HomeWorks® QS
Save Energy with Unparalleled Total Home Control

Design & Style Guide
Introduction

HomeWorks® QS provides control of lights, shades, temperature, and appliances for total home control—all while saving energy. With this system, your clients will experience improved ambiance, convenience, comfort, and security throughout their home at the touch of a button.

HomeWorks QS systems are sold and installed by a professional network of qualified Residential Systems Providers (RSPs). These technology experts also provide design, programming, and project management assistance.

You can count on HomeWorks QS for energy savings without sacrifice.
**Enhance Ambiance**
*More than simply on and off*

- You can create just the right light for any activity—such as reading, relaxing, watching a movie, or playing with the kids—all while saving energy.
- You can set moods in specific areas of your home with soft lighting.
- Use Sivoia® QS window treatments to enhance your décor while silently controlling daylight or providing privacy at night.

**Increase Security and Safety**
*Control whether you’re home or away*

- With automated exterior lighting, you won’t have to leave lights on all day, yet you’ll never have to come home to a dark house.
- Enhance the security system by integrating it with HomeWorks QS. If the security system is triggered, outside lights flash to draw attention.
- The system can be programmed to play back real-life lighting events, so a home looks lived-in even while you’re away.

**Add Convenience**
*Let the system do the work for you*

- Control lights, shades, and temperature from any location, with hand-held remotes, touchscreens, and mobile devices.
- Occupancy sensors automatically turn on lights when you enter a room, then turn them off when the room is empty.
- Use a favorite “Goodnight” button to put the entire home into the perfect energy-saving settings at night.
HomeWorks® QS System Benefits

Control Daylight
*Use the sun to your advantage*

- Shades enhance privacy—and convert harsh glare into soft, pleasing light—while preserving your view.
- Shades protect furnishings and artwork from harsh UV rays.
- Shades can reduce solar heat gain in summer and harvest it in winter—reducing energy used by the HVAC.
- Blackout fabrics can darken any room to transform it into a real theater experience.

Complement Aesthetics
*Add elegance and style*

- Complement your décor with system controls available in 50 colors and finishes.
- Complete your design with matching accessories including receptacles, phone jacks, cable jacks, and more.
- Choose from a variety of shade styles and fabrics, so you can add a tasteful finishing touch to any room.

Expand Integration
*For increased control*

- HomeWorks® QS can integrate with other home systems for convenient control of HVAC, sprinklers, audio/video equipment, and more.
- Combine keypads with other manufacturers’ controls to maintain consistent aesthetics and to eliminate wall clutter.
- HomeWorks QS can also integrate with mobile devices so you can adjust lights, shades, and HVAC—and save energy—while you’re away.
Minimize Wall Clutter
Clean and simple control

Many rooms have multiple zones of lighting in order to create beautiful layers of light balanced with functional task lighting.

The kitchen in the photo has four zones of light:
- Under-cabinet lights
- Cove lights
- Counter downlights
- Island downlights

Because each of these zones would normally be controlled by a local dimmer or switch, four controls would be needed on the wall.

A keypad offers a clean solution to multiple controls, as well as additional functionality—such as turning lights on with one button press.

Quantum System Architecture
The power of a commercial total building system

Using the Quantum architecture in HomeWorks QS provides powerful control over daylight and electric light, from small systems through large applications.

HomeWorks QS provides powerful design, programming, and documentation software to make your project workflow easier and faster.

System Reliability with Clear Connect
Lutron’s Clear Connect RF Technology is highly reliable and ensures seamless communication between our system components.

The robust architecture of Quantum can control thousands of lights and shades—as it does in The New York Times headquarters.
Energy Savings
A responsible choice

Every time you dim your lights you save energy. Dim them by 25%, for example, and you’ll save 20% energy. The more you dim, the more you save.

In addition to dimming, HomeWorks® QS system provides many other energy-saving benefits.

Energy-saving Strategies

Occupancy Sensing
Sensors turn lights and standby power from electronic appliances off when a person leaves the space.

Energy Efficient Light Control
Our Ivalo® Finiré® LED recessed light ensures compatibility between LED fixtures, drivers, and controls, while guaranteeing smooth, flicker-free dimming from 100% to 1%. And our phase-adaptive dimmer can control a variety of load types, including LEDs.

Temperature Control
Adjust heating and cooling systems any time of day, saving up to 16% or more of your heating and cooling energy usage.¹

Appliance Control
Turning off standby power to certain appliances can save 10% of a typical home’s electricity use.²

Shades
Controllable window shades can reduce heating and cooling costs by blocking the sun’s rays in summer or letting them in during colder months.

“Green” Button
Use the “Green” button to reduce energy use from lights, shades, and heating/cooling systems with a single touch.

Intelligent Timeclock
The timeclock can be programmed to automatically dim or turn off lights in spaces where lights are often inadvertently left on.

“All Off” Button
Place an “All Off” button near an entry to conveniently turn off lights throughout the home with a single touch.

¹ www.energystar.gov
² www.standby.lbl.gov
What Does the System Do?

Types of Triggers
- A keypad button is pressed
- Occupancy sensor detects room is vacant
- System timeclock reaches 7:00 a.m.
- Home theater controlled by iPad

Types of Actions
- Light levels are set, shades and temperature adjust, fan turns on
- Laundry room lights turn off
- Landscape lighting turns off, shades open to softly awaken you, temperature is adjusted to day setpoint
- Theater lights turn off, shades close, projector starts, sound system turns on

Basic Communication Flow
1. Trigger: button pressed
2. Processing: programming analyzed
3. Action: dimmer turns on light

HomeWorks QS has many different types of triggers that cause things to happen.
The processor is the brain of the system. When a trigger’s message is received it decides what should happen based on its programming.
The actions of HomeWorks QS are connected to and control the home’s lights, shades, HVAC, and more to produce the desired result.

Key Triggers and Actions
- Sensors
- Keypads
- Third-party devices
- Processors
- Interfaces
- Local controls
- Window coverings
- Panel-based controls

iPad is a trademark of Apple Inc., registered in the U.S. and other countries.
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**Temperature Controls**
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**Products are not to scale.**

iPhone® and iPad® are trademarks of Apple® Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. Use of this trademark is subject to Google permissions.
Understanding Design Options

HomeWorks® QS offers a balance between reducing controls on the wall and simple installation. Localized design can replace switches in a room with system dimmers and switches. Centralized design minimizes the controls on the wall by using dimming power panels located out of sight.

- **Localized**
  - Dimmers and switches provide familiar control and operation in every room.
  - Keypads at convenient control locations adjust lights and shades throughout the home.
  - Using standard line-voltage wiring, a whole-home light control system can be added to new or existing homes.

- **Centralized**
  - Remote dimming panels power all home lighting rather than local dimmers and switches.
  - Keypad-only design minimizes wall clutter and provides maximum programming flexibility.
  - This design is well-suited for new construction or major renovation.

- **Hybrid**
  - Remote dimming panels power lighting in rooms with multiple lighting zones.
  - Keypads minimize wall clutter and provide maximum programming flexibility in these rooms.
  - Local dimmers provide simple, intuitive control in kids’ rooms and guest areas, with fewer lights per room.

**System Wiring and Communication**
- Line voltage wiring
- Low voltage wiring
- Clear Connect® RF communication
A project’s construction type plays a major role in determining the system design most suitable to the project. When beginning to specify a system, start with the type of construction for the project.

The following pages explain the types of construction and the system designs that are appropriate to each.

**Selecting a Design Option**

- **New Construction**
  - System can be planned before construction
  - Wiring can be run to power lights and shades
  - Maximum flexibility in design

- **Renovation**
  - If walls are open, the design can be planned into the project
  - Wiring can be run to power lights and shades
  - May use existing or new wiring to suit customer needs

- **Retrofit**
  - System is being installed in existing home
  - Walls and interior finishes need to stay in place
  - Minimal dust, dirt and time

### Type of Construction 

<table>
<thead>
<tr>
<th>Type of Construction</th>
<th>Localized see page 18</th>
<th>Centralized see page 20</th>
<th>Hybrid see page 22</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>New Construction</strong></td>
<td>YES, uses standard wiring practice</td>
<td>YES, wiring can be planned and run to panels</td>
<td>YES, wiring can be planned and run to panels where desired</td>
</tr>
<tr>
<td><strong>Renovation</strong></td>
<td>YES, uses the existing wiring</td>
<td>YES, if new load wiring is possible</td>
<td>YES, if some new load wiring is possible and some existing load wiring will be used</td>
</tr>
<tr>
<td><strong>Retrofit</strong></td>
<td>YES, uses the existing wiring</td>
<td>NO, if running new wiring is difficult or not possible</td>
<td>NO, if running new wiring is difficult or not possible</td>
</tr>
</tbody>
</table>
Localized Design

- Switches are replaced with system dimmers or switches
- Table and floor lamps controlled by lamp dimmers
- Tabletop and wall-mounted hybrid keypads add whole-home control
- Processor and repeater in utility space

RF shades are powered locally.
Selecting a Design Option

Centralized Design

- All lights and shades are powered by remote power panels
- Wired keypads provide control in rooms as well as whole-home control
- Wall clutter is minimized

Key

System Components

- Wall-mounted Keypad
- Processor
- Dimming Panel

Lights

- Fluorescent Fixture
- Pendant
- Recessed Downlight
- Exterior Flood Light
- Under-cabinet Light

System Wiring and Communication

- line voltage wiring
- low voltage wiring
Hybrid Design

- Centralized design in rooms with many lights
- Keypads provide control in these rooms and whole-home control
- Local controls in guest rooms, powder room, etc.

Shades can be locally or remotely powered.

Selecting a Design Option

System Components
- Dimmer
- GRAFIK Eye® QS
- Hybrid Repeater
- Wall-mounted Keypad
- Processor
- Tabletop Lamp Dimmer
- Dimming Panel
- Tabletop Keypad
- TouchPRO® Wireless
- Processor Enclosure
- Hybrid Repeater

Lights
- Fluorescent Fixture
- Pendant
- Recessed Downlight
- Exterior Flood Light
- Under-cabinet Light

System Wiring and Communication
- line voltage wiring
- low voltage wiring
- Clear Connect® RF communication
Elements of System Design

The architectural goals of your vision for the project are documented to form the building blocks of a system design. An authorized Lutron Residential Systems Provider can help guide you through these design details.

1. Determine Your Lighting Plan
   Decide the location and type of fixtures to be installed.
   • A reflected ceiling plan shows fixture locations.
   • A fixture schedule shows manufacturer, load type, and wattage.
   • The combined details can be documented in a spreadsheet or directly in the HomeWorks® QS design tool.

2. Include Daylight Control in Your Plan
   Decide the location and type of controllable window treatments to be installed.
   • Roller shades, drapery track, Kirbê® vertical drapery, skylight shades, insulating honeycomb shades, Venetian blinds, horizontal sheer blinds, and Roman shades are available.
   • Determine window dimensions, pocket configuration, millwork, and trim.
   • The shades to be controlled can be documented in a spreadsheet or in the HomeWorks QS design tool.

3. Consider Control Station Locations and Integration
   Electrical and building codes provide a starting point for your control stations.
   • Most codes require an entrance control to each room.
   • A dimmer or switch can control a zone in a room.
   • A keypad can control many zones in a room, or throughout the home.
   • Control stations can be documented on the plan and entered in the HomeWorks® QS design tool.
   • Add security, A/V, and temperature integration

4. Add Convenience and Expand Functionality
   Complete the design with tabletop keypads, lamp dimmers, sensors, and plug-in appliance control modules.
   • Tabletop keypads provide control at the bedside or countertop locations.
   • Tabletop lamp dimmers add system control to your table and floor lamps.
   • Appliance modules can reduce standby current draw from home electronics.
   • Tabletop controls and appliance modules can be documented on the plan and entered in the HomeWorks QS design tool.

5. Plan Your Panel Locations
   Allow space for back room equipment in utility spaces.
   • Centralized design reduces wall clutter by routing load wiring to remote dimming panels.
   • Controllable window treatments are driven by power panels.
   • Wiring for power and control can be tailored to reduce wire and labor costs.
A HomeWorks® QS system includes a wide range of component types. This product reference guide provides an overview of the available products.

Color, finish, and aesthetic options are illustrated, along with information on the features of the control types and styles. You can find more information, along with detailed specifications, at www.lutron.com/homeworksqs.

**Choose Your Style**

Many of the HomeWorks® QS products, including seeTouch® keypads and matching accessories, are available in either Architectural or Designer styles. See page 28 for colors and finishes.

**Architectural**

The Architectural style is defined by beveled edges and precise corners on the wallplates. Architectural controls are available in a variety of Architectural matte and metal finishes. Or, for that perfect finishing touch, we can custom match a color or finish of your choice.

**Designer**

The Designer style is characterized by rounded corners and a designer opening wallplate. Other products such as audio controls often use the same designer opening, creating a harmonious look on the wall. Designer controls are available in a variety of gloss colors and Satin Colors®.
Colors and Finishes

Stylish Colors and Finishes

HomeWorks QS products come in a variety of colors and finishes to complement the design style of each room in the home. In addition to the colors and finishes on these pages, we can custom paint Architectural wallplates or match a custom metal finish. Contact Lutron for more information about custom colors and finishes.

Glass Faceplates
- Clear Glass
- Green Glass

Architectural Matte
- White (WH)
- Light Almond (LA)
- Almond (AL)
- Beige (BE)
- Ivory (IV)
- Taupe (TP)
- Gray (GR)
- Sienna (SI)
- Brown (BR)
- Black (BL)

Architectural Metals
- Bright Brass (BB)
- Satin Brass (SB)
- Bright Chrome (BC)
- Satin Chrome (SC)
- Bright Nickel (BN)
- Satin Nickel (SN)
- Gold Plated (AU)
- Antique Brass (QZ)
- Antique Brass (QS)
- Clear Anodized Aluminum (CLA)
- Brass Anodized Aluminum (BRA)
- Black Anodized Aluminum (BLA)

Satin Colors
- Snow (SW)
- Biscuit (BI)
- Eggshell (ES)
- Limestone (LS)
- Goldstone (GS)
- Desert Stone (DS)
- Stone (ST)
- Mocha Stone (MS)
- Bluestone (BG)
- Greenbriar (GB)
- Terracotta (TC)
- Palladium (PD)
- Taupe (TP)
- Turquoise (TQ)
- Plum (PL)
- Hot (HT)
- Merlot (MR)
- Sienna (SI)
- Midnight (MN)
- Stainless Steel (SS)

Designer Gloss
- White (WH)
- Light Almond (LA)
- Almond (AL)
- Ivory (IV)
- Gray (GR)
- Brown (BR)
- Black (BL)

Please note that colors and finishes are representative and not exact matches. You can order a color sample from Lutron Customer Service at 1.888.LUTRON1.
The dynamic keypad allows simple, intuitive control of lights, shades, HVAC, and audio/video equipment from a single location. The screen provides a rich user experience and flexible control for a single room or an entire home.

- Use individual pages for simple control of lighting, shades, and temperature in rooms throughout the home.
- Create or modify on-screen button labels easily.
- Three hard buttons provide control of frequently used lighting functions.
- QS wired communication or Clear Connect® RF technology ensures reliable system control.
- Mounts in a custom backbox (included).
- 5 1/8" high x 2 3/8" wide; 1/4" side profile
- Screen size is 4.2" diagonal.
- Available in white or black

The Architrave style keypad is sleek and compact. It fits where other keypads won’t, including door jambs and other millwork.

- Small LEDs beside each button show the status of the scene or lighting zone programmed to that button.
- Keypads feature two buttons without LEDs, typically used as “all on” and “all off” function buttons.

Keypads may be programmed to perform any one of many different functions, including:
- Turning individual scenes/zones on or off
- Turning selected scenes/zones on or off as a group
- Raising or lowering selected scenes/zones as a group
seeTouch. Keypads

seeTouch buttons provide attractive and intuitive control for your clients and minimize wall clutter by eliminating the need for several switches.

Available in both Architectural and Designer styles; see page 28 for a complete list of colors.

Signature Series Keypad
- Features a narrow architectural aesthetic with multiple button configurations
- Available in architectural matte or metal finishes

seeTouch Buttons
- Large, easy-to-use, rounded buttons are angled upward for easy readability
- Various button configurations offer flexibility
- Each button is programmed to meet the needs of the homeowner
- Custom engraving is included
- Illuminated button labels are easy to read day or night

Available Button Configurations
All configurations are available in Architectural keypads without insert (shown), Architectural keypads with insert, and Designer keypads.
Maestro. Dimmers and Switches

Wireless Maestro dimmers and switches replace the standard light switches in a home. They have the same wiring as standard light switches, which make them perfect for any construction type.

Dimmer models are available for all lighting loads including dimmable compact fluorescents and LEDs. Switches are available for non-dimmable light sources and fans.

- LED provides load status
- Lights softly fade on and off
- Multi-location dimming
- Available in Designer Gloss, Satin Colors®, and Architectural Matte; see page 28 for a complete list of colors

Select Lutron dimmers to work with:

- Dimmable LED bulbs
- MR16 bulbs
- Incandescent/halogen bulbs
- Dimmable compact fluorescent bulbs

Hybrid seeTouch. Keypad

The wireless hybrid seeTouch keypad combines a seeTouch keypad and a Maestro dimmer, giving you the advantages of both. As a dimmer, it connects to a lighting load using standard wiring. As a keypad, its buttons can be programmed to control any system function.

The hybrid seeTouch keypad is perfect in a retrofit application where you only have one light switch but you want to control multiple loads such as lights, shades, and HVAC from that location.

- Can be used for single-pole or multi-location dimming/switching for 3-way/4-way applications
- Incandescent and magnetic low voltage lighting loads
- Available in Designer Gloss, Satin Colors®, and Architectural Matte; see page 28 for a complete list of colors
**Portable Controls**

**seeTouch® Tabletop Keypad**

The tabletop keypad allows your client to have total home control from wherever it’s convenient. Perfect for bedside or countertop locations, it’s available in 5-button, 10-button, and 15-button configurations. It can operate on batteries or with a plug-in transformer.

Available in Snow, Midnight, and Architectural metal finishes.

**Pico® Wireless Control**

The versatile Pico wireless control can function as a lightweight handheld remote, a stylish tabletop control, or a wall-mounted keypad within a Lutron Claro® designer faceplate.

Available in select Designer gloss colors.

**Car Visor Control and Receiver**

The visor control transmitter is a battery-powered control for use from the car to activate lights, shades, and the garage door. Control up to four garage doors through the car visor receiver. The receiver is HomeLink® compatible to work with the visor buttons standard in many automobiles.

Available in White.

**Sensors**

**Radio Powr Savr® Wireless Occupancy/Vacancy Sensors**

Occupancy/vacancy sensors are ideal for laundry rooms, bathrooms, walk-in closets, and other rooms where lights are often inadvertently left on. By turning lights off automatically you can save up to 20% of the energy used.

Reliable Clear Connect® RF technology ensures system communication, while XCT™ technology enhances the sensor’s ability to detect fine motions—such as turning the pages in a book—so occupants aren’t left in the dark.

Multiple sensors can be used together in a space.

Available in White.

**Wired Daylight Control Package**

The wired daylight control package allows the system to respond to ambient light levels based on the controller (sensor) settings.

- Includes a power pack, daylight sensor, and LC6 controller
- Sensor is available as a ceiling, atrium, or skylight indoor sensor or as an outdoor roof or wall sensor

Available in White.
Temperature Control

- System control of HVAC
- Simple user interface
- Remote temperature sensors allow the temperature to be measured in the optimum location
- The HVAC controller connects to the mechanical equipment using standard thermostat wiring.

Lutron offers two thermostat options—an all-in-one design, and a 3-part solution. Whether you choose the familiar look of an on-wall touchscreen thermostat, or opt to minimize the visible equipment with the HVAC controller and wireless temperature sensor, you’ll enjoy the same great system features and benefits.

**TouchPRO Wireless Thermostat**
This all-in-one solution combines the trusted Honeywell brand with Lutron innovation. It looks like a conventional thermostat, is easy to install and program, and is a simple way to add temperature control to a Lutron total home control system.

TouchPRO Wireless is compatible with seeTemp wall controls, making it easy to add additional points of control.

**3-part Thermostat**
In this solution, an out-of-view HVAC controller replaces the wall-mounted thermostat. It communicates with a wireless temperature sensor and seeTemp wall controls via Clear Connect® RF technology to simplify installation and ensure reliable operation.
- System control of HVAC
- Simple user interface
- Remote temperature sensors allow the temperature to be measured in the optimum location
- The HVAC controller connects to the mechanical equipment using standard thermostat wiring.

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**Plug-in Controls**

**Plug-in Appliance Module**
The 15 A plug-in appliance module allows for switching control of appliances and other non-lighting loads. Used with appliances such as printers or monitors and audio/video equipment, it can save energy by turning off standby power.
Available in Snow and Midnight.

**Lamp Dimmers**
Plug-in dimming modules and tabletop lamp dimmers allow you to easily control table and floor lamps up to 300 W. Use the tabletop lamp dimmer for local on/off and raise/lower control. The plug-in dimming module can be placed out of sight (a keypad provides control in the space).
Available in Snow and Midnight.

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**TouchPRO Wireless® Thermostat HVAC Controller and Temperature Sensor**

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**seeTemp®**

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With GRAFIK Eye QS, you can control multiple lights and shades, creating just the right mood for any activity. GRAFIK Eye QS has long been the benchmark for home theater control, but it’s also perfect for rooms such as the dining room or master suite. It includes an infrared receiver so that lights and shades can be controlled by handheld remotes.

- Controls three, four, or six lighting zones and up to three groups of shades.
- Mounts in a 4-gang wallbox.
- Available in a variety of colors and finishes; visit www.lutron.com/grafikeyeqs for details.

Coordinating accessories are the finishing touch for every room of the home. HomeWorks QS products and coordinating accessories, including receptacles, phone/data jacks, and cable jacks, come in a wide variety of colors and finishes to complement the décor of any home. See page 28 for colors and finishes.

**Architectural**

Complete the look of your system with the beveled edges and precise corners of Architectural accessories. Wallplates without visible screws lend a clean, finished look to your project.

Available in Architectural matte and metal finishes or custom painted.

**Designer**

Designer products feature smooth, rounded corners and a designer opening wallplate with no visible screws. Controls and accessories by other manufacturers blend seamlessly in this standard opening size.

Available in a variety of gloss colors and Satin Colors®.

For specifications refer to: www.lutron.com/accessories
Window Treatment Styles

Sivoia® QS shades can be wired or wireless. A small RF receiver provides wireless communication to the shade, so you can install them in new construction or retrofit applications.

**Sivoia QS is Easier to Wire**

- 4-conductor low voltage wire
- 24 V DC power

**Sivoia QS Wireless Takes Ease of Installation to a New Level**

- Simply run 2-conductor power cable to shade locations.
- Small single-shade power supply can be tucked away near each shade.
- Clear Connect® RF Technology delivers system communication.

**Sivoia QS Triathlon® Shades**

- Battery-powered
- Wire-free design makes installation simple
- Sivoia QS technology allows for seamless integration with other Lutron shading and lighting control solutions
- Triathlon power technology delivers a 3-5 year battery life using standard D-cell batteries

**Roller Shades**

Roller shades offer clean lines across multiple windows.
- Transform harsh glare into soft, pleasing light.
- Provide privacy while preserving your view.
- Protect valuable furnishings from UV rays.
- Chang daytime into nighttime with a blackout fabric.
- Reduce solar heat gain and saving energy.
- Available in battery-powered option.

See the Lutron Shade Configuration Tool for size and fabric guidelines.

**Horizontal Sheer Blinds**

Horizontal sheer blinds offer the soft elegance of a sheer with the precise control of a blind.
- Combines the soft elegance of a sheer with the precision control of a blind.
- Available in 2” and 3” vane sizes in neutral light-filtering and room-darkening fabrics.
- Uses Sivoia® QS and Sivoia QS Wireless technology.

**Venetian Blinds with Intelligent Tilt Alignment**

Venetian blinds are an attractive way to ensure privacy, while allowing sunlight to filter into a space.
- Adjust the height without affecting the tilt position.
- Intelligently align both lift and tilt positions between multiple shades within 1/8 of an inch.
- Available in a wide variety of colors; custom matching also available.

For specifications refer to: www.lutron.com/sivoiaqs
Window Treatment Styles

**Roman Shades with CERUS-™ Safety Technology**

Lutron has revolutionized the design of Roman shades by introducing CERUS—Cord-Eliminating Roman Uptake System—safety technology.

- Sheer uptake bands replace exposed inner cords that may pose a strangulation hazard.
- Uptake bands provide a quiet system with smoother, more even shade travel.
- This cascading window treatment is available in soft fabrics and woven woods from The Avant Collection.

**Kirbé® Vertical Drapery System**

An industry first, the Kirbé vertical drapery system smoothly pulls fabric up and completely out of the way.

- Unique design provides greater access to windows and view by eliminating stack back.
- Designed to clear door hardware, allowing full view through French and sliding doors.
- Choose fabrics from The Avant Collection.

**Drapery Tracks**

Silently control pinch pleat or ripplefold draperies for an elegant and convenient transition of a space.

- Single or multi-bend curved tracks are available, including tracks up to 30 ft. long with track splicing.
- Manual override is available.
- 90 degree bends are available.
- Choose fabrics from The Avant Collection or provide your own.

**Insulating Honeycomb Shades**

This automated window treatment features battery operation, making it wire-free. Its pleated form provides a crisp, clean look that enhances any décor, while air pockets provide insulation, increasing energy efficiency.

- Easy to retrofit.
- Lutron’s Triathlon® battery technology ensures a long battery life—up to 3 years.
- Dust resistant for easy cleaning.
- Available in a variety fabrics, colors, pleats, and textures.

For specifications refer to: www.lutron.com/sivoiaqs

**Tensioned Shades**

Tensioned shades from Lutron combine electronic drive technology with a new tension system that eliminates the stress on the surrounding structure when installed. Fabric is kept taut and parallel to skylights and angled windows regardless of slope.

- Perfect for skylights, bottom-up, and angled window applications.
- Inside, recessed, and surface (ceiling) mounting options available to suit any application.
- Concealed cable guides maximize view when open.
- Choose from sheer, dim-out, and blackout fabric options from The Classico™ Collection.
Lutron offers three fabric collections and its own Venetian blind for style made easy, innovation made beautiful.

The Avant Collection®

Beautiful, sophisticated soft fabrics and natural woven woods define this collection of Kirbé® vertical drapery, traditional drapery, and Roman shades. Earth tones and crisp, clean whites anchor this selection of timeless window treatments. The Avant Collection also includes a full line of distinctive Venetian woods and aluminums designed to complement any taste.

The Essentials Collection

The Essentials Collection consists of roller and honeycomb fabrics specifically chosen for the Serena and Triathlon lines of battery-powered shades. With a variety of colors, textures, and opacities in bold solids, textured linens, and woven fibers, the Essentials Collection has a fabric to suit every taste and application.

The Gallery Collection

The Gallery Collection is an extensive line of fashion fabrics for roller shades, horizontal sheer blinds, pleated shades, and honeycomb shades. Choose from a variety of rich fabrics in warm neutrals, fresh whites, and bright colors that pop, as well as five opacities: sheer, translucent, black-out, light-filtering, and room-darkening.

The Classico™ Collection

Look to the Classico Collection for performance fabrics designed to suit any commercial or residential application. This functional collection is available in sheer, dim-out, and blackout opacities, so you can choose the amount of sunlight you want entering the space. Sheers, which have open weaves, filter sunlight while preserving the view. Dim-outs permit some light penetration, but limit the view to shapes and shadows. Blackouts prevent all light from passing through, and when combined with side channels and top treatments, ensure a complete light seal.

The Lutron Coulisse Collection

Fashion meets technology when Coulisse—a premier European brand in window fashion—and Lutron come together in this stylish collection. Choose from four fabric lines: Elegance, Tranquil, Bold, and Impact for roller shades, XL Pleats, and Venetian blinds. Colors range from warm browns and rich indigos to vibrant yellows, sweet pinks, and powerful blacks.

For specifications refer to: www.lutron.com/sivoiaqs
Ivalo® Finiré® LED Recessed Lighting

Ivalo Lumaris® LED Linear Lighting

Finiré LED recessed lighting guarantees an all-in-one solution with a Lutron LED fixture, driver, and controls, while delivering continuous flicker-free dimming to 1%. And now, Finiré is standard with Xicato LED light engines, which provide this solution with industry best color stability. Round or square trimmed or trimless models are available in downlight, wall wash, and adjustable fixtures. You can choose from a variety of architectural finishes including Wheat Alzak, Stainless, and Oiled Rubbed Bronze.

The improved version of Finiré also offers:
- Industry best 95+ Color Rendering Index (CRI)
- 1,000 delivered lumens in a 6.4” height IC airtight housing
- Industry best 1x2 step color consistency
- Field changeable beam spreads (20°, 30°, 40°, and 50°)
- 5-year fixture, dimming, and LED color consistency/shift warranty

Finiré LED linear lighting is a sleek LED system that provides high-quality, uninterrupted, even lines of LED illumination with standard, flicker-free dimming down to 1%. This flexible lighting solution, available in Silver, Black, or White is ideal for cove, under cabinet, under counter, under shelf, and path/step lighting.

Benefits include:
- ensured compatibility between an LED dimmer, driver, and fixture, for an all-in-one solution
- high-quality 90+ CRI LEDs
- small, versatile profile for multiple applications
- easy installation with wired and wireless solutions
- 5-year warranty covers fixture, dimming driver, and LED color consistency

For more information refer to: www.lutron.com/ivalo
Remote System Monitoring and Control

Lutron applications for mobile devices give you the ability to control and monitor your HomeWorks® QS system right from your mobile device—at home or while away. Use the Lutron Home Control+ app to control and monitor lights, shades, and keypads from your iPhone®, iPod touch®, and Android® mobile device. Full two-way functionality allows the app to update in real time as you change the lights in a space.

The Lutron Home Control+ app provides added information and control on the iPad® for your HomeWorks QS system; you can adjust scenes, timerock, and thermostat programming, as well as save energy using new features like the “Green” button.

Open Integration

HomeWorks® QS extends the open integration capability that has always been a foundation of HomeWorks. Serial (RS-232) and Ethernet drivers, as well as the capability to interface with contact closure input or output devices, provide complete control of and from other devices and systems in the home.

Common equipment frequently integrated with HomeWorks QS include:

- A/V Equipment
- Touch Panel Control
- Security System
- HVAC Equipment
- Subsystem Automation (i.e. door locks, pool equipment, irrigation)

Lutron works with many third-party manufacturers to ensure that our systems integrate reliably. We provide documentation along with product and technical support to many manufacturers to ensure that our system works with a wide variety of remotes and automation and security systems.

For example:
- Alarm.com
- AMX
- Aton
- Bang & Olufsen
- BitWise Controls
- Clare Controls
- Control4
- DSC
- ELAN
- ELK
- Gefen
- Honeywell
- iSimplex
- Key Digital
- NetStreams
- Pro Control
- RTI
- Savant
- URC
Remote Panels and Modules

RF Softswitch Module
The RF Softswitch module uses Lutron patented technology to switch very large loads without any wear on the relay (an average of 1 million cycles), and reduces the number of devices needed to switch large loads (such as landscape lighting).
- Easy to install
- Can switch an entire branch circuit of lighting, up to 16A
- Conveniently controlled from system keypads, Pico wireless controls, or smart phones
- Great for landscape lighting, pumps, and gates

Wallbox Power Module
- Control six lighting zones
- Mounts in standard 4-gang backbox

Specification Grade Panel
- Higher power capacity than standard dimming panels
- Available prebuilt in many sizes with breakers

Dimming Panel
- Available as a feed-through panel or with input breakers
- Available in 8-module and 5-module sizes
- Modules available for all lighting load types, fans, and motors

Enclosures and Power Supplies

Low Voltage Enclosures
- Mounts processors, interfaces, and power supplies, and wire landing boards
- Provides wire landing and wire management

QS Power Panel
- Powers QS shades, devices, and accessories
- 10 outputs, 24 V DC
- Features on-board diagnostics to indicate miswires
- 17 1/2” high x 10 1/2” wide

Local QS Power Supplies
- QS Plug-in Power Supply
  - Provides local power for QS shades, devices, or accessories
  - Line voltage cord plugs into standard receptacle
- QS J-box Power Supply
  - Provides local power for QS shades, devices, or accessories
  - Mounts on a 4” J-box

Interfaces
- I/O Interface
  - 5 contact closure inputs
  - 5 contact closure outputs

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The center of intelligence and communication, the processor manages events and actions within the system.

**System Size Limits:**
- Up to 1,500 wireless devices per system
- Up to 10,000 devices per system

Each processor has two links which can be configured as one of the following:

**QS Link**
Supports up to 100 wired QS devices using any wiring topology

**Dimming Panel Link**
Connects to up to 16 HomeWorks® QS dimming and spec grade panels

**Clear Connect® RF Link**
Supports up to 100 devices per link

The processor includes an Ethernet port to easily connect to the home network.

- Creates network of Clear Connect® RF coverage in the home
- Each repeater covers 2,500 sq. ft. up to 150,000 sq. ft. of coverage
- Repeaters can communicate with each other wirelessly (60' maximum between repeaters) or be wired together (1000' maximum) to create RF coverage at large distances in remote locations
HomeWorks® QS

HomeWorks QS is a wireless, wired, or hybrid system for control of a whole home (up to 30,000 square feet or more).

Characteristics
- Offers the most color choices for controls
- Offers the most keypad options, including customized keypads
- Hidden panels eliminate dimmers and switches on the wall
- Offers Vacation mode for added security while you’re away from home for an extended time

Consider Lutron for new and existing residences

Your clients will enjoy the benefits of a wireless Lutron system in their primary home as well as in their vacation home, on their yacht, or in a guest house on their property.

And when they’re away, the Lutron system will create a lived-in look. So they can rest assured their home will stay secure.
The Lutron Difference

50 Years of Innovation

Lutron invented the solid-state dimmer nearly 50 years ago, and since then we have developed a peerless reputation for quality and service. Lutron holds over 2,700 worldwide patents.

We are proud to be the provider of lighting controls for the White House, the Statue of Liberty, the Guggenheim® Museum in Spain, Louis Vuitton® stores, and many other world renowned locations.

Lutron Quality

All our products are designed and manufactured to the highest quality standards. We were one of the first 20 companies in the U.S. to earn the ISO 9001 international quality certification. Currently 9001:2000 certified, we have the highest confidence in the quality of our products, so we back HomeWorks® QS with an 8 year limited warranty.

24-hour / 7-day Technical Hotline

Technical specialists are just a toll-free phone call away to answer any question you may have about your HomeWorks QS system. Simply call 1.800.523.9466 (in the U.S. and Canada). Worldwide technical assistance is also available in 140 languages, at 1.610.282.3800.

Clear Connect® Wireless Technology

The Clear Connect architecture implements a network of high-speed signal repeaters to ensure reliable communications throughout any home. The RF network is scalable, providing coverage up to 150,000 sq. feet.

RTISS® / RTISS-TE®

The utility power delivered to your home is subject to voltage variations, frequency shifts, harmonics, and noise that can cause light levels to fluctuate. Our patented RTISS (Real Time Illumination Stability System) technologies keep your light levels constant.

SoftSwitch® Technology

When relays are closed, a heat producing arc develops. The arc and its subsequent heating are the primary cause of wear on relay contacts, which eventually lead to relay failure. Our patented SoftSwitch technology prevents the arc from ever forming—dramatically extending relay lifetimes past 1,000,000 cycles.

XCT™ Technology

Our exclusive XCT Technology ensures occupancy/vacancy by detecting fine motions—for superior performance.

Revolutionary Shading Technology

Your shading systems should be seen and not heard. Sivoia® QS quiet electronic drive systems are rated at an incredibly low, 38 dBA sound level at a distance of 3 feet. That’s about the same ambient noise level of a quiet bedroom in your home. Precision mechanisms and state-of-the-art electronics result in shade positioning accurate to 1/16 of an inch.
Lutron Locations

Abu Dhabi
Ashland
Bangalore
Barcelona
Beijing
Berlin
Bogotá
Chicago
Chihuahua
Fort Lauderdale
Hong Kong
Las Vegas
London
Los Angeles
Madrid
Milan
Mexico City
Montreal
Moscow
Mumbai
Munich
New Delhi
New York
Panama City
Paris
Puerto Rico
Rio De Janeiro
São Paulo
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