

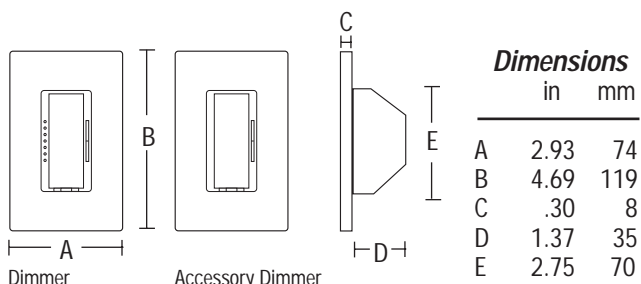
RadioRA Multi-Location Dimmers for Electronic Low-Voltage Lighting Loads

RAELV-500LM, RA-AD

Model No.: RAEV-500LM- RA-AD-

Gloss Colors: White Ivory ALmond Light Almond GRay BRown BLack

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



Note: Dimmer shown with Lutron Designer Wallplate

► Specifications

POWER	Input: 120/127VAC, 50/60Hz
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	Electronic Low-Voltage and Incandescent
MIN. LOAD	40W
MAX. LOAD	500W
AUXILIARY CONTROLS	Use up to nine RA-AD (Accessory Dimmers) 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)
RAELV-500LM	450W	400W
RA-AD	no derating required	no derating required

► Features

- Multi-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 the 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

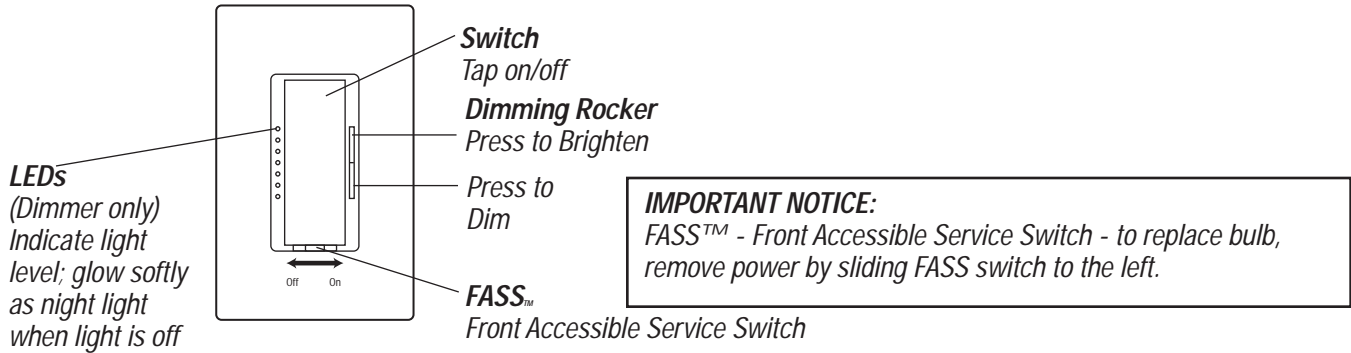
► Flexibility

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

► Reliability

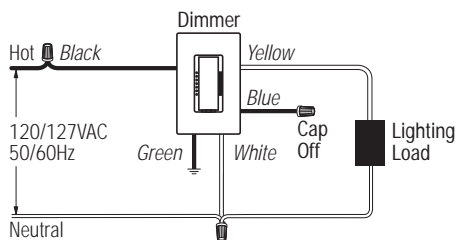
- Dimmers always operate locally and do not require central system control.

► **Dimmer Operation**

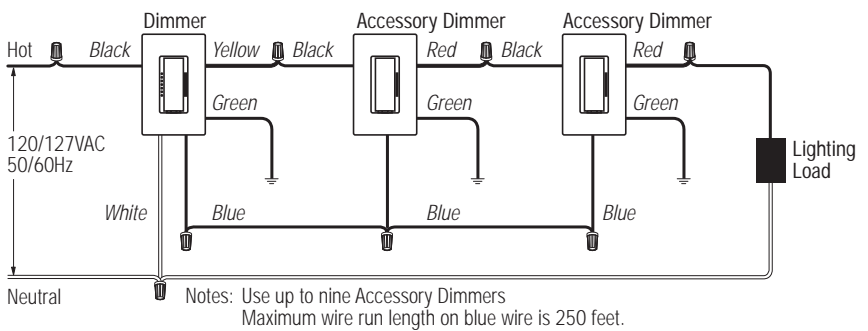


► **Wiring Diagrams**

Single-Location Installation

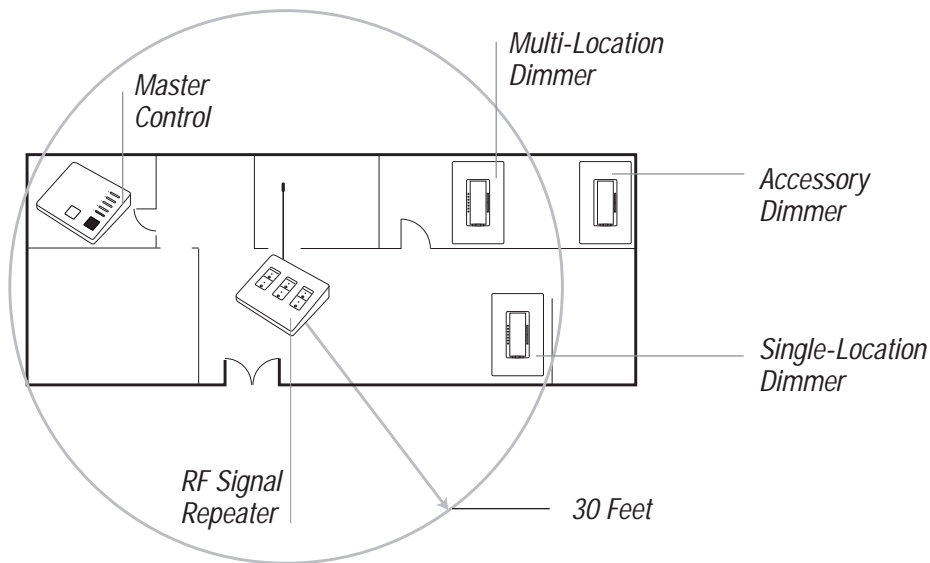


Multi-Location Installation



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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