

new | QS total light control
Customisable preset light and blind control system



 **LUTRON**

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

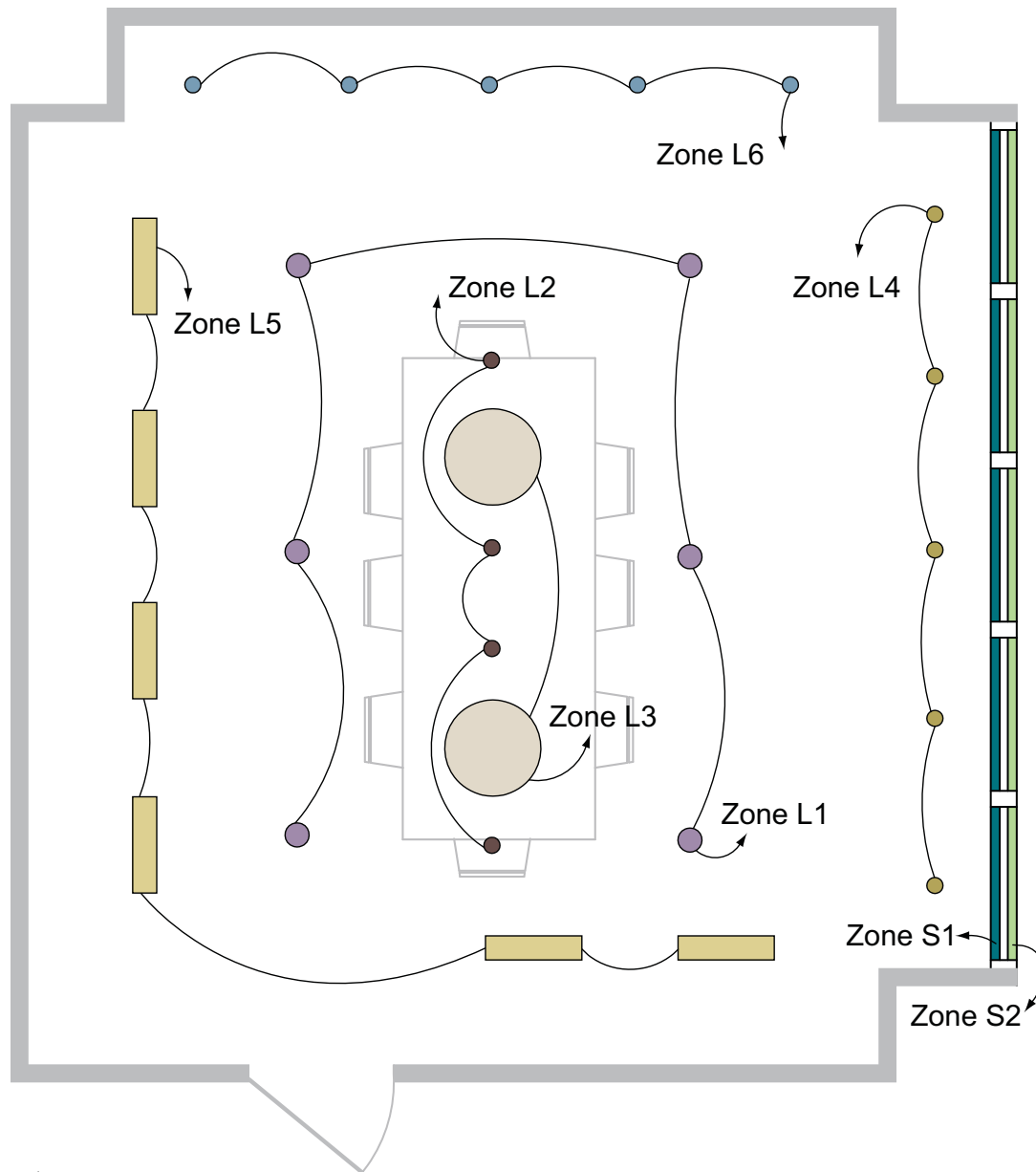
Sivoia QS roller blinds utilise patented Lutron quiet electronic drive technology to control blinds with quiet precision and elegance. Blinds start, move, and stop in unison, operating smoothly and maintaining perfect alignment with each other. Minimal 20mm light gaps ensure maximum window coverage.

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%.



the basics of preset lighting control: **zones**



Lighting zones

- Zone L6: Display Area
- Zone L5: Wall Wash
- Zone L4: Window
- Zone L3: Pendants
- Zone L2: Table Downlights
- Zone L1: Downlights

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.

Blind zones (groups)

- Zone S1: Blackout blinds
- Zone S2: Sheer blinds



Product shown at actual size in taupe with a satin nickel stripe.

preset scenes: **commercial**

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 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.

	Lighting zones						Blind zones	
	downlights	table	pendants	window	wall wash	display area	blackout	sheer
Scene 1: conference	40%	20%	0%	0%	75%	10%	open 100%	open 100%
Scene 2: video training	20%	50%	50%	50%	50%	20%	closed 100%	open 100%
Scene 3: general meeting	75%	50%	75%	20%	75%	30%	open 100%	closed 100%
Scene 4: A/V presentation	50%	30%	0%	30%	20%	10%	open 100%	closed 50%



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.

preset scenes: **residential**

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 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.

	Lighting zones			Blind zones	
	downlights	table	accent	blackout	sheer
Scene 1: general activities	80%	90%	100%	open 100%	open 100%
Scene 2: film time	0%	30%	10%	closed 100%	open 100%
Scene 3: TV viewing	60%	70%	50%	open 100%	closed 30%
Scene 4: reading/music	30%	65%	10%	open 100%	closed 100%



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.

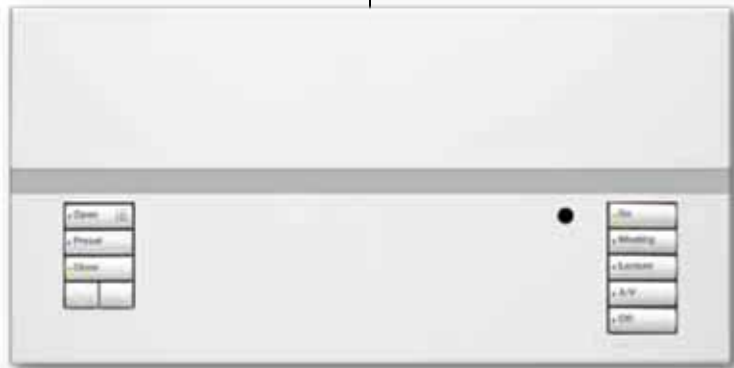


Scene 4: reading/music

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.

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

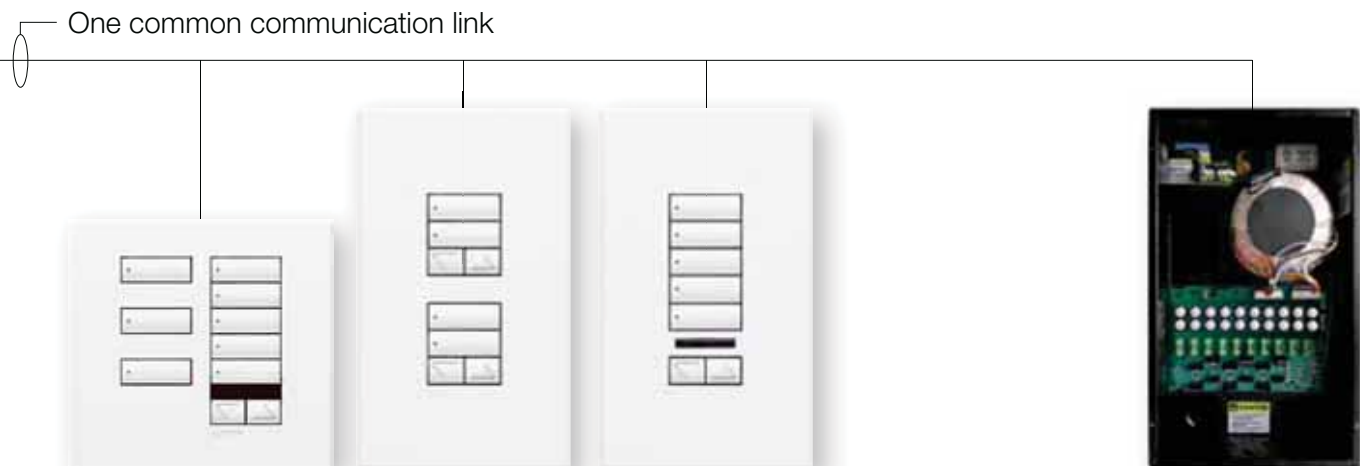
- Allow for seamless integration of lights and blinds with A/V and building management systems



Input/Output device

- Simple, third-party interface with contact closure input
- Low-voltage control for A/C motors

One common communication link



The diagram illustrates a common communication link system. A horizontal line represents the communication link, with a small circle at the left end. Three vertical lines branch off from this horizontal line, each connecting to a different wallstation. A fourth vertical line branches off from the horizontal line, connecting to a power supply unit. The wallstations are shown in three different styles: one with a grid of buttons, one with a single large button, and one with a single large button and a small sensor. The power supply unit is shown as a black rectangular device with a green circuit board and various components.

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).



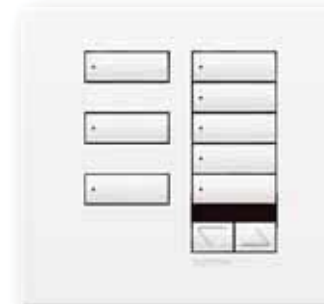
2-button wallstation



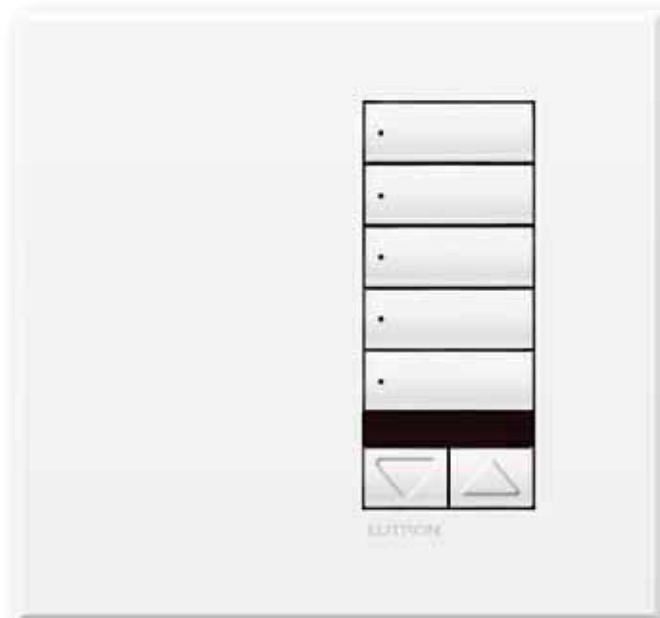
4-button wallstation



5-button wallstation with raise/lower



8-button wallstation with infrared receiver and raise/lower



5-button wallstation with infrared receiver and raise/lower (shown at actual size)



7-button wallstation with raise/lower



Dual wallstation with 3-button and 3-button with raise/lower

seeTouch® QS wallstations

All keypads are available with standard or custom engraving (14 models available).



5-button wallstation with infrared receiver and raise/lower (shown at actual size)



1-button wallstation



2-button wallstation with infrared receiver and raise/lower



3-button wallstation



3-button wallstation with raise/lower



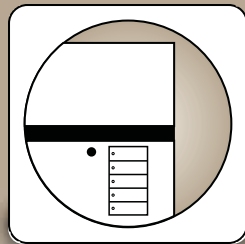
Dual 2-button wallstation with raise/lower



5-button wallstation

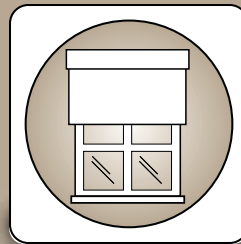
Various control strategies can provide the functionality and energy conservation needed for each space. While preset scene control is inherent in all QS solutions, these additional strategies can be utilised independently or together.

control strategies



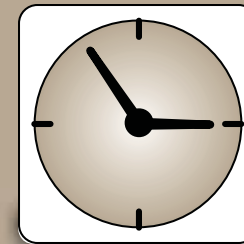
preset scene control

Lighting presets easily recall different scenes for different purposes.



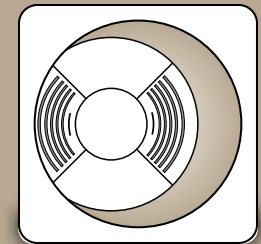
daylight control

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.

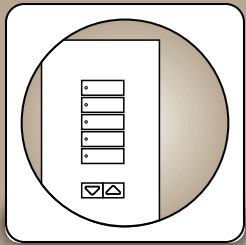


occupancy response

Turn lights on and off automatically based on room occupancy.

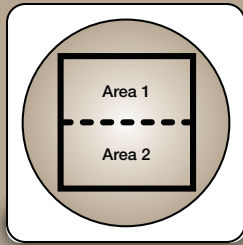
details

- 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



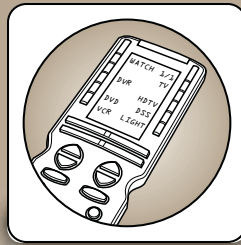
wallstations

Provide control points throughout a space.



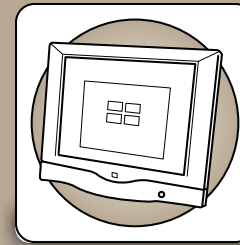
partitioning

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

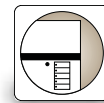
- Provide access to the lighting presets and individual blind zones from an A/V system or building management system
- The connection between the lighting control system and the A/V or building management system can be accomplished via RS232, ethernet, wired infrared, or contact closures

balance flexibility and functionality
with energy efficiency



Conference rooms require the flexibility to change the lighting levels and blind position based on the activity and time of day.

Conference room strategies



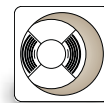
preset scene control

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



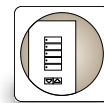
daylight control

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.



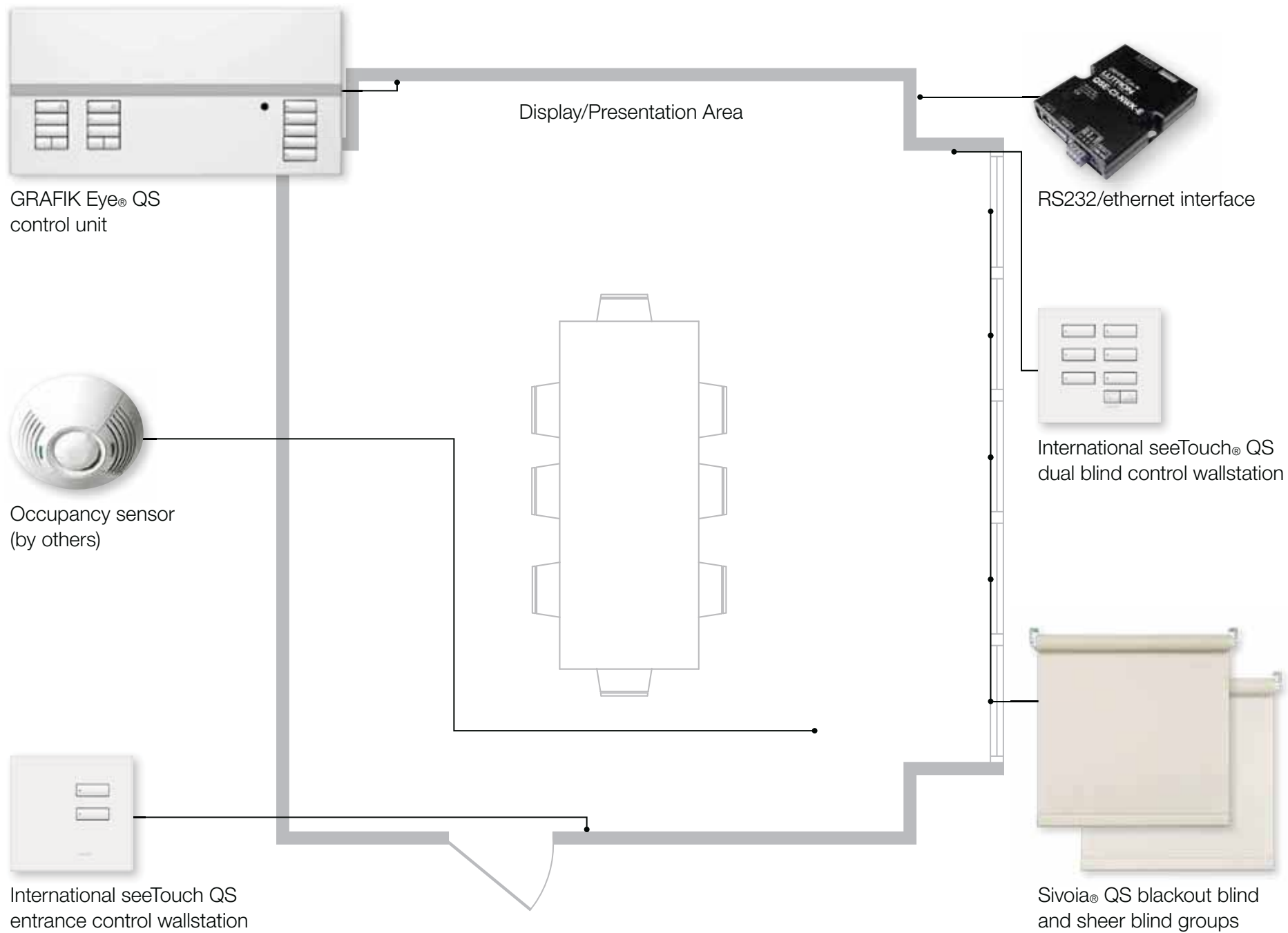
wallstations

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.

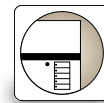


enhance the design with
a dramatic lighting solution



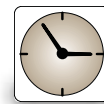
Restaurants use the lighting to create and complement the ambiance.

Cafe strategies



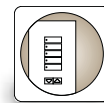
preset scene control

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



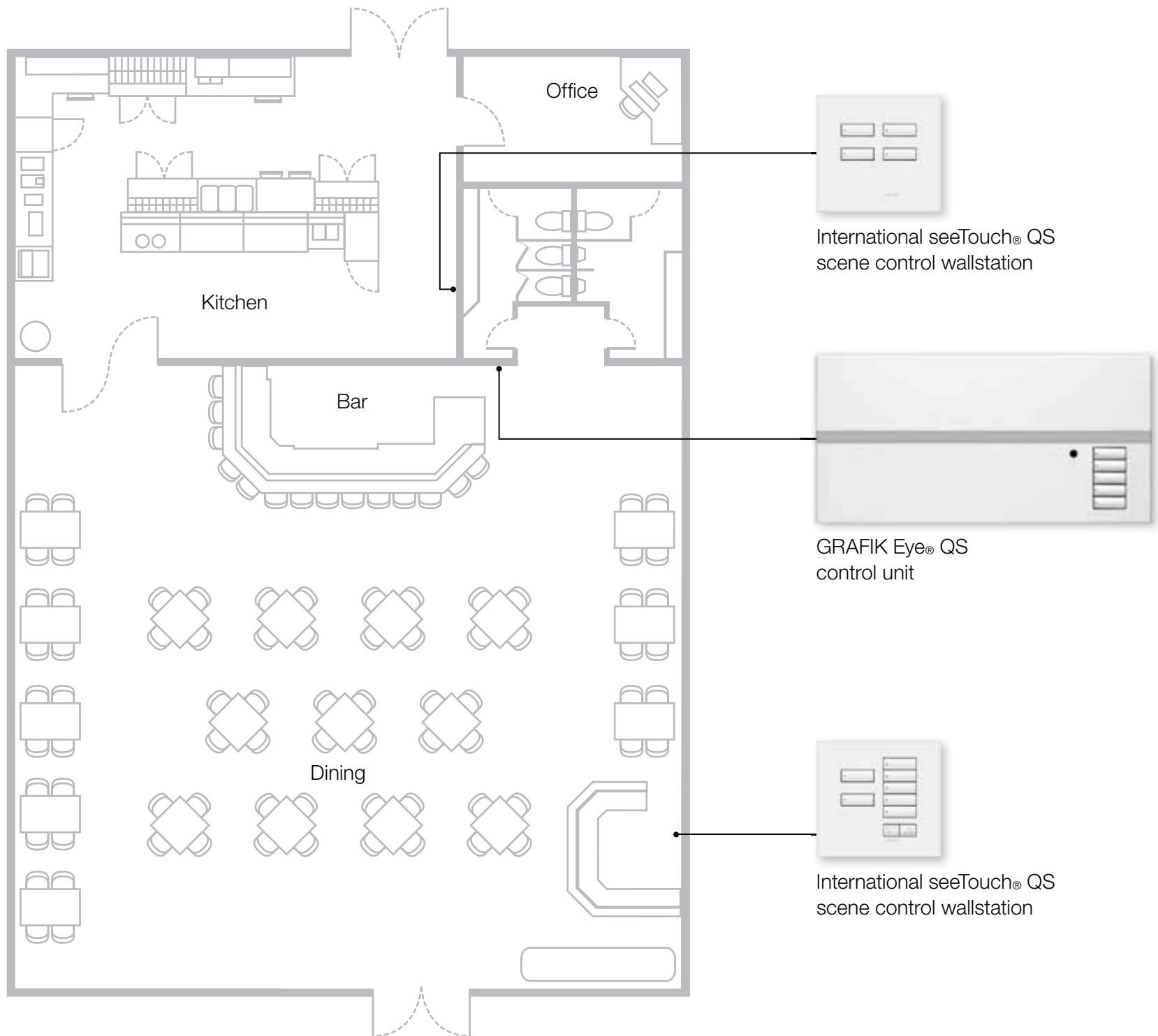
time scheduling

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.



create comfort and elegance
in your home



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.

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

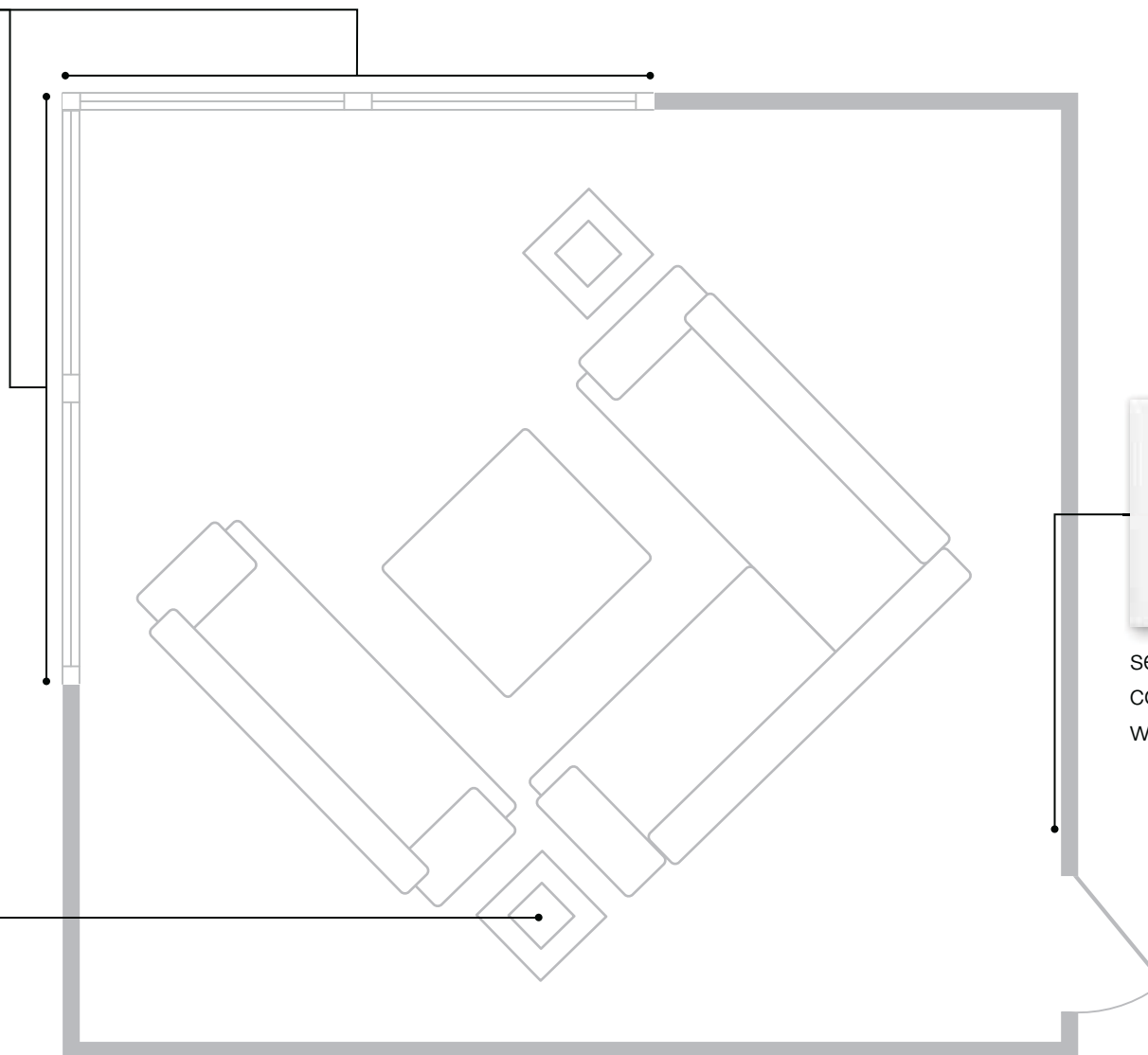
Operate the blinds with a simple, intuitive remote control. Let the outside in from the comfort of your favourite chair.



Sivoia® QS sheer
blind group

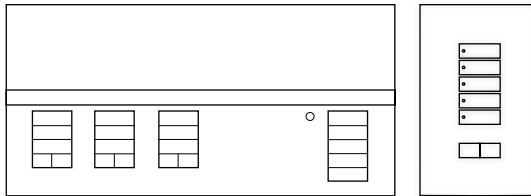


Sivoia QS remote control

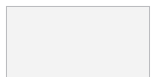


seeTouch® QS blind
control wallstation
with IR receiver

available colours to coordinate
with any décor



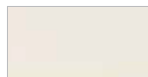
Architectural matt finishes



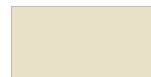
White
(WH) **f, s, b**



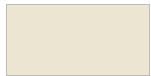
Ivory
(IV) **f, s, b**



Beige
(BE) **f, s, b**



Almond
(AL) **f, s, b**



Lt. Almond
(LA) **f, s, b**



Gray
(GR) **f, s, b**



Brown
(BR) **f, s, b**



Black
(BL) **f, s, b**

Anodised aluminium finishes



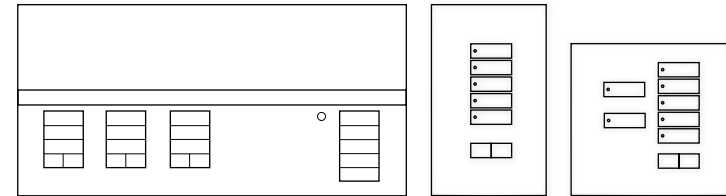
Clear
(CLA) **f, s**



Black
(BLA) **f, s**



Brass
(BRA) **f, s**



Architectural metal finishes



Bright Brass
(BB) **f, s**



Bright Chrome
(BC) **f, s**



Bright Nickel
(BN) **f, s**



Satin Brass
(SB) **f, s**



Satin Chrome
(SC) **f, s**



Satin Nickel
(SN) **f, s**

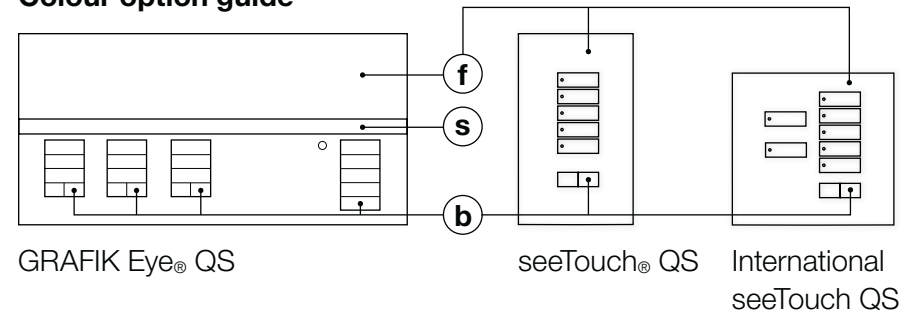


Antique Brass
(QB) **f, s**

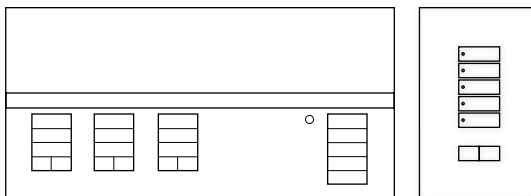


Antique Bronze
(QZ) **f, s**

Colour option guide



- f** faceplate colour option
- s** stripe colour option
- b** button colour option



Satin Color® matt finishes



Hot
(HT) **f, s**



Merlot
(MR) **f, s**



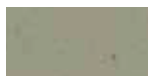
Plum
(PL) **f, s**



Turquoise
(TQ) **f, s**



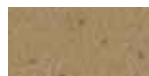
Terracotta
(TC) **f, s**



Greenbriar
(GB) **f, s**



Bluestone
(BG) **f, s**



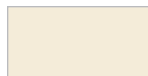
Mocha Stone
(MS) **f, s**



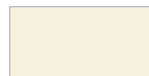
Sea Glass
(SG) **f, s**



Taupe
(TP) **f, s, b**



Eggshell
(ES) **f, s, b**



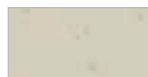
Biscuit
(BI) **f, s, b**



Goldstone
(GS) **f, s**



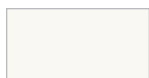
Desert Stone
(DS) **f, s**



Stone
(ST) **f, s**



Limestone
(LS) **f, s**



Snow
(SW) **f, s, b**



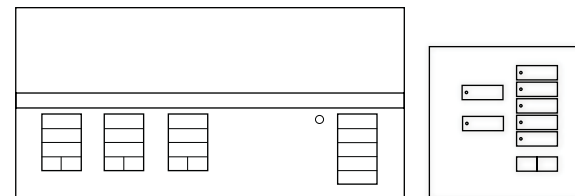
Palladium
(PD) **f, s**



Midnight
(MN) **f, s**



Sienna
(SI) **f, s**



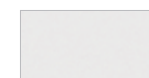
International wallbox finishes



Argentum
(AR) **f, s**



Mica
(MC) **f, s**



Arctic White
(AW) **f, s, b**

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

our commitment

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.

unmatched support

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





www.lutron.com

Lutron Electronics Co., Inc.
7200 Suter Road
Coopersburg, PA 18036-1299

World Headquarters +1.610.282.3800
European Headquarters: +44.(0)20.7702.0657
Asian Headquarters: +65.6220.4666

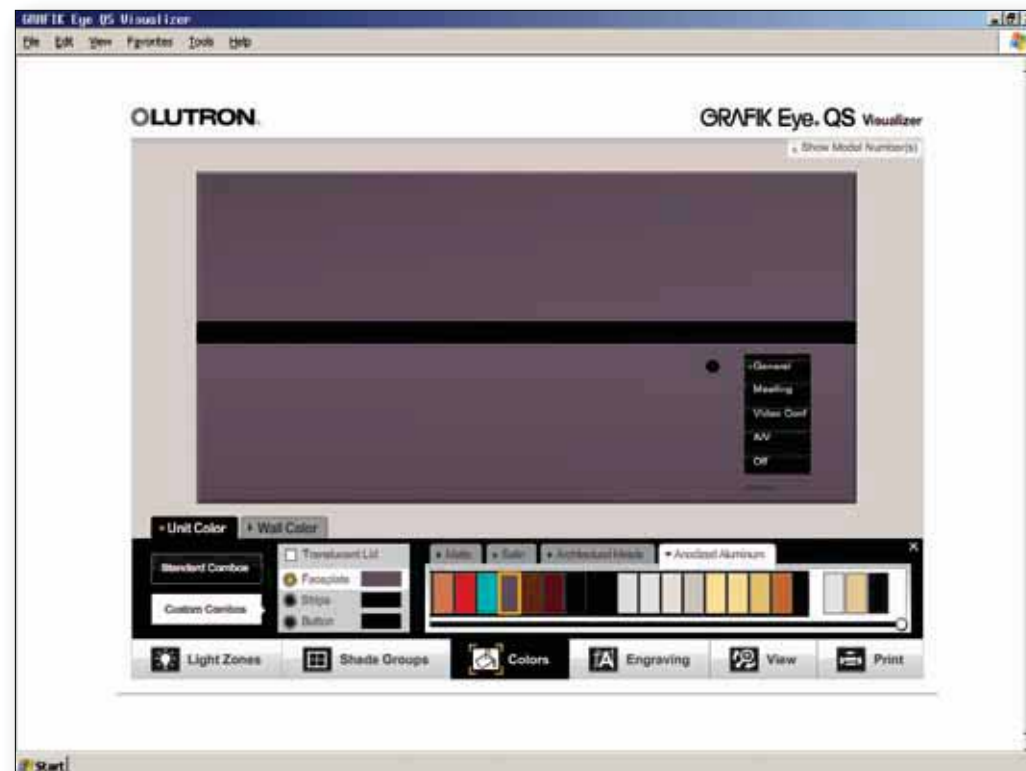
Technical Support Centers:
(Europe) +44.(0)20.7680.4481 (Asia) 1.800.120.4491

New Delhi +91 124 471 1900
Mumbai +91 22 4070 0867
Bangalore +91 80 4030 0485

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