369809c 1 10.09.17

Ariadni 250 W C•L Dimmer

Dimmer for CFL, LED, Halogen, and Incandescent dimmable bulbs.



* Wallplate sold separately

Features

- On / off toggle switch with a captive linear-slide dimmer for a traditional wallplate opening
- HED Technology: Advanced Lutron dimming circuitry designed for compatibility with most high efficacy light bulbs
- UL® Listed to control:
  - — Dimmable compact fluorescent load (CFL) with integrated ballast
  - — Dimmable LED with integrated driver
  - — Lutron Hi-lume A-Series LTE LED Driver
  - — Halogen
  - — Incandescent
- Low-end adjustment to accommodate a wide range of bulbs
- 100% factory tested
- NEMA SSL-7A Type 2 Compliant

Application Requirements

- ***When dimming CFLs or LEDs, only bulbs marked or rated as DIMMABLE may be used.***
- For a list of compatible DIMMABLE CFLs and LEDs please visit www.lutron.com/dimcflled. For questions call 1.844.LUTRON1.
- Some DIMMABLE CFLs and LEDs require a minimum number of bulbs for proper operation. For details and a list of bulbs, please visit www.lutron.com/dimcflled.

Model Numbers

AYCL-253P-XX[1, 2]	Single pole / 3-way[3]
AYCL-253PH-WH-C[4]	Single pole / 3-way[3]

[1] "XX" in the model number represents color/finish code; see **"Colors and Finishes"** chart on Page 3.
[2] For clamshell packaging, add "H" after "253P". Clamshell packaged product available in IV, LA, and WH.
[3] For 3-way and 4-way switching, use mechanical switches.
[4] Clamshell packaged product for Canada. Available in WH only.

Job Name:	Model Numbers:	
Job Number:		

Specifications

Regulatory Approvals

- UL® Listed to US and Canadian safety requirements UL1472 / CSA C22.2 184.1
- NEMA SSL-7A Type 2

Power and Ratings

- 120 V~ 60 Hz
- 250 W dimmable CFL/LED

or

- 600 W Incandescent/Halogen

or

- Mixed bulb type per **Multigang and Mixed Bulb Type Ratings** table

or

- 350 W Lutron Hi-lume A-Series LTE LED Driver (maximum 8 drivers)

Environment

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

Performance

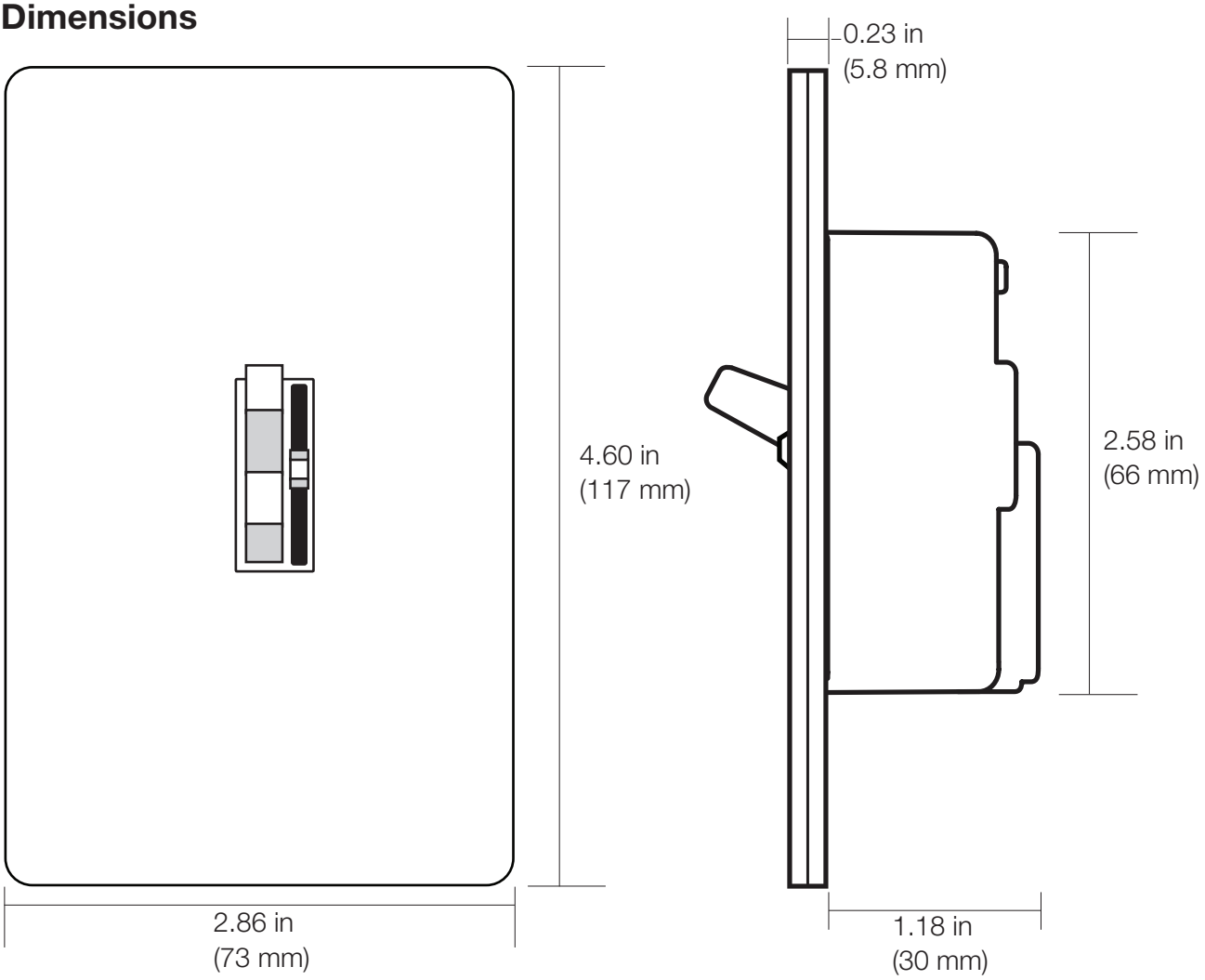
- Power failure memory: should power be interrupted, the control will return to its previously set level prior to the interruption when power is restored.
- Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
- Precise color matching
- Mechanical air-gap switch to disconnect load power

Warranty

- 1 Year Limited Warranty
  For additional Warranty information, please visit www.lutron.com/TechnicalDocumentLibrary/369-119_Wallbox_Warranty.pdf

Job Name:	Model Numbers:	
Job Number:		

Dimensions



Colors and Finishes

Gloss Finishes

Add color/finish code to model #

Example: AYCL-253P-WH

WH	White
IV	Ivory
AL	Almond
LA	Light Almond
BR	Brown
BL	Black

Job Name:	Model Numbers:	
Job Number:		

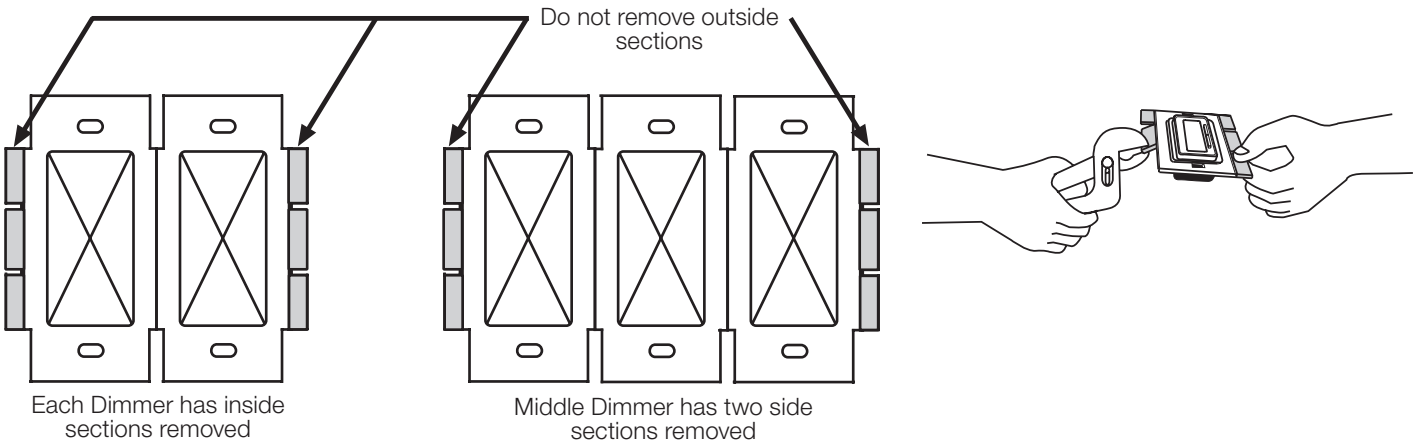
Multigang and Mixed-Bulb-Type Ratings

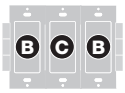
When installing more than one Dimmer in the same wallbox, it may be necessary to remove some side sections prior to wiring **(see diagram)**. Removal of Dimmer side sections may reduce maximum wattage, as shown in the chart below.

Mixing bulb types **(using a combination of CFL/LED, and Incandescent/Halogen bulbs)** will also affect the maximum ratings, as shown in the chart below.

Note: Lutron Hi-lume A-Series LTE LED loads cannot be mixed with other loads.

*EXAMPLE: If one set of side sections is removed and you have eight 9 W LED bulbs installed (Total LED Wattage = 72 W), you may add up to 300 W of incandescent or halogen lighting.

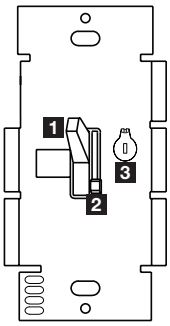


				
Total CFL/LED Wattage Installed (Wattage per bulb x # of bulbs) CFL LED		**Maximum Allowable Incandescent/Halogen Wattage** INC/HAL		
		A No sides removed	**B** 1 side removed	**C** 2 sides removed
0 W	+	600 W	500 W	400 W
1 W – 40 W	+	500 W	400 W	300 W
41 W – 80 W	+	400 W	300 W	200 W
81 W – 120 W	+	300 W	200 W	100 W
121 W – 160 W	+	200 W	100 W	50 W
161 W – 200 W	+	100 W	50 W	0 W
201 W – 250 W	+	0 W	0 W	0 W

Note: There is no wattage reduction when controlling only LED or CFL

Job Name:	Model Numbers:	
Job Number:		

Operation (View with wallplate removed)



1 Switch

Turns lights ON and OFF.

2 Slider

Controls light level.

+ Up
Increases light level

– Down
Decreases light level

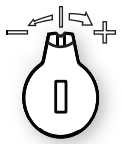
IMPORTANT: Set slider to bottom before adjusting dimming range.

Lever-type Adjustment Dial

3 Adjustment lever

Sets low end dimming limit.

Right (clockwise)
Increases brightness



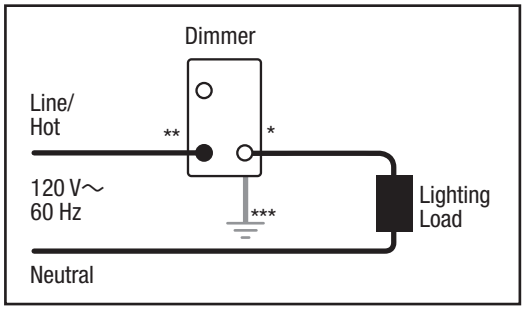
Left (counter-clockwise)
Decreases brightness

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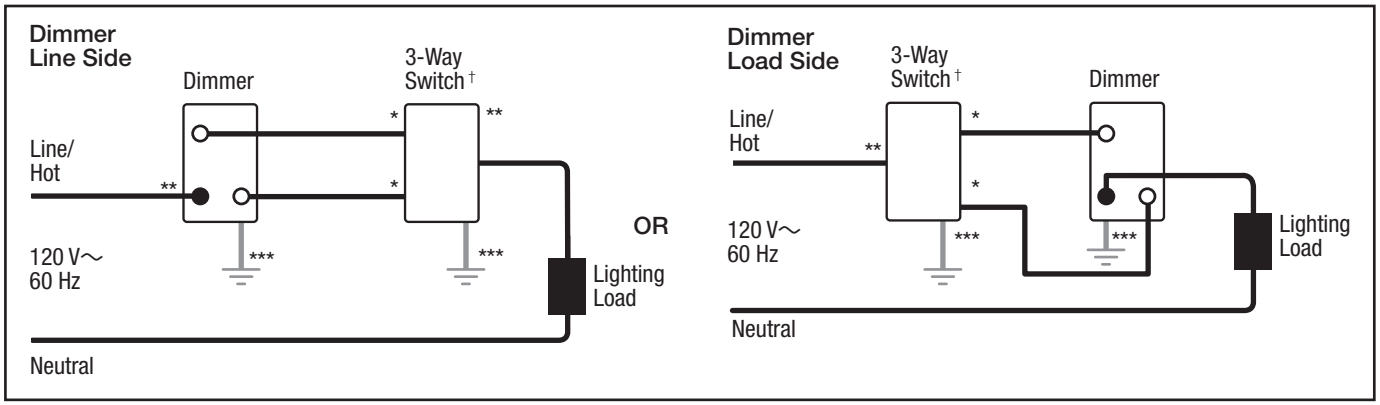
Job Name:	Model Numbers:	
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Wiring Diagrams

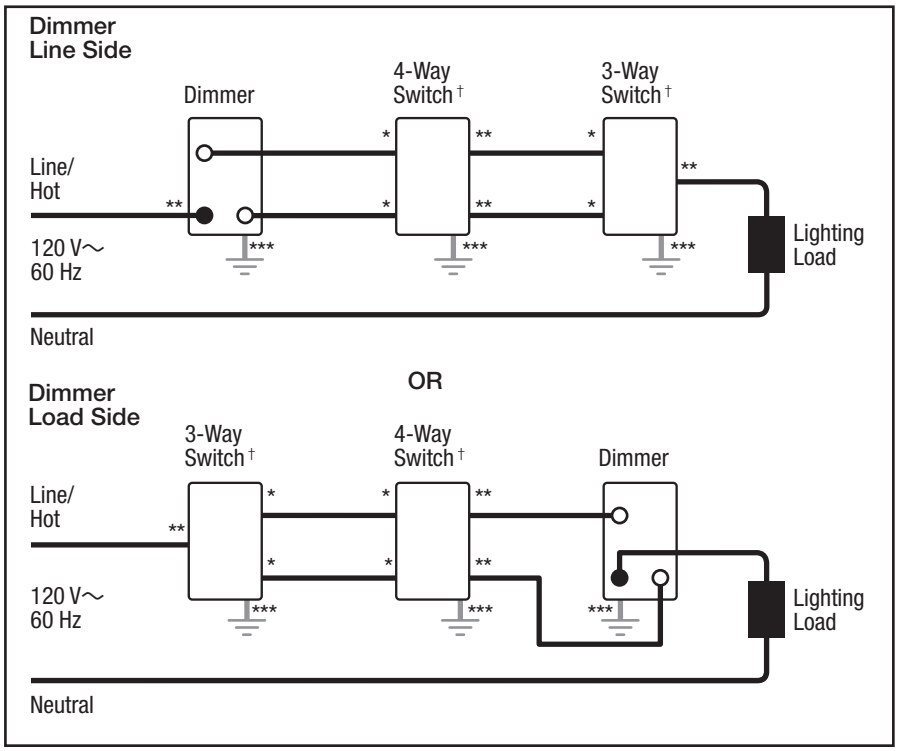
Single-Pole Wiring



3-Way Wiring



4-Way Wiring



* Brass/Gold screw terminal

** Copper/Black screw terminal

*** Green screw terminal

† Please refer to switch instruction sheet for proper wiring.

Note for 4-Way Wiring:
Dimmer must be installed Line Side or Load Side. It cannot be installed in the 4-way location.

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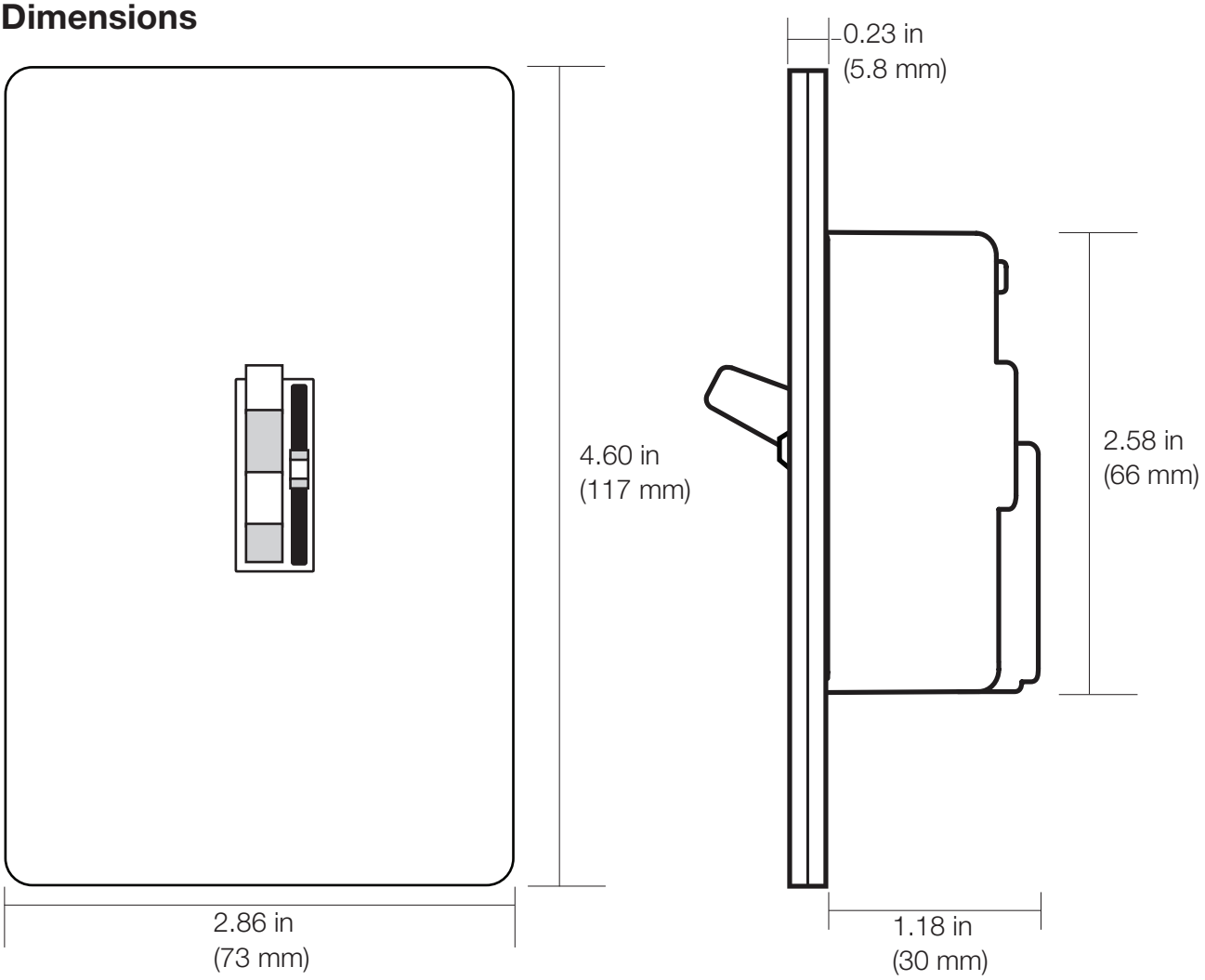
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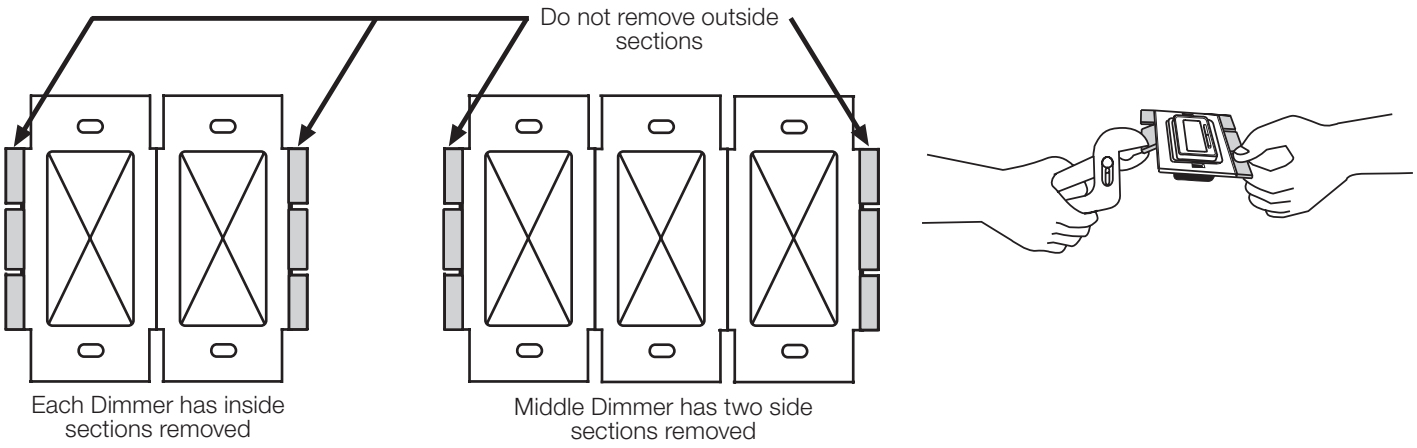
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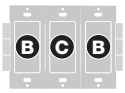
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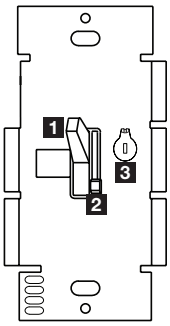


				
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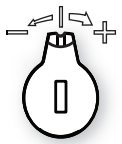
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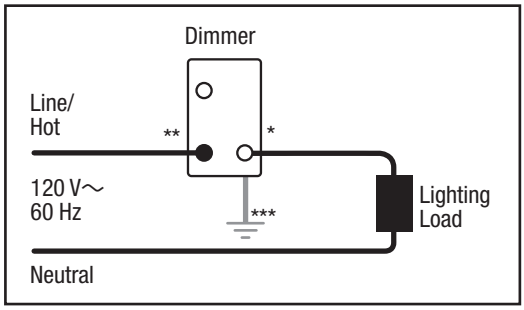
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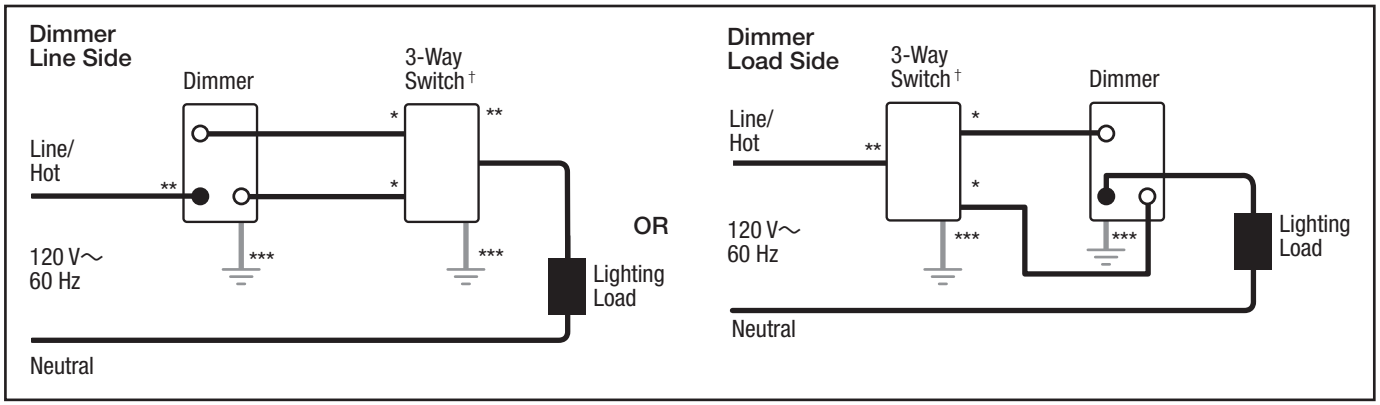
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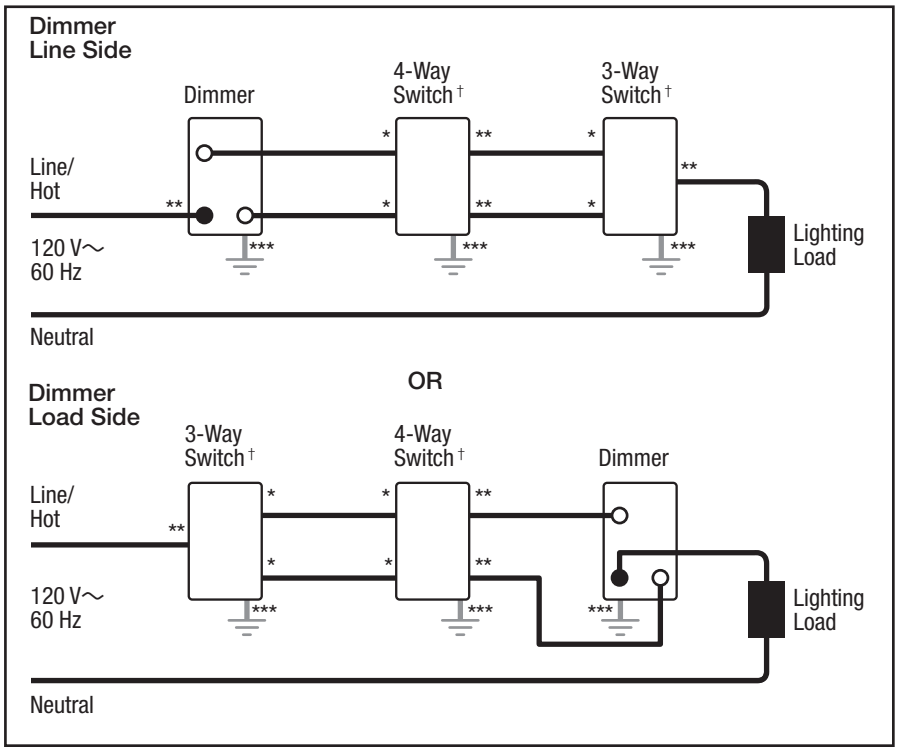
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