369919c 1 02.01.16

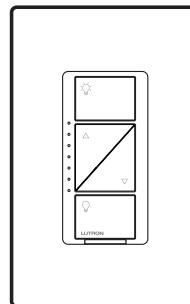# Caséta® Wireless In-Wall Dimmer PRO

The Caséta® Wireless In-Wall Dimmer PRO controls lighting loads, both directly and remotely when paired with Pico® remote controls, providing a system that delivers convenience and ease of installation.

The Caséta® Wireless In-Wall Dimmer PRO uses Lutron® patented Clear Connect® RF Technology which enables wireless communication with Pico® remote controls and the Lutron® Smart Bridge and Smart Bridge PRO.
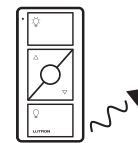
Features

- The Caséta® Wireless In-Wall Dimmer PRO provides dimming of multiple load types and, when paired with Pico® remote controls, allows remote control from anywhere in the space.

- When used with the Lutron® Smart Bridge or Smart Bridge PRO, the Caséta® Wireless In-Wall Dimmer PRO may be programmed via the Lutron® app, incorporated into lighting scenes, scheduled for daily events, and controlled from anywhere in the world [1].

- Lutron® patented Clear Connect® RF Technology works through walls and floors.

- Includes Front Accessible Service Switch (FASS™) for safe lamp replacement.

- Neutral-optional dimmer is ideal for retrofit applications when used in two-wire mode, and provides better performance with LEDs when neutral is connected.

- Compatible with Lutron® Hi-lume® A-Series LTE 2-wire LED driver, PHPM interfaces (for large wattage loads and/or ELV loads) and GRX-TVI interfaces (for 0-10 V⎓ driver loads). Neutral wire is required for drivers and interfaces (for 0-10 V⎓ driver loads).

- Works with compatible dimmable screw-in LEDs as well as incandescent, halogen, and halogen-based MLV loads (neutral wire required for MLV).
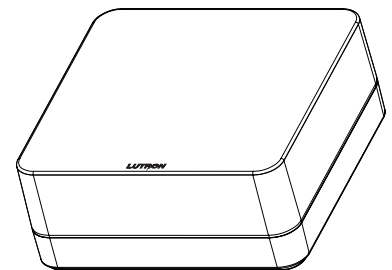
- Compatible with dimmable ballasts.

Caséta® Wireless
In-Wall Dimmer PRO

Pico® Remote Control

Lutron® Smart Bridge
and Smart Bridge PRO

Load Types and Capacity [2]

See **www.casetawireless.com/bulblist** for the latest list of compatible bulbs.

Compatible Dimmable LED (screw-in)
Up to 250 W

MLV Halogen
Up to 1000 VA

Halogen
Up to 1000 W

Incandescent
Up to 1000 W

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[1] The Lutron® app is required for setup and use with the Smart Bridge and Smart Bridge PRO. The Lutron® app is compatible with iOS® devices version 6.0 or later and Android® devices 4.0 or later.

[2] See **Ganging and Derating** section.

iOS is a registered trademark of Cisco in the U.S. and other countries and is used under license. Android is a registered trademark of Google Inc.

░LUTRON. SPECIFICATION SUBMITTAL   Page

Job Name:	Model Numbers:
Job Number:	

Specifications

Regulatory Approvals

- cULus Listed
- NOM certified
- FCC approved. Complies with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules
- Industry Canada certified
- IFTEL certified

Power

- Operating voltage: 120 V∼ 50/60 Hz

Key Design Features*

- Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
- 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.
- Dimmers always operate locally and do not require system control.
- Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
- Uses Lutron® Claro® wallplates or designer-style wallplates from other manufacturers. Wallplates are sold separately.
- Lutron® Claro® seamless wallplates snap on with no visible means of attachment.
- Multi-gang seamless wallplates are available up to 6-gang in matching colors (see page 6)
- Dimmers require a 1-gang U.S. wallbox. 3½ in (89 mm) deep recommended, 2¼ in (57 mm) deep minimum.
- Green LEDs indicate load status.

System Communications and Capacity

- The Caséta® Wireless In-Wall Dimmer PRO communicates with Pico® remote controls and Lutron® Smart Bridge or Smart Bridge PRO via Radio Frequency (RF).
- The Caséta® Wireless In-Wall Dimmer PRO communicates with Lutron® Radio Powr Savr™ Occupancy and Vacancy Sensors in a standalone application. Sensors do not work with Smart Bridge or Smart Bridge PRO.
- The Caséta® Wireless In-Wall Dimmer PRO must be located within 60 ft (18 m) line-of-sight or 30 ft (9 m) through walls, of Pico® remote controls and Smart Bridge or Smart Bridge PRO.

Device limits

- Pico® remote controls only: up to 10 Pico® remote controls may be paired to each Caséta® Wireless In-Wall Dimmer PRO (with no Smart Bridge installed).
- Smart Bridge or Smart Bridge PRO system: up to 50 total wireless devices (Caséta® Wireless dimmers/switches, Pico® remote controls) are supported per system. Smart Bridge or Smart Bridge PRO counts as one device.
- Caseta® Wireless In-wall dimmer PRO has load type and capacity limits (see page 4)
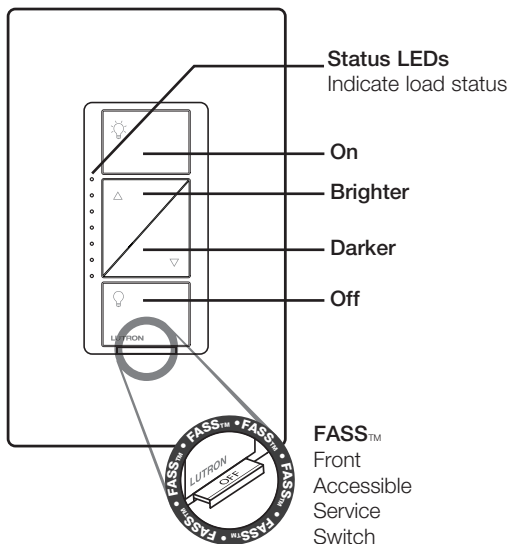
Environment

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

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* For advanced features, tips on how to use Caséta® Wireless dimmers with LEDs, the complete Caséta® Wireless product line, and more, please visit **www.casetawireless.com/features**

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Job Name:	Model Numbers:
Job Number:	

Operation

In-Wall Dimmer PRO

Status LEDs
Indicate load status

On

Brighter

Darker

Off

FASS™
Front
Accessible
Service
Switch

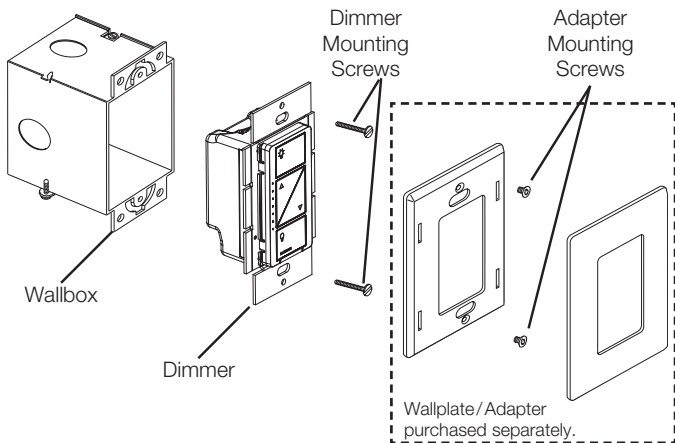
IMPORTANT NOTICE:
FASS™ – Front Accessible Service Switch – to service load, remove power by pulling the FASS™ out completely on dimmer. After servicing load, push the FASS™ back in fully to restore power to the control.
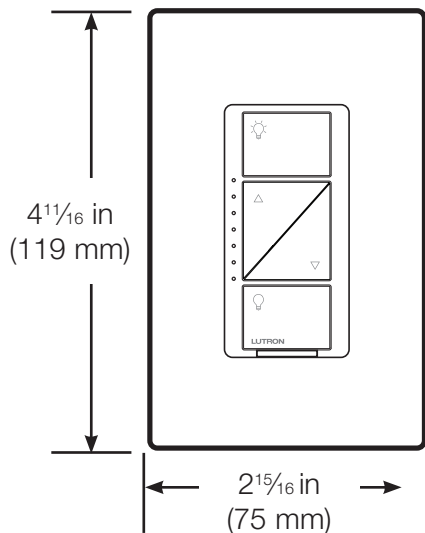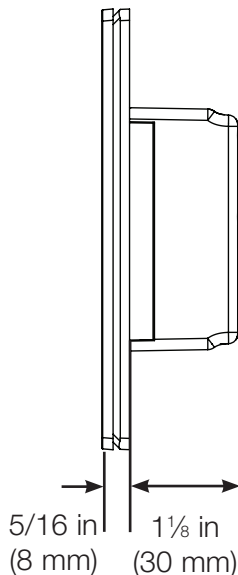

Mounting

Dimmer
Mounting
Screws

Adapter
Mounting
Screws

Wallbox

Dimmer

Wallplate / Adapter
purchased separately.

⚜LUTRON   SPECIFICATION SUBMITTAL   Page

Job Name:	Model Numbers:
Job Number:	

Dimensions

Front View

4¹¹⁄₁₆ in
(119 mm)

2¹⁵⁄₁₆ in
(75 mm)

Side View

5/16 in
(8 mm)

1⅛ in
(30 mm)
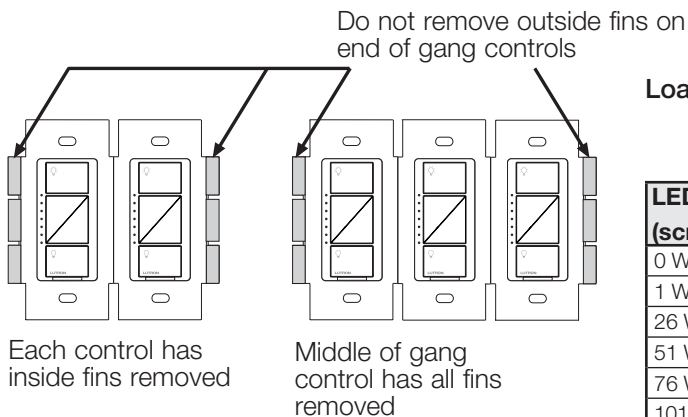
Ganging and Derating

When ganging with other controls in the same wallbox, derating is required.
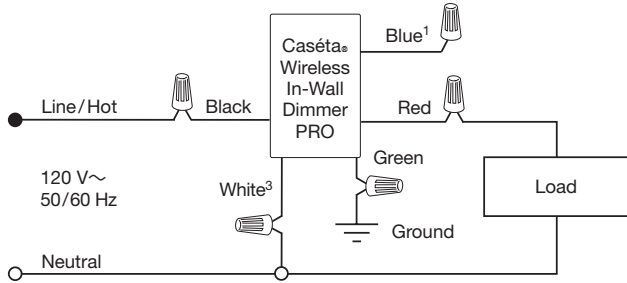See Load Type and Capacity chart.

Do not remove outside fins on end of gang controls

Each control has inside fins removed

Middle of gang control has all fins removed

Load Type and Capacity*

LED Total Wattage (screw-in LEDs)		Incandescent / Halogen Total Wattage		
		A	**B**	**C**
0 W	+	1000 W	800 W	600 W
1 W – 25 W	+	900 W	750 W	550 W
26 W – 50 W	+	800 W	700 W	500 W
51 W – 75 W	+	700 W	600 W	450 W
76 W – 100 W	+	600 W	500 W	400 W
101 W – 125 W	+	500 W	400 W	300 W
126 W – 150 W	+	400 W	300 W	200 W
151 W – 175 W	+	300 W	200 W	100 W
176 W – 200 W	+	200 W	100 W	50 W
201 W – 225 W	+	100 W	50 W	0 W
226 W – 250 W	+	0 W	0 W	0 W

- Mixing bulb types (using a combination of LED and incandescent/halogen bulbs) reduces maximum wattage as shown in the chart above.
- In-Wall Dimmer PRO has a minimum load requirement of 10 W with neutral connected (25 W without neutral) or one bulb from the compatible bulb list.

* See **www.casetawireless.com/bulblist** for the latest list of compatible bulbs.

Job Name:	Model Numbers:
Job Number:	

Caséta® Wireless　　　　　　　　**PD-10NXD**　　　　　　　　**In-Wall Dimmer PRO**
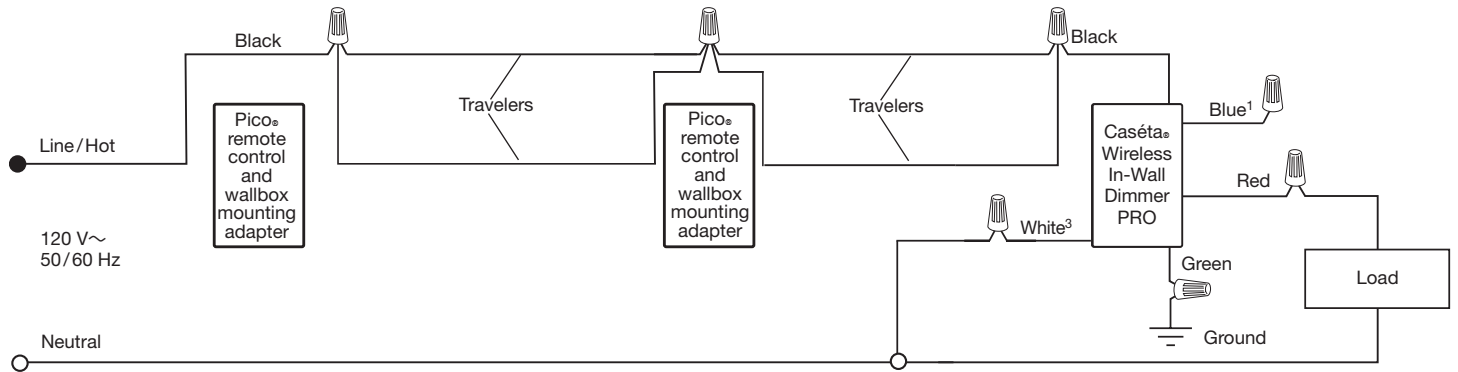
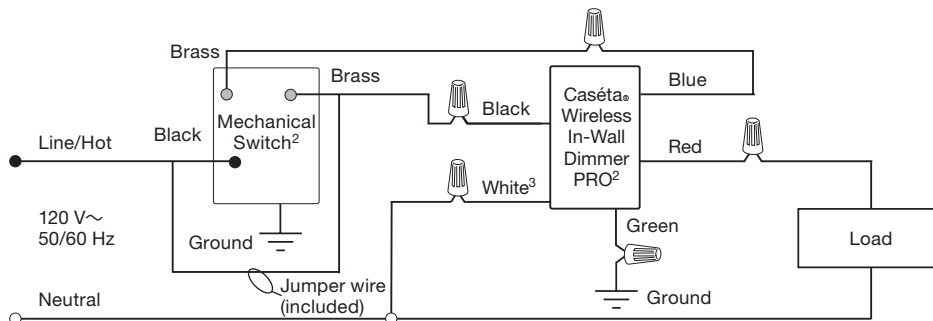# Wiring Diagrams

Single Location Installation

Multi-Location Installation

With Pico® remote controls (PJ2-XX-XX) and wallbox mounting adapters (PICO-WBX-ADAPT)

3-Way Installation

With mechanical switch

[1] When using controls without mechanical 3-way switch, cap the blue terminal. **Do not** connect the blue wire to any other wiring or to ground.

[2] Location of Caséta® Wireless In-Wall Dimmer PRO and mechanical switch may be reversed.

[3] Neutral connection optional except for MLV loads, LED drivers, and power modules (PHPM-PA, PHPM-3F, and GRX-TVI).
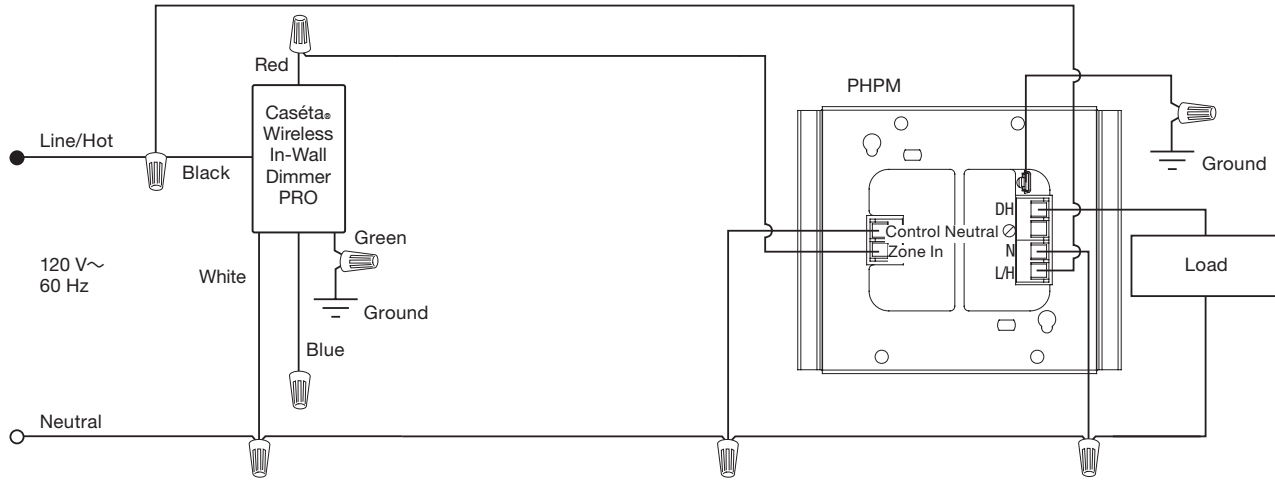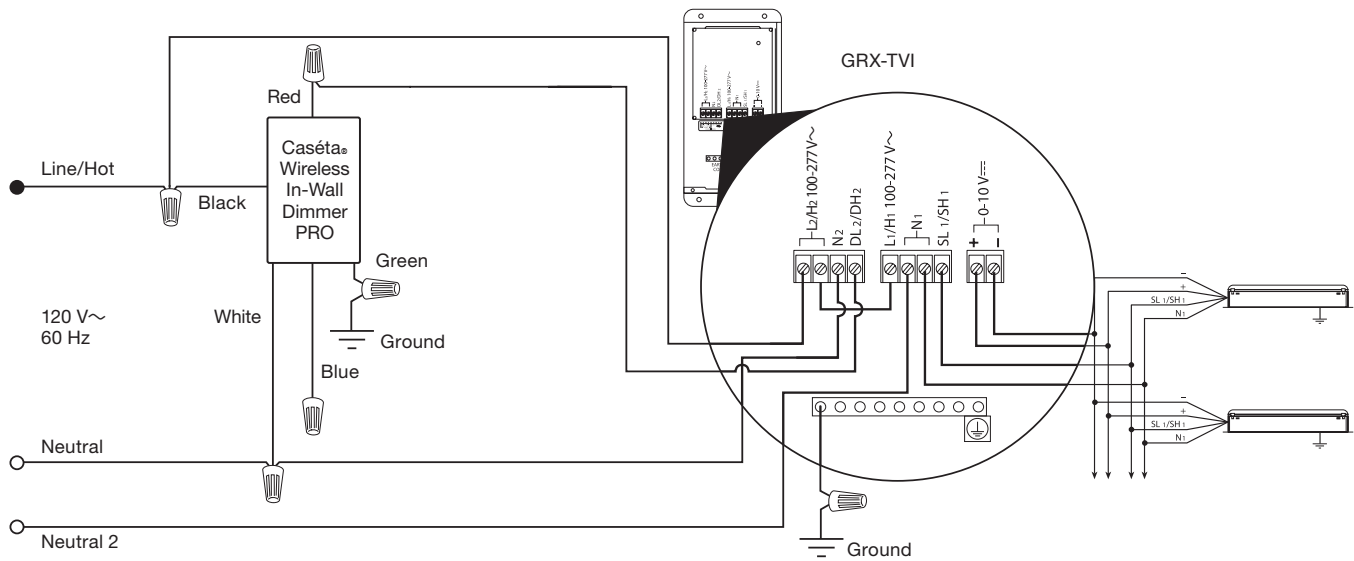
✸LUTRON® SPECIFICATION SUBMITTAL　　　　　　　　　　　　Page

Job Name:	Model Numbers:
Job Number:	

Wiring Diagrams (cont.)

Installation with PHPM - Neutral required[1]
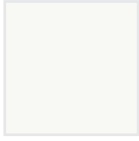

Installation with GRX-TVI - Neutral required[2]

[1] See Lutron® P/Ns 369356 and 369355 for additional wiring diagrams.
[2] See Lutron® P/N 369247 for wiring additional diagrams.

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Job Name:	Model Numbers:
Job Number:	

Colors and Finishes

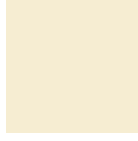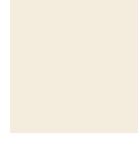**Gloss Finishes**

White
WH

Black
BL

Ivory
IV

Light Almond
LA

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

Job Name:	Model Numbers:
Job Number:	