

# Lumina® RF Load Control Devices



## DESCRIPTION

The Lumina® RF line of wireless Load Control Devices offers three models for 0-10V dimming, phase cut dimming and general purpose switching control including receptacle circuit control. The Lumina RF Load Control Devices wirelessly communicate via a mesh network to a Leviton Wireless Room Controller.

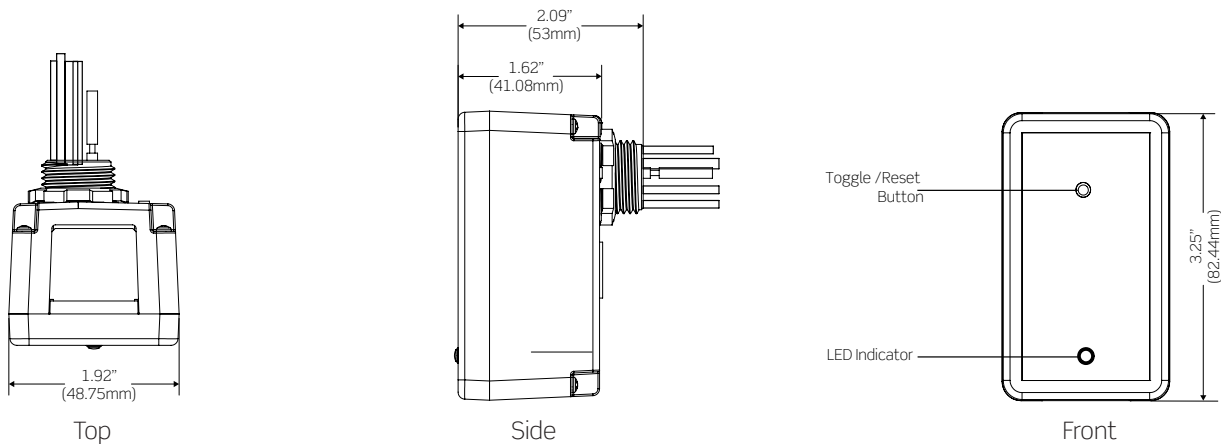
**Lumina RF 800W Phase Cut Dimming Power Pack (LU04P)** allows for dimming of full phase loads

**Lumina RF 10A 0-10V Dimming Power Pack (LU107)** can be used to dim any 0-10V controlled load

**Lumina RF 20A ON/OFF Switching Power Pack (LU20S)** is an ON/OFF relay that can be used for plug load control, motor loads, or non-dimming luminaires

All three load control devices are paired directly to a Leviton Room Controller for an advanced wireless lighting and room control system.

## DIMENSIONS



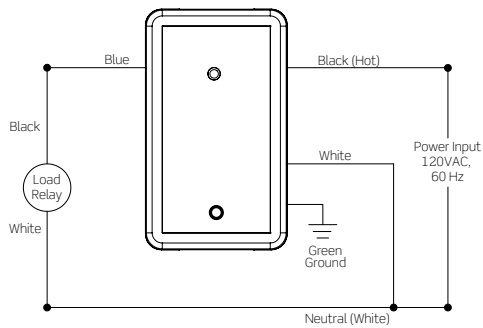
## FEATURES

- Wireless mesh network—self-healing mesh network has no hardwired backbone and connects all products together for a more robust and reliable wireless system
- Robust and reliable—mechanically held latching relay for high inrush (LED) and large commercial loads
- Compatible with multiple load types—LED, HID, inductive, fluorescent, etc.
- Integrated High Inrush Stability (H.I.S.) relay—designed to handle today's high inrush electronic ballast loads and offer unmatched durability and service
- LED status indicators
- Local toggle/test/program switch
- Complies with IEEE 802.15.4 standards—for domestic and international wireless networks
- Code compliant energy management functionality—can be used as a component in a system to meet energy code requirements for IECC, ASHRAE 90.1, and 2019 Title 24, Part 6 space/area control, dimming, manual-ON/OFF, occupancy/vacancy control and automatic shutoff requirements

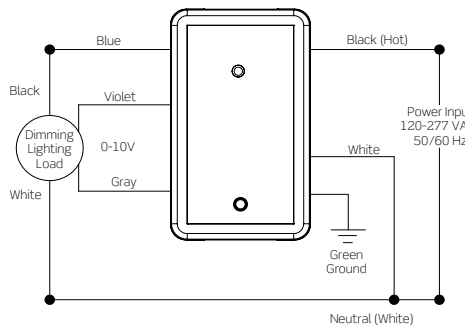
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# PRODUCT DATA

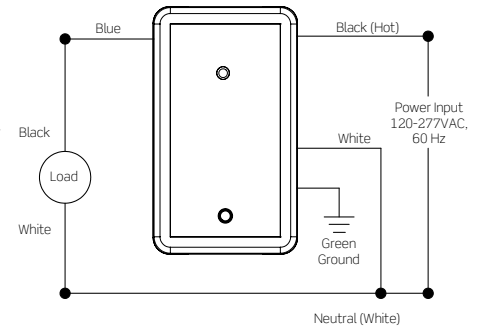
## WIRING DIAGRAMS



LU04P  
Phase Cut Dimming



LU107  
0-10V Dimming



LU20S  
Switching

## SPECIFICATIONS

| ELECTRICAL              | LU04P-1NW   | LU107-DNW   | LU20S-DNW  |
|-------------------------|---|---|--|
| Communication Frequency | 2.4 GHz   |   |  |
| Range                   | Up to 75' between Lumina RF devices   |   |  |
| Load Rating             |   |   |  |
| Input                   | 120V, 60Hz  | 120-277V, 50/60Hz   | 120-277VAC, 50/60Hz  |
| Output                  | Incandescent: 800W<br>LED/CFL/Elec. Ballast: 360W<br>Mark X: 800VA<br>MLV: 800VA  | LED/CFL/Elec. Ballast:<br>120V, 8A<br>LED/CFL/Elec. Ballast:<br>277V, 5A, 1385VA<br>Standard Ballast:<br>120-277V, 10A<br>Tungsten: 120V, 6.67A<br>120V 1/4 HP Motor (FLA 5.8A)<br>277V 1/3 HP Motor (FLA 3.0A) | General Purpose: 120V, 20A<br>LED/CFL/Elec. Ballast:<br>120V, 10A, 1200VA<br>LED/CFL/Elec. Ballast:<br>277V, 10A, 277VA<br>Standard Ballast: 120-277V,<br>10A<br>Tungsten: 120V, 6.67A<br>120V 1/4 HP Motor (FLA 5.8A)<br>277V 1/3 HP Motor (FLA 3.0A) |
| <b>ENVIRONMENTAL</b>    |   |   |  |
| Operating Temperature   | 30 to 122° F (0 to 50°C)  |   |  |
| <b>OTHER</b>            |   |   |  |
| Energy Codes            | Can be used as a component in a system to meet energy code requirements for IECC, ASHRAE 90.1, and 2019 Title 24, Part 6 space/area control, dimming, manual-ON/OFF, occupancy/vacancy control and automatic shutoff requirements |   |  |
| Listings                | FCC ID: W7Z-ZICM357SP0<br>IC: 8254A-ZICM357SP0<br>UL Listed; NOM Certified  | FCC ID: QGH-B167601<br>IC: 2473A-B167601<br>UL Listed; NOM Certified  | FCC ID: QGH-B167602<br>IC: 2473A-B167602<br>UL Listed; NOM Certified   |
| Dimensions              | 3.2" (82.44mm), 1.92" (48.75mm), 2.09" (53mm)   |   |  |
| Warranty                | 2-Year Limited  |   |  |

## ORDERING INFORMATION

| CAT. NO.  | DESCRIPTION                                 |
|-----------|---|
| LU04P-1NW | Lumina RF 800W Phase Cut Dimming Power Pack |
| LU107-DNW | Lumina RF 10A 0-10V Dimming Power Pack      |
| LU20S-DNW | Lumina RF 20A ON/OFF Switching Power Pack   |

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Visit our Website at: [www.leviton.com/luminarf](http://www.leviton.com/luminarf)

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