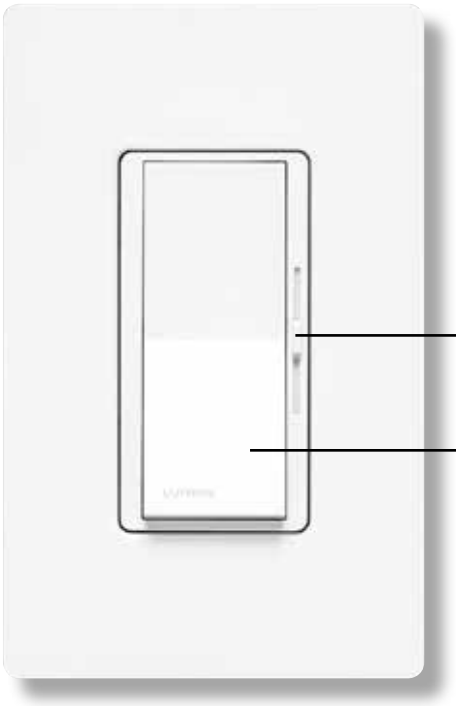
Diva 0–10 V Controls

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 wallplates [1] (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.

Specifications (continued)

DVTV- and DVSCTV- Models

Power

Operating Voltage
24 V⎓ 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).

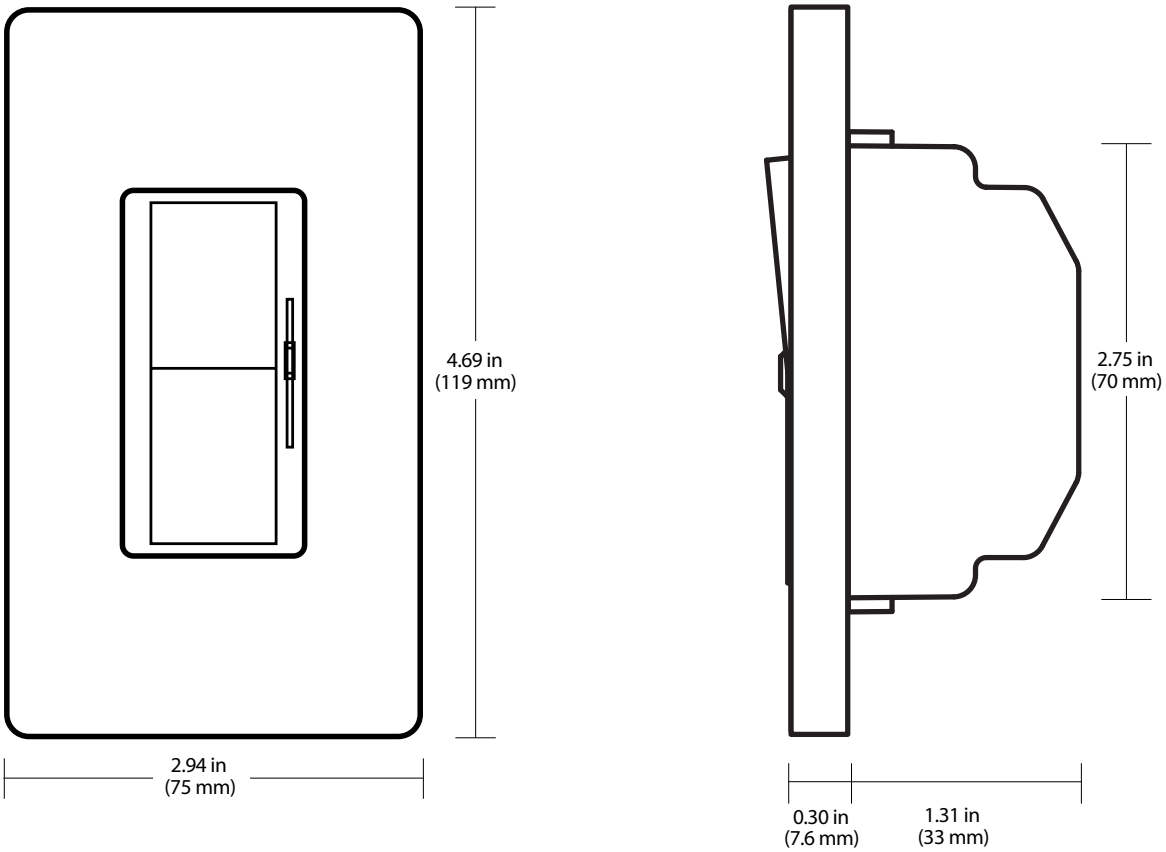
Performance
- For 120–277 V ~ installations switching more than 8 A, use DVTV- with Lutron power pack (PP-DV). See Lutron P/N 369544 at www.lutron.com
- For 347 V ~ installations, use DVTV- with Lutron power pack (PP-347H) See Lutron P/N 369544 at www.lutron.com
- Works with all ballasts and drivers 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 ⎓ 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.

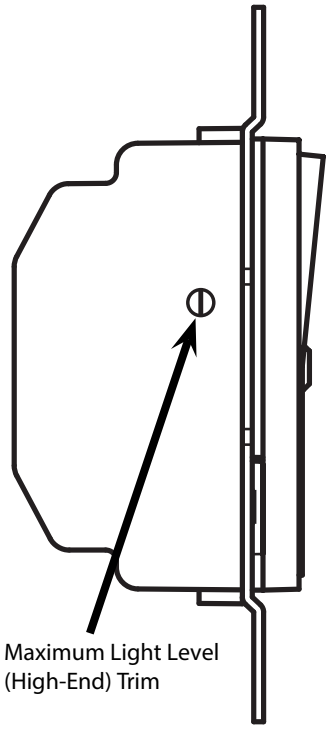
Warranty
- www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Dimensions

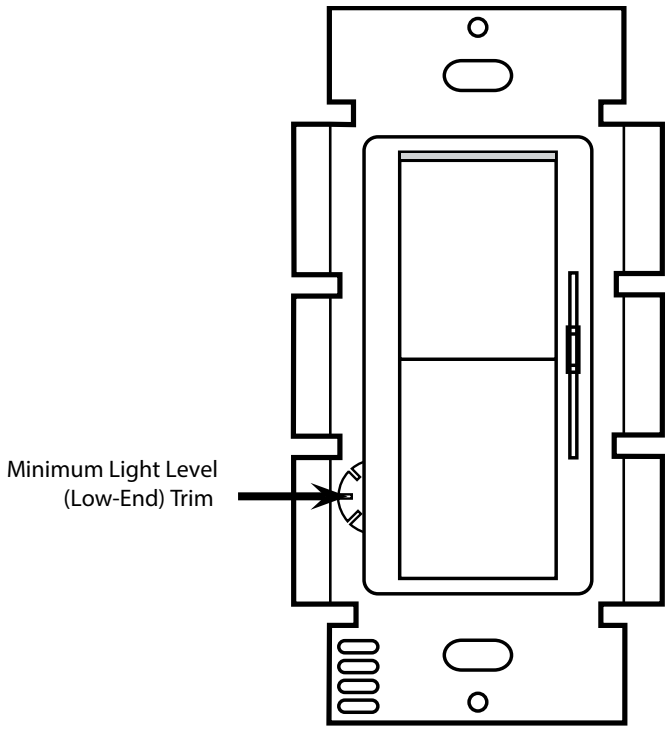


DVTV- and DVSCTV- Models

Side View



Front View



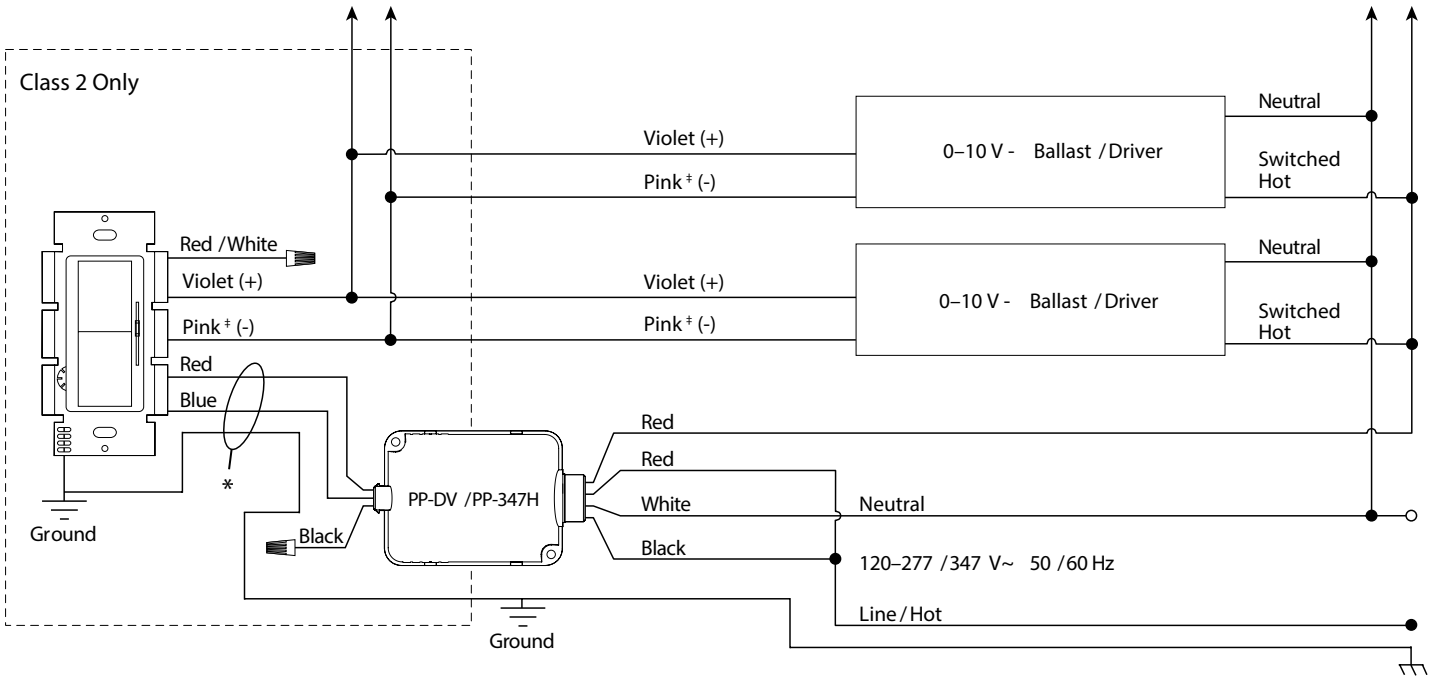
Wiring Diagrams

DVTV- and DVSCTV-

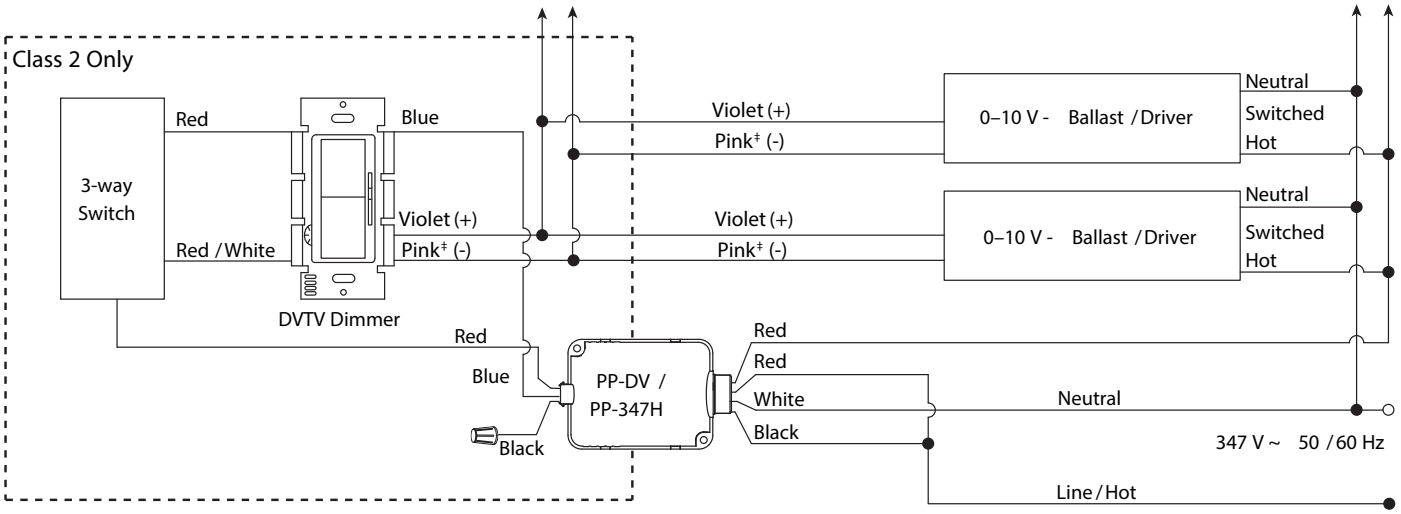
Dimming With ON/OFF Control

Wiring Diagram Using a Power Pack

Single-Pole Wiring



3-Way Wiring



* Must use shielded cable with the drain grounded and gr ounded faceplate / yoke.

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

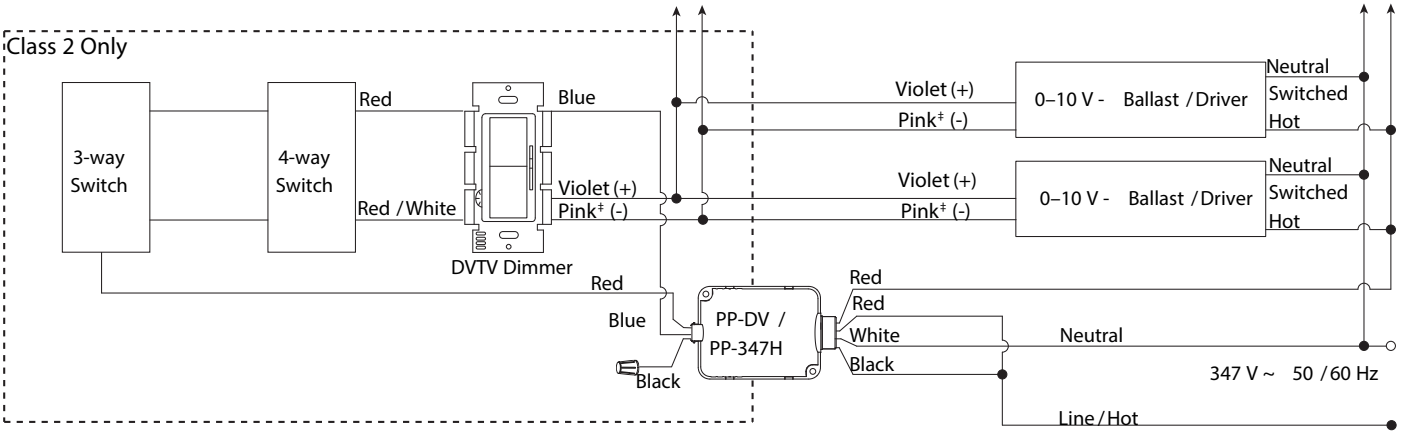
Wiring Diagrams (continued)

DVTV- and DVSCTV-

Dimming With ON /OFF Control

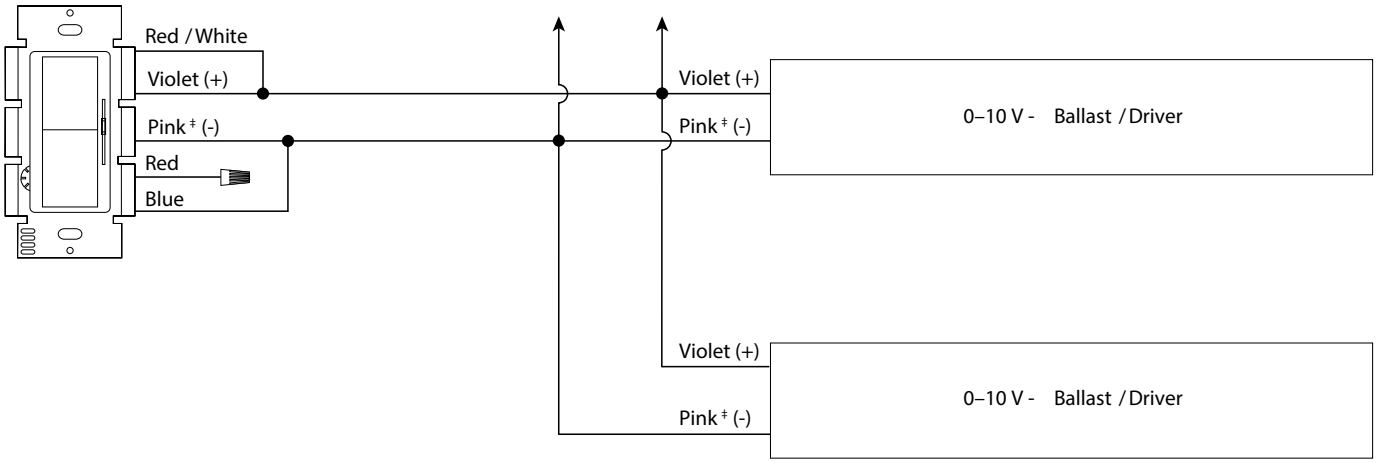
Wiring Diagram Using a Power Pack (continued)

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. W ith 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 of f position.

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