## VARIABLE WHITE DIMMER

The Variable White Dimmer from AmbienTech uses the same wire set as a standard dimmer with wireless support that reduces installation time and costs. No battery required! The Variable White Dimmer complies with CEC Title 24 flicker-free requirements. Device pairing with Dimming Control Module allows you to plug and play to quickly customize your lighting.

- Dimming for Variable White applications
- Wall switch with wireless signal
- Flicker-free dimming down to 0.1%
- Offers app and voice control
- Complies with Title 24 dimming requirements

## SPECIFICATIONS

| | |
|---|---|
| Max Input Power | 700 W |
| Rated Input Voltage | 120VAC - 60Hz |
| Color | White, Black |
| Load Type | 12/24VDC Tunable White LED's |
| Ambient Temperature | -30 °C - + 40 °C / -86°F - + 104°F |
| IP Rating | IP23 |
| Control Protocol | RF / SmartAir App |
| Dimming Range | 0.1 - 100% |
| Dim to Off | Yes |
| Dimming Method | PWM (2400Hz) |
| Dimming Curve | Logarithmic (Default) |
| Dimensions (L x W x D) | 2.9 in. x 4.7 in. x 1.6 in. (74.5 mm x 119 mm x 40.6 mm) |
| Case Material | PC/ABS - 5VA Rating |

## ORDERING GUIDE

Category

**RFDIMVWWH** - Variable White Dimmer white

**RFDIMVWBK** - Variable White Dimmer black

## COMPATIBLE DIMMERS & DRIVER

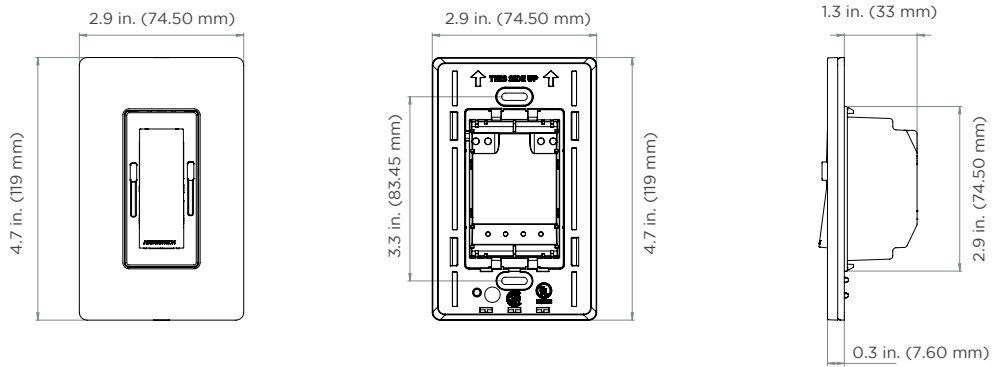### DIMMING CONTROL MODULE (PART #: RFDIMMODWDVW)

**DIMENSIONS**

**Width:** 1.57 in. (40 mm)
**Length:** 3.14 in. (80 mm)
**Depth:** 0.64 in. (16.5 mm)

**FEATURES**

- 3-in-1 module for dimming, Variable White and Warm-Dim applications
- Control multiple modules
- Offers app and voice control
- Compatible with Constant Voltage LED drivers
- Current limit overload protection
- Complies with Title 24 dimming requirements

### DIMMABLE INTEGRATED DRIVER (PART #: DRVRF2460120 / DRVRF2490120)

**DIMENSIONS**

**Width:** 4.1 in. (104 mm)
**Length:** 8.4 in. (213 mm)
**Depth:** 1.5 in. (38 mm)

**FEATURES**

- Dimming for Variable White and Warm-Dim applications
- Available in 60 W and 90 W options.
- Controlled by wall switch with wireless signal
- Single switch can control multiple LED drivers
- Flicker-free dimming down to 0.1%
- Complies with Title 24 dimming requirements
- Current limit overload protection
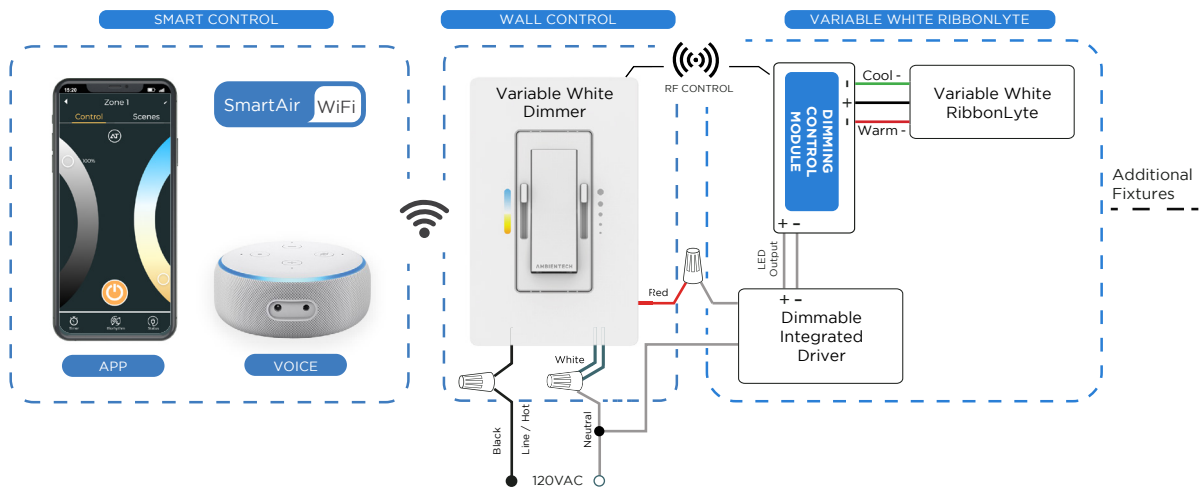- No minimum load requirement
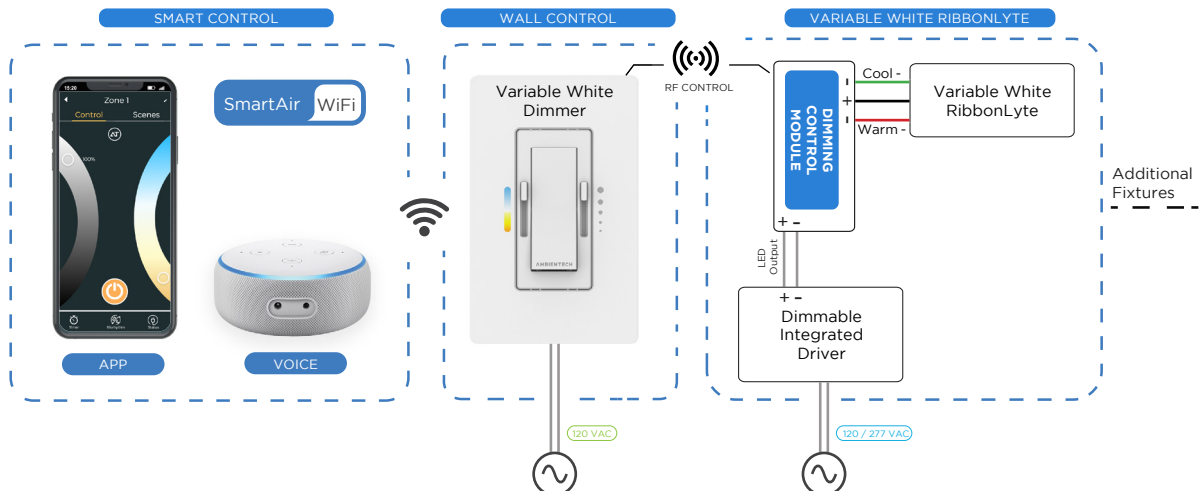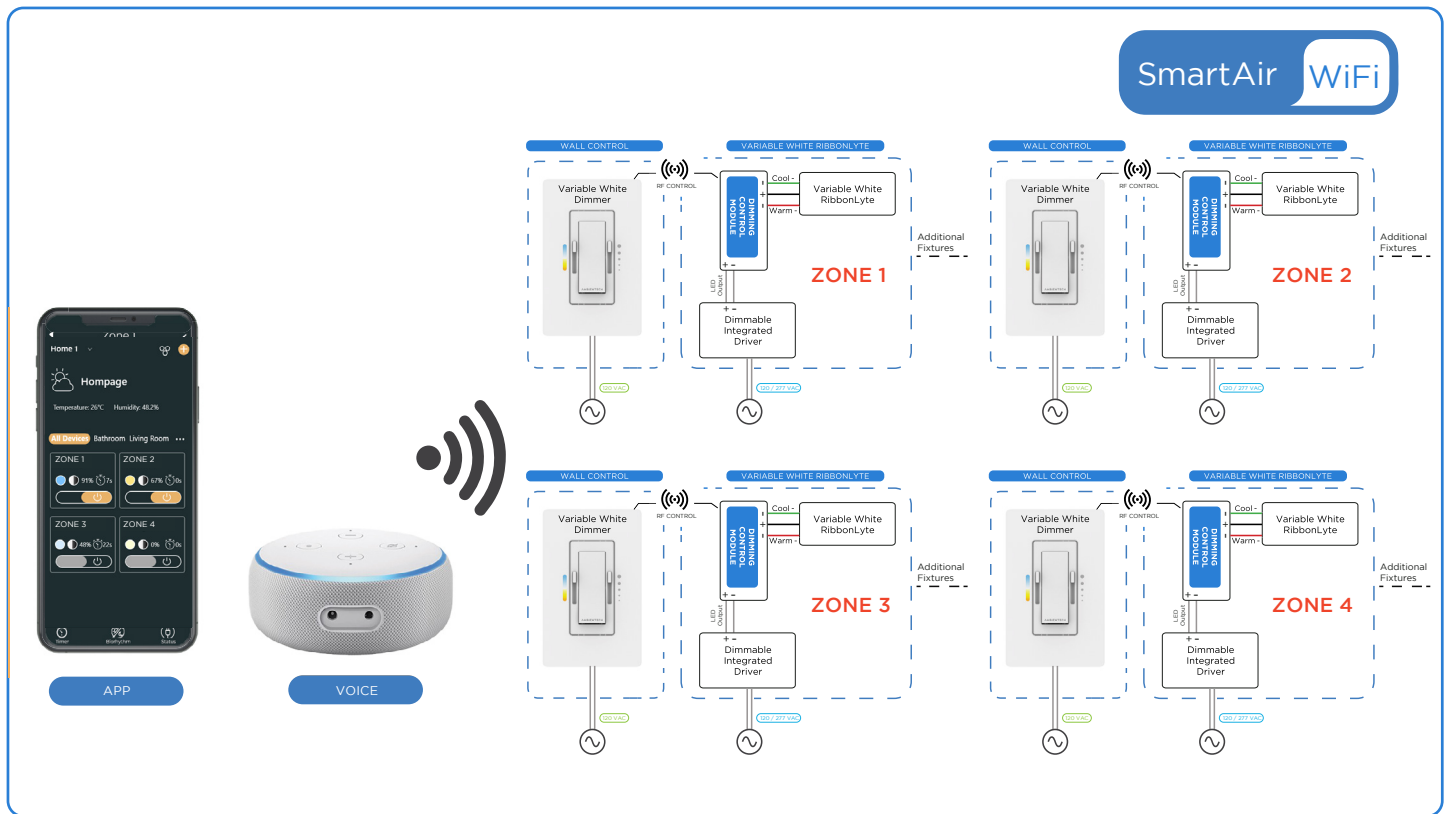- 24VDC output

# DIMENSIONS

## MECHANICAL DIMENSIONS



2.9 in. (74.50 mm)
4.7 in. (119 mm)

2.9 in. (74.50 mm)
3.3 in. (83.45 mm)
4.7 in. (119 mm)
THIS SIDE UP

1.3 in. (33 mm)
2.9 in. (74.50 mm)
0.3 in. (7.60 mm)

# WIRING DIAGRAMS

## VARIABLE WHITE



SMART CONTROL | WALL CONTROL | VARIABLE WHITE RIBBONLYTE

SmartAir WiFi

Zone 1
Control    Scenes

APP    VOICE

Variable White Dimmer

RF CONTROL

AMBIENTECH

Red
White
Black
Line / Hot
Neutral
120VAC

DIMMING CONTROL MODULE

Cool -
+
Warm -

Variable White RibbonLyte

LED Output

+ –
Dimmable Integrated Driver

+ –

Additional Fixtures

## VARIABLE WHITE - WIRELESS



SMART CONTROL | WALL CONTROL | VARIABLE WHITE RIBBONLYTE

SmartAir WiFi

Zone 1
Control    Scenes

APP    VOICE

Variable White Dimmer

RF CONTROL

AMBIENTECH

120 VAC

DIMMING CONTROL MODULE

Cool -
+
Warm -

Variable White RibbonLyte

LED Output

+ –
Dimmable Integrated Driver

120 / 277 VAC

Additional Fixtures

![GENLED Acolyte Architectural Lighting Solutions logo]

## SMART AIR - APP / VOICE CONTROL



SmartAir WiFi

**ZONE 1** · **ZONE 2** · **ZONE 3** · **ZONE 4**

WALL CONTROL — VARIABLE WHITE RIBBONLYTE
Variable White Dimmer — RF CONTROL — DIMMING CONTROL MODULE — Variable White RibbonLyte — Cool / Warm — Dimmable Integrated Driver — Additional Fixtures
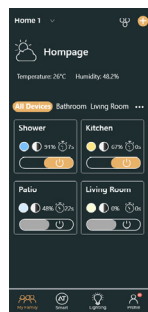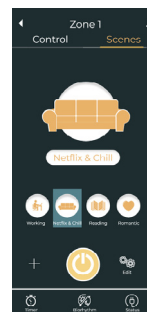
APP · VOICE

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## App Features
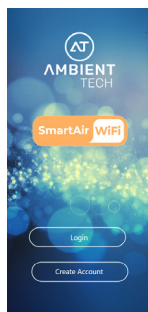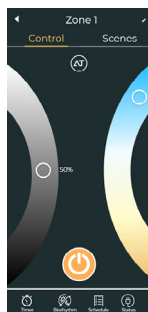


| LOGIN | VARIABLE WHITE | WARM DIM | DIMMING | ZONE GROUPING | BIORHYTHM | SAVE SCENES |

+ More

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works with the Google Assistant

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