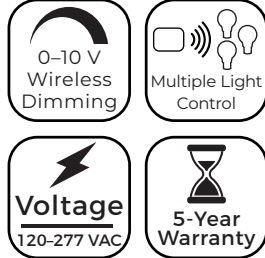


Vealite Series

0-10 V Wireless Dimming System

Project _____

Date _____ Type _____



Description

Vealite RF dimming modules use radio frequency to wirelessly control 0-10 V LED dimmable light fixtures for easy and more convenient installation without any sacrifice to functionality. Modules receive input from compatible RF wireless wall switch dimmers and/or occupancy sensors creating a convenient, adaptable, and energy-saving control system. Allows multiple lights to be controlled from one or more sensors or switches.

Dimming Module Features

- Module mounts through 1/2" trade size knock-out on a junction box or compatible fixture
- Up to 10 A input current per module allows one module to operate multiple lights
- Transmission/reception range up to 98.4 ft (30 m)
- 433 MHz transmission frequency
- Operating Temperature of -40°-113° F (-40°-45° C)
- IP20 rated for damp or dry conditions
- Module pairs with up to four BMS401 and five WP4013

Motion Sensor Features

- Requires 2 AAA batteries (not included)
- 120° detection angle and 13-49 ft (4-15 m) detection range
- Transmission/reception range up to 98.4 ft (30 m)
- 433 MHz transmission frequency
- Operating temperature of -40°-113° F (-40°-45° C)
- IP20 rated for damp or dry conditions

Dimmer Switch Features

- Requires 1 CR2032 battery (not included)
- 120° detection angle and 13-49 ft (4-15 m) detection range
- Transmission/reception range up to 98.4 ft (30 m)
- 433 MHz transmission frequency
- Operating temperature of -40°-113° F (-40°-45° C)
- IP20 rated for damp or dry conditions

Available Models

Dimming Module

- PPA401S

Controls¹

- BMS401 (motion/occupancy sensor)
 WP4013 (wall dimming switch)

Certifications

The dimming module is UL Listed.
 All components are FCC compliant.



Application

Wireless dimming allows simplified and convenient control systems for a wide variety of applications including warehouses, garages, classrooms, hospitals, offices, conference rooms, basements, and any other places where commercial downlights or low/high bay lights are common.

Warranty

Five (5) Year Warranty

Specifications

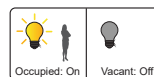
General Specifications	
Operating Temperature	-40°-113° F (-40°-45° C)
IP Rating	IP20
Radio Frequency	433.96 MHz
RF Range	98.4 ft (30 m)
PPA401S Specifications	
Input Voltage	120-277 VAC
Max. Output Current	10 A
Dimming	0-10 V
BMS401 Specifications	
Battery Type	AAA (x2, not included)
Detection Range	13.1-49.2 ft (4-15 m)
Detection Angle	120°
WP4013 Specifications	
Battery Type	CR2032 (x1 not included)

Functions



Dimming

Gives occupants the ability to set the light levels.



Occupancy/vacancy sensing

Turns lights on when occupants are in a space and dims lights to a low level or turns lights off when they vacate the space.



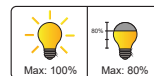
Personal dimming control

Gives occupants the ability to set the light levels.



Daylight harvesting

Dims electric light when daylight is available to light the space.



High-end trim

Sets the maximum light level based on customer requirements in each space.

¹At least one control is required in order to use dimming module.



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Rev V1 Date: 2/26/2021

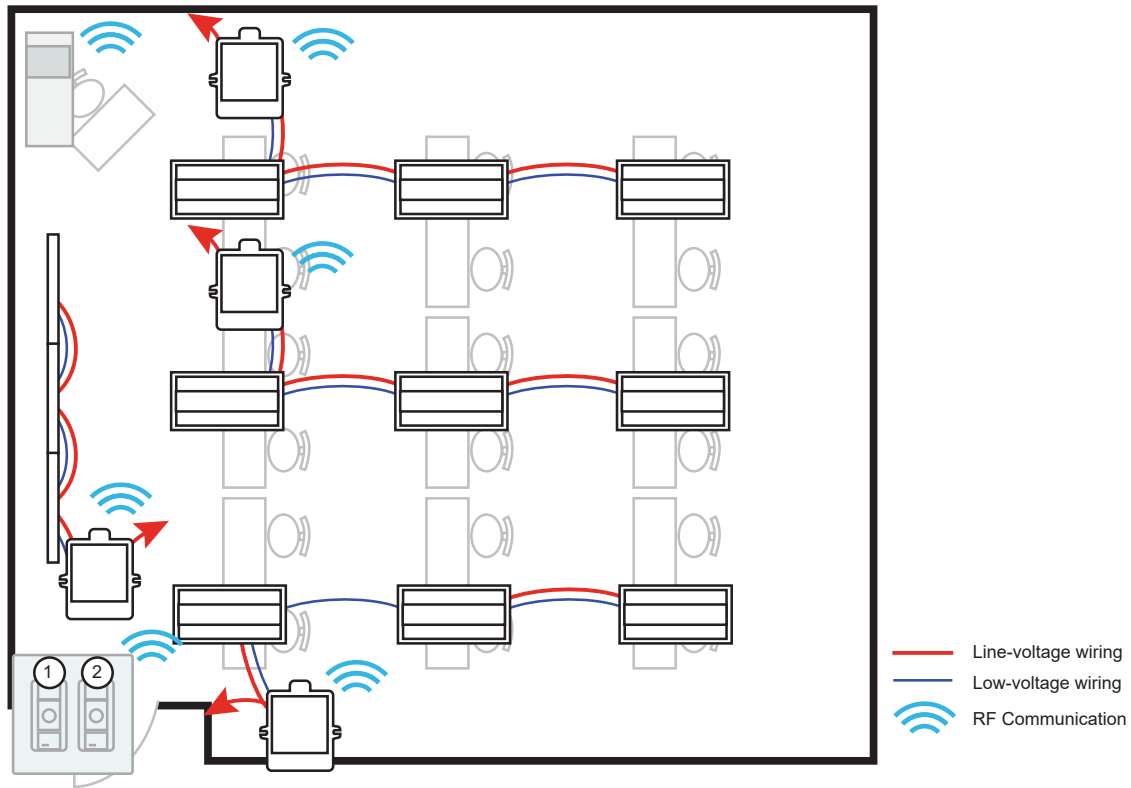
Specifications are subject to change without notice.

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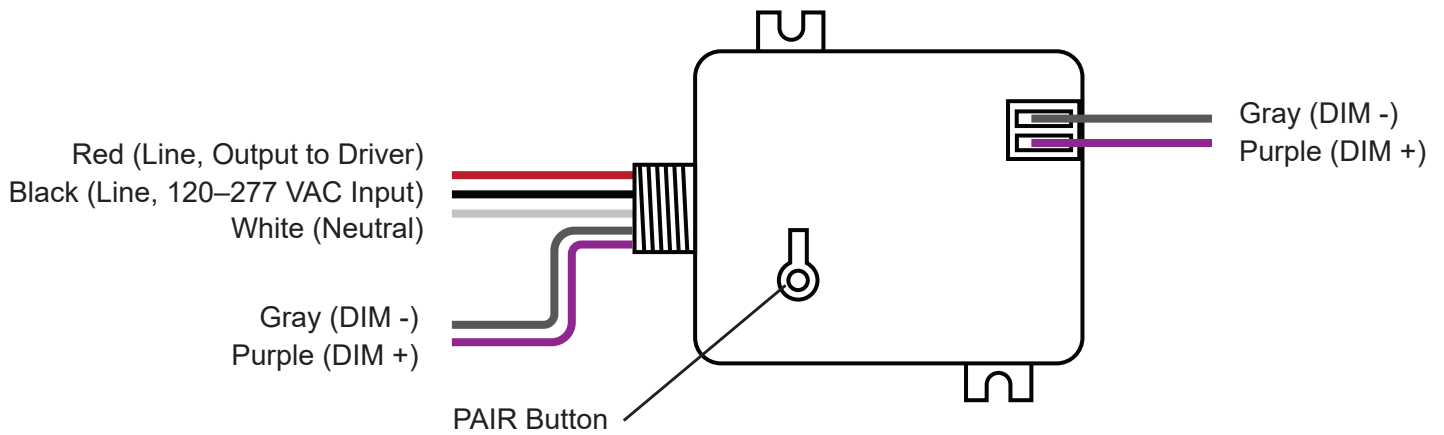
Vealite Series

0-10 V Wireless Dimming System

Typical Installation Diagram



Dimming Module Wiring



Vealite Series

0-10 V Wireless Dimming System

Dimensional Drawing

