

Wireless Control Phase Angle Dimmer

FDLR05BPD-CAS

Product Description

The wireless control phase angle dimmer provides flexible control of phase-dimmable lighting loads with selectable dimming modes for broad fixture compatibility. Combining installation simplicity with wireless Casambi control, it offers an efficient solution for upgrading existing spaces or deploying intelligent lighting in new projects.

Technical Data

Control Protocol: PHASE

Load Capacity / Voltage: 600W @ 120Vac

Input Voltage Range: 120 Vac

Max Mains Current: 2.5 A (LED) • 5 A (incandescent/halogen)

Input Frequency: 60 Hz

Additional Input / Output: Learn button • Clear button • Red LED (device identify)

Max Load per Load Type: 600W Incandescent/Halogen • Recommended 300W max for other dimmable lighting loads

Dimming Method: Phase angle • Selectable dimming mode • Selectable low dim threshold • Dim to off

Radio Tranceiver

BLE Frequency: 2.4 GHz



Mechanical Data

Environmental Rating: UL Accepted • NEMA 1

Ambient Temperature: Operating: -30 to 122°F • Max ambient: 50°C (122°F)

Humidity: 5 to 95% (noncondensing)

Dimension: 4.00"H x 4.00"W x 1.81"D with 0.50" NPT nipple

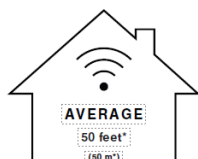
Wire Range Full Spec: 16", 600V rated • for supply connections use #12 AWG or larger rated at least 75°C (167°F)

Cable Length: 16"

Product Warranty: 5 years

Range

Average 50ft distance



*The wireless range of a Casambi unit is dependent on several factors; how it has been integrated into a luminaire, where it has been installed; taking into consideration surrounding obstacles such as walls and other building materials that may block signals. [Learn More](#)

Certifications

UL916 • C-UL • RoHS • FCC ID: 2ALA3-CBM003B • IC: 22496-CBM003B

Warning!

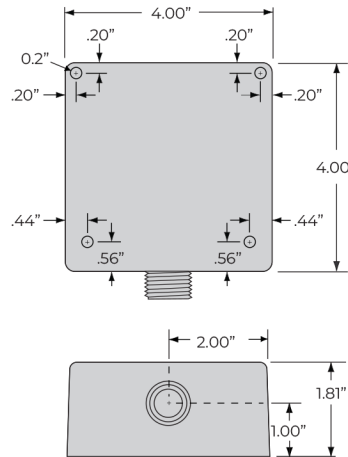


Hazardous voltages. Risk of electric shock or fire. Only qualified professionals should make the connections. Disconnect the mains power supply and verify its absence prior to installation.

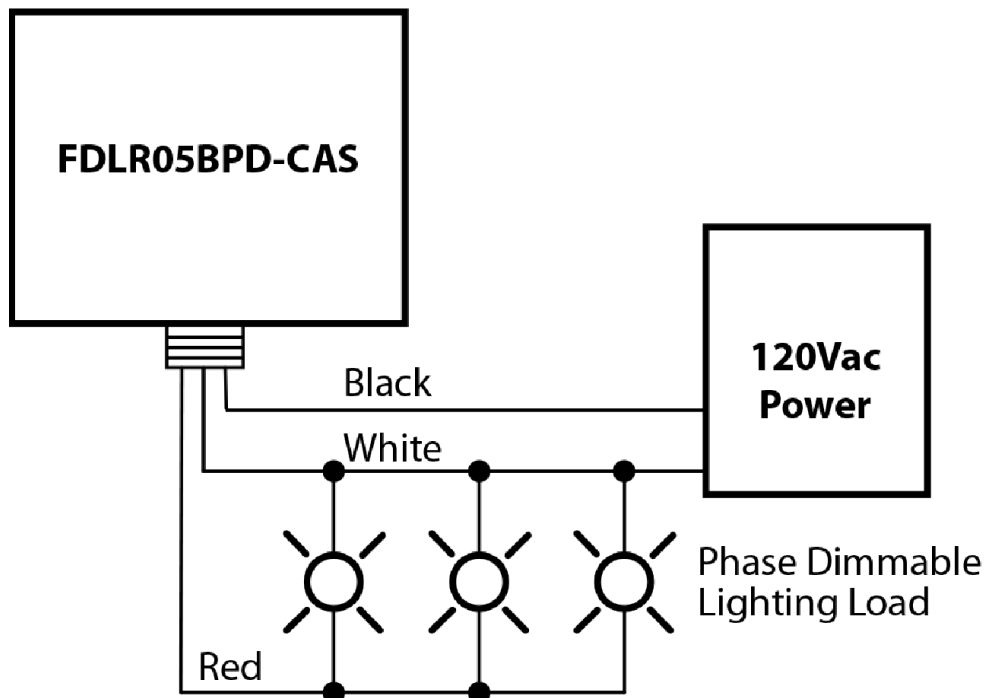
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Physical Dimensions



Wiring Diagrams



Scan the QR code to access the available spec sheets, wiring diagrams, and additional resources for this product.