

Lutron Specification Submittal

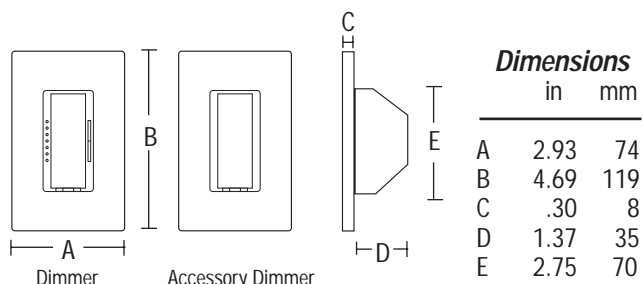
RadioRA Multi-Location Dimmer with Neutral for Incandescent and Magnetic Low-Voltage Lighting Loads, Interface Modules and Power Boosters

RAN-600LM, RA-AD

Model No.: RAN-600LM- RA-AD-

Gloss Colors: White Ivory ALmond Light Almond GRay BRown BLaack

Satin Colors: HoI KiWi OChre LiLac TerraCotta Desert Stone STone LimeStone
 Blue MisI Sea Glass MidNight TauPe EggShell Blscuit SnoW



Note: Dimmers shown with Lutron Designer Wallplate

► Specifications

POWER	Input : 120/127VAC, 50/60Hz (requires a neutral wire connection)
MOUNTING	1-gang US wallbox
TEMPERATURE	32-104°F (0-40°C)
DESIGN	Use Lutron Claro® or Satin Colors™ wallplates or standard decorator-style wallplates
SYSTEM MAX.	32 Dimmers/Switches/GRAFIK Eye® Interfaces (does not include RA-AD Accessory Dimmers or RA-AS Accessory Switches)
LOAD TYPE	Incandescent and magnetic low-voltage (directly)
ADDL. LOADS	To dim high-wattage loads or specialty loads (electronic low-voltage over 500W, fluorescent, or neon/cold cathode), use RAN-600LM with the appropriate Lutron interface: NGRX-PB, ELVI-1000, GRX-FDBI, or HP-2,4,6. Contact the Lutron Hotline for more information.
MAX. CAPACITY	600W (may be increased with Power Boosters)
MIN. LOAD	10W
AUXILIARY CONTROLS	Use up to 9 RA-AS Accessory Switches for 3-way and 4-way applications

For multi-gang installations, derate load capacities as follows:

Model No.	End of Gang (1 side section removed)	Middle of Gang (2 side sections removed)
RAN-600LM*	500W	400W
RA-AD	Does not require derating	Does not require derating

*No derating required when controlling Power Boosters and Interfaces.

NOTE: In rare instances, certain lamp types can buzz or hum when dimmed.

To reduce lamp buzz, use Lutron Lamp Debuzzing Coil with RadioRA Multi-Location Dimmer with Neutral.

► Features

- Multiple location dimming from Dimmer and Accessory Dimmer.
- Lights fade up or down over 3 seconds when turned on or off.
- Double tap instantly brings lights to full on.
- Long tap (press and hold for 1/2 second) fades lights to off over 10 seconds.
- Light levels can be fine-tuned by pressing and holding the dimming rocker until desired light level is reached.

► Function

- Allows local control of one circuit of lights in a RadioRA system to:
- turn lights on or off
 - adjust light intensity

► Flexibility

- Uses conventional 3-way and 4-way wiring.

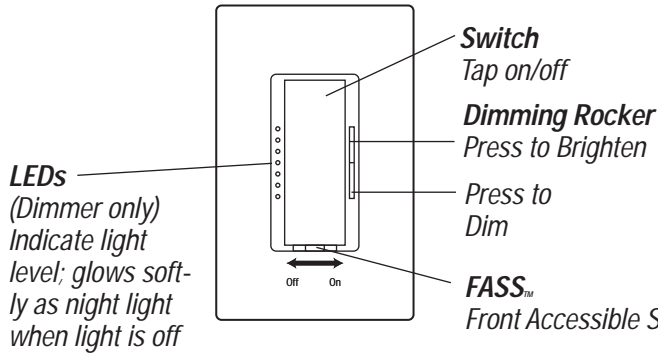
► Reliability

- Dimmers always operate locally and do not require central system control.

Have Questions? Call the Lutron Hotline 24/7 at 800-523-9466, or visit the Lutron website at www.lutron.com



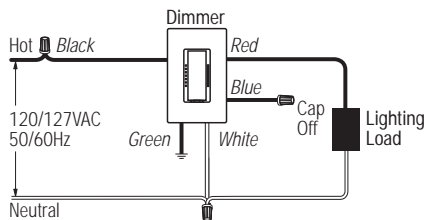
► **Dimmer Operation**



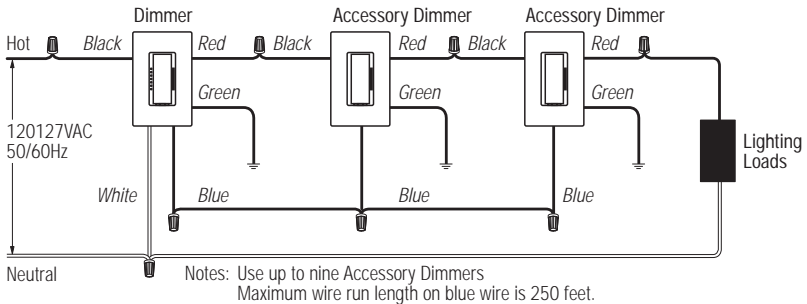
IMPORTANT NOTICE:
FASS™ - Front Accessible Service Switch - to replace bulb, remove power by sliding FASS switch to the left on either the Dimmer or any Accessory Dimmer.

► **Wiring Diagrams**

Single-Location Installation

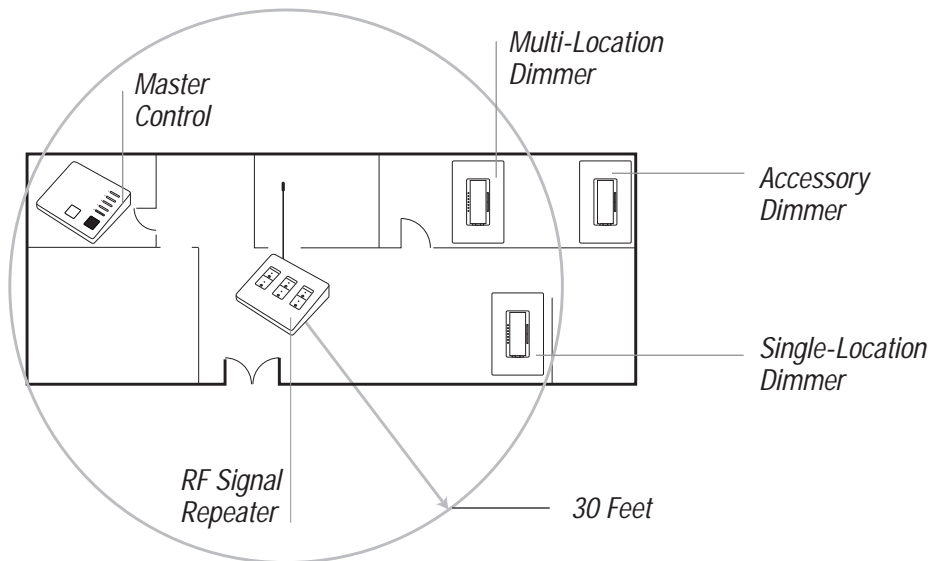


Multi-location Installation



Ground Wire Connectors

► **RadioRA System Overview**



Notes:

- RadioRA Dimmers must be located within 30 feet of an RF Signal Repeater.
- RadioRA Accessory Dimmers (RA-AD) are not required to be within any specific range of an RF Signal Repeater.

► **Limited Warranty**

Lutron will, at its option, repair or replace any unit that is defective in materials or manufacture within one year after purchase. For warranty service, return unit to place of purchase or mail to Lutron at 7200 Suter Rd., Coopersburg, PA 18036-1299, postage pre-paid. THIS WARRANTY IS IN LIEU OF ALL OTHER EXPRESS WARRANTIES, AND THE IMPLIED WARRANTY OF MERCHANTABILITY IS LIMITED TO ONE YEAR FROM PURCHASE. THIS WARRANTY DOES NOT COVER THE COST OF INSTALLATION, REMOVAL OR REINSTALLATION, OR DAMAGE RESULTING FROM MISUSE, ABUSE, OR IMPROPER OR INCORRECT REPAIR, OR DAMAGE FROM IMPROPER WIRING OR INSTALLATION. THIS WARRANTY DOES NOT COVER INCIDENTAL OR CONSEQUENTIAL DAMAGES. LUTRON'S LIABILITY ON ANY CLAIM FOR DAMAGES ARISING OUT OF OR IN CONNECTION WITH THE MANUFACTURE, SALE, INSTALLATION, DELIVERY, OR USE OF THE UNIT SHALL NEVER EXCEED THE PURCHASE PRICE OF THE UNIT. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

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