





### Challenges in doing business globally

As the world gets smaller, your job requirements are getting bigger. You are constantly working on projects involving players from several continents. There are more details to attend to, more variables to consider, and more stakeholders to work with across space and time.

### **Culture and geographical challenges:**

- Language barriers
- Working across time zones
- · Varying environmental/climate conditions
- Metric measurements vs English measurements
- · Local standards and codes

### **Technical challenges:**

- · Different local light fittings/fixtures
- · Varying voltages, frequencies, wiring methods, and electrical backbox form factors
- Unfamiliar manufacturers of light fittings/fixtures, wiring devices, A/V equipment, building management systems, thermostats, and other equipment when trying to integrate systems

### **Global consistency requirement from clients:**

- · Demand for consistent experience around the world
- LEED® and other "green" standards

Sound familiar? Rest assured.

The Lutron GPS<sub>m</sub> (Global Project Solutions) team, made up of sales staff, application engineers and service personnel all over the world, can help you.





### **Lutron GPS... team**—Your global partner in delivering the best-in-class total light management solutions

In 1961, Lutron sold its first newly invented solid-state light dimmer. With this product, Lutron began its journey to becoming the worldwide leader in light control technology. Today, after years of working with clients all over the world, we are still dedicated to the same goal-offering our customers the most complete line of lighting control and shading solutions that meet or exceed their expectations, while staying within the budget.

Whether in New York, London, Dubai, Mexico City, Singapore, or anywhere else, you can be confident the **Lutron GPS team** is there to help you deliver the best light control solution for every project, from start to finish.

- 02 **Global locations**
- 04 Global project example
- 06 Case study
- 07 Prestigious projects list
- 80 The Lutron difference
- 10 Expandable, energy-saving light control solutions
- 12 Global product guide
- 14 Global support reference guide







### Global locations

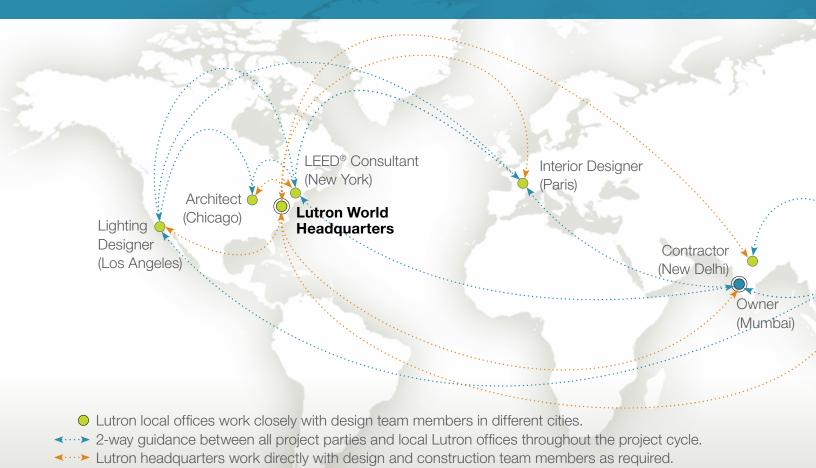
# The **Lutron GPS**... team supports you in virtually every country and region in the world





### Global project example

## Let the **Lutron GPS** team help you navigate the project from start to finish—anywhere in the world



From years of experience with global projects, we understand that no two projects share exactly the same process. That's why the **Lutron GPS team** is available to help coordinate the project whenever and wherever it is necessary. Our goal is to achieve the result you envision for your client.

Throughout the process, the Lutron GPS team will

- collaborate on analyzing client needs and identifying the best solutions to meet project objectives and budgets
- play a proactive role in project team communications
- · provide conceptual and detailed proposals on light control solutions
- participate in job coordination meetings on light control solutions
- offer 24/7 multilingual technical support



### The Lutron GPS team will help you manage any project by working with everyone on the design team, no matter where they are located.

#### **Architect**

- Listen and understand project requirements
- · Make value proposals, budget estimates, design assistance to meet project requirements
- Coordinate mock-ups when required
- Identify energy-saving light control strategies and solutions that can contribute to LEED® certification
- Provide global support to the design team

### **Interior Designer**

- · Harmonize with the design through colors/finishes, styles and fabric choices
- · Coordinate technical issues such as the pocket size for shades, and strategies for minimizing wall clutter

### **Consulting Specifying Engineer**

· Assist with drawings, submittals, specifications, budget estimates, and equipment selection

### **Lighting Designer**

- Present control options
- · Assist with drawings, submittals, specifications, budget estimates, and equipment selection

### **LEED®** or Sustainability Consultant

· Identify energy-saving light control strategies and solutions that can contribute to LEED® certification

### Contractor

- · Review the specification and project design, and explain how the system is wired
- Assist with identifying local distributors
- Coordinate lead times and delivery
- Help with factory commissioning, pre-wire, installation, and post-installation

### **Owner**

- Provide a solution with the highest quality and lowest life-cycle cost
- 8-year warranty program available
- Provide 24/7 technical support
- Provide global support to the project

We can also work closely with equipment and service providers of building management systems, information technologies, audio/video systems, etc.

### Case study

### Bank of China—Beijing, China A story of successful team effort





We have been working on projects worldwide for a long time. The Bank of China headquarters building, which was completed about 10 years ago, is an example of how we take pride in helping turn your vision into reality.

### The Scenario

The Bank of China, Beijing, needed a lighting control solution to handle the complex lighting demands of this architecturally and culturally significant project.

### The Design Team

The Bank of China in Beijing was a collaboration of key experts in the industry:

- Architect: Pei Partnership Architects, New York
- Lighting designer: Jerry Kugler of Kugler Tillotson Associates, New York
- Mechanical and electrical engineer: JB&B, New York
- Local architect: China Academy Of Building Research Architectural Design Institute, Beijing
- · Contractor: China State Construction, Beijing
- · Distributor: William Artists, Hong Kong

### **Local Lutron Presence**

Lutron China and US teams coordinated between the stakeholders all around the world, and were able to meet and exceed all expectations including:

- voltage standards
- · regulations and specification standards
- software support
- speaking the language of the key people
- advising on local design requirements
- · ease of use
- · vast energy savings

### The Requirements

- Precise and reliable control of lighting to reveal the architectural details of the building, and help guide occupants and visitors through the space
- · Local control, including override of universal presets
- · A design to withstand power quality problems
- Line noise reduction
- Energy conservation
- Extended lamp life
- · Ability to meet present and future lighting challenges

### **Lutron Service**

Lutron presented the features and benefits of its solution on the construction site. The owner and the design team were impressed with the benefits of Lutron light control technologies, especially the RTISS technology (see page 08). Lutron coordinated efforts between the architect, mechanical and electrical engineer, and the lighting designer to come up with an integrated control solution to meet the owner's needs. Over 5,000 lighting circuits were controlled to create an innovative and reliable lighting control solution, which has stood the test of time.

#### The Result

A combination of traditional Chinese elements with an inspired brand of corporate modernism, The Bank of China headquarters is a highly recognizable symbol of modern China.

"Lutron provided support, reliability, and a great team effort. I have years of experience with them, and I knew they would support a client halfway around the world. And they have."

### Prestigious projects list

## Lutron light control systems are installed in many of the world's most prestigious structures.

Below is a sampling of projects worldwide with Lutron products installed.

#### **Convention Centers**

Chivas Stadium, Guadalajara, Mexico Ponce Convention Center, Puerto Rico The Sands Convention Center, Singapore Thyagraj Stadium, New Delhi, India

### **Corporate Offices**

Bank of America Tower, New York, USA International Financial Center, Hong Kong JP Morgan, Lima, Peru Microsoft Corporate Office, Gurgaon, India World Financial Center Shanghai, China

### **Entertainment Venues**

Legoland, Günzburg, Germany National Theater London, England Waves Cinemas, India

### **Educational Institutions**

Harvard University, Cambridge, USA
King Abdullah University of Science and
Technology (KAUST), Thuwal, Saudi Arabia
Manchester University, England
Taiwan University, Taiwan
Yale University, New Haven, USA

### **Government Buildings**

Department of Trade and Industry, England Federal Ministry of Defense, Germany National Police of Colombia, Bogotá, Colombia The White House, USA

#### Hotels

Casino Thunderbird, Lima, Peru Four Seasons Hotels, Worldwide InterContinental Asiana Saigon, Ho Chi Minh City, Vietnam Mandarin Oriental Beijing, China Marriott Ahmedabad, India The Palm Jumeirah, Dubai, UAE The Ritz Carlton Tokyo, Japan Venetian Resort Hotel, Macau

### Museums

Asian Civilization Museum, Singapore National Museum of Chinese History, Beijing, China The British Museum, London, England

### **Public Buildings**

Landmark Tower, Yokohama, Japan Millennium Bridge, Gatehead, England Statue of Liberty, New York, USA

### Restaurants

Armani Exchange Café, Hong Kong Centro 360 @ One Fullerton, Singapore Geoffrey Restaurant at Ansal Plaza, Ludhiana, India Hard Rock Cafés, Worldwide

### **Retail Environments**

Apple Stores, Worldwide
Centre Stage Mall, Noida, India
Dolce & Gabbana Stores, Worldwide
Giorgio Armani Store Tokyo, Japan
Harrods of London, England
La Garzota, Guayaquil, Ecuador
Louis Vuitton Stores, Worldwide

### The Lutron difference

Everything we do at Lutron is based on our five principles.

Take care of the customer Take care of the company Take care of people Innovate with a high standard of quality Deliver value to the customer



### Innovation

Lutron owns more than 250 patents and manufactures more than 15,000 products. For half a century, we have met and exceeded the highest standards of quality and service. Clear Connect™ RF Technology is one example of our innovation.

In 2008, Lutron introduced Clear Connect RF Technology our latest advancement in reliable radio frequency (RF) communication. With seven RF-specific patents, Clear Connect RF Technology ensures reliable wireless communication between components, allowing for easy-to-install, versatile solutions for new construction and renovation.



Clear Connect RF Technology is built into many new Lutron products, including the popular Radio Powr Savr<sub>TM</sub> wireless sensors

### **Performance**

More than 10 years ago, Lutron invented RTISS (Real-time Illumination Stability System) technology to address the issue of international power quality, specifically power line noise and its negative effect on dimmers. RTISS filters out line noises to the dimmer to ensure consistent, quality dimming performance regardless of local power conditions.



### Conformance

Lutron international products meet or exceed the applicable standards around the world, giving you peace of mind.





























International-style wallstations and matching accessories provide a consistent look in the design.

### **Aesthetics**

Our product design starts with the customers, not the engineers. Lutron products are designed with functional, aesthetic, ergonomic and cognitive considerations in mind. The result is intuitive and timeless products.

### Quality

Our commitment to quality starts with the components we use and is completed by the processes we follow. For instance, we performance-test 100% of our products to meet our own rigid quality standards. Customers receive products that have been tested to work the first time, every time.

### A history of sustainability

At Lutron, sustainability is not a new concept. Since 1961, every Lutron product has been designed with industry-leading technology that saves energy and reduces greenhouse gas emissions.

### Each year, Lutron solutions save over 9 billion kWh of energy.\*

That's equivalent to saving:

- · over 1 billion dollars in energy costs;
- as much energy as 2,000 windmills produce in one year;
- · enough energy to light 4.5 million homes for one year; or
- as much CO<sub>2</sub> as 2 million acres of trees absorb in one year.

Lutron solutions can contribute up to 40 of the 110 possible LEED® points in NC (New Construction and Major Renovations). Our local LEED® professionals can help you with projects anywhere in the world.

Visit www.lutron.com/LEED for more information.

\* Sources: Con Edison, Massachusetts Institute of Technology, Lutron sales data, and U.S. Department of Energy.





### Expandable, energy-saving light control solutions

## From a single-room to an entire building, Lutron provides completely expandable light control solutions.





### **Basic standalone solutions**

- Simple, standalone light controls that are perfect for retrofit applications with easy installation and setup
- The simplest and lowest-cost way to start saving energy





### Single-space solutions

 Combine wireless occupancy sensors, daylight sensors, and dimming controls for a simple lighting system that saves energy and improves productivity





### **Small-area solutions**

 Combine light and shade control to build wireless mini-systems that improve the usability of a multi-purpose space and save more energy





### Tie multiple rooms together—up to an entire floor

- Expand the system with digitally addressable dimming ballasts for significant yearly savings from reduced energy costs, increased lamp life, and lower maintenance costs
- Change lighting fixture groups as floorplan changes, with no need for rewiring





### Control an entire building or campus

 Manage, monitor and report on all the lighting energy usage in a building for optimal energy performance and increased productivity, while minimizing maintenance and operating costs

## Each year, Lutron introduces innovative, new products to the global market.



### Global guestroom light control solution

The intuitive guestroom solution is a cost-effective, simple-to-install lighting and shading solution for hotel guestrooms. Available in both wired and wireless options for new construction or renovations, this solution saves energy and puts control of room lighting in the hands of the guest. It can also integrate easily with other guestroom technologies.



### Quantum<sub>®</sub> total light management

Quantum total light management solution manages both electric light and daylight to not only save energy and simplify operations, but also improve the comfort and productivity of the people in the building. The unique Green Glance® software (shown above) demonstrates the real-time environmental and energy savings that result from Quantum installations.

With Quantum, The New York Times Building ➤ is using 70% less lighting power than designed.





## Global product guide 1

• NEW!	100 V / 200 V	220V-240V <sup>2</sup>
Dimmers	Diva® Maestro® Nova T☆® Skylark® Spacer®	Lyneo™ • Pico® Wireless Control <sup>4</sup> Rania® Rania Eco-minder™ Rania IR® • Rania Wireless Switch <sup>4</sup> Solina™
Entire-room lighting controls	GRAFIK Eye® 3000/4000 GRAFIK Eye QS	GRAFIK Eye 3000/4000 GRAFIK Eye QS  • GRAFIK Eye QS Wireless ⁴ • Global Guestroom Solution GRAFIK Integrale™
Sensors	Wired Daylight Sensors Wired Occupancy/ Vacancy Sensors	Wired Daylight Sensors Wired Occupancy/Vacancy Sensors • Radio Powr Savr™ Wireless Daylight Sensors • Radio Powr Savr Wireless Occupancy/Vacancy Sensors  • Radio Powr Savr Wireless Occupancy/Vacancy Sensors
Larger commercial lighting control systems	GRAFIK 5000 <sub>TM</sub> GRAFIK 6000 <sub>®</sub> GRAFIK 7000 <sub>TM</sub> LCP128 <sub>TM</sub> Softswitch128 <sub>®</sub>	GRAFIK 5000  GRAFIK 6000  GRAFIK 7000  LCP128  Softswitch128  • EcoSystem®²  • Energi Savr Node™  • Quantum®
Fluorescent dimming ballasts and LED drivers	Compact SE™ Hi-lume® Hi-lume 3D	<ul> <li>Compact SE<sup>2</sup> Hi-lume<sup>2</sup> Hi-lume 3D<sup>2</sup></li> <li>Eco-10®<sup>2</sup></li> <li>EcoSystem<sup>2</sup></li> </ul>
Whole-home lighting controls	HomeWorks®	HomeWorks
Shading Solutions	<ul> <li>Sivoia QED® and</li> <li>Sivoia® QS motorization technologies for:</li> <li>roller shades</li> <li>drapery tracks</li> <li>Roman shades</li> <li>tensioned shades</li> </ul>	<ul> <li>Sivoia QED, Sivoia QS, and Sivoia QS Wireless <sup>4</sup> motorization technologies for:         <ul> <li>roller shades</li> <li>drapery tracks</li> <li>Roman shades</li> <li>tensioned shades</li> </ul> </li> <li>Hyperion™ Solar-adaptive Shades</li> </ul>

### 110 V - 127 V<sup>3</sup>

Abella™ Attache® Ariadni® Ceana™ Centurion® Credenza®

- Eco-dim<sub>®</sub> Series
- Eco-minder™ Series
- Eco-timer Series
   Glyder®
   Lumea®
   Lyneo Lx
   Maestro
- Maestro with built-in Occupancy Sensor Maestro IR<sub>®</sub>

Maestro Wireless® 4

MeadowLark®
 Nova®
 NovaT☆

Pico Wireless Control<sup>4</sup>
 Skylark
 Spacer
 Spacer System<sub>®</sub>

Rotary Vareo® Vierti®

GRAFIK Eye 3000/4000 GRAFIK Eye QS

- GRAFIK Eye QS Wireless<sup>4</sup>
- Stanza<sub>™</sub> <sup>4</sup>

Diva

Wired Daylight Sensors

Wired Occupancy/Vacancy Sensors

- Radio Powr Savr
   <sub>™</sub> Wireless Daylight Sensors <sup>4</sup>
- Radio Powr Savr Wireless Occupancy/Vacancy Sensors

GRAFIK 5000 GRAFIK 6000 GRAFIK 7000 LCP128 Softswitch128 EcoSystem

 Energi Savr Node Quantum

Compact SE
Hi-lume
Hi-lume 3D
Eco-10
EcoSystem

 Hi-lume A-Series LED Drivers
 Tu-Wire®
 TVE™

HomeWorks

AuroRA® 4

HomeWorks QS<sup>4</sup>

- RadioRA<sub>®</sub> 2<sup>4</sup>
- Sivoia QED, Sivoia® QS, and Sivoia QS Wireless<sup>4</sup> motorization technologies for:
  - roller shades
  - drapery tracks
  - Roman shades
  - tensioned shades
  - Kirbé™ vertical draperies
- Hyperion Solar-adaptive Shades



The Innovative Light Management Brochure is available in several languages.

### • NEW!

- 1 For detailed product availability for each country, contact your Lutron representative.
- 2 All products meet CE standards except for Compact SE, Hi-lume, Hi-lume 3D, Eco-10, and EcoSystem.
- 3 For products available for Mexico, 277 V, and 347 V, contact your Lutron representative.
- 4 Radio frequency requirements vary in different countries and regions. Contact your Lutron representative for more information.

### Global support reference guide

For almost 50 years, Lutron has been delivering specialized service on a global scale with engineering solutions to meet the needs of each customer. The **Lutron GPS**™ **team** will always be available wherever the project is located.

### The **Lutron GPS team** speaks the following languages:

- Arabic
- Catalonian
- · Chinese (Mandarin and Cantonese)
- Dutch
- English
- Farsi
- Finnish
- · French (Canada)
- French (France)
- German
- Hebrew
- Indian (Hindi, Punjabi, Marathi, Gujarati, Bengali, Kannada, and Tamil)
- Italian
- Japanese
- Lingala
- Polish
- Portuguese (Brazil)
- Portuguese (Portugal)
- Russian
- · Spanish (Latin America)
- Spanish (Spain)
- Swahili

In addition, our local partners are fluent in many localized languages to ensure clear communication on every project.

See back cover for our office locations around the world.

Voltage information is for reference only. For a specific project, please work with your Lutron representative.

country	voltage <sup>1</sup>	supported from		
Africa				
Algeria	230V(CE)	Paris		
Angola	220V	London		
Benin	220V	London		
Botswana	230V	London		
Burkina Faso	220V	London		
Burundi	220V	London		
Cameroon	220V	London		
Canary Islands	220V	Madrid		
Cape Verde	220V	London		
Central African Republic	220V	London		
Chad	220V	London		
Comoros	220V	London		
Congo, Dem. Rep. of (former Zaire)	220V	London		
Congo, People's Rep. of	230V	London		
Cote d'Ivoire	220V	London		
Djibouti	220V	London		
Egypt	220V	Dubai		
Equatorial Guinea	220V	London		
Eritrea	230V	London		
Ethiopia	220V	London		
Gabon	220V	London		
Gambia	230V	London		
Ghana	230V	London		
Guinea	220V	London		
Guinea-Bissau	220V	London		
Ivory Coast (See Cote d'Ivoire)				
Kenya	240V	London		
Lesotho	220V	London		
Liberia	120V	London		
Libya	127 V	London		
Madagascar	220V	Paris		
Malawi	230V	London		

country	voltage <sup>1</sup>	supported from	country	voltage <sup>1</sup>	supported from
Mali	220V	London	Indonesia	127/230 V	Singapore
Mauritania	220V	London	Iraq	230V	Dubai
Mauritius	230V	London	Israel	220V	London
Morocco	127/220V	Paris	Japan	100/200V	Tokyo
Mozambique	220V	London	Jordan	230V	Dubai
Namibia	220V	London	Kazakhstan	220V	London
Niger	220V	London	Kuwait	240 V	Dubai
Nigeria	240V	London	Kyrgyzstan	220V	London
Rwanda	230V	London	Laos	230V	Singapore
Réunion Island	220V	London	Lebanon	110/220 V	Dubai
São Tomé	220V	London	Macau	220V	Hong Kong
and Principe			Malaysia	240 V	Singapore
Senegal	230V	London	Maldives	230V	New Delhi
Seychelles	240V	London	Mongolia	220V	London
Sierra Leone	230V	London	Myanmar	230V	New Delhi
Somalia	220V	London	(formerly Burma)		
South Africa	220/230V	London	Nepal	230V	New Delhi
Swaziland	230V	London	Oman	240 V	Dubai
Tanzania	230V	London	Pakistan	220V	London
Togo	220V	London	Philippines	220V	Singapore
Tunisia	230V	Paris	Qatar <sup>2</sup>	240 V	Dubai
Uganda	240V	London	Russia	220V	London
Zambia	230V	London	Saudi Arabia <sup>2</sup>	127/220 V	Dubai
Zimbabwe	220V	London	Singapore	230V(CE)	Singapore
			South Korea	220V	Tokyo
Asia			Sri Lanka	230V	New Delhi
Afghanistan	220V	Coopersburg	Syria	220V	Dubai
Bahrain	230V	Dubai	Tajikistan	220V	London
Bangladesh	220V	New Delhi	Taiwan	110V	Hong Kong
Bhutan	230V	New Delhi	Thailand	220V(CE)	Singapore
Brunei	240V	New Delhi	Turkey	230V(CE)	London
Cambodia	230V	Singapore	Turkmenistan	220V	London
China, People's Republic of	220V	Shanghai/ Beijing	United Arab Emirates <sup>2</sup>	220V	Dubai
East Timor	220V	Singapore	Uzbekistan	220V	London
Hong Kong	220V	Hong Kong	Vietnam	127/220 V	Singapore
India	230V	New Delhi	Yemen, Rep. of	220/230V	Dubai

Continued on next page >

<sup>1</sup> Primary source: www.kropla.com/electric2.htm

<sup>2</sup> Scheduled to require products with CE Marking in 2011.

## Global support reference guide

Europe  Albania 220V London Andorra 230V Barcelona Armenia 220V London Austria 230V(CE) Berlin Azerbaijan 220V London Azores 220V Madrid Balearic Islands 220V Barcelona Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London Great Britain (See United Kingdom) Greece 220V London Greece 220V(CE) London Finland 230V(CE) London Finland 240V London Finland 220V(CE) London Finland 220V(CE) London Finland 230V(CE) London	country	voltage <sup>1</sup>	supported from		
Albania         220V         London           Andorra         230V         Barcelona           Armenia         220V         London           Austria         230V(CE)         Berlin           Azores         220V         London           Balearic Islands         220V         Barcelona           Belarus         220V         London           Belgium         230V(CE)         London           Bosnia         220V         London           Bosnia         220V         London           Channel Islands         230V(CE)         London           Channel Islands         230V         London           Croatia         230V(CE)         London           Cyprus         240V(CE)         Paris           Czech Republic         230V(CE)         London           England (See United Kingdom)         Estonia         230V(CE)         London           Faroe Islands         220V         London           Finland         230V(CE)         London           France         230V(CE)         Berlin           Gibraltar         240V         London           Greece         220V(CE)         London           Hungary<	Furone				
Andorra 230V Barcelona Armenia 220V London Austria 230V(CE) Berlin Azerbaijan 220V London Azores 220V Madrid Balearic Islands 220V Barcelona Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cryprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London France 230V(CE) London Germany 230V(CE) London Germany 230V(CE) London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Hungary 230V(CE) London Ireland 220V(CE) London Ireland (Eire) 230V(CE) London Italy 230V(CE) London Italy 230V(CE) London Liechtenstein 230V(CE) London		2201/	London		
Armenia 220V London Austria 230V(CE) Berlin Azerbaijan 220V London Azores 220V Madrid Balearic Islands 220V Barcelona Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London Finland 230V(CE) London Finland 230V(CE) London France 230V(CE) London Finland 230V(CE) London France 230V(CE) London France 230V(CE) London France 230V(CE) London Germany 230V(CE) London Great Britain (See United Kingdom) Greece 220V(CE) London Italy 230V(CE) London Italy 230V(CE) London Italy 230V(CE) London Liechtenstein 230V(CE) London					
Austria 230V(CE) Berlin Azerbaijan 220V London Azores 220V Madrid Balearic Islands 220V Barcelona Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London Finland 230V(CE) London France 230V(CE) London Germany 230V(CE) London Germany 230V(CE) London Great Britain (See United Kingdom) Greece 220V(CE) London Ireland 220V London Great Britain (See United Kingdom) Greece 220V(CE) London Ireland (Eire) 230V(CE) London Italy 230V(CE) London Italy 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London					
Azerbaijan 220V London Azores 220V Madrid Balearic Islands 220V Barcelona Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London France 230V(CE) London France 230V(CE) London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Ireland (Eire) London Italy 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London					
Azores 220V Madrid Balearic Islands 220V Barcelona Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London France 230V(CE) London France 230V(CE) Berlin Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Ireland (Eire) 230V(CE) London Ireland (Eire) London Italy 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London		. ,	-		
Balearic Islands 220V London Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London Finland 230V(CE) London France 230V(CE) Paris Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Ireland (Eire) 230V(CE) London Ireland (Eire) 230V(CE) London Italy 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London					
Belarus 220V London Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London France 230V(CE) London France 230V(CE) Berlin Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Ireland (Eire) 230V(CE) London Ireland (Eire) 230V(CE) London Italy 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London					
Belgium 230V(CE) London Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London France 230V(CE) London France 230V(CE) Berlin Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Ireland (Eire) 230V(CE) London Ireland (Eire) 230V(CE) London Italy 230V(CE) London Litaly 230V(CE) London Litchtenstein London					
Bosnia 220V London Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London Finland 230V(CE) London France 230V(CE) Paris Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Italy Latvia 220V(CE) London Liechtenstein 230V(CE) London Litchuania 220V(CE) London					
Bulgaria 230V(CE) London Channel Islands 230V London Croatia 230V(CE) London Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London France 230V(CE) London France 230V(CE) Berlin Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Italy 230V(CE) London Italy 230V(CE) London Litchtenstein 230V(CE) London Litchtenstein 230V(CE) London Litchtenstein 230V(CE) London					
Channel Islands 230 V London Croatia 230 V(CE) London Cyprus 240 V(CE) Paris Czech Republic 230 V(CE) London Denmark 230 V(CE) London England (See United Kingdom) Estonia 230 V(CE) London Faroe Islands 220 V London Finland 230 V(CE) London France 230 V(CE) Paris Georgia 220 V London Germany 230 V(CE) Berlin Gibraltar 240 V London Great Britain (See United Kingdom) Greece 220 V(CE) London Hungary 230 V(CE) London Iceland 220 V(CE) London Ireland (Eire) 230 V(CE) London Italy 230 V(CE) London Italy 230 V(CE) London Litchtenstein 230 V(CE) London					
Croatia 230V(CE) London  Cyprus 240V(CE) Paris  Czech Republic 230V(CE) London  Denmark 230V(CE) London  England (See United Kingdom)  Estonia 230V(CE) London  Faroe Islands 220V London  Finland 230V(CE) London  France 230V(CE) Paris  Georgia 220V London  Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) London  Litaly 230V(CE) London  Lithuania 220V(CE) London		. ,			
Cyprus 240V(CE) Paris Czech Republic 230V(CE) London Denmark 230V(CE) London England (See United Kingdom) Estonia 230V(CE) London Faroe Islands 220V London Finland 230V(CE) London France 230V(CE) Paris Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) London Litaly 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London					
Czech Republic 230V(CE) London  Denmark 230V(CE) London  England (See United Kingdom)  Estonia 230V(CE) London  Faroe Islands 220V London  Finland 230V(CE) London  France 230V(CE) Paris  Georgia 220V London  Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) London  Liatvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London					
Denmark 230V(CE) London  England (See United Kingdom)  Estonia 230V(CE) London  Faroe Islands 220V London  Finland 230V(CE) London  France 230V(CE) Paris  Georgia 220V London  Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) London  Litaly 230V(CE) London  Liechtenstein 230V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London		. ,			
England (See United Kingdom)  Estonia 230V(CE) London  Faroe Islands 220V London  Finland 230V(CE) London  France 230V(CE) Paris  Georgia 220V London  Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) London  Italy 230V(CE) London  Liechtenstein 230V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London					
Estonia 230V(CE) London Faroe Islands 220V London Finland 230V(CE) London France 230V(CE) Paris Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) London Litaly 230V(CE) London Liechtenstein 230V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London			London		
Faroe Islands  220 V London  Finland  230 V (CE) London  France  230 V (CE) Paris  Georgia  220 V London  Germany  230 V (CE) Berlin  Gibraltar  240 V London  Great Britain (See United Kingdom)  Greece  220 V (CE) London  Hungary  230 V (CE) London  Iceland  220 V (CE) London  Ireland (Eire)  230 V (CE) London  Isle of Man  240 V London  Italy  230 V (CE) London  Italy  230 V (CE) London  Italy  230 V (CE) London  Licehtenstein  230 V (CE) London  Licehtenstein  230 V (CE) London  Lithuania	England (See Unite	d Kingdom)			
Finland 230V(CE) London France 230V(CE) Paris Georgia 220V London Germany 230V(CE) Berlin Gibraltar 240V London Great Britain (See United Kingdom) Greece 220V(CE) London Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) Milan Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Estonia	230V(CE)	London		
France 230V(CE) Paris  Georgia 220V London  Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) Milan  Latvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London	Faroe Islands	220V	London		
Georgia 220V London  Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) Milan  Latvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London	Finland	230V(CE)	London		
Germany 230V(CE) Berlin  Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) Milan  Latvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London	France	230V(CE)	Paris		
Gibraltar 240V London  Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) Milan  Latvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London	Georgia	220V	London		
Great Britain (See United Kingdom)  Greece 220V(CE) London  Hungary 230V(CE) London  Iceland 220V(CE) London  Ireland (Eire) 230V(CE) London  Isle of Man 240V London  Italy 230V(CE) Milan  Latvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London	Germany	230V(CE)	Berlin		
Greece 220V(CE) London Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) Milan Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Gibraltar	240V	London		
Hungary 230V(CE) London Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) Milan Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Great Britain (See United Kingdom)				
Iceland 220V(CE) London Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) Milan Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Greece	220V(CE)	London		
Ireland (Eire) 230V(CE) London Isle of Man 240V London Italy 230V(CE) Milan Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Hungary	230V(CE)	London		
Isle of Man  240V  London  Italy  230V(CE)  Milan  Latvia  220V(CE)  London  Liechtenstein  230V(CE)  London  Lithuania  220V(CE)  London	Iceland	220V(CE)	London		
Italy 230V(CE) Milan  Latvia 220V(CE) London  Liechtenstein 230V(CE) London  Lithuania 220V(CE) London	Ireland (Eire)	230V(CE)	London		
Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Isle of Man	240V	London		
Latvia 220V(CE) London Liechtenstein 230V(CE) London Lithuania 220V(CE) London	Italy	230V(CE)	Milan		
Liechtenstein 230V(CE) London Lithuania 220V(CE) London			London		
Lithuania 220V(CE) London	Liechtenstein	, ,	London		
	Lithuania		London		
	Luxembourg	220V(CE)	London		

country	voltage <sup>1</sup>	supported from		
Macedonia (FYROM)	220V(CE)	London		
Madeira	220V	Madrid		
Malta	240V(CE)	Paris		
Moldova	220/240V	London		
Monaco	127/220V	Paris		
Montenegro	220V	London		
Netherlands	230V(CE)	London		
Netherlands Antilles	127/220V	London		
Norway	230V(CE)	London		
Northern Ireland (see	e United King	dom)		
Poland	230V(CE)	London		
Portugal	230V(CE)	Madrid		
Romania	230V(CE)	London		
San Marino	230V	Milan		
Scotland (See United	d Kingdom)			
Serbia	220V	London		
Slovak Republic	230V(CE)	London		
Slovenia	220V(CE)	London		
Spain	230V(CE)	Barcelona, Madrid		
Sweden	230V(CE)	London		
Switzerland	230V(CE)	London		
Ukraine	220V	London		
United Kingdom	230V(CE)	London		
Vatican City	230V(CE)	Milan		
Wales (See United Kingdom)				

# North America/ Central America/Caribbean

Anguilla	110V	Coopersburg
Antigua	230V	Coopersburg
Aruba	127 V	Coopersburg
Bahamas	120V	Coopersburg
Barbados	115V	Coopersburg
Belize	110/220 V	Chihuahua

country	voltage <sup>1</sup>	supported from	country	vo
Bermuda	120V	Coopersburg	Australia	
Canada	120/347 V	Coopersburg	Cook Islands	
Cayman Islands	120V	Coopersburg	Fiji	240
Costa Rica	120V	Chihuahua	Guam	110
Dominica	230V	Chihuahua	Kiribati	240
Dominican	110V	Chihuahua	Marshall Islands	110
Republic	445) (		Micronesia (Federal States of)	120
El Salvador	115V	Chihuahua		
Greenland	220V	Coopersburg	Nauru	240
Grenada (Windward Is)	230V	Coopersburg	New Caledonia	220
(Windward Is.)			New Zealand	230
Guadeloupe	230V	Chihuahua	Palau	110
Guatemala	120V	Chihuahua	Palmyra Atoll	120
Haiti	110V	Chihuahua	Papua New Guinea	240
Honduras	110V	Chihuahua	Samoa	230
Jamaica	110V	Coopersburg	Solomon Islands	220
Martinique	220V	Coopersburg	Tahiti	110
Mexico	127 V	Chihuahua	Tonga	240
Montserrat	230 V	Chihuahua	Tuvalu	220
(Leeward Is.)			Vanuatu	230
Nicaragua	120V	Chihuahua		
Panama	110V	Chihuahua	South Amer	ica
Puerto Rico	120 V	Coopersburg	Argentina	220
St. Kitts and Nevis	230V	Coopersburg	Bolivia	220
(Leeward Is.)			Brazil	110
St. Lucia	240 V	Coopersburg	Chile	220
(Windward Is.)			Colombia	110
St. Vincent	230 V	Coopersburg	Ecuador	120
(Windward Is.)			Falkland Islands	240
Trinidad & Tobago	115 V	Coopersburg	French Guiana	220
United States	120/277 V	Coopersburg	Guyana	240
of America			Paraguay	220
Virgin Islands	115 V	Coopersburg	Peru	220
(British and U.S.)			Suriname	127
			Uruguay	220
Oceania			Venezuela	120
American Samoa	120V	Singapore		

country	voltage <sup>1</sup>	supported from
Australia	240V	Singapore
Cook Islands	240 V	Singapore
Fiji	240 V	Singapore
Guam	110V	Singapore
Kiribati	240 V	Singapore
Marshall Islands	110V	Singapore
Micronesia (Federal States of)	120V	Singapore
Nauru	240 V	Singapore
New Caledonia	220V	Singapore
New Zealand	230V(CE)	Singapore
Palau	110-120V	Singapore
Palmyra Atoll	120V	Singapore
Papua New Guinea	240 V	Singapore
Samoa	230 V	Singapore
Solomon Islands	220V	Singapore
Tahiti	110/220V	Singapore
Tonga	240 V	Singapore
Tuvalu	220/240V	Singapore
Vanuatu	230V	Singapore

Argentina	220V	Chihuahua
Bolivia	220/230V	Chihuahua
Brazil	110/220V	São Paulo
Chile	220V	Chihuahua
Colombia	110V	Bogotá
Ecuador	120-127 V	Chihuahua
Falkland Islands	240 V	Chihuahua
French Guiana	220V	Chihuahua
Guyana	240 V	Chihuahua
Paraguay	220V	Chihuahua
Peru	220V	Chihuahua
Suriname	127 V	Chihuahua
Uruguay	220V	Chihuahua
Venezuela	120V	Chihuahua

Contact your Lutron representative for countries not listed.

### **US World Headquarters**

Lutron Electronics Co., Inc 7200 Suter Rd Coopersburg, PA 18036-1299 USA Tel: +1.610.282.3800 Technical Support: 800.523.9466 Customer Service: 888.LUTRON1

(888.588.7661) intsales@lutron.com www.lutron.com

#### Brazil, São Paulo

Lutron BZ do Brasil Av. Ipiranga, 104 - 2° e 3° andares São Paulo - SP - Brasil - 01046-918 Tel: +55.11.3257.6745 brasilsales@lutron.com

#### Canada

Supported by US World Headquarters. See contact information above.

#### China, Beijing

Lutron GL Electronics (Shanghai) Co., Ltd.— Beijing Branch 5th Floor, China Life Tower No. 16, Chaowai St. Chaoyang District Beijing 100020, China Tel: +86.10.5877.1818 lutronchina@lutron.com

### China, Shanghai

Lutron GL Electronics (Shanghai) Co., Ltd.— Shanghai Branch Suite 7, 39th Floor, Plaza 66 1266 Nan Jing West Road, Puxi Shanghai 200040, China Tel: +86.21.6288.1473 lutronchina@lutron.com

### France, Paris

Lutron LTC SARL—Paris 101, avenue des Champs Elysees 75008 Paris, France Tel: +33.1.56.52.93.01 lutronfrance@lutron.com

#### Germany, Berlin

Lutron Electronics GmbH—Berlin Landsberger Allee 201 13055 Berlin, Germany Tel: +49.309.710.4590 lutrongermany@lutron.com

### **Hong Kong**

Lutron GL Ltd.—Hong Kong Unit 2808, 28/F 248 Queens Road East Wanchai, Hong Kong Tel: +852.2104.7733 lutronhk@lutron.com

### India, Bangalore

Lutron GL Sales and Services Pvt. Ltd. (Bangalore) 15th Floor, Concorder Towers U.B.City, 1 Vittal Road Bangalore, India 560001 Tel: +91.80.4030.0485 lutronindia@lutron.com

#### India, Mumbai

Lutron GL Sales and Services Pvt. Ltd. (Mumbai) Trade Centre, Regus 1st Floor Bandra Kurla Complex Bandra Mumbai, India 400051 Tel: +91.22.4070.0867 Iutronindia@lutron.com

### India, New Delhi

Lutron GL Sales and Services Pvt. Ltd. Level 6, JMD Regent Square Mehrauli Gurgaon Road Gurgaon, Haryana, India 122001 Tel: +91.124.471.1900 lutronindia@lutron.com

#### Italy

Lutron LDV S.r.I Tel: 800.979.208 lutronitalia@lutron.com

#### Japan, Tokyo

Lutron Asuka Co., Ltd.—Tokyo No. 16 Kowa Bldg. 4F 1-9-20 Akasaka, Minato-ku Tokyo 107-0052, Japan Tel: +81.3.5575.8411 asuka@lutron.com

### Mexico, Chihuahua

Lutron CNC S de RL de CV Rudyard Kipling No. 11530 Complejo Industrial Chihuahua Chihuahua C.P. 31109, Mexico Tel: 888.235.2910 informacion@lutron.com

### Mexico, Mexico City

Lutron CN S de RL de CV AV. Patriotismo 229 Piso B Sand Pedro Delos Pinos Mexico, D.F. 03800 Tel: +52.(33).3128.0575 informacion@lutron.com

### Singapore

Lutron GL Ltd.—Singapore 15 Hoe Chiang Road #07-03 Euro Asia Centre Singapore 089316 Tel: +65.6220.4666 asiasales@lutron.com

### Spain, Barcelona

Lutron CC, SRL—Barcelona Gran Via Carlos III, 84 planta 4 a 08028 Barcelona, Spain Tel: +34.93.496.5742 lutroniberia@lutron.com

### Spain, Madrid

Lutron CC, SRL—Madrid Calle Orense 85 28020 Madrid, Spain Tel: +34.91.567.8479 lutroniberia@lutron.com

### UAE, Dubai

Lutron GL Ltd.
P.O. Box 54759
Dubai, UAE
Tel: +971.4.2991224
lutronme@lutron.com

### **United Kingdom, London**

Lutron EA Ltd.—London Lutron House 6 Sovereign Close Wapping, London E1W 3JF England Tel: +44.207.702.0657 lutronlondon@lutron.com

www.lutron.com



