## Ariadni 250 W C•L Dimmer

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

## 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 ${ }^{1,2} \quad$ Single pole/3-way ${ }^{3}$
AYCL-253PH-WH-C ${ }^{4}$ Single pole/3-way ${ }^{3}$

1 " $X X$ " 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: |
| :--- |
| $\square$ |
| Job Number: $\quad \square$ |

Model Numbers:
Model Numbers.

* Wallplate sold separately

Switch on
(to selected preset light level), and off

Select light level with slider

## 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: $32{ }^{\circ} \mathrm{F}$ to $104^{\circ} \mathrm{F}$ $\left(0^{\circ} \mathrm{C}\right.$ to $40^{\circ} \mathrm{C}$ ), $0 \%-90 \%$ 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_Walllbox_Warranty.pdf

| Job Name: |
| :--- |
| $\square$ |
| Job Number: $\quad \square$ |

[^0]
## 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


Model Numbers:

## 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 $=72 \mathrm{~W}$ ), you may add up to 300 W of incandescent or halogen lighting.


|  |  | (A) |  | B C B |
| :---: | :---: | :---: | :---: | :---: |
| Total CFL/LED Wattage Installed (38) (Wattage per bulb x \# of bulbs) |  | Maximum Allowable Incandescent/Halogen Wattage INC/HAL $^{\text {a }}$ |  |  |
|  |  | (A) No sides removed | (B) 1 side removed | C. 2 sides removed |
| 0 W | + | 600 W | 500 W | 400 W |
| $1 \mathrm{~W}-40 \mathrm{~W}$ | + | 500 W | 400 W | 300 W |
| $41 \mathrm{~W}-80 \mathrm{~W}$ | + | 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: |
| :--- |
| $\square$ |
| Job Number: $\quad \square$ |

## Model Numbers:

Job Number: $\square$

Operation (View with wallplate removed)

## Lever-type Adjustment Dial



## Slider

Controls light level.
$+\sqrt{-}+\begin{aligned} & \text { Up } \\ & \ln \\ & \end{aligned}$
Up
Increases light level

Down
Decreases light level
IMPORTANT: Set slider to
bottom before adjusting dimming range.

3 Adjustment lever
Sets low end dimming limit.
Right (clockwise)
Increases brightness


Left
(counter-clockwise) Decreases brightness

| Job Name: |
| :--- |
| $\square$ |
| Job Number: $\quad \square$ |

Model Numbers:

## Wiring Diagrams

## Single-Pole Wiring



Neutral

## 3-Way Wiring



## 4-Way Wiring



* Brass/Gold screw terminal
** Copper/Black screw terminal
*** Green screw terminal
$\dagger$ 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.

LUTRON SPECIFICATION SUBMITTAL

| Job Name: <br> $\square$ | Model Numbers: |  |
| :--- | :--- | :--- |
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| :--- | :--- | :--- |
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