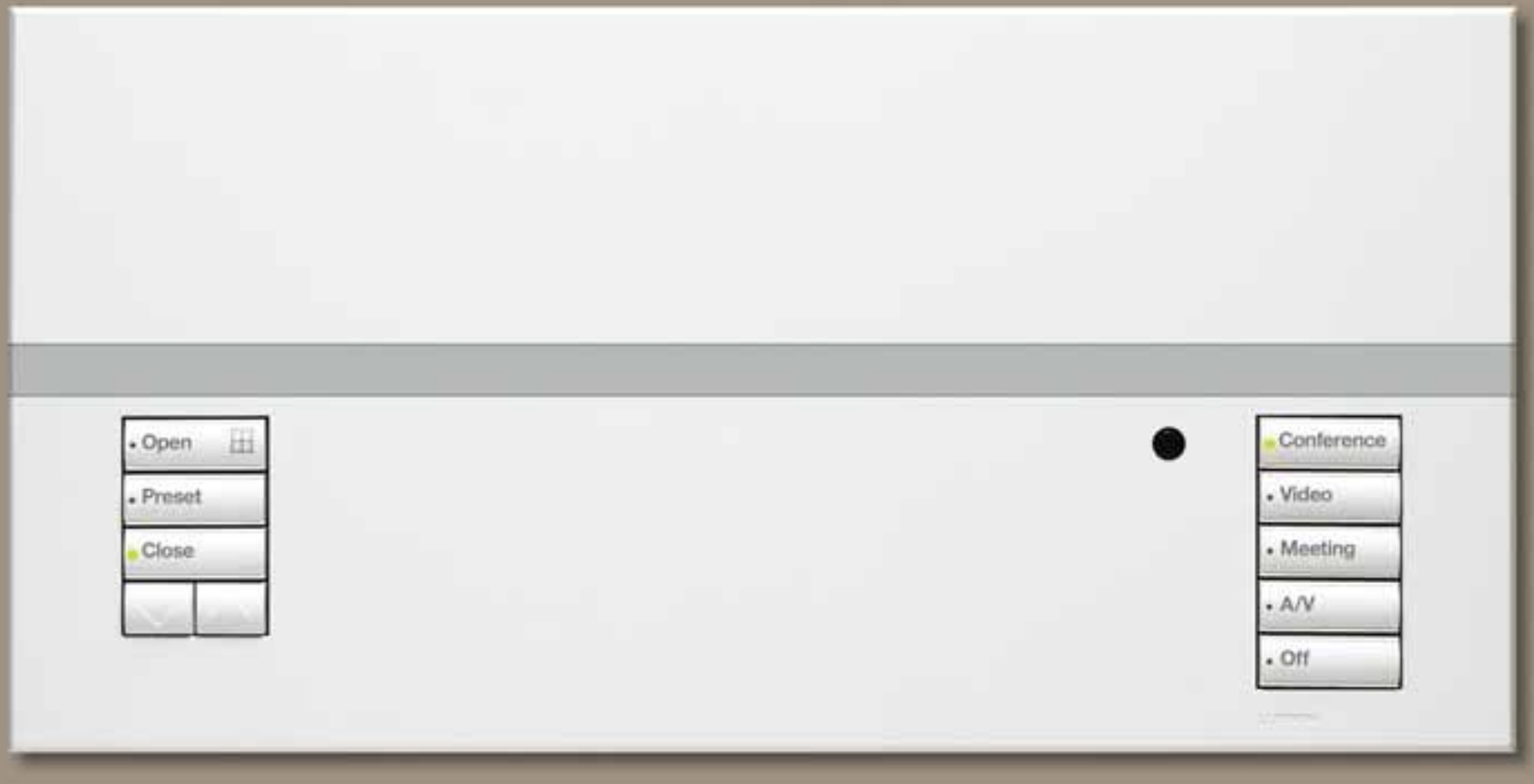


new | GRAFIK Eye® QS

Customizable preset light and shade control system

LUTRON®

Introducing the new GRAFIK Eye® QS

With the new GRAFIK Eye QS preset lighting control system, adjust your lights and shades for any task or activity in any room — commercial, institutional, or residential. Recall these settings with the touch of a button. The new GRAFIK Eye QS provides convenient control and enhancement of the visual environment.




GRAFIK Eye QS improves architectural lighting control

Simple to operate
Large, engravable, backlit buttons and an information display with many language options.

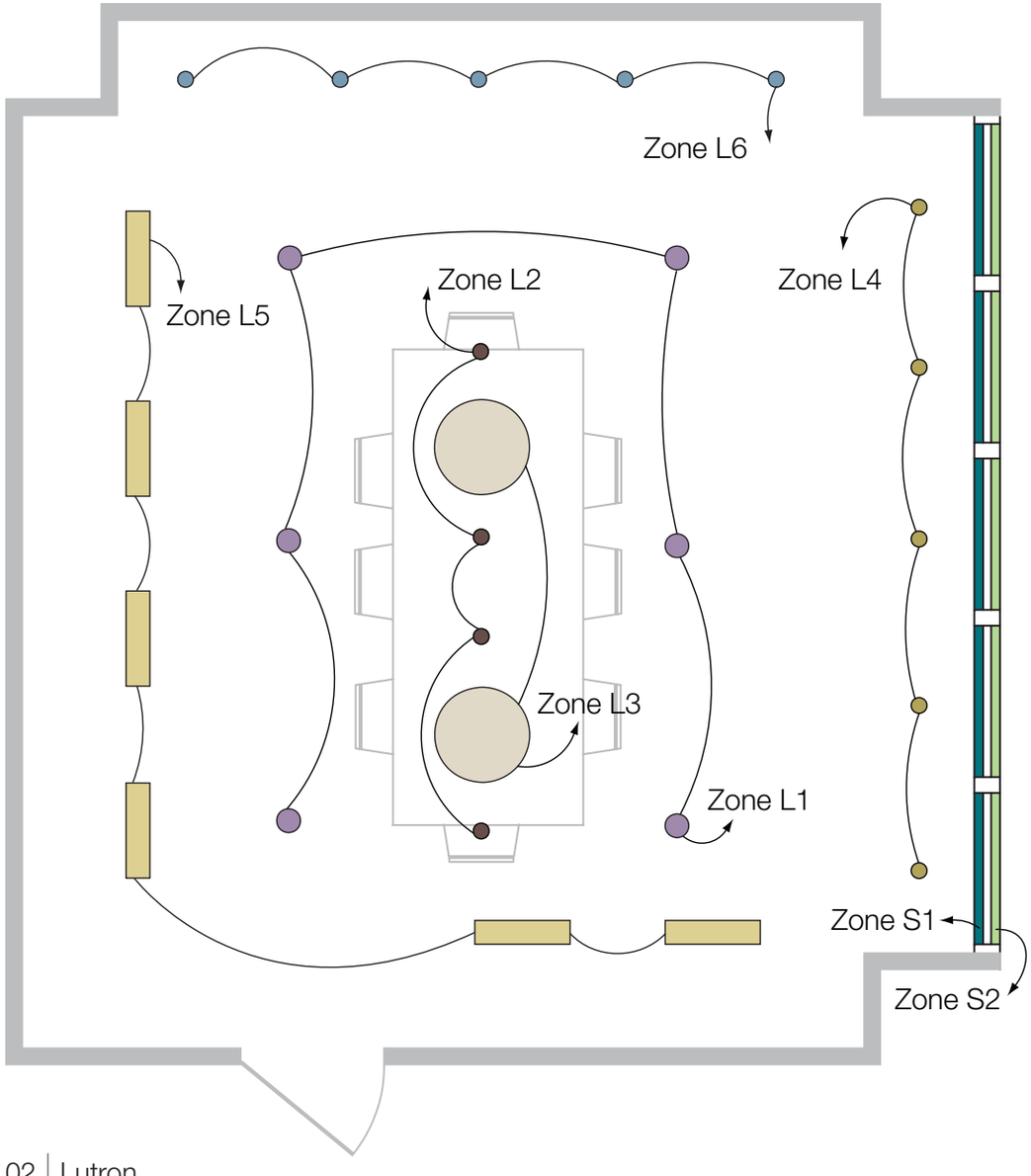
Easy to design and integrate
Connections to shades and A/V devices without an interface, direct powering of occupancy sensors, and new adaptive power modules that can handle both magnetic and electronic low-voltage transformers interchangeably.

Saves energy and complies with codes
Energy savings indicator, built-in astronomical and programmable time clock, direct connection to occupancy sensor, and the ability to dim lights to specific preset levels address ASHRAE, IECC, and Title 24 energy codes.

More architectural options
Selectable number of shade zones (0, 1, 2, or 3) and 39 colors and finishes.

Product shown at actual size.

the basics of preset lighting: **zones**



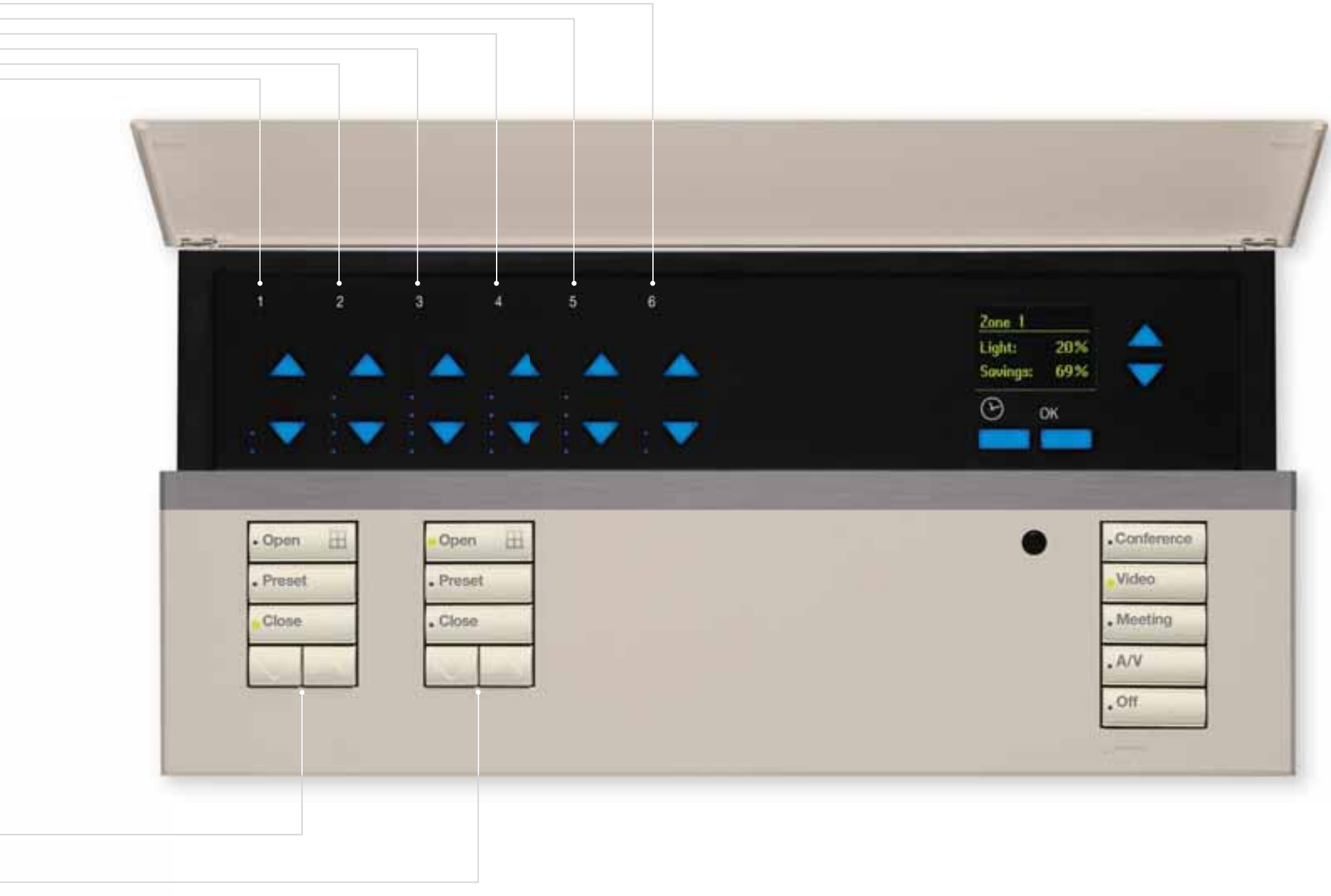
Lighting zones

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

A **zone** is a single light, shade, or any grouping of lights or shades traditionally controlled by one switch or dimmer. With GRAFIK Eye® QS, design each scene by adjusting the light and shades in a series of zones.

Shade zones

- Zone S1: Blackout shades
- Zone S2: Sheer shades


1
2
3
4
5
6
Zone 1
Light: 20%
Savings: 69%
OK
Open
Preset
Close
Open
Preset
Close
Conference
Video
Meeting
A/V
Off

preset scenes: **commercial**

Make conference rooms more flexible. Control the lighting and shades 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 shades allow natural daylight in, brightening the room to energize 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 avoid glare on the flat screen while still providing enough light on the table for note-taking. The window countertop is at a glow for accent. The blackout shades are closed to eliminate unwanted daylight.

	downlights	table	pendant	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 shades are lowered to reduce direct daylight 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 shades 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 movie, 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 shades are open to take advantage of natural daylight.

Scene 2: movie time
Lights are dimmed for optimal viewing of the movie.
Blackout shades are closed to eliminate unwanted daylight.

	downlights	table	accent	blackout	sheer
Scene 1: general activities	80%	90%	100%	open 100%	open 100%
Scene 2: movie 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 movie setting so the lights are brighter. The sheer shades are closed partially to reduce glare on the TV screen.

Scene 4: reading/music
This is a more relaxed setting but allows for task lighting to be bright enough for reading. The sheer shades are closed to provide a natural daylight glow.

features

Control your shades
Backlit labeled shade control buttons.
(changeable in the field)

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

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

Color options (see pages 22–23)
Available in 39 colors for endless combinations that will accent any décor.

Connections to:
- Infrared receiver
- Personal computer
- Occupancy sensor
  (no power supply needed)

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

Time clock

Provides scheduling to meet energy code requirements.
(many language options)

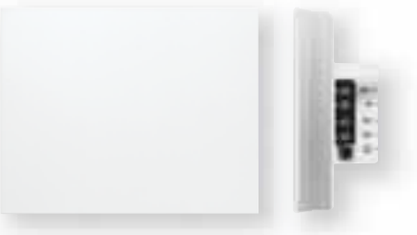
Information display
Easily read energy savings, lighting levels, and time clock information.
(many language options)

additional components

The GRAFIK Eye® QS system offers a number of components to complement the main preset control unit and complete the lighting control design.

Lutron occupancy sensors

- Self-adaptive technology updates time and sensitivity settings to ensure that the sensors have the greatest accuracy
- Direct connection to GRAFIK Eye QS



Power modules

- Three versions available: fluorescent, non-dim and adaptive
- Adaptive technology controls either magnetic or electronic transformers for low-voltage lighting
- Modules available for dual voltage (120 V and 277 V)

seeTouch® QS wallstations

- 14 models available with 1 to 7 scene preset buttons
- Available with or without raise/lower buttons and an IR sensor
- Control shades, lights, or a combination of both

Sivoia® QS shades

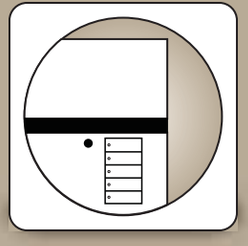
- Smooth, quiet movement with programmable stopping points
- Precise alignment of shades to within .125 inches
- Simple, low-voltage installation
- Available Fall 2007

Sivoia QS power supply panels

- Provide power and communication wiring to QS devices
- Manual override buttons
- Built-in link diagnostics
- Available Fall 2007

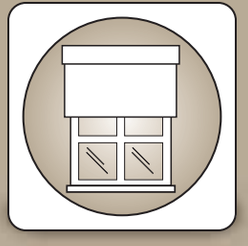
Various control strategies can provide the functionality and energy conservation needed for each space. While preset scene control is inherent in all GRAFIK Eye® QS solutions, each additional strategy can be utilized on its own or in combination with one another.

control strategies



preset scene control

Lighting presets easily recall different scenes for different purposes.

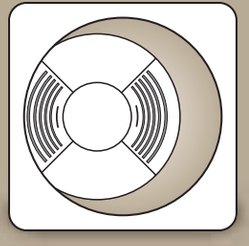


natural light control

Integrate electronic window treatments with lighting controls.

time scheduling

Turn lights on and off automatically based on a user-defined schedule.



occupancy response

Turn lights on and off automatically based on room occupancy.

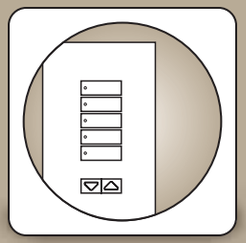
details

- 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
- Preset scene control meets the mandated “Multi-Level Lighting Control” requirement in the California Title 24 and IECC energy codes/standards

- Daylight is a source of light and needs to be controlled to provide the right light level for the activity and time of day
- Shades can be integrated with room presets or operated independently
- Shades 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 after-hours in spaces that are typically controlled manually
- Time clock events can be scheduled in real time or relative to sunrise and sunset
- Time clock control meets the mandated “Automatic Shut-Off” requirement in the ASHRAE 90.1, California Title 24, and IECC energy codes/standards

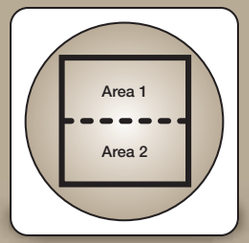
- Occupancy sensors reduce energy consumption by automatically shutting off lights in unoccupied spaces
- Infrared, ultrasonic, and dual technology sensors are available
- Occupancy sensor control meets the mandated “Automatic Shut-Off” requirement in the ASHRAE 90.1, California Title 24, and IECC energy codes/standards



wallstations

Provide control points throughout a space.

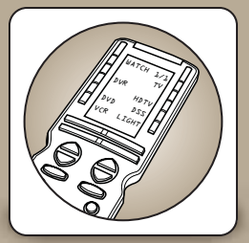
- Typical locations include room entrances, presentation points, at bedside, or by a desk
- Wallstations are available in a number of button configurations based on their function (on/off, preset, shade control, etc.)
- Wallstations meet the mandated “Space Control” requirement in the ASHRAE 90.1, California Title 24, and IECC energy codes/standards



partitioning

Set lighting controls to adapt to changes in room configurations.

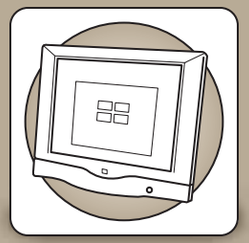
- Partitioning allows the lighting control to track how the walls of a flexible space change
- Controls can be combined or separated manually as well as automatically via infrared partition sensors
- Spaces with up to 7 walls and 8 separate rooms can be accommodated easily



portable control

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

- Portable control can be a Lutron control or a “learnable” device such as a universal remote
- Lighting presets and individual shade zones are accessible via the device



A/V integration

Integrate lighting control with A/V and building management systems.

- Provide access to the lighting presets and individual shade zones from an A/V system or building management system (BMS)
- The connection between the lighting control system and the A/V or BMS system requires direct wired infrared control or contact closures

balance flexibility and functionality with energy efficiency

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

Conference room strategies

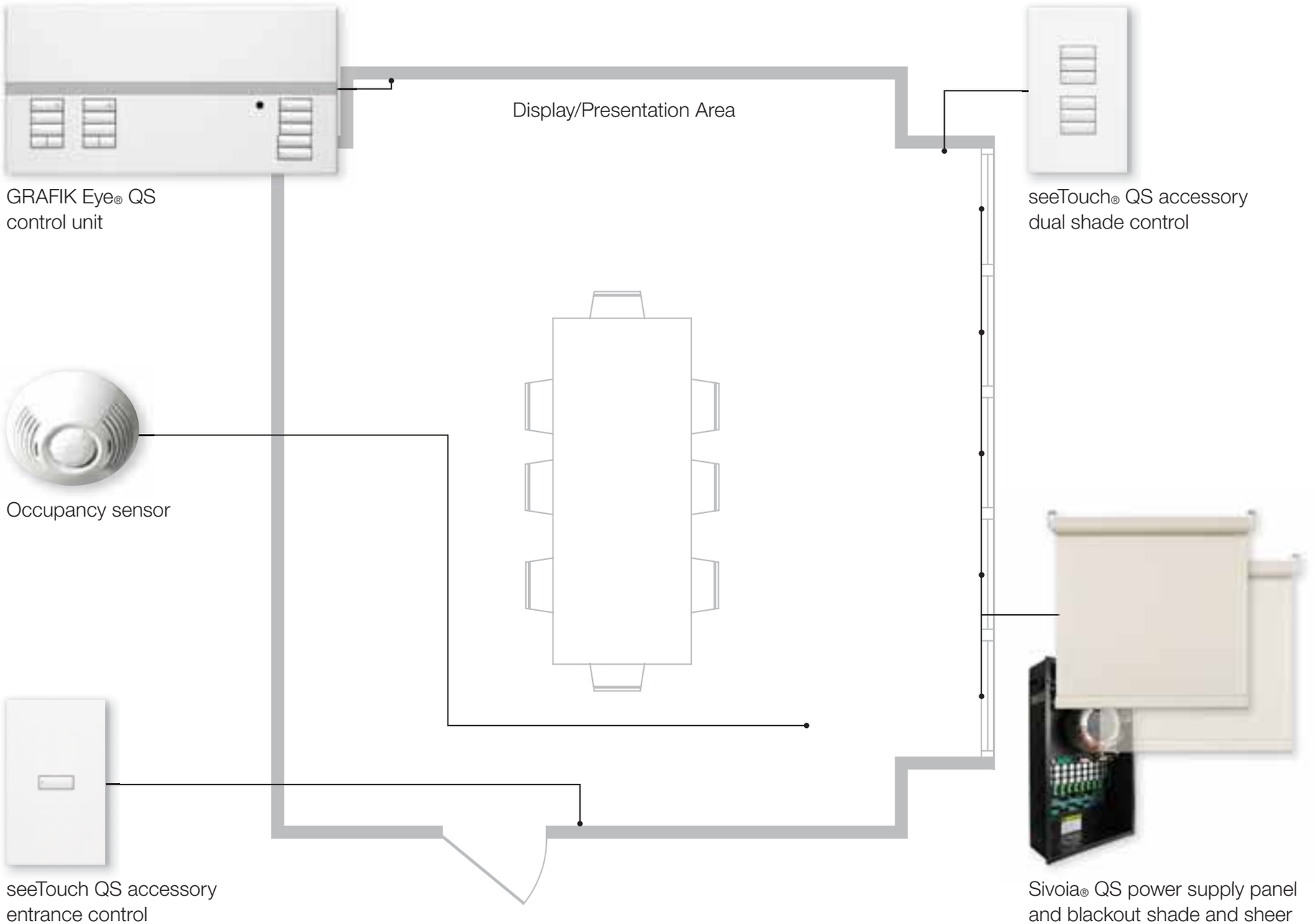
preset scene control
Typical preset scenes include conference, A/V, presentation, cleanup, and off.

natural light control
Use sheer shades and/or blackout shades depending upon how much A/V equipment is in the room.

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

wallstations
Locate a simple one-button control at the entrance(s) and a separate shade control by the windows.

A/V integration
Link the flat-screen TV and lighting. Automatically select the A/V preset scene when the TV is on and receiving a signal from a computer.


Display/Presentation Area
GRAFIK Eye® QS control unit
seeTouch® QS accessory dual shade control
Occupancy sensor
seeTouch QS accessory entrance control
Sivoia® QS power supply panel and blackout shade and sheer shade groups

change the space to suit the needs of the customer

Flexible meeting spaces that can change size based on the number of people or the activity require movable walls and lighting that change with them.

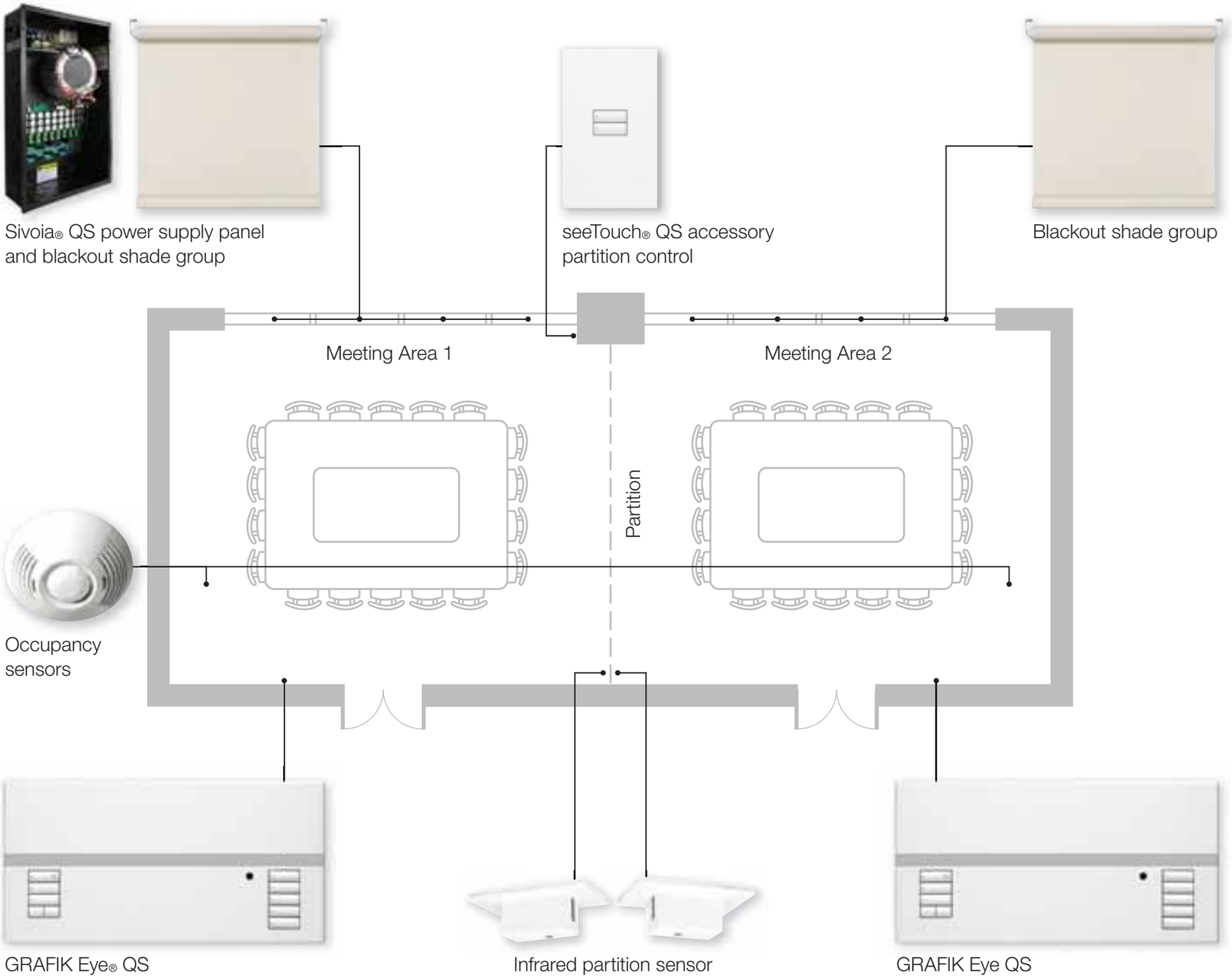
Meeting room strategies

preset scene control
Typical preset scenes include meeting, A/V, presentation, set up, and off.

natural light control
Control shades as flexibly as you control the lighting within partitionable spaces.

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

partitioning
Use infrared sensors to automatically provide a signal to the lighting control to operate the rooms independently or together.


Sivoia® QS power supply panel and blackout shade group
seeTouch® QS accessory partition control
Blackout shade group
Meeting Area 1
Meeting Area 2
Partition
Occupancy sensors
GRAFIK Eye® QS control unit
Infrared partition sensor (ceiling mounted)
GRAFIK Eye QS control unit

enhance the design with a dramatic lighting solution

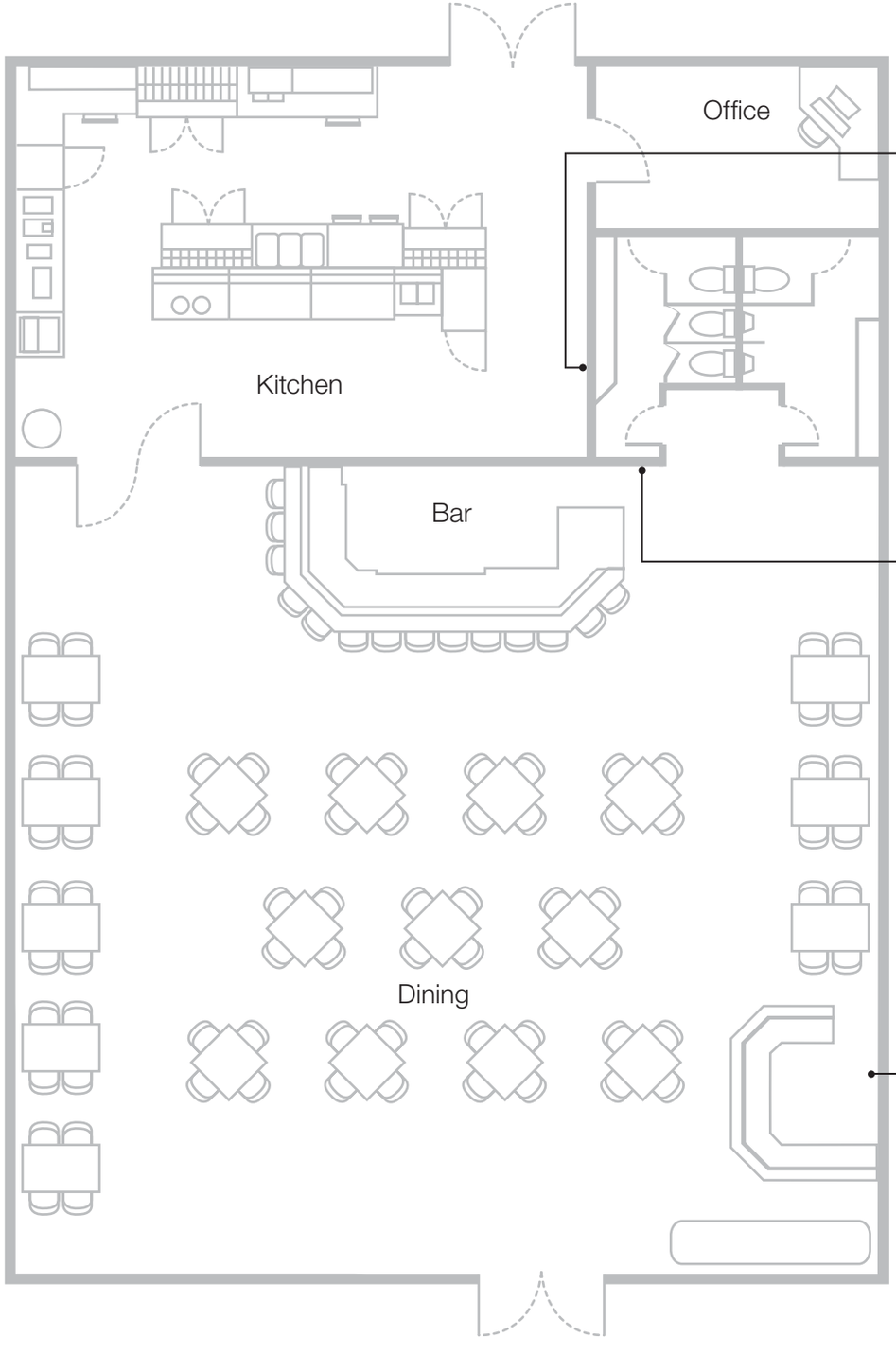
Restaurants use the lighting to create and complement the ambience.

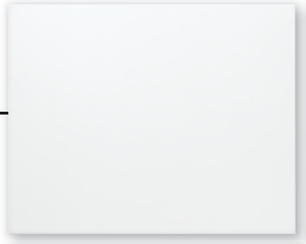
Cafe strategies

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 are used to have the lights change imperceptibly.

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





Power module

GRAFIK Eye® QS
control unit

seeTouch® QS accessory
scene control

maximize the home theater experience

Lighting control immerses the user in the home theater experience, with lights that fade as the movie begins.

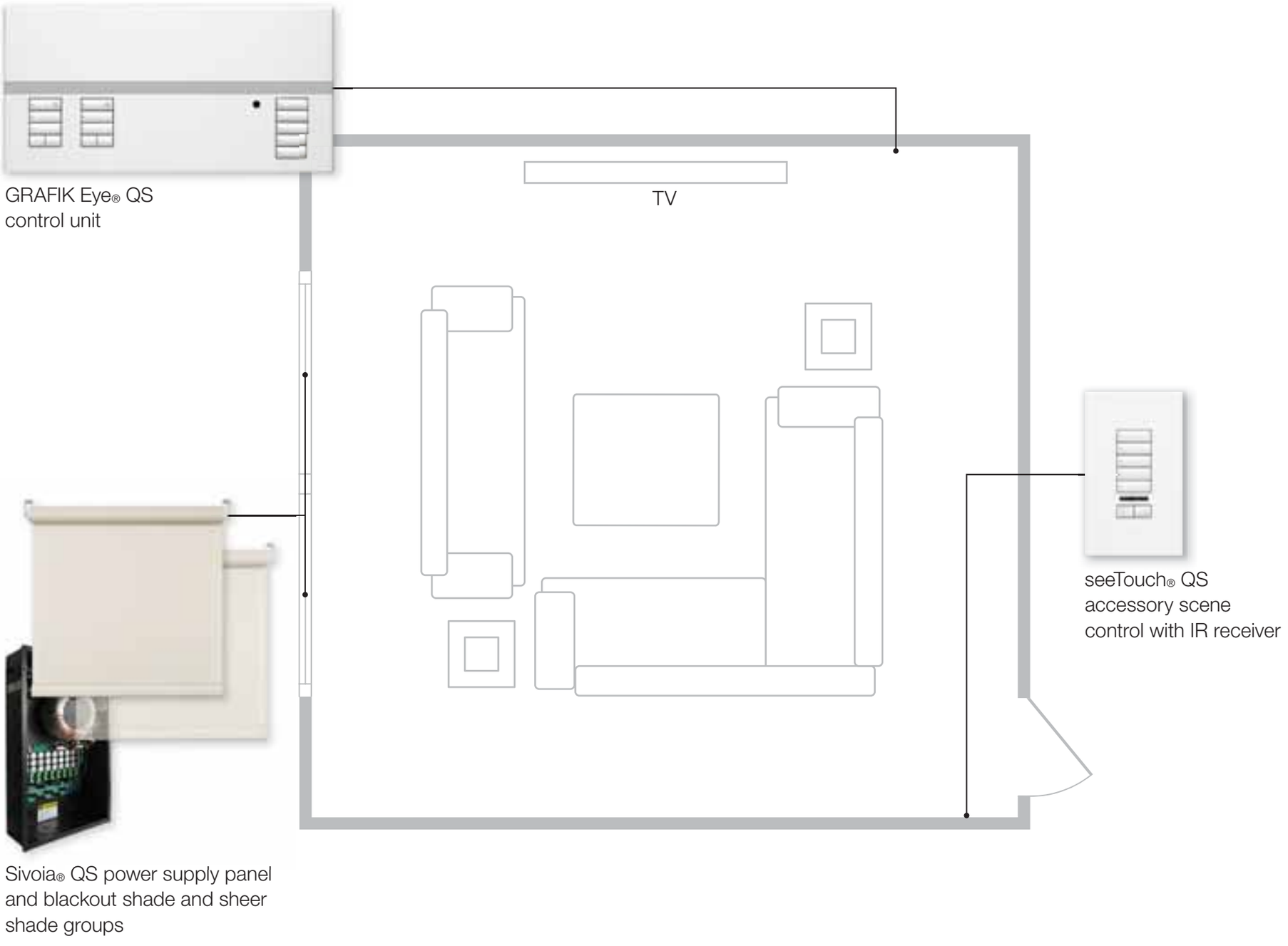
Home theater strategies

preset scene control
Typical preset scenes include day, movie, TV, reading, and off.

natural light control
Incorporate sheer shades to prevent glare on the screen and blackout shades to eliminate unwanted daylight.

wallstations
Locate a control near the door to provide access to preset scenes from an additional location.

portable control
Operate the A/V equipment, the lighting, and the shades with a universal remote.


GRAFIK Eye® QS
control unit
TV
seeTouch® QS
accessory scene
control with IR receiver
Sivoia® QS power supply panel
and blackout shade and sheer
shade groups

create the perfect lighting environment for every space

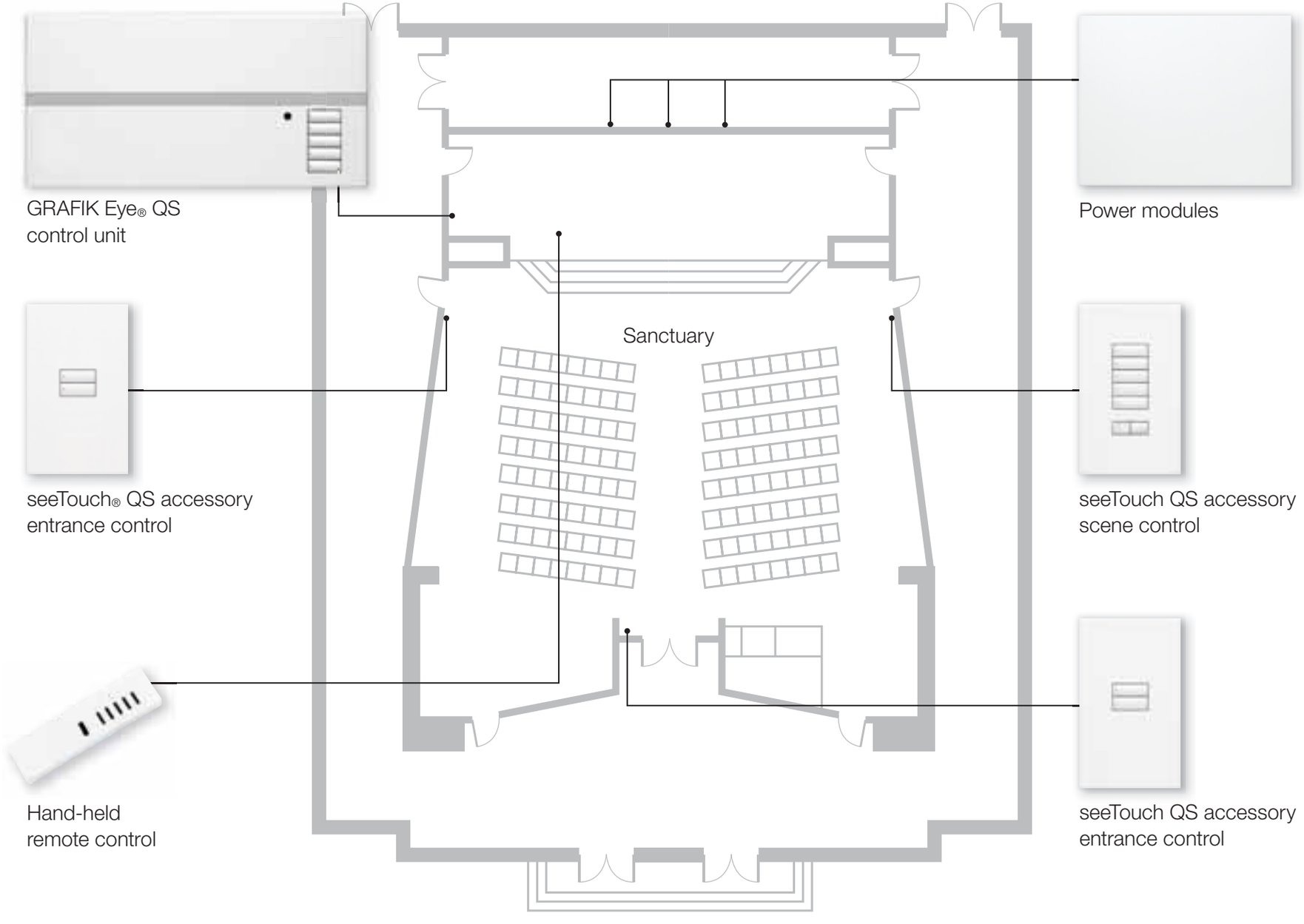
Houses of worship need lighting that can be reverent or bright based on the service or the time of day. Power modules are included to control the added wattage of the chandeliers.

House of worship strategies

preset scene control
Typical preset scenes include morning, special, wedding, evening, and off.

wallstations
Locate controls at each doorway for easy access upon entry or exit.

portable control
Control A/V equipment, the lighting, and the shades from the lectern or podium with a hand-held remote control.


GRAFIK Eye® QS
control unit
Power modules
Sanctuary
seeTouch® QS accessory
entrance control
seeTouch QS accessory
scene control
Hand-held
remote control
seeTouch QS accessory
entrance control

39 colors to coordinate with any décor

Architectural matte 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**

Satin Color™ matte 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**

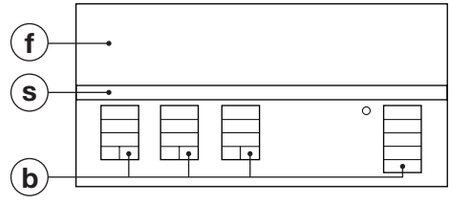
Architectural metal finishes

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**

Anodized aluminum finishes

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

Color option guide

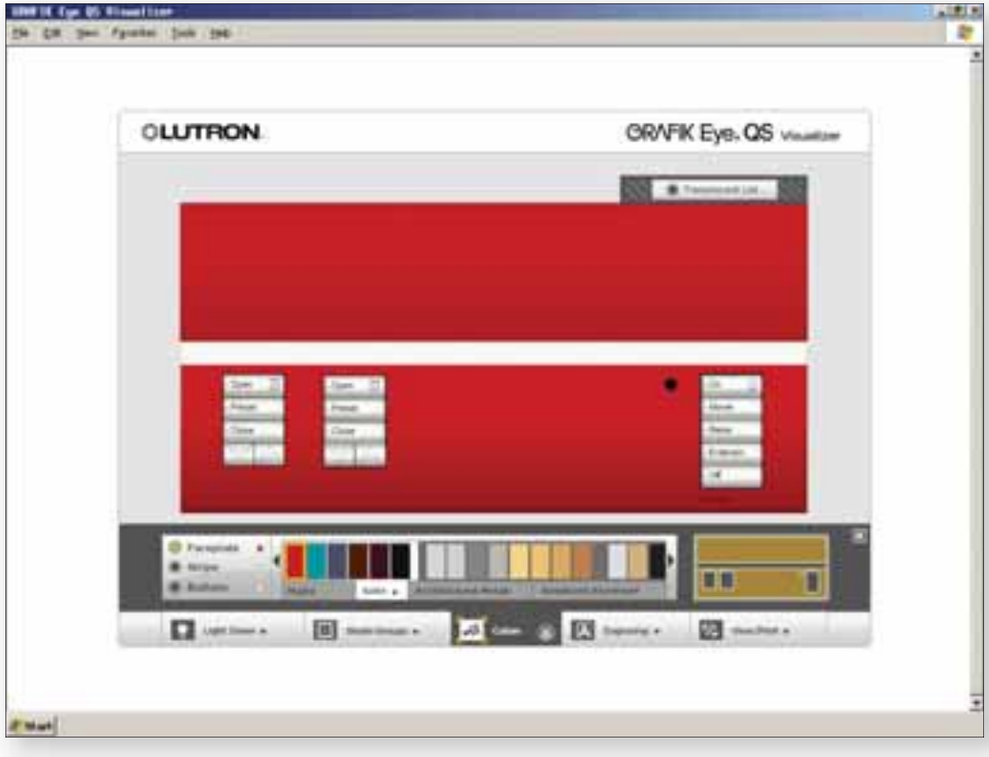


f faceplate color option
s stripe color option
b button color option

f Sea Glass
s Gray
b White

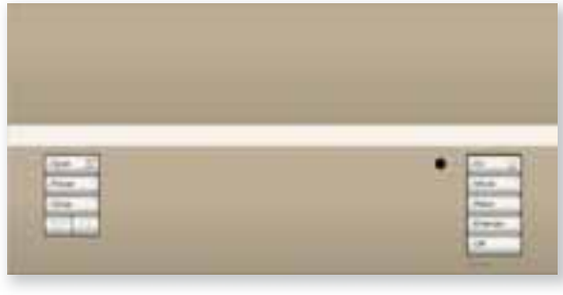
f Satin Nickel
s Black
b Black

f White (Translucent Lid)
s White
b White



Use the GRAFIK Eye® QS Visualizer to design a customized 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**

f Plum
s Black
b Black



f Mocha Stone
s Eggshell
b Eggshell

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 CSI 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 customized training


LUTRON®

LUTRON®

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Special thanks to TEC Inc. Engineering & Design for lighting design services.