RadioRA 3 Lamp Dimmer

RadioRA 3 lamp dimmers are simple to install and easy to use. Lamp dimmers allow floor and table lamps to be added to a system quickly and easily using Clear Connect Type A RF Technology. They can conveniently be hidden behind furniture.

RadioRA 3 lamp dimmers use Lutron patented Clear Connect Type A RF technology which provides reliable, wireless communication with other RadioRA 3 devices. Each lamp dimmer can be controlled individually using a Pico wireless control. Using a RadioRA 3 processor allows devices to be part of a whole house solution that can be controlled remotely from anywhere in the world.

Features

- The reverse-phase lamp dimmer is trailing-edge capable of 1 W minimum load and up to 150 W or 1 A maximum of LED and 200 W of incandescent or halogen loads.

- Allows remote control from anywhere in the space when paired with Pico wireless controls.

- When used with a RadioRA 3 processor, the load controls can be programmed via the Lutron Designer PC Tool[1] and controlled via lighting scenes, scheduled daily events, the Lutron App[2], and other RadioRA 3 system features. The load controls can be controlled from anywhere in the world.

- To maximize energy savings and provide hands-free operation, the lamp dimmer can be turned on/off automatically via Radio Powr Savr occupancy/vacancy sensors.

Model Number	Frequency	Country/ Region
RR3K-P20-240G-XX*	868 MHz	UK

* See **Colors** on page 6.

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1 The PC tool requires a 32 or 64 bit processor running Windows 10, with a recommended minimum of 8 GB of RAM, 4 GB disk space, and a 2.67 GHz Core i5 processor.
2 The Lutron App is required for setup and use with the RadioRA 3 processor. The Lutron App is compatible with iOS and Android devices. See the Apple App Store and Google Play for the minimum version requirements.
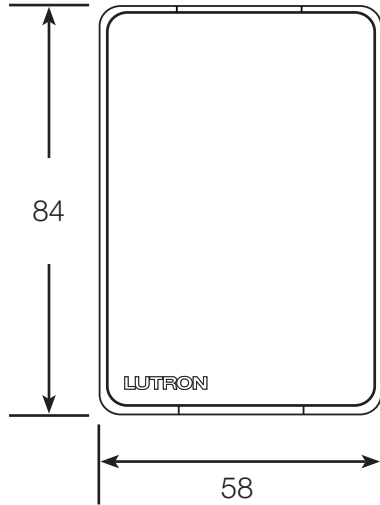
Customer Assistance:

RadioRA 3 Lamp Dimmer

Specifications

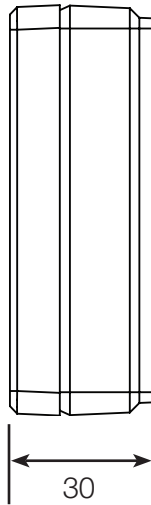|	
Power	220–240 V∼ 50/60 Hz
Typical Power Consumption	<0.5 W Test conditions: Load and LED are off
Communication Frequency	868 MHz
Regulatory Approvals	CE
Environment	Ambient operating temperature: 0 °C to 40 °C, 0% to 90% humidity, non-condensing. Indoor use only.
Communications	RadioRA 3 lamp dimmers communicate with the system through Radio Frequency (RF). They must be located within 18 m line-of-sight or 9 m through walls of a Pico wireless control, Radio Powr Savr sensor, processor, or wireless repeater.
ESD Protection	Tested to withstand electrostatic discharge without damage or memory loss, in accordance with IEC 61000-4-2.
Surge Protection	Tested to withstand surge voltages without damage or loss of operation, in accordance with IEEE C62.41-1991 Recommended Practice on Surge Voltages in Low-Voltage AC Power Circuits.
Power Failure	Power failure memory: should power be interrupted, the lamp dimmer will return to its previous state when power is restored.
Device Limits	With repeater: Up to 100 devices (e.g., load controls, Pico wireless controls, Radio Powr Savr sensors, shades, and repeaters) are supported per RF link. The processor counts as one device and four locations are reserved for wireless repeaters. **Note:** Load controls have load type and capacity limits. For more information, see **Load Type and Capacity**.
Warranty	www.lutron.com/europe/Service-Support/Pages/Service/Warranty
Regulatory Information	Rated IP20, Pollution Degree 2 Degree of protection against electric shock: Class II appliance Single-pole, single load Forced cooling is not required Rated Impulse Voltage: 2500 V Internal non-resettable Fuse Rating is 3.15 A/240 V∼ Material Group IIIa 175<PTI<400 Glow Wire Level 1 Continuous Duty-type S1 LED load ratings derived from IEC 60669-1: 150 W with 9 A^2s inrush

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Dimensions

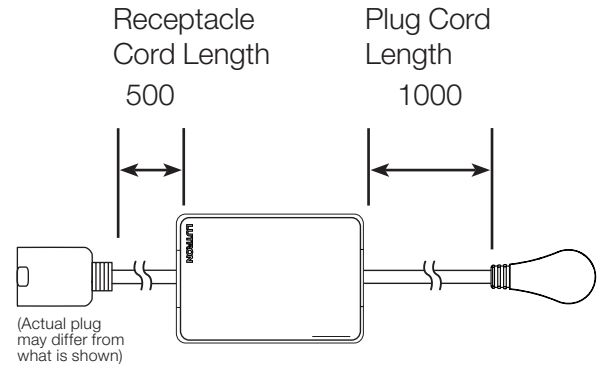All dimensions are shown as: mm. Images below are for reference only.
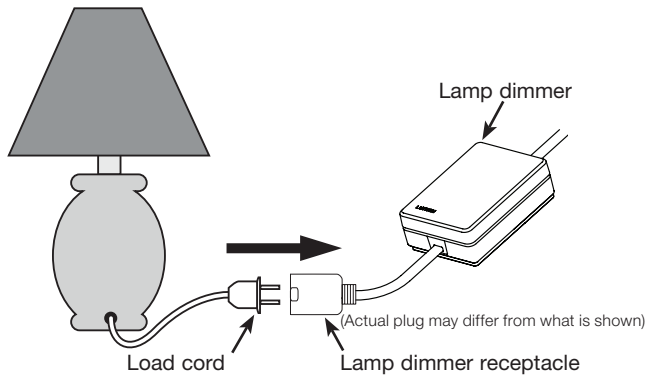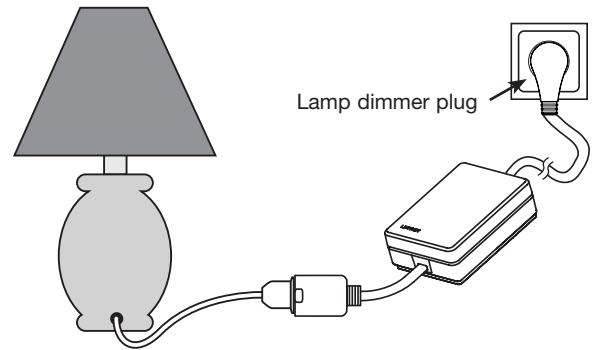
Front View

84

58

Side View

30

Cord Length

Receptacle Cord Length
500

Plug Cord Length
1000

(Actual plug may differ from what is shown)

RadioRA 3 Lamp Dimmer

Installation

Plug the load cord into a lamp dimmer receptacle.

Lamp dimmer

(Actual plug may differ from what is shown)

Load cord   Lamp dimmer receptacle

Insert the plug of the lamp dimmer into the wall outlet.

Lamp dimmer plug

Load Type and Capacity

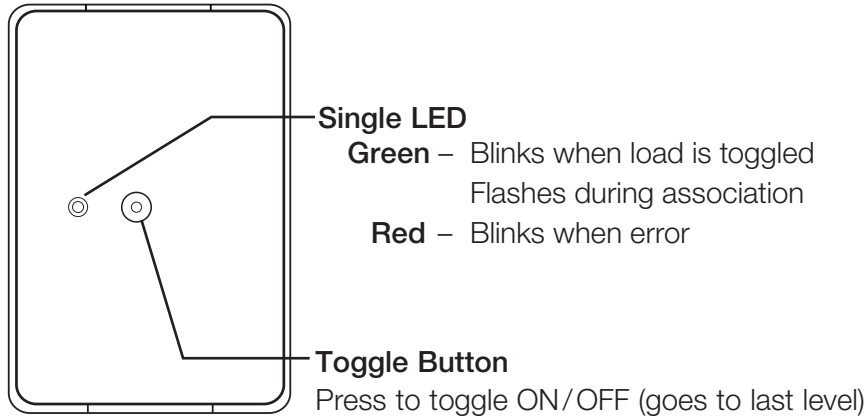| Voltage	Load Types
220–240 V~ 50/60 Hz	1 A 200 W – Incandescent, halogen ☼ 1 A 150 W – LED*

NOTE: The lamp dimmer is designed to dim one incandescent, LED, or tungsten halogen table or floor lamp. Use with lighting loads only. It is recommended to plug the lamp directly into the dimmer receptacle and not through a multi-plug adaptor, power strip, or extension cord. Do not use to control a lamp that contains an integral dimmer or a touch lamp. For a lamp with an integral 3-way switch, the switch should be set to full on position. The lamp dimmer may not work with dioded light bulbs. Always use a load that complies with the **Load Type and Capacity** table above. Always use a light bulb that remains within the wattage rating of the light fixture. The lamp dimmer is compatible with trailing edge loads. Not rated for magnetic low-voltage (MLV) loads.

* LED Load Capacity: LED current ratings must be below 1 A. If no current rating is available, wattage must be below 150 W.
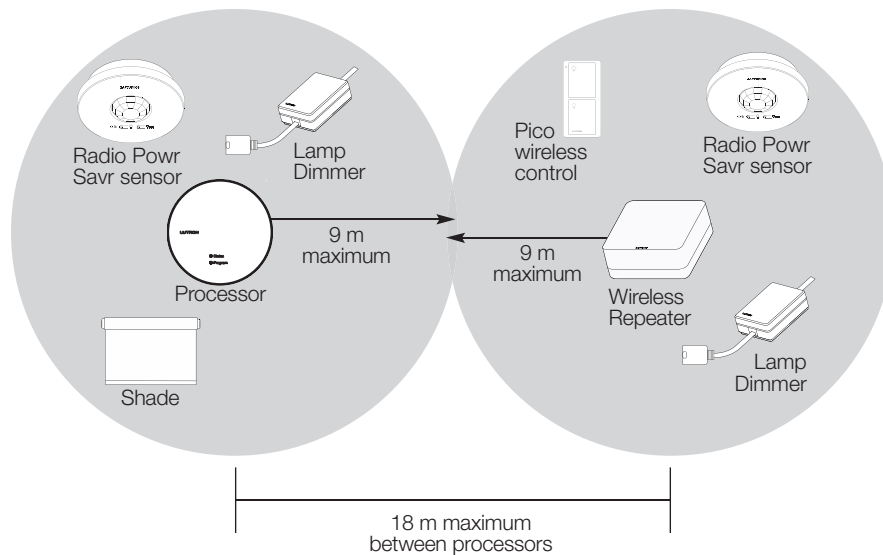
RadioRA 3 Lamp Dimmer

Operation

Lamp Dimmer

Single LED
Green – Blinks when load is toggled
Flashes during association
Red – Blinks when error

Toggle Button
Press to toggle ON / OFF (goes to last level)

RF Range

Radio Powr Savr sensor

Lamp Dimmer

Processor

9 m maximum

Shade

Pico wireless control

Radio Powr Savr sensor

9 m maximum

Wireless Repeater

Lamp Dimmer

18 m maximum between processors

All devices must be located within 9 m of a RadioRA 3 processor or wireless repeater. The range can be extended with up to four wireless repeaters on a single RF link.

Customer Assistance:
+44.(0)20.7702.0657 (UK & Europe)

RadioRA 3 Lamp Dimmer

Model Numbers

RR3K-P20-240G-<u>xx</u>

Color

Colors
BL = Black
AW = Arctic White