

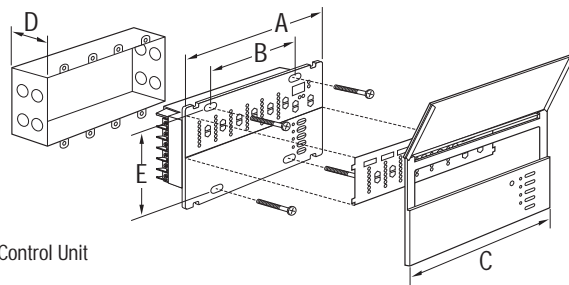
# Lutron Specification Submittal



## Control Unit (Available February, 2002)

RA-GRX-3, RA-GRX-4, RA-GRX-6

Model No.:	<input type="checkbox"/> RA-GRX-3-	<input type="checkbox"/> RA-GRX-4-	<input type="checkbox"/> RA-GRX-6-
Cover Options:	<input type="checkbox"/> Opaque (A-)	<input type="checkbox"/> Translucent (T-)	
Gloss Colors:	<input type="checkbox"/> Gloss <u>W</u> hite	<input type="checkbox"/> Gloss <u>L</u> ight <u>A</u> lmond	<input type="checkbox"/> Gloss <u>A</u> lmond <input type="checkbox"/> Gloss <u>I</u> vory
Matte Colors:	<input type="checkbox"/> <u>W</u> hite	<input type="checkbox"/> <u>I</u> vory	<input type="checkbox"/> <u>B</u> eige <input type="checkbox"/> <u>G</u> ray <input type="checkbox"/> <u>B</u> rown <input type="checkbox"/> <u>B</u> lack



Control Unit

### 3-Zone Dimensions

	in	mm
A	6.69	168
B	3.63	92
C	7.25	184
D	3.5	89
E	3.31	85

### 4- and 6-Zone Dimensions

	in	mm
A	8.31	208
B	5.44	138
C	8.94	227
D	3.5	89
E	3.31	85

### ► Specifications

<b>POWER</b>	Input: 120/127VAC, 50/60 Hz
<b>MOUNTING</b>	See Diagram Above
<b>TEMPERATURE</b>	32-104°F (0-40°C)
<b>RadioRA SYSTEM MAX.</b>	Total of 32 Dimmers, Switches or GRAFIK RAs A maximum of 14 wired wallstations per GRAFIK RA link.
<b>LOAD TYPES</b>	Direct square law dimming or on/off control of: Incandescent, Tungsten, Magnetic Low Voltage Transformer, Lutron Tu-wire electronic fluorescent dimming ballast, Neon and Cold Cathode. Dimming control of the following with power interface: Electronic Low Voltage
<b>COMMUNICATION</b>	2-way status feedback from GRAFIK RA Control Units to RadioRA Master Controls. Low-voltage Class 2 (PELV) wiring connects Control Units, Wallstations and control interfaces.
<b>GRAFIK Eye ADDRESSING</b>	A GRAFIK RA Control Unit will always occupy accessory address number 15 on the GRAFIK Eye link. This can not be changed and only one GRAFIK RA may be installed per wired link.

### ► Pre-Wiring for GRAFIK RA Control Units

Mount appropriate wallbox. Pull power wiring from distribution panel and to light fixtures as shown (on reverse). Pull two twisted pair #18 for system wiring:

1. DATA LINK: Twisted pair (2-conductor cable Beldon 9740 to non-plenum jobs, and Beldon 82740 for plenum jobs).
2. LOW VOLTAGE POWER WIRING: Two #18 conductors for common and 12VDC

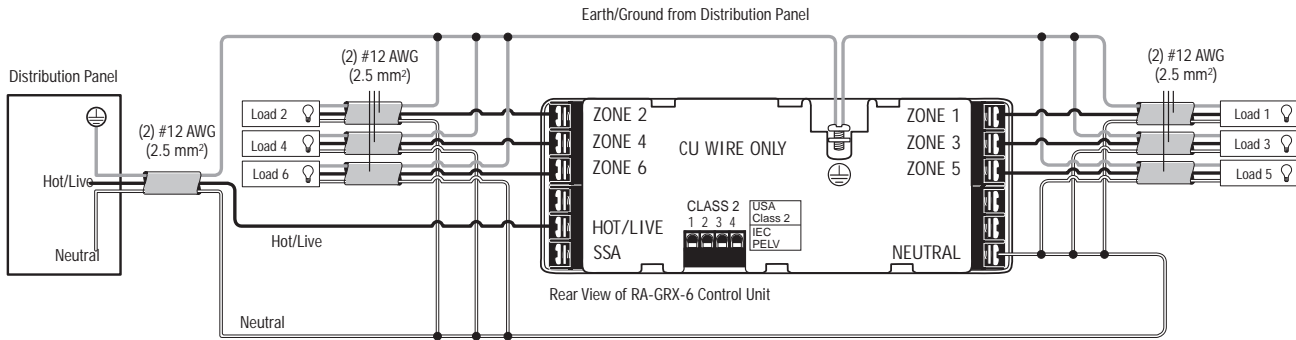
### ► Function

- Integrates with the RadioRA system without an interface.
  - Provides push button recall of four preset lighting scenes.
  - Twelve additional scenes are stored in the Control Unit to be accessed from wallstations, RadioRA Master Controls and control interfaces.
  - Light levels fade smoothly between scenes. Fade time 0-59 seconds or 1-60 minutes. Can be set differently for each scene.
  - Provides lockout functions to prevent accidental changes.
  - Control units provide standard setup via pushbuttons on the unit, including setting light levels in 1% increments.
  - Includes built-in infrared receiver for operation with an optional remote.
  - Faceplate snaps on with no visible means of attachment.
  - Up to 7 additional GRAFIK Eye Control Units can be added to the link to control up to 48 zones of light in a room. All control units (GRAFIK RA and GRAFIK Eye) will respond together to any command sent from the RadioRA system.
  - Each Control Unit can power up to 3 wall stations.
  - Compatible with all GRAFIK Eye 3000 Series accessories.
- ### ► Reliability
- GRAFIK RA Control Units always operate locally and do not require central system control.

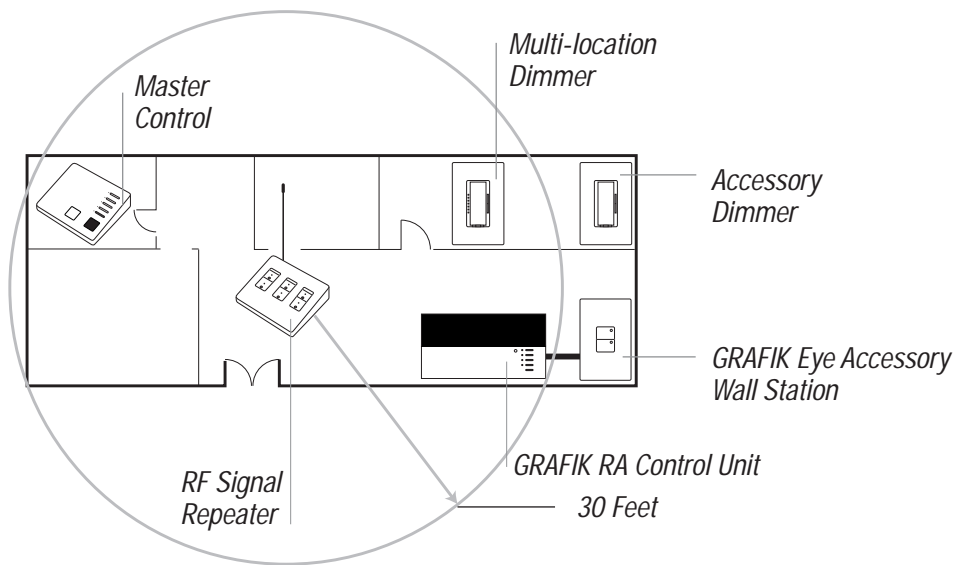
Have Questions? Call the Lutron Hotline 24/7 at 800-523-9466, or visit the Lutron website at [www.lutron.com](http://www.lutron.com)



► **Wiring Diagram**  
 GRAFIK RA Control Unit Wiring



► **RadioRA System Overview**



**Notes:**

- RadioRA and GRAFIK RA Units must be located within 30 feet of an RF Signal Repeater.
- RadioRA Accessory Dimmers, Accessory Switches and GRAFIK Eye® wallstations do not need to be within 30 feet of a 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.

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