone GS	Desert Stone DS
			
Stone ST	Limestone LS		

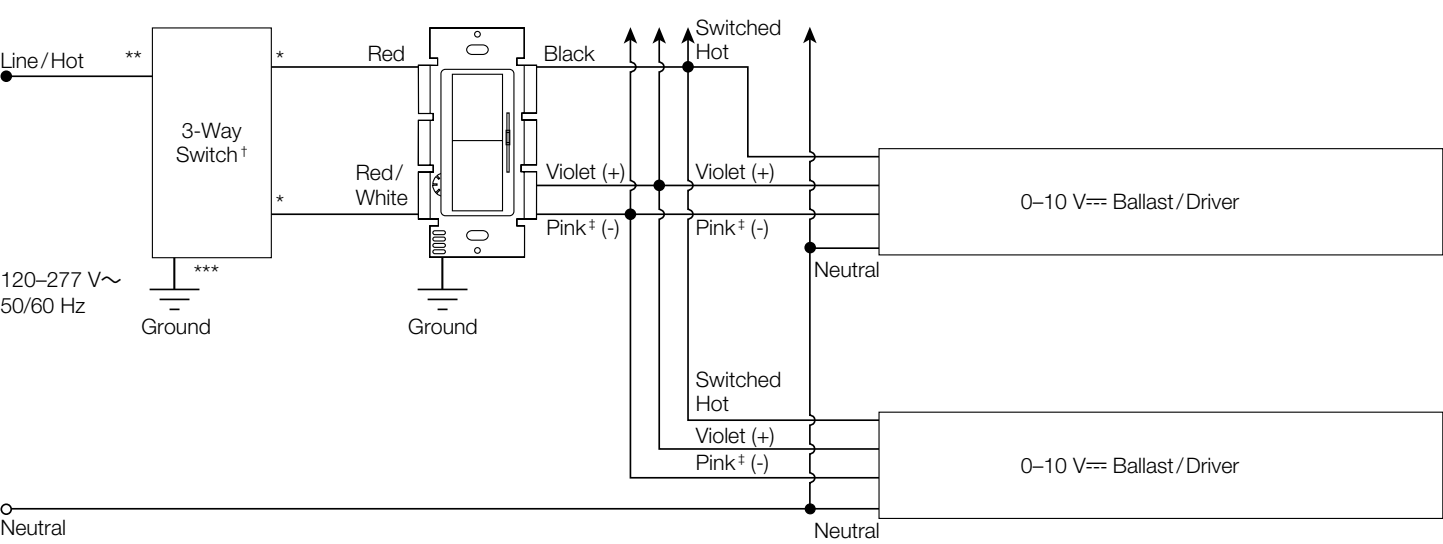
- Due to printing limitations, colors and finishes shown cannot be guaranteed to perfectly match actual product colors.
- Color chip keychains are available for more precise color matching:
Satin Colors: SC-CK-1 (while supplies last)

Wiring Diagrams
DVSTV- /DVSCSTV-

Single-Pole Wiring



3-Way Wiring



* Copper/Black screw terminal
** Brass/Gold screw terminal
*** Green screw terminal
† For proper wiring, please refer to installation instructions for 3-way switch.
‡ This wire/terminal may be gray on older products or in retrofit applications.

 SPECIFICATION SUBMITTAL

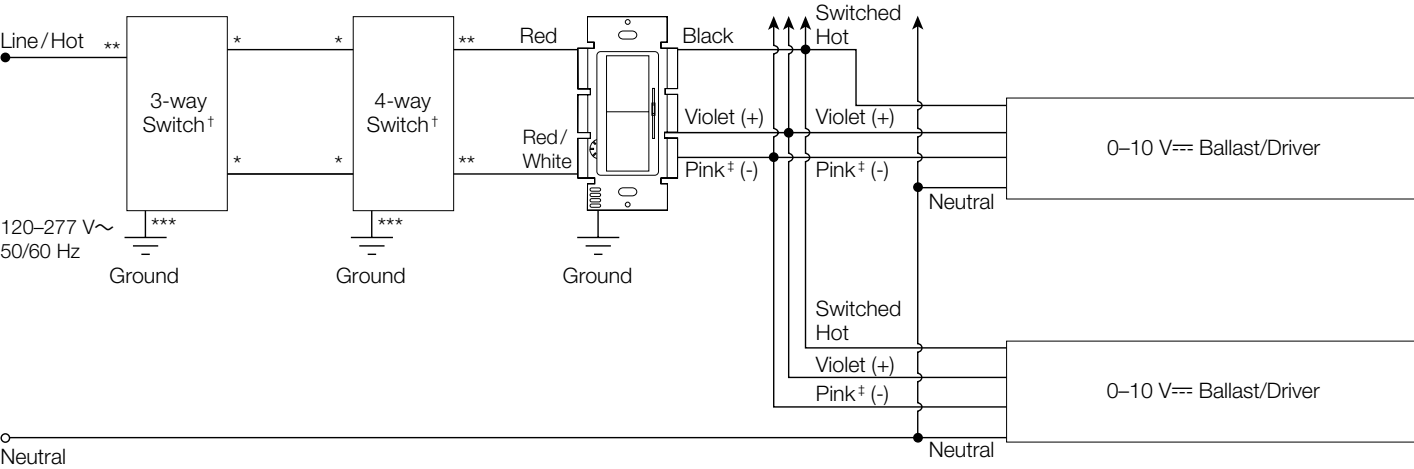
Page

Job Name:	Model Numbers:
Job Number:	

Wiring Diagrams *(continued)*

DVSTV- /DVSCSTV- *(continued)*

4-Way Wiring



Note: For 4-way wiring, control must be installed line side or load side. It cannot be installed in the 4-way location.

- * Copper/Black screw terminal
- ** Brass/Gold screw terminal
- *** Green screw terminal
- † For proper wiring, please refer to installation instructions for 3-way/4-way switch.
- ‡ This wire/terminal may be gray on older products or in retrofit applications.

Wiring Diagram Using a Power Pack

Job Number:

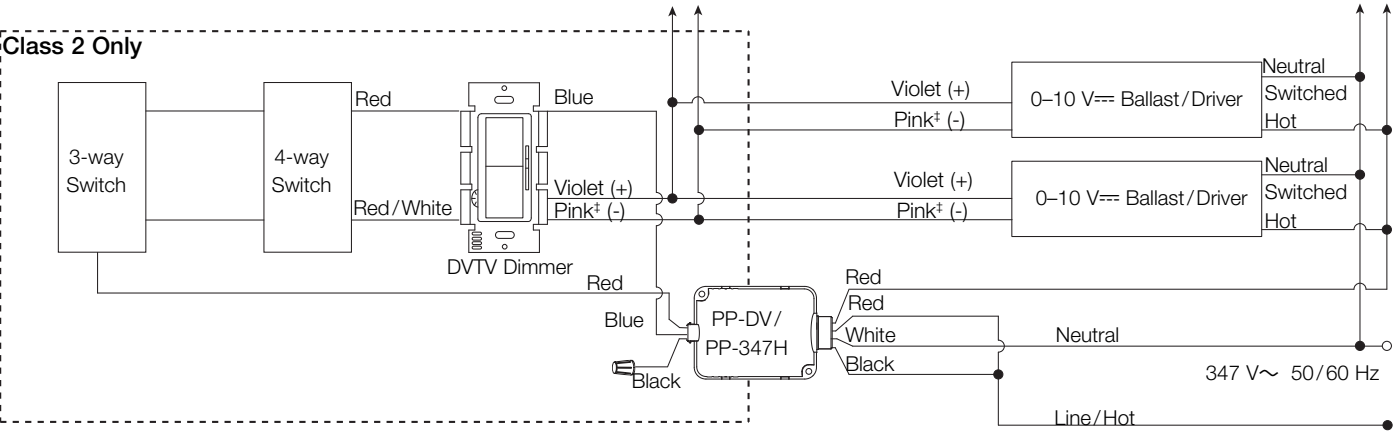
Wiring Diagrams *(continued)*

DVTV- and DVSCTV-

Dimming With ON/OFF Control

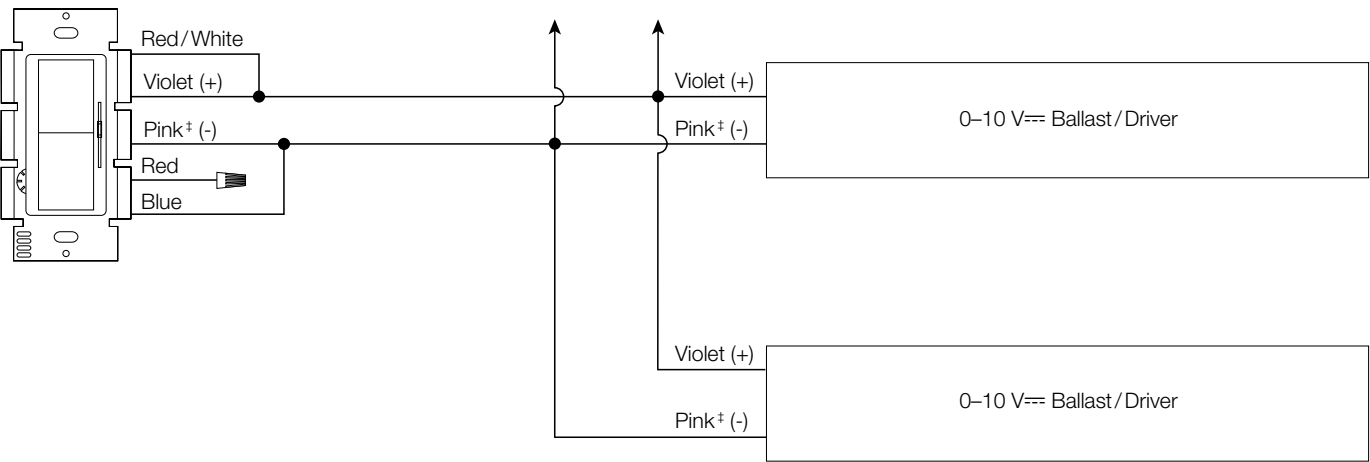
Wiring Diagram Using a Power Pack *(continued)*

4-Way Wiring



Dimming With ON/OFF Control For Drivers Which Support Dim To OFF Capability

Power Wiring Not Shown—See Lighting Device For Wiring



This wiring diagram is used when the fixture/ballast/driver is "dim to OFF" and complies with ANSI C137.1. With this wiring setup, the line voltage power is constantly supplied to the fixture/ballast/driver and the paddle switch on the Diva dimmer brings the 0–10 V signal to 0 V when in the off position.

[†] This wire/terminal may be gray on older products or in retrofit applications.

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Job Name:	Model Numbers:	
Job Number:		