new QS total light control

Customisable preset light and blind control system
Introducing Lutron® QS technology

The new Lutron QS technology provides intuitive control of both electric light and daylight. With the new GRAFIK Eye® QS preset lighting control system, adjust your lights and blinds for any task or activity in any room — commercial, educational, or residential. Recall these settings with the touch of a button. The new QS technology provides convenient control and enhancement of the visual environment.

**Simple to operate**
The GRAFIK Eye QS and seeTouch® QS have large, engravable, backlit buttons. The GRAFIK Eye QS also has an information display with multiple language options.

**Easy to design and integrate**
The GRAFIK Eye QS and Sivoia® QS blinds work together without interfaces. In addition, GRAFIK Eye QS works directly with occupancy sensors and connects to A/V devices and building management control systems.

**Ultra-quiet performance**
Sivoia QS roller blinds operate at a near-silent level, rated at 44dBA at 1 m. Control daylight without disturbing the activity in a space.

**Precision control of daylight**
Sivoia QS roller blinds utilise patented Lutron quiet electronic drive technology to control blinds with quiet precision and elegance. Blinds start, move, and stop in unison, operating smoothly and maintaining perfect alignment with each other. Minimal 20 mm light gaps ensure maximum window coverage.

**Saves energy**
The GRAFIK Eye QS has an energy savings indicator, built-in astronomic and programmable time clock, direct connection to occupancy sensor for manual on/automatic off, and the ability to dim lights to specific preset levels. Sivoia QS blinds reduce solar heat gain, decreasing cooling costs by up to 10%.
A zone is a single light, blind, or any grouping of lights or blinds traditionally controlled by one switch or dimmer. With GRAFIK Eye® QS, design each scene by adjusting the light and blinds in a series of zones.
Product shown at actual size in taupe with a satin nickel stripe.
preset scenes: commercial

Scene 1: conference
Open blinds allow daylight in, brightening the room to energise the staff in a morning meeting. Electrical lights are dimmed substantially to conserve energy without sacrificing an evenly illuminated working space.

Scene 2: video training
General light levels are set low to prevent glare on the flat screen while still providing enough light on the table for note-taking. The blackout blinds are closed to eliminate glare on the screen.

Make conference rooms more flexible. Control the lighting and blinds for activities such as roundtable discussions, single-speaker presentations, video presentations, and even cleanup. Save energy by using occupancy sensors to turn off the lights when the room is not in use.
Scene 3: general meeting (afternoon)
The lights put the focus on the conference table for an afternoon meeting. The sheer blinds are lowered to reduce direct daylight and solar heat gain while preserving the view in this west-facing conference room.

Scene 4: A/V presentation (evening)
The room is darkened for an A/V presentation without sacrificing task lighting on the table. A glow on the window countertop and the partially open blinds provide an additional layer to the lighting to maintain visual interest.

<table>
<thead>
<tr>
<th>Lighting zones</th>
<th>Blind zones</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Scene 1: conference</strong></td>
<td>40%</td>
</tr>
<tr>
<td><strong>Scene 2: video training</strong></td>
<td>20%</td>
</tr>
<tr>
<td><strong>Scene 3: general meeting</strong></td>
<td>75%</td>
</tr>
<tr>
<td><strong>Scene 4: A/V presentation</strong></td>
<td>50%</td>
</tr>
</tbody>
</table>
preset scenes: residential

Scene 1: general activities
All of the lights are on, close to full, for activities such as games or cleaning. The blinds are open to take advantage of a sunny day.

Scene 2: film time
Lights are dimmed for optimal viewing of the film. Blackout blinds are closed to eliminate unwanted daylight and glare on the flat screen.

Choose the perfect lighting levels for different activities and occasions throughout the house. Transform the living room for family gatherings, reading, watching a film, or entertaining. For added security, use the time clock to create a “lived-in” look when you are away from home.
Scene 3: TV viewing
The TV viewing scene is more casual than the film setting so the lights are brighter. The sheer blinds are closed partially to reduce glare from the late afternoon sun.

Scene 4: reading/music
This is a more relaxed setting but allows for task lighting to be bright enough for reading. The sheer blinds are closed to provide a view of the garden while reducing direct sunlight, which could cause damage to furnishings and interiors.

<table>
<thead>
<tr>
<th>Scene</th>
<th>Lighting zones</th>
<th>Blind zones</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>downlights</td>
<td>table</td>
</tr>
<tr>
<td>Scene 1: general activities</td>
<td>80%</td>
<td>90%</td>
</tr>
<tr>
<td>Scene 2: film time</td>
<td>0%</td>
<td>30%</td>
</tr>
<tr>
<td>Scene 3: TV viewing</td>
<td>60%</td>
<td>70%</td>
</tr>
<tr>
<td>Scene 4: reading/music</td>
<td>30%</td>
<td>65%</td>
</tr>
</tbody>
</table>
QS light control solution:

**system components**

**GRAFIK Eye® QS**
- Preset control of both lighting and shading zones from one control
- Astronomic and programmable time clock provides scheduling to meet energy code requirements
- Information display provides easily read energy savings, lighting levels, and time clock information
- Connection port for IR receiver, PC, and occupancy sensor

**Sivoia® QS blind**
- Provides ultra-quiet, precision control of daylight
- Simple, low-voltage installation
- Sheer, privacy, and blackout fabrics available in a variety of colours and styles

**Ethernet/RS232 interfaces**
- Allow for seamless integration of lights and blinds with A/V and building management systems

**Input/Output device**
- Simple, third-party interface with contact closure input
- Low-voltage control for A/C motors
seeTouch® QS wallstations
- Available in a variety of styles and button configurations
- Available with or without raise/lower buttons and an infrared sensor
- Control blinds, lights, or a combination of both
- Available in a wide variety of colours and finishes
- Standard and custom engraving available for ease of operation

QS smart panel power supply
- Provides power and communication wiring to Sivoia QS blinds, wallstations, and other devices
- Manual override buttons for system verification
- Built-in link diagnostics for easy confirmation of system wiring and communication

Sivoia QS infrared remote
- Offers open/close and fine-tune raise/lower control
- Can send commands to an individual blind or to a group of blinds
features

GRAFIK Eye® QS

Control your blinds
Backlit labeled blind control buttons (changeable in the field)

Backlit zone buttons
Raise or lower each group of lights. LEDs indicate the current light level for each zone.

Colour options (see pages 22–23)
Available in multiple colours and finishes for endless combinations that will accent any décor

Connections to:
- Infrared receiver
- Personal computer
- Low-voltage occupancy sensor (24 volt)
- A/V and building management systems via RS232/ethernet interface
- Accessory wallstations
- Additional GRAFIK Eye QS control units
- Sivoia QS roller blinds

Control your lights
Backlit labeled buttons for selecting scenes, with or without blinds (changeable in the field)

Infrared remote control
Provide hand-held control with an infrared remote.

Time clock
Provides scheduling to meet energy code requirements (multiple language options)

Information display
Easily read energy savings, lighting levels, and time clock information (multiple language options)
features

Sivoia® QS blinds

Sivoia QS blinds
- Smooth, quiet movement with programmable stopping points
- Precise alignment of blinds to within 3 mm
- Simple, low-voltage installation

Precision control of daylight
Sivoia QS roller shading solutions utilise patented Lutron quiet electronic drive technology to control blinds with quiet precision and elegance. Blinds start, move, and stop in unison, operating smoothly and maintaining perfect alignment with each other. Minimal 20 mm light gaps ensure maximum window coverage.

Simple to operate
seeTouch® QS wallstations offer simple, intuitive control of Sivoia QS blinds in a space. Buttons are backlit and engraved for convenient operation. Preset buttons allow a user to instantly recall a favourite level for any time of the day. Select from a wide variety of styles, colours, and metal finishes to complement any décor.

Ultra-quiet performance
Sivoia QS roller blinds operate at a near-silent level, rated at 44dBA at 1 m. Control daylight without disturbing the activity in a space.

Easy to design, install, and integrate
Sivoia QS provides many features to add flexibility and ease at any stage of a project. Universal brackets and a new simplified wiring scheme make it easy to specify and install the system.

Total light control
Combine GRAFIK Eye® QS and Sivoia QS for intuitive control of both electric light and daylight. Lutron QS technology provides seamless integration with other Lutron lighting control products — without interfaces.
**wallstations**

**International seeTouch® QS wallstations**
All keypads are available with standard or custom engraving (10 models available).
seeTouch® QS wallstations
All keypads are available with standard or custom engraving (14 models available).
Various control strategies can provide the functionality and energy conservation needed for each space. While preset scene control is inherent in all QS solutions, these additional strategies can be utilised independently or together.

**control strategies**

**preset scene control**
Lighting presets easily recall different scenes for different purposes.

**daylight control**
Quietly control daylight with precision and elegance at the touch of a button.

**time scheduling**
Control lights and blinds automatically based on a user-defined schedule.

**occupancy response**
Turn lights on and off automatically based on room occupancy.

**details**

- Preset scenes provide a convenient way to recall lighting (compared to making adjustments on multiple dimmers)
- Four preset scenes are available on the main preset control unit while 16 presets are available via additional wallstations
- Daylight is a source of light and needs to be controlled to provide the right light level for the activity and time of day
- Blinds can be integrated with room presets or operated independently
- Blinds are available in both sheer and blackout materials
- Time clock control provides automatic changes at specific times throughout the day
- Time clock control can be used to turn off lights and adjust blinds after-hours in spaces that are typically operated manually
- Time clock events can be scheduled in real time or relative to sunrise and sunset
- Occupancy sensors reduce energy consumption by automatically shutting off lights in unoccupied spaces
wallstations

Provide control points throughout a space.

partitioning

Set lighting controls to adapt to changes in room configurations.

portable control

Provide hand-held control for lights and blinds with an infrared remote control.

A/V integration

Integrate lights and blinds with A/V and building management systems.

- Typical locations include room entrances, presentation points, at bedside, or by a desk
- Wallstations are available in a number of button configurations based on their function (on/off, preset, blind control, etc.)
- Wallstations allow control of lights and blinds by toggle, preset scene, and raise/lower
- Partitioning allows the lighting control to track how the walls of a flexible space change
- Controls can be combined or separated manually as well as automatically via infrared partition sensors
- Portable control can be a Lutron control or a “learnable” device such as a universal remote
- Lighting presets and individual blind zones are accessible via the device
- Provide access to the lighting presets and individual blind zones from an A/V system or building management system
- The connection between the lighting control system and the A/V or building management system can be accomplished via RS232, ethernet, wired infrared, or contact closures
balance flexibility and functionality with energy efficiency

Conference room strategies

**preset scene control**
Typical preset scenes include conference, A/V, presentation, cleanup, and off.

**daylight control**
Use sheer blinds and/or blackout blinds to adapt the space for a variety of uses.

**occupancy response**
Locate a ceiling sensor in the room to shut the lights off automatically. Set up the system so that the lights must be turned on manually to save energy.

**wallstations**
Locate a simple 2-button control at the entrance(s) and a separate blind control by the windows.

**A/V integration**
Link the flat-screen TV with lighting and blinds. Automatically select the A/V preset scene when the TV is on and receiving a signal from a computer.
enhance the design with a dramatic lighting solution

Cafe strategies

**preset scene control**
Typical preset scenes include lunch, afternoon, early evening, late evening, and after-hours.

**time scheduling**
Set changes to occur automatically so the staff can focus on the customers. Longer fade rates allow the lights to change imperceptibly.

**wallstations**
Give the hostess control with a wallstation to make adjustments as needed.

Restaurants use the lighting to create and complement the ambiance.
create comfort and elegance in your home

Residential strategies

**daylight control**
Incorporate sheer blinds to prevent glare and reduce heat gain.

**wallstations**
Locate a blind control at the entrance. Select a preset or raise and lower blinds.

**portable control**
Operate the blinds with a simple, intuitive remote control. Let the outside in from the comfort of your favourite chair.

Daylight control elegantly transforms a space for any activity. Select a preset to quietly lower your blinds to your favourite position. Reduce glare, let in the view of the outside, or simply lower blinds to protect valuable furnishings from harmful UV rays.
Sivoia® QS sheer blind group

Sivoia QS remote control

seeTouch® QS blind control wallstation with IR receiver
available colours to coordinate with any décor

Architectural matt finishes

- White (WH) f, s, b
- Lt. Almond (LA) f, s, b
- Brown (BR) f, s, b
- Beige (BE) f, s, b
- Almond (AL) f, s, b

Architectural metal finishes

- Bright Brass (BB) f, s
- Satin Chrome (SC) f, s
- Bright Nickel (BN) f, s
- Antique Brass (QB) f, s
- Satin Nickel (SN) f, s
- Satin Brass (SB) f, s
- Bright Chrome (BC) f, s
- Antique Bronze (QZ) f, s

Anodised aluminium finishes

- Clear (CLA) f, s
- Black (BLA) f, s
- Brass (BRA) f, s

Colour option guide

- f: faceplate colour option
- s: stripe colour option
- b: button colour option
**Satin Color® matt finishes**

- Hot (HT) f, s
- Terracotta (TC) f, s
- Sea Glass (SG) f, s
- Goldstone (GS) f, s
- Snow (SW) f, s, b
- Merlot (MR) f, s
- Greenbriar (GB) f, s
- Taupe (TP) f, s, b
- Desert Stone (DS) f, s
- Palladium (PD) f, s
- Plum (PL) f, s
- Bluestone (BG) f, s
- Eggshell (ES) f, s, b
- Stone (ST) f, s
- Midnight (MN) f, s
- Turquoise (TQ) f, s
- Mocha Stone (MS) f, s
- Biscuit (BI) f, s, b
- Limestone (LS) f, s
- Sienna (SI) f, s

**International wallbox finishes**

- Argentum (AR) f, s
- Mica (MC) f, s
- Arctic White (AW) f, s, b
- Merlot (MR) f, s
- Plum (PL) f, s
- Turquoise (TQ) f, s
- Mocha Stone (MS) f, s
- Biscuit (BI) f, s, b
- Limestone (LS) f, s
- Sienna (SI) f, s

Please note: black architectural matt buttons are available for international seeTouch® QS wallstations.

Use the GRAFIK Eye® QS Visualizer to design a customised control unit and generate model numbers and order forms. View it on screen or print a copy to present to your design team or client.

[www.lutron.com/grafikeyeqs](http://www.lutron.com/grafikeyeqs)
Lutron is committed to bringing our customers best-in-class products and solutions that offer superior performance, with world-class service and global support.

Light control is environmentally responsible. It enhances life safety and it strengthens security. Lutron develops high-quality, elegant lighting products and solutions that help reduce energy costs significantly. We innovate in advance of emerging market needs, and we continually streamline our quality, our delivery, and our value.

Lutron owns over 250 patents and manufactures more than 15,000 products. For over 45 years, we have met and exceeded the highest standards of quality and service. Every one of our products is quality-tested before it leaves the factory, and we are available to help, on the phone or in the field, whenever we are needed.

**Expert design assistance**
- Product, application and system knowledge to identify the best solutions to meet project objectives
- Design assistance for the specification community with drawings and written specifications
- Quick turnaround to meet construction schedules
- Prototype commitments and system performance evaluations
- Global project management

**Expert service**
- Ongoing commitment to service and reliability
- Global field service engineers handle factory commissioning and support
- 24/7 multilingual technical phone support
- Assured performance plans include annual warranty extension, annual comprehensive preventative maintenance, and customised training
Use the GRAFIK Eye® QS Visualizer to design a customised control unit and generate model numbers and order forms. View it on screen or print a copy to present to your design team or client. [www.lutron.com/grafikeyeqs](http://www.lutron.com/grafikeyeqs)