



GRAFIK Eye® QS design guide

**Customizable preset light and shade control system
with Lutron Clear Connect RF Technology™**



What is GRAFIK Eye® QS?

GRAFIK Eye QS is a customizable preset lighting control system that allows you to adjust lights and shades for any task or activity. GRAFIK Eye QS helps you save energy, as well as meet the aesthetic, functional, and regulatory needs of any project or space.

What's new?

Lutron's reliable **Clear Connect RF Technology™** provides wireless connectivity to shades, sensors, and keypads. RF capability adds flexibility, saves time and costs during the design and installation process, and provides convenient light control from anywhere in the space.

GRAFIK Eye QS is now available in an EcoSystem® version to **directly control** EcoSystem and Hi-lume® 3D digital addressable ballasts, as well as Hi-lume LED drivers without requiring additional interfaces.



What are the benefits?

Improve comfort and productivity

- Ensure the right visual environment for any activity through simple, preset lighting scenes

Save energy and comply with codes

- Reduce lighting energy usage up to 60% with high-end trim, personal control, integral astronomic time clock, occupancy/vacancy and daylight sensing, and after-hours mode
- Lutron shades can cut cooling and heating costs by up to 10%
- Complies with ANSI/ASHRAE/IESNA Standard 90.1-2007, IECC, and California Title 24 energy codes

Simplify design and integration

- Connect directly to Sivoia® QS wired or wireless shades, occupancy/vacancy and daylight sensors, keypads, and digital ballasts
- Integrate with A/V, HVAC, and other systems

Enhance flexibility and scalability

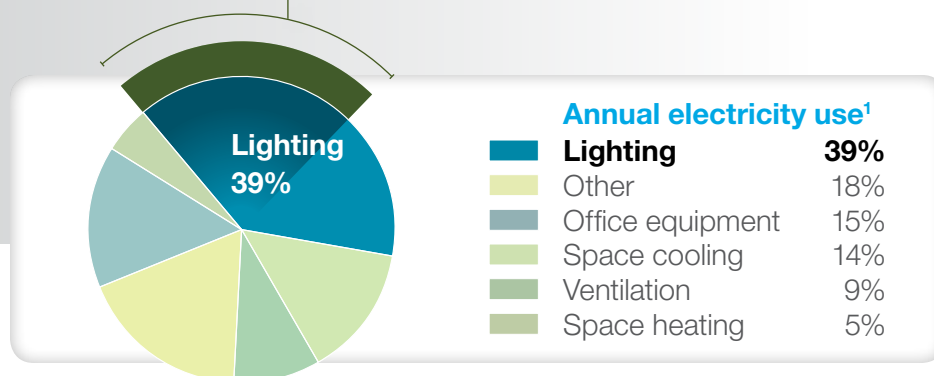
- Reconfigure easily to meet the changing needs of a project or space
- Add components to grow the size and capabilities of the system

Lighting can be your greatest opportunity for energy savings

How does GRAFIK Eye® QS save energy?

Energy-saving strategy	Energy savings
Dimming/high-end trim	20% Lighting
Occupancy/vacancy sensing	15% Lighting
Daylight harvesting	15% Lighting
Personal light control	10% Lighting
Controllable window shades	10% HVAC
Scheduling	15% Lighting
Typical energy savings	60% Lighting, 10% HVAC

Lighting accounts for 39% of the annual electricity used in office buildings. Lutron® solutions can **save 60% or more** of your lighting energy costs.



Benefits of Lutron light management solutions

- **Save electricity and protect the environment**
Reduce greenhouse gases by eliminating unnecessary energy use.
- **Save money**
Lower electricity bills, maintenance costs, and peak demand charges.
- **Increase productivity and comfort**
Research indicates that people can be 5-10% more productive when working in their preferred light level².

1 Energy Information Administration, 2003 Commercial Buildings Energy Consumption Survey, released September 2008.

2 *Determinants of Lighting Quality II* by Newsham, G. and Veitch, J., 1996.

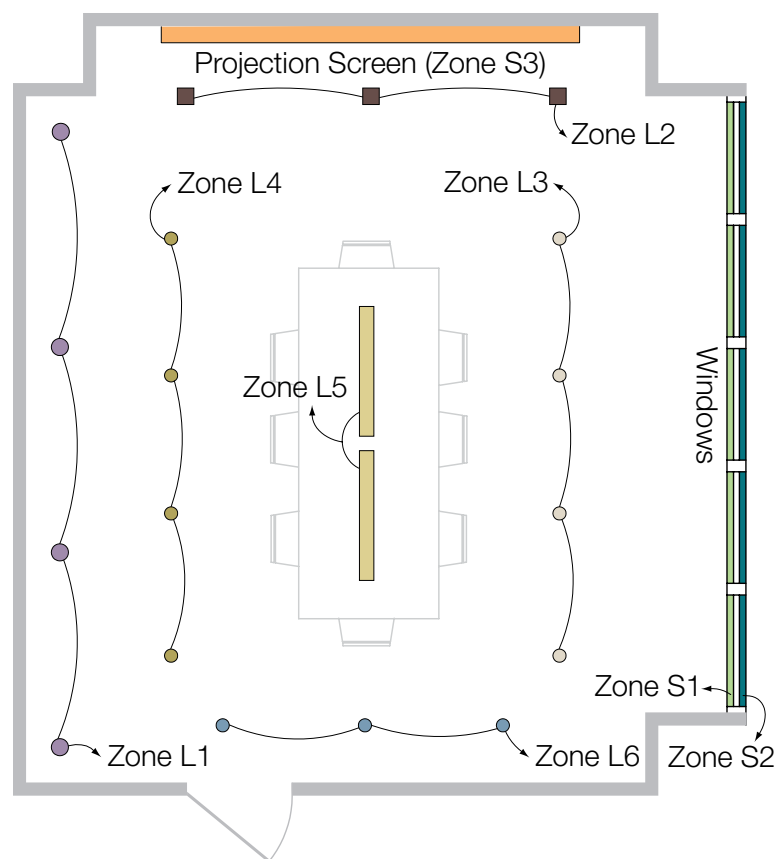
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The basics of preset lighting

Zones

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



Lighting zones

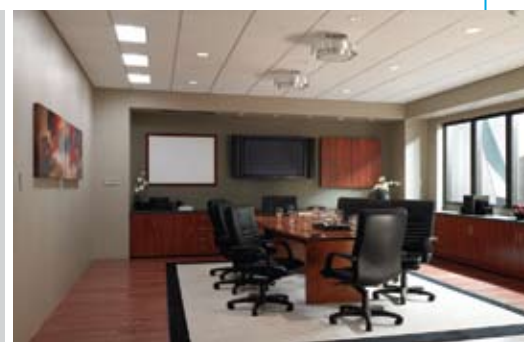
- Zone L6: CFL downlights**
- Zone L5: table pendants**
- Zone L4: left downlights**
- Zone L3: right downlights**
- Zone L2: projection downlights**
- Zone L1: wall wash**

Shading zones

- Zone S1: sheer shades**
- Zone S2: blackout shades**
- Zone S3: projection screen**

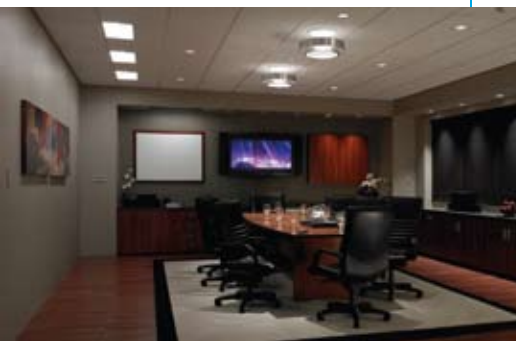
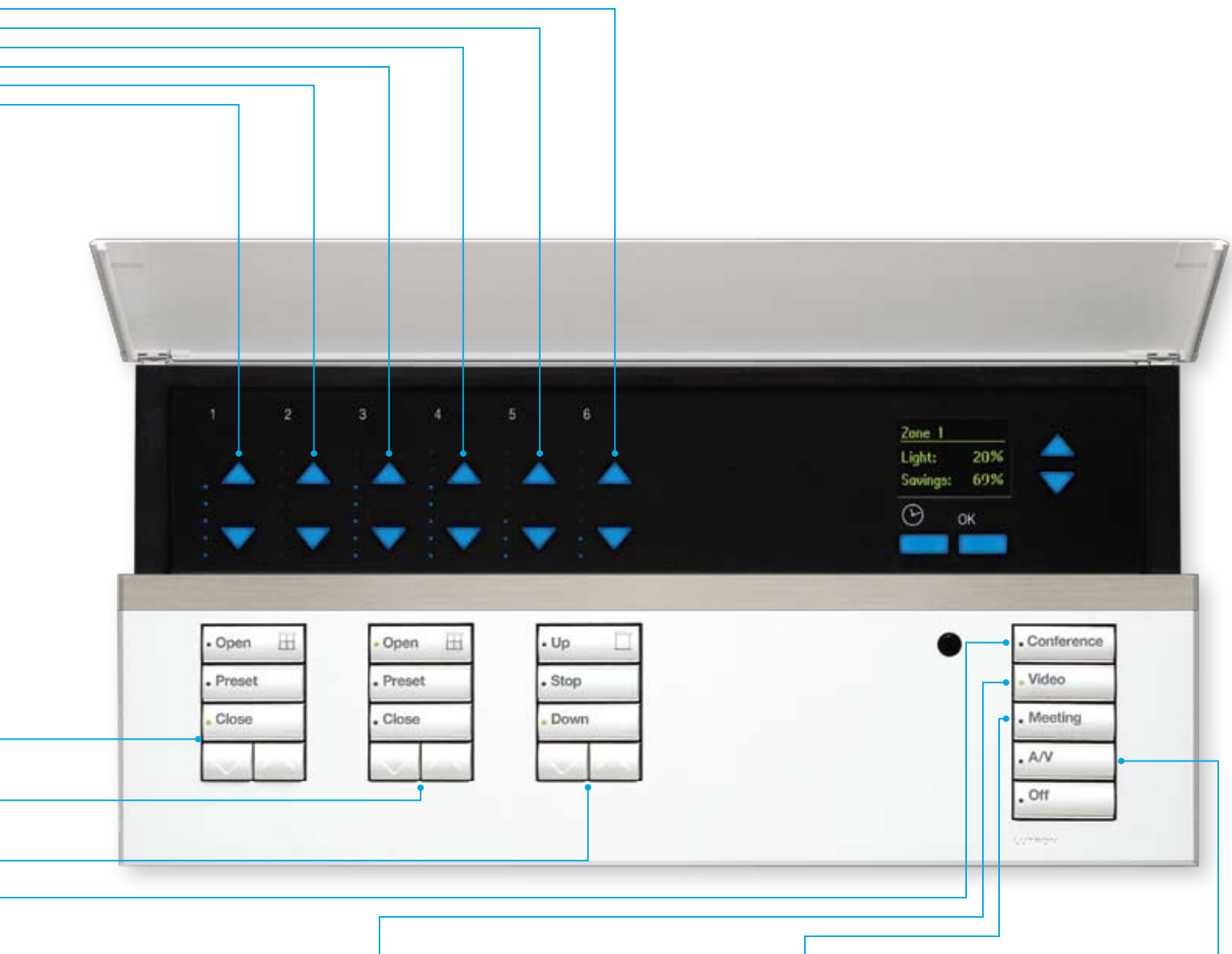
Scenes

A **scene** is created by controlling the light level of any single zone or any grouping of zones to create perfect lighting environment for any task or activity. In this example we use a conference room to explain how scenes are created to support various tasks throughout the day. Recall the setting with a touch of a button.



Scene 1: conference

During a morning conference, open shades to allow daylight in and dim lights to conserve energy.



Scene 2: video training

Blackout shades are lowered to avoid screen glare and lighting levels are lowered to provide enough light for note-taking.



Scene 3: general meeting

The lighting is focused on the conference table and sheer shades are lowered to reduce direct daylight.



Scene 4: A/V presentation

The room is darkened for a late afternoon A/V presentation without sacrificing task lighting on the table.

Model comparison

GRAFIK Eye® QS



Now available with Clear Connect RF Technology™, GRAFIK Eye QS enables reliable communication with Lutron light and shade control products in a space.

- Eliminates the need to run communication wiring to shades, sensors and additional GRAFIK Eye QS units
- Available in 3-, 4-, and 6-zone configurations
- Integral phase control dimmers provide control of incandescent/halogen, magnetic low-voltage, Lutron Tu-Wire® fluorescent dimming ballasts, and non-dimmed lighting loads

GRAFIK Eye QS with EcoSystem®



The GRAFIK Eye QS with EcoSystem combines the flexibility and scalability of the standard model with the additional benefit of an integral EcoSystem bus supply.

- Direct connection to Lutron™ digital fluorescent ballasts and LED drivers
- Available in 6-, 8-, and 16-zone configurations



Key features

Backlit zone buttons

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

Multiple zones

Control up to 16 individual zones.

Information display

Easily read energy savings, lighting levels, and time clock information.

Backlit master override buttons

Temporarily raise and lower light levels of a complete scene.

Control your lights

Backlit engravable buttons for selecting scenes, with or without shades. (changeable in the field)

Control your shades

Backlit engravable shade control buttons. (changeable in the field)

Time clock

Provides scheduling to meet energy code requirements. Includes after-hours mode option.

Infrared remote control

Provides handheld control with a wireless remote.



Wireless connections to:

- Sivoia® QS Wireless shades and drapery tracks
- Radio Powr Savr™ occupancy/vacancy sensors
- Pico™ wireless controls
- Radio Powr Savr™ wireless daylight sensor

Wired connections to:

- Occupancy/vacancy sensors
- QS interfaces
- seeTouch® QS keypads
- Sivoia QS shades

EcoSystem®¹:

- Up to 64 digital addressable ballasts
- Daylight sensors
- Occupancy/vacancy sensors

¹ Features available on GRAFIK Eye® QS Wireless with EcoSystem models only.



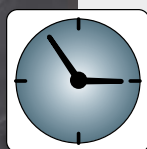
Aesthetics

Available in over 40 colors and finishes. The fully customizable backlit buttons make the unit easy to operate. Scene and shade buttons are large, engravable seeTouch®-style buttons.



Information screen

Displays energy savings, lighting levels, and time clock information. The intuitive display also allows for easy programming.



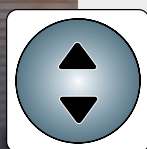
Astronomic time clock

Add up to 25 events per day, 7 days per week.
Add up to 25 holiday schedules. Automatically adjusts for daylight savings time. Includes after-hours capability.



Scene control

Up to 16 scenes, with direct control of scenes 1-4 and Off from the unit. 12 additional scenes are accessible via seeTouch QS keypads. Available scene fade times of 0-59 seconds or 1-60 minutes.



Zone control

Each zone has dedicated raise/lower buttons and can be programmed for high-end and low-end trim. Information screen displays standard or customized zone labels.



Zone configurations

Standard models available with 3, 4, or 6 zones.
EcoSystem® models available with 6, 8, or 16 zones.



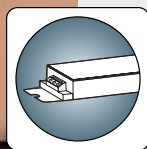
Shade control

Direct control of up to 3 wired or wireless shade groups, cutting heating/cooling costs and reducing glare.



Line-voltage load types¹

Direct control of incandescent, halogen, magnetic low-voltage, Lutron Tu-Wire®, neon and cold cathode or non-dimmed lighting loads.



Digital addressable load types

Direct control of up to 64 EcoSystem, Hi-lume® 3D ballasts, and Hi-lume LED drivers allowing for individual fixture control and ease of re-zoning.





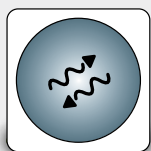
Power rating

2,000 Watt unit capacity, 800 Watt zone capacity .



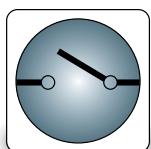
QS link

The QS link is auto-addressing and supports up to 100 QS devices, 100 zones and up to 2000 ft. wire length.



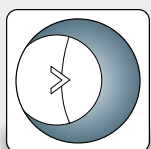
RF capability

Compatible with Sivoia® QS Wireless shades, Radio Powr Savr™ occupancy/vacancy and daylight sensors, Pico™ wireless controls, and additional GRAFIK Eye® QS units. The 434 MHz RF transceiver has a 30ft. range and connects with up to 30 Lutron wireless devices.



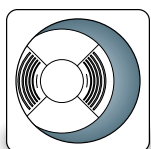
Contact closure input

Dry contact closure input, typically used for direct connection to occupancy/vacancy sensors, can also be utilized to trigger emergency, after-hours mode, or timeclock events.



Daylight harvesting

The Radio Powr Savr wireless daylight sensor can be used to maximize energy savings by dimming electric light in response to available daylight. EcoSystem models can also respond to wired daylight sensors, which connect directly to EcoSystem ballasts.



Occupancy/vacancy sensors

GRAFIK Eye QS provides connection to occupancy/vacancy sensors via wireless communication and/or a contact closure input. EcoSystem models respond to sensors, which connect directly to EcoSystem ballasts.



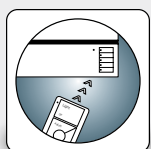
Real-Time Illumination Stability System (RTISS™)

Real-time compensation for incoming line-voltage variations to reduce or eliminate flickering.



Standards and listings

UL, CSA, CEC (Title 24), NOM, FCC, SCT, IC



Personal Control

Allows users in the space to select the correct light level for the desired task through infrared or radio frequency.

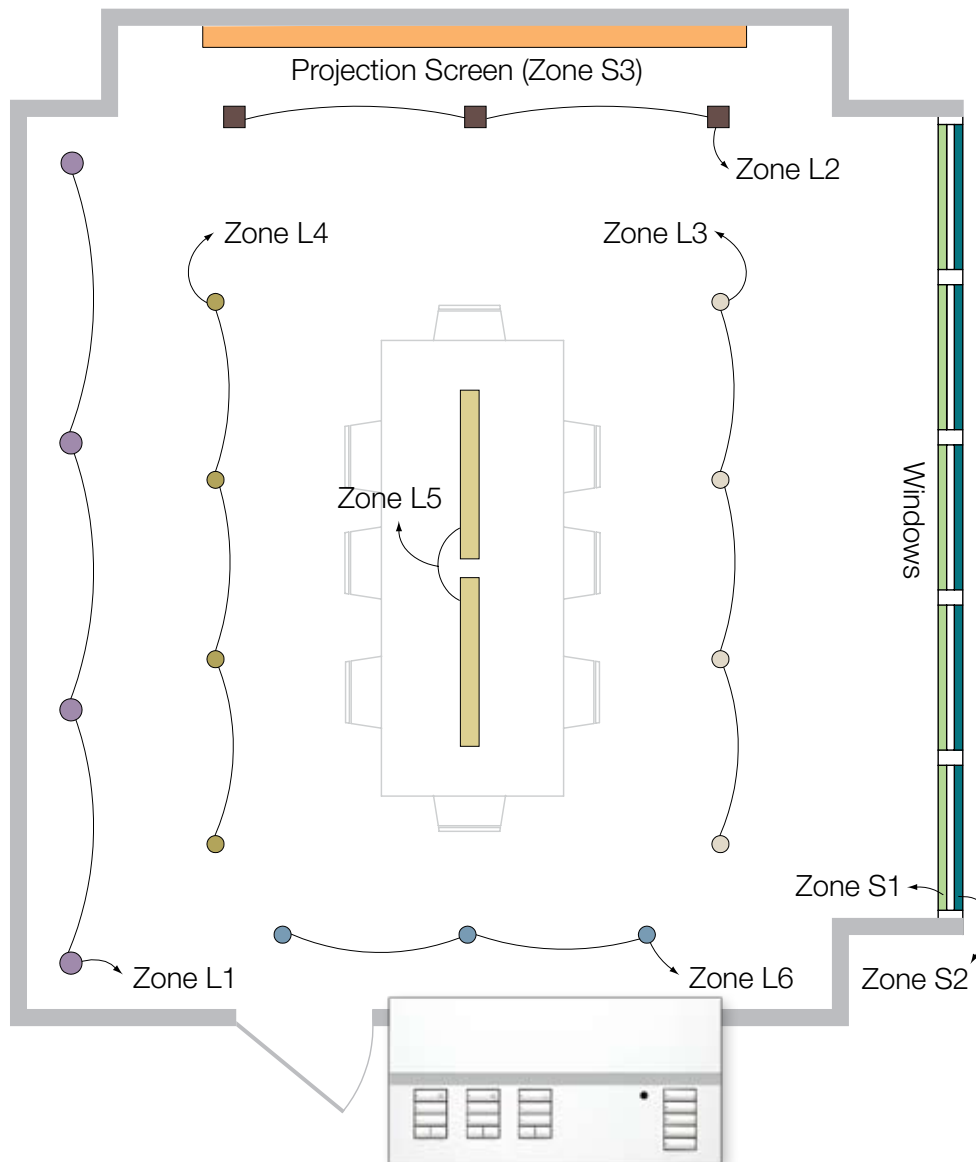


Available models

-  GRAFIK Eye QS
-  GRAFIK Eye QS with EcoSystem

Steps to follow when designing your system

Step 1 selecting a GRAFIK Eye® QS unit



In this example we are using a 6-zone EcoSystem® model with 3 groups of shades.



Use the GRAFIK Eye® QS design guide worksheet to follow along with steps 1-5 when designing your system. Available to download at lutron.com/grafikeyeqs

A. Identify the number of lighting and shading zones in the space

Rules

- GRAFIK Eye QS is available with 3, 4, or 6 zones of lighting control and up to 3 zones of shades
- GRAFIK Eye QS with EcoSystem® is available with 6, 8, or 16 zones of lighting control and up to 3 zones of shades

In this system example:

Conference room

- Zone L1: Wall wash
- Zone L2: Projection downlights
- Zone L3: Right downlights
- Zone L4: Left downlights
- Zone L5: Table pendants
- Zone L6: CFL downlights
- Zone S1: Sheer shades
- Zone S2: Blackout shades
- Zone S3: Projection screen

B. Identify the load types in the space

Rules

- Power modules are required for exceeding zone capacity (800 Watts), and/or control of electronic low-voltage or 0-10V zones, or switching of non-dimmed lighting loads (see pg. 25)
- On an EcoSystem unit, zones 1, 2, and 3 are integral line-voltage dimming zones, which can also be used as EcoSystem zones to control up to 64 ballasts

In this system example:

Phase/digital control zones

- Zone L1: Electronic low-voltage, 4 fixtures, 200W, (power module required)
- Zone L2: Halogen, 3 fixtures, 225W
- Zone L3: Hi-lume™ LED, 4 drivers

Digital control zones

- Zone L4: Hi-lume LED, 4 drivers
- Zone L5: EcoSystem, 2 ballasts
- Zone L6: EcoSystem CFL, 3 ballasts

Shade zones

- Zone S1: Sivoia® QS, 5 sheer shades
- Zone S2: Sivoia QS, 5 blackout shades
- Zone S3: Projection screen

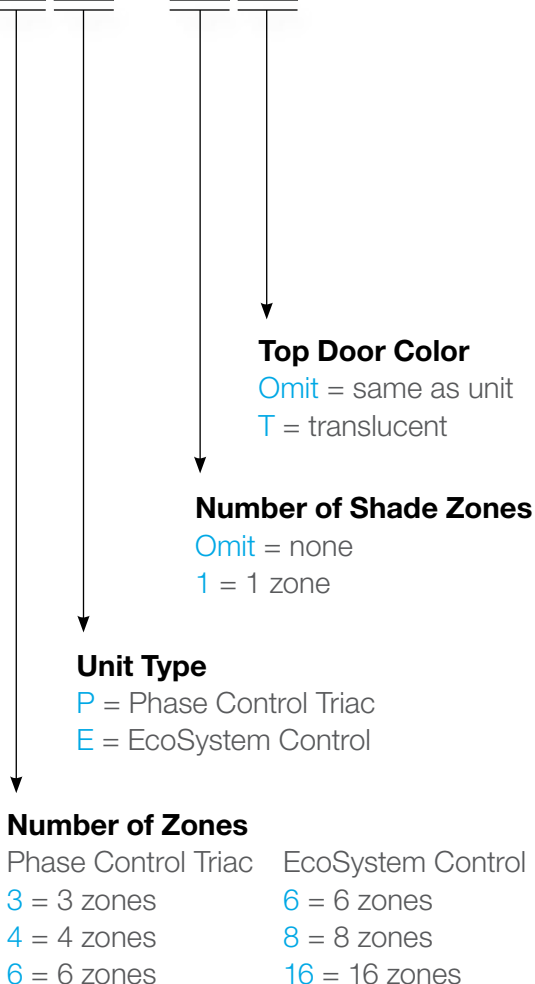
Steps to follow when designing your system

Step 1 selecting a GRAFIK Eye® QS unit*

C. Build a **STANDARD** GRAFIK Eye QS model number

Standard GRAFIK Eye QS models come with a base unit with wireless capability and an unengraved white faceplate with either 0 or 1 shade zone. For all other colors, engraving options, and/or units with more than one shade zone, you must order a non-standard model (see page 11).

QSGRJ-**6****E**-**1****T** WH



Model numbers

Phase Control Triac

QSGRJ-3P-WH
QSGRJ-3P-TWH
QSGRJ-3P-1WH
QSGRJ-3P-1TWH
QSGRJ-4P-WH
QSGRJ-4P-TWH
QSGRJ-4P-1WH
QSGRJ-4P-1TWH
QSGRJ-6P-WH
QSGRJ-6P-TWH
QSGRJ-6P-1WH
QSGRJ-6P-1TWH

EcoSystem® Control

QSGRJ-6E-WH
QSGRJ-6E-TWH
QSGRJ-6E-1WH
QSGRJ-6E-1TWH
QSGRJ-8E-WH
QSGRJ-8E-TWH
QSGRJ-8E-1WH
QSGRJ-8E-1TWH
QSGRJ-16E-WH
QSGRJ-16E-TWH
QSGRJ-16E-1WH
QSGRJ-16E-1TWH

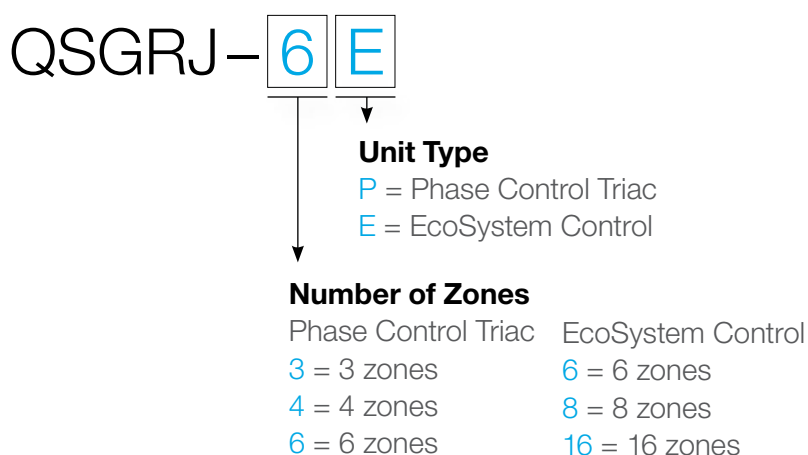
* Wired (non-RF) units available upon request. Please contact Lutron directly for further details.

C. Build a **NON-STANDARD** GRAFIK Eye® QS model number

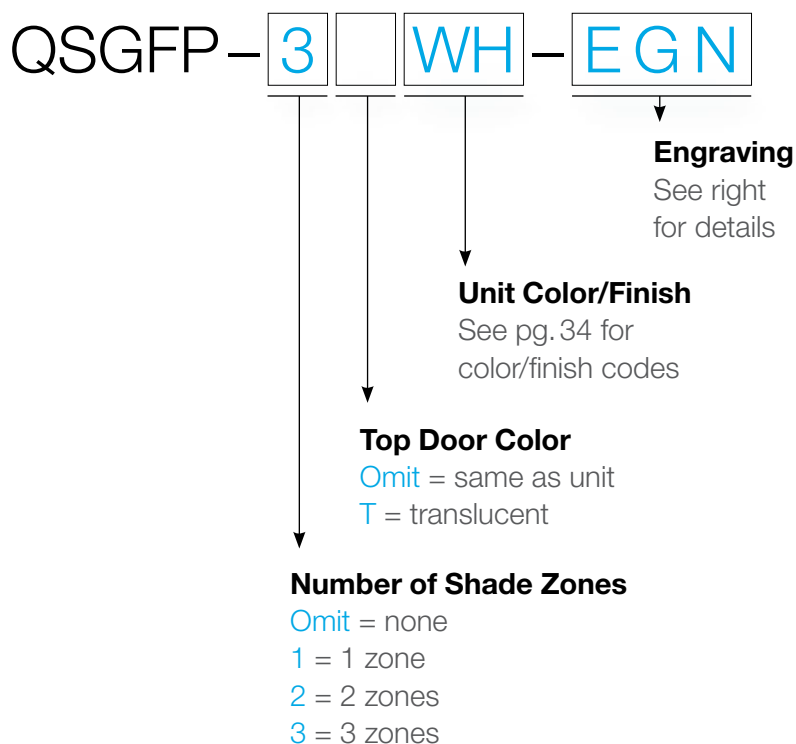
Rules

For any non-standard units, you must order **BOTH** a base unit and a faceplate kit.

Base unit



Faceplate kit (includes coordinating stripe and buttons)



Engraving codes

Omit = unengraved
 (ships with engraving certificate that customer can redeem for engraved replacement buttons at no charge)

EGN = general engraving

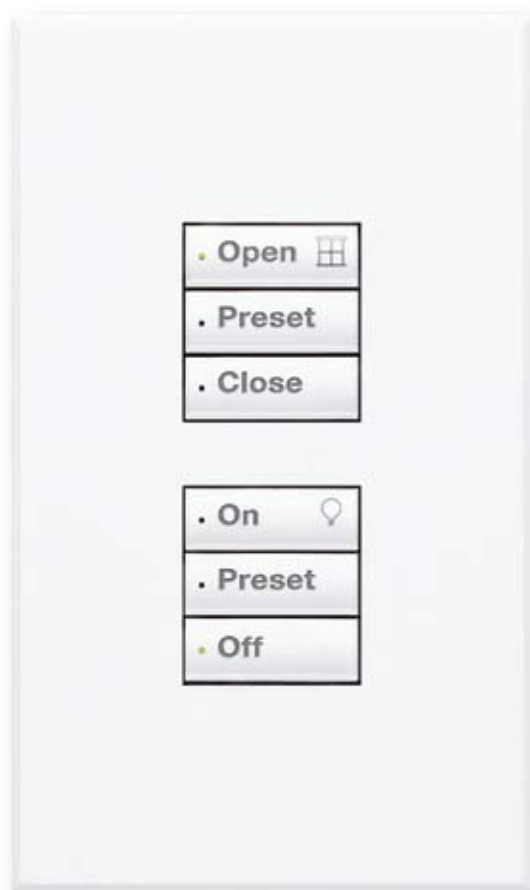
• 1 	• 1 
• 2	• 2
• 3	• 3
• 4	• 4
• Off	• Off
shade column	lighting column

NST = non-standard text engraving. Please visit www.lutron.com/grafikeyeqs for custom engraving forms. Submit completed form with order, and faceplate kit will ship engraved as specified by customer.

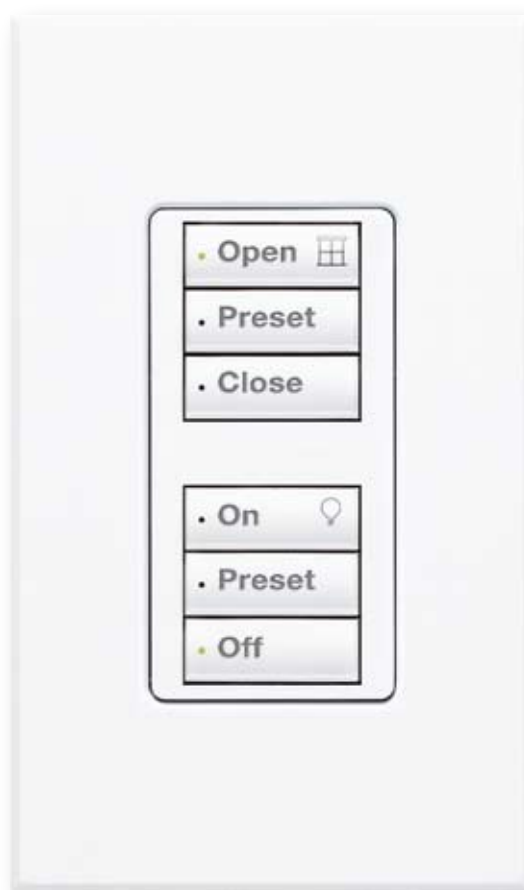
Steps to follow when designing your system

Step 2 selecting seeTouch® QS keypads

A. Select keypad style and button configurations



Non-insert style



Insert style

seeTouch QS keypads

- 14 models available with 1- to 7-scene preset, zone, partition, or shade control buttons
- Available with or without raise/lower buttons and an IR sensor
- Control shades, lights, or a combination of both
- Each keypad includes two built-in contact closures

Rules

The GRAFIK Eye QS can power up to 3 keypads.

For additional keypads, a QS link power supply is required. (see pg. 25)



1B
1-button



2B
2-button



3B
3-button



5B
5-button



7B
7-button



2BRL
2-button with
raise/lower



3BRL
3-button with
raise/lower



5BRL
5-button with
raise/lower



2BRLIR
2-button with
IR receiver and
raise/lower



3BRLIR
3-button with
IR receiver and
raise/lower



5BRLIR
5-button with
IR receiver and
raise/lower



1RLD
Dual with 3-button
and 2-button with
raise/lower



2RLD
Dual 2-button
with raise/lower

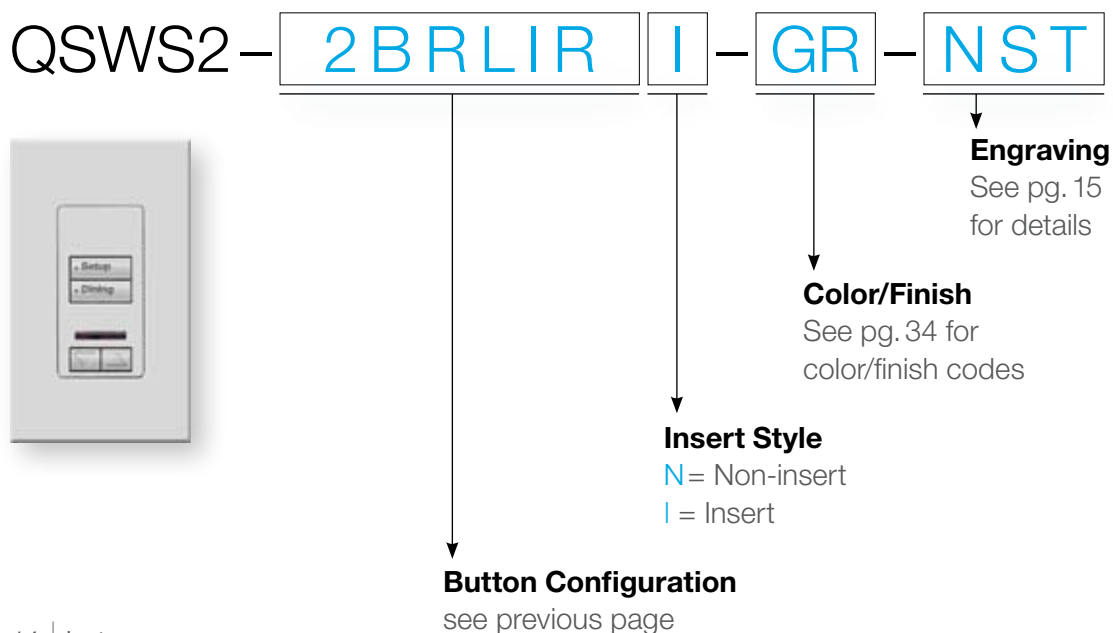
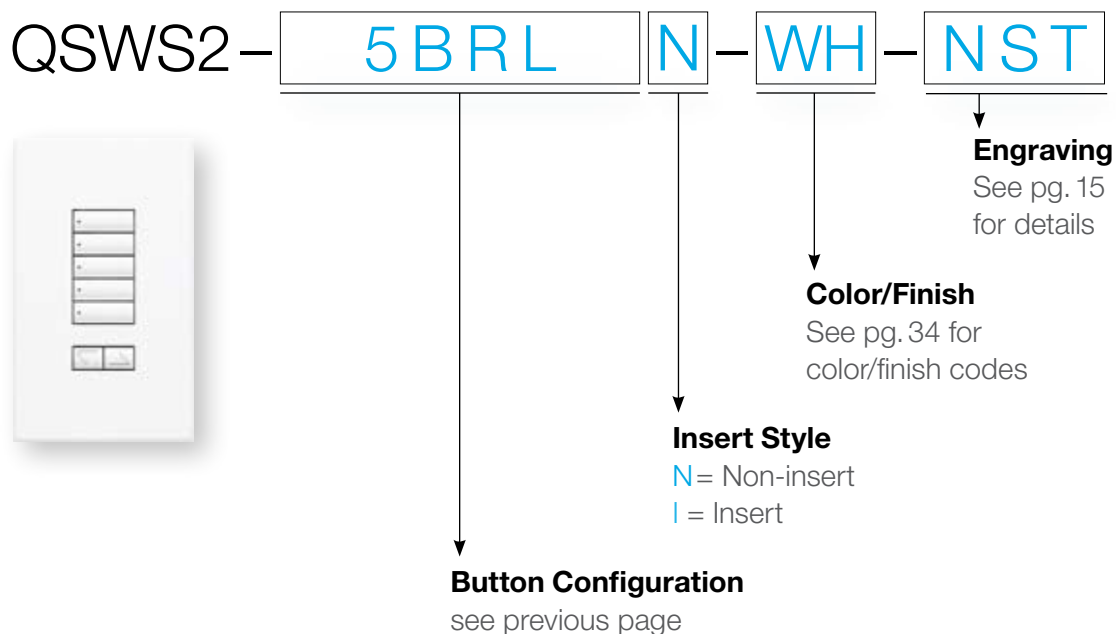


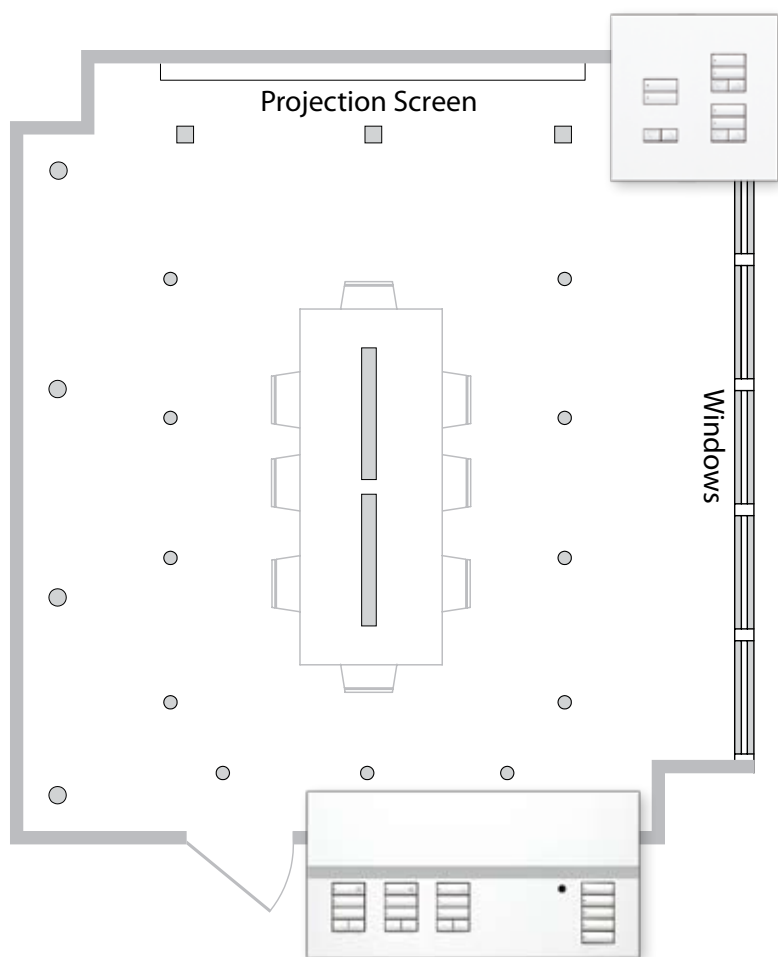
3BD
Dual 3-button

Steps to follow when designing your system

Step 2 selecting seeTouch® QS keypads

B. Build a seeTouch QS keypad model number





Engraving codes

Omit = unengraved (ships with engraving certificate that customer can redeem for engraved replacement buttons at no charge)

EGN = general engraving

NST = non-standard text engraving. Please visit www.lutron.com/grafikeyeqs for custom engraving forms. Submit completed form with order, and unit will ship engraved as specified by customer.

Steps to follow when designing your system

Step 3 selecting shading components

A. Select power components for Sivoia® QS **WIRED** system

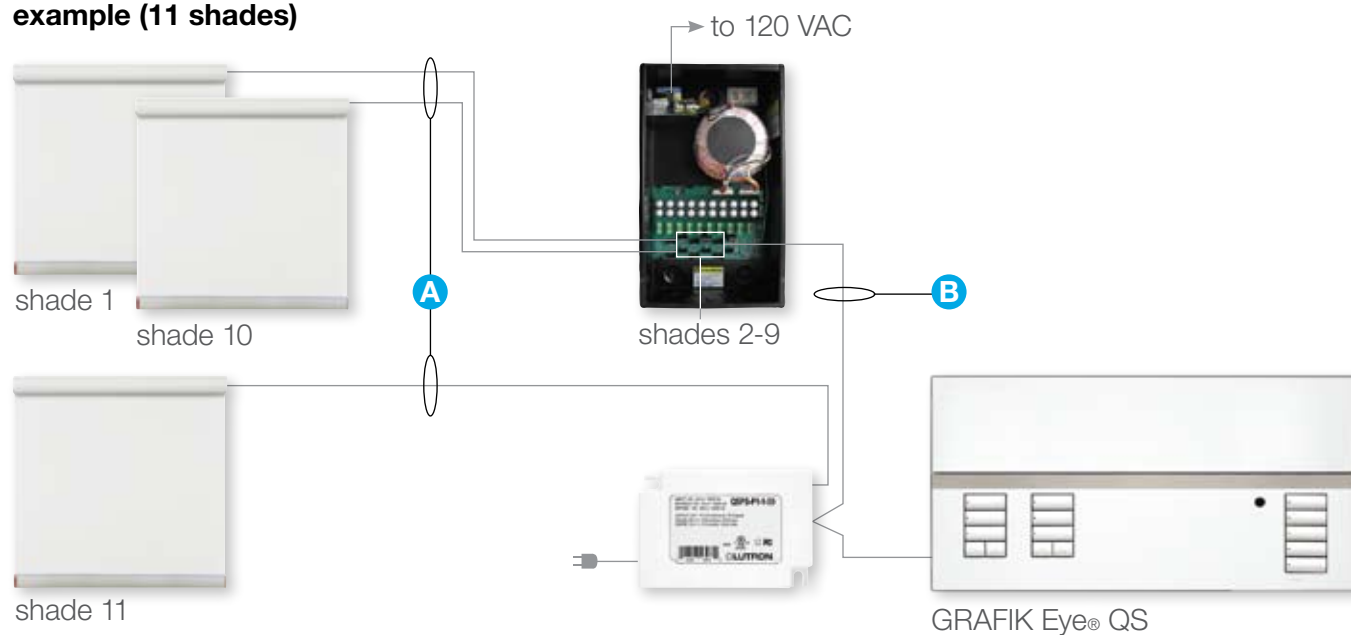


Sivoia QS smart panel power supply
(powers up to 10 wired shades/drapes)
QSPS-P1-10-60



QS link power supply
(powers 1 wired shade/drape)
QSPS-P1-1-50

Powering shades on a WIRED system example (11 shades)



Shade zones are programmed through the GRAFIK Eye QS without the need for rewiring.

- A** Power and communications (4-conductor)
- B** Communications (3-conductor)

A. Select power components for Sivoia® QS **WIRELESS** system

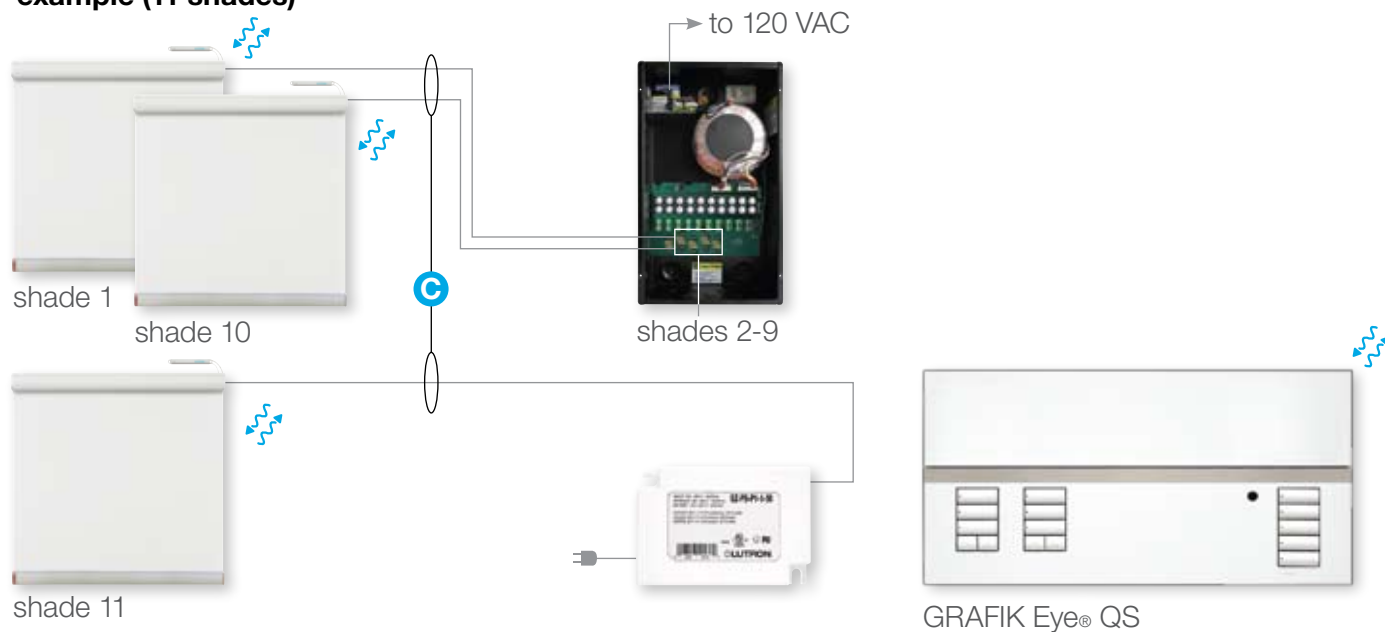


Sivoia QS wireless panel power supply
(powers up to 10 wireless shades/drapes)
[QSPSY-P1-10-60](#)



QS link wireless power supply
(powers 1 wireless shade/drape)
[SZ-PS-P1-1-50](#)

Powering shades on a **WIRELESS** system example (11 shades)



Shade zones are programmed through wireless communication with the GRAFIK Eye QS.

C Power (2-conductor)

Steps to follow when designing your system

Step 3 selecting shading components

B. Select appropriate window treatments

Roller shade

Sivoia® QS roller shades are the ideal solution for ultra-quiet precision control of daylight. Shades start, move, and stop in unison, maintaining perfect alignment with each other (within .125 in. [3.17mm]).

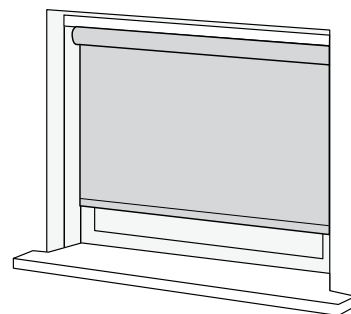
Select from the following fabric categories for your application:

Sheer: Block glare and heat gain while preserving the view.

Dim-out: Let light in while limiting the view to shapes and shadows.

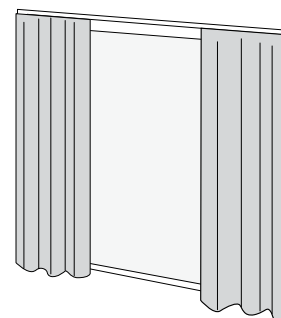
Blackout: Block all light from passing through the material.

Combine with side channels and sill angle for complete light seal.



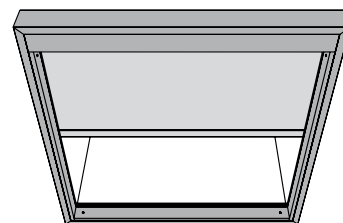
Drapery track

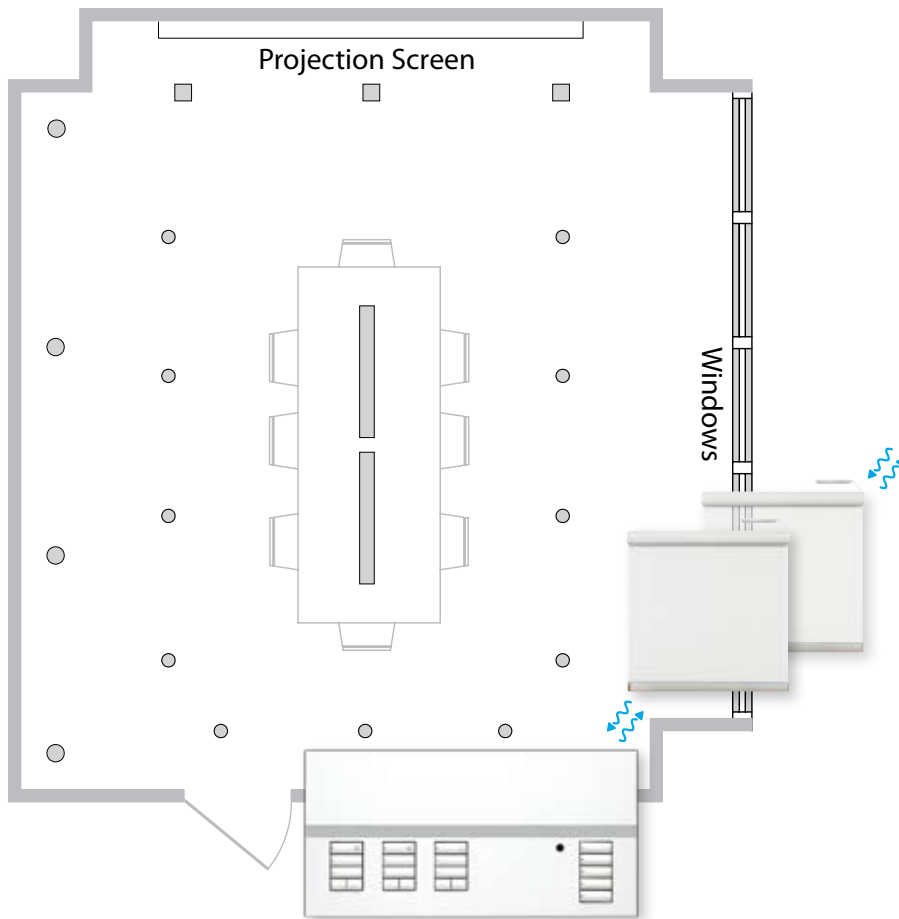
Sivoia QS drapery track systems are the perfect solution for controlling customer-supplied drapes that respond to the touch of a button. Operate pinch pleat or ripplefold drapes for quiet, elegant control of daylight.



Skylight shade

Reliably control daylight through skylights to enhance the visual environment and save energy by reducing solar heat gain.





To create a complete bill of materials and obtain quotes, please refer to the shade configuration tool (SCT) or contact customer service at 1.800.446.1503 or at shadinginfo@lutron.com.

www.lutron.com/shadingsolutions



Steps to follow when designing your system

Step 4 selecting energy-saving devices

A. Select appropriate occupancy/vacancy sensors



Wired Occupancy/vacancy sensors^{1,2}

- Self-adaptive technology updates time and sensitivity settings to ensure that the sensors have the greatest accuracy

Wall mount¹

LOS-WDT-WH	Dual tech, 1600 sq. ft.
LOS-WDT-R-WH	Dual tech, 1600 sq. ft., with dry contact relay
LOS-WIR-WH	Infrared, 1600 sq. ft.

Ceiling mount¹

LOS-CDT-500-WH	Dual tech, 500 sq. ft.
LOS-CDT-500R-WH	Dual tech, 500 sq. ft. with dry contact relay
LOS-CDT-1000-WH	Dual tech, 1000 sq. ft.
LOS-CDT-1000R-WH	Dual tech, 1000 sq. ft., with dry contact relay
LOS-CDT-2000-WH	Dual tech, 2000 sq. ft.
LOS-CDT-2000R-WH	Dual tech, 2000 sq. ft., with dry contact relay
LOS-CUS-500-WH	Ultrasonic, 500 sq. ft.,
LOS-CUS-1000-WH	Ultrasonic, 1000 sq. ft.,
LOS-CUS-2000-WH	Ultrasonic, 2000 sq. ft.,
LOS-CIR-450-WH	Infrared, 450 sq. ft.,
LOS-CIR-1500-WH	Infrared, 1500 sq. ft.,



NEW Radio Powr Savr™

wireless occupancy/vacancy sensor

- Installs in minutes—requires no wiring
- Front accessible setup buttons
- Cutting-edge, Lutron XCT™ sensing technology
- 10-year battery life

LRF2-OCRB-P-WH	Occupancy/ vacancy sensor
LRF2-VCRB-P-WH	Vacancy sensor

¹ All LOS series sensors are active high, 20-24 VDC, white

² Use sensors with dry contact relay if connecting wired sensor to contact closure input on back of seeTouch® QS keypad

B. Select daylight sensors



Wired daylight sensor (EcoSystem® models only)

- Gradually dims lights in response to the amount of available daylight

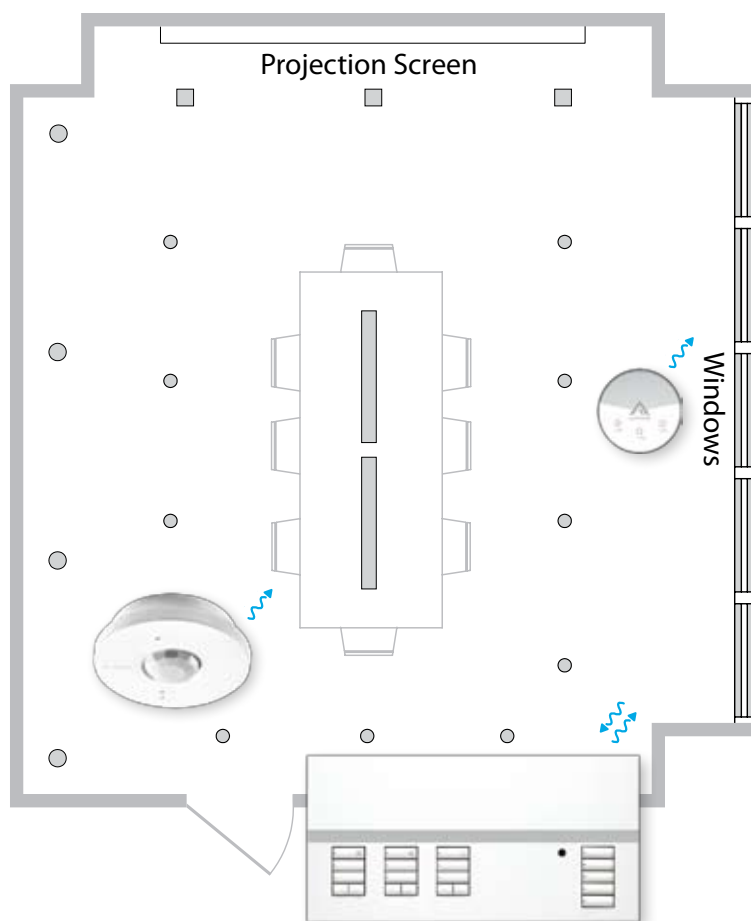
[C-SR-M1-WH](#)



NEW Radio Powr Savr™ wireless daylight sensor

- Gradually dims lights in response to the amount of available daylight
- Front accessible setup buttons
- 10-year battery life

[LRF2-DCRB-WH](#)



Steps to follow when designing your system

Step 5 selecting integration devices

A. Determine the type of integration needed



QS RS-232/Ethernet interface

- Provides integration with third-party touch screens, A/V equipment, HVAC, building management systems and other digital equipment
- Supports RS-232 serial communication or communications via Ethernet

[QSE-CI-NWK-E](#)



QS input/output device

- Provides integration with third-party equipment requiring contact closure input/output including projection screens, security systems, movable walls, time clocks and others
- Five inputs and five dry contact closure outputs

[QSE-IO](#)



QS DMX output interface

- Provides integration with third-party theatrical equipment including light machines, strobes, fog machines, animated characters, motorized fixtures and others
- Allows for control of DMX and RGB/CMY fixtures from zones on the GRAFIK Eye® QS

[QSE-CI-DMX](#)



A/V mounting rack and wall-mount

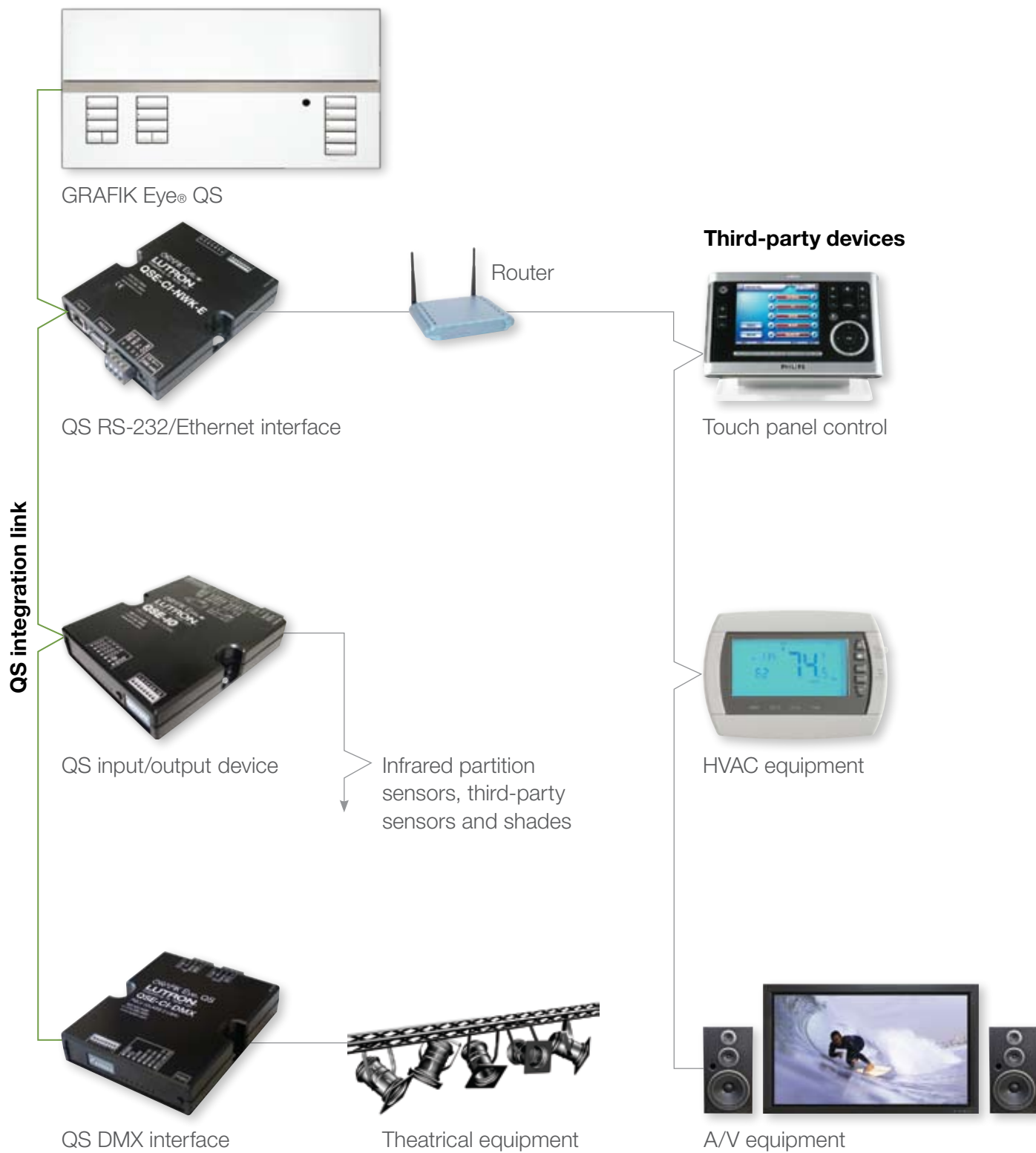
- For use with QSE-CI-NWK-E, QSE-IO, and QSE-CI-DMX

[LUT-19AV-1U](#)

A/V Mounting rack

[LUT-5X10-ENC](#)

Wall-mount enclosure



Steps to follow when designing your system

Additional components



NEW Pico™ wireless controls

- No wires—take control of lights and shades from anywhere
- Can function as a stylish tabletop control on a pedestal, a lightweight handheld remote, or can be mounted within a Lutron Claro® faceplate to mimic a traditional keypad
- Available in a variety of colors

QSR4P-3R-XX-EXX 3-button w/ raise/lower and favorite button (system with main repeater)

MRF2-3BRL-L-XX 3-button w/ raise/lower and favorite button (lights only)

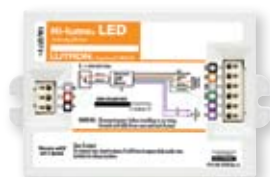
MRF2-3B-L-XX 3-button (lights only)

MRF2-2B-L-XX **Coming soon!**
2-button (lights only)



Hi-lume® 3D ballasts

- Digital addressable
- Universal voltage
- Architectural dimming to 1%
- Models available for T8 and T5 lamps



Hi-lume® LED driver

- Digital addressable
- Universal voltage
- Architectural dimming to 1%
- Service-free lifetime of at least 50,000 hours



EcoSystem® ballasts

- Digital addressable
- Universal voltage
- Dimming to 10%
- Models available for CFL, T8, T5, T5HO, and T5 twin-tube lamps

For a complete listing of ballast and driver model numbers, please visit www.lutron.com/ballasts or reference the Fluorescent Dimming Systems Selection Guide (P/N 366-002).



QS link power supply

(powers 1 wired shade/drape)

- Provides power to QS shades, keypads, and accessories
- Plugs in to a standard receptacle
- Universal input voltage

[QSPS-P1-1-50](#)



Infrared partition sensors

- Allow the lighting control to automatically track how the walls of a flexible space change
- Requires a GRX-12VDC power supply and a QSE-IO, ordered separately

[GRX-IRPS-WH](#)



Power modules

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

[PHPM-PA-DV-WH](#) 120/277 V phase control input, phase-adaptive output power module

[PHPM-PA-120-WH](#) 120V phase control input, phase-adaptive output power module

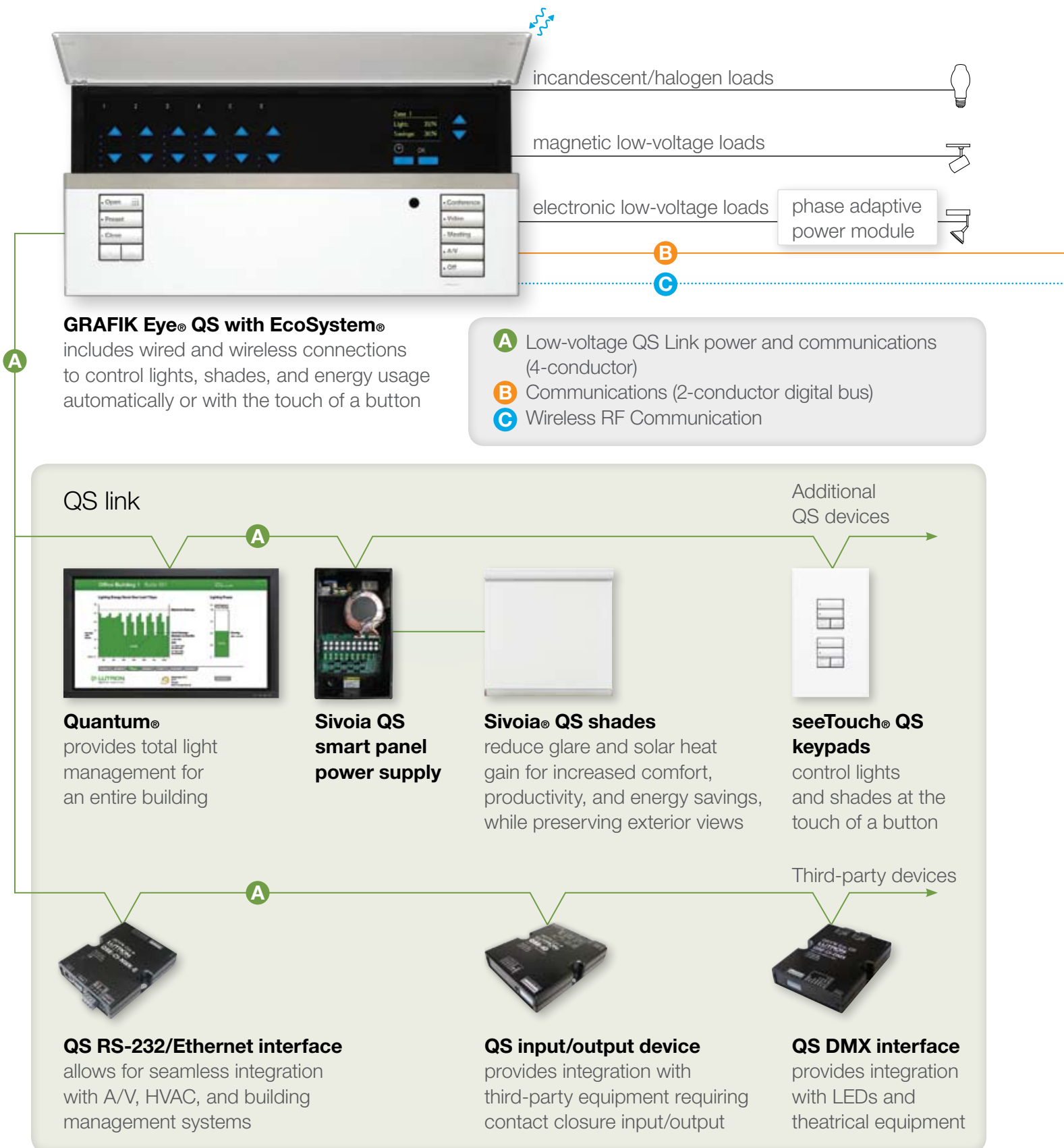
[PHPM-3F-DV-WH](#) 120/277 V phase control input, 3-wire fluorescent output power module

[PHPM-3F-120-WH](#) 120V phase control input, 3-wire fluorescent output power module

[PHPM-SW-DV-WH](#) 120/277 V phase control input, switched output power module

[GRX-TVI](#) 0-10V interface

Key components system diagram



EcoSystem®



Hi-lume® 3D digital addressable ballasts

work individually or as part of a group to manage electric light—architectural dimming to 1%



EcoSystem digital addressable ballasts

work individually or as part of a group to manage daylight and electric light—dims linear to 10% and CFL to 5%



Wired occupancy/vacancy sensor



Wired daylight sensor

Up to 64 digital addressable ballasts or drivers



Hi-lume digital addressable LED drivers

provide high-performance dimming of energy-efficient LEDs—architectural dimming to 1%

Wireless RF communication



NEW Radio Powr Savr™ wireless occupancy/vacancy sensor

automatically turns lights on/off or dims based on room occupancy/vacancy



NEW Radio Powr Savr wireless daylight sensor

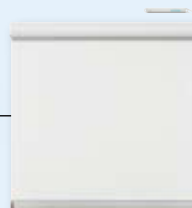


NEW Pico™ wireless control

handheld, tabletop, or wall-mount versions available to control lights and shades from anywhere in the space



Sivoia QS wireless panel power supply



Sivoia® QS wireless shades

reduce glare and solar heat gain for increased comfort, productivity, and energy savings, while preserving exterior views

Typical application: **conference room**



NEW Radio Powr Savr™ wireless daylight sensor

adjusts electric light levels in response to the amount of available daylight



NEW Sivoia® QS wireless shades

quietly move precision-controlled shades at the touch of a button to reduce sun glare and solar heat gain



NEW Radio Powr Savr™ wireless occupancy/vacancy sensor

retrofits easily and ensures energy savings by turning on lights only when you need them



EcoSystem®/Hi-lume® 3D digital addressable ballasts

save energy and increase productivity by managing daylight and electric light with digital addressable ballasts



seeTouch® QS keypad

adjusts lights and shades to achieve the optimal light level for any task—all at the touch of a button



NEW Pico™ wireless control

functions as a stylish tabletop control, a lightweight handheld remote, or can be wall-mounted within a Claro® faceplate to mimic a traditional keypad





QS RS-232/Ethernet interface

integrates with building management systems so you can easily control lights, shades, video and temperature from one device



GRAFIK Eye® QS with EcoSystem®

includes wired and wireless connections to control lights, shades, and energy usage automatically or with the touch of a button

Typical application: **classroom**



NEW Radio Powr Savr™ wireless daylight sensor

adjusts electric light levels in response to the amount of available daylight



Sivoia® QS shades

quietly move precision-controlled shades at the touch of a button to reduce sun glare and solar heat gain



EcoSystem®/Hi-lume® 3D digital addressable ballasts

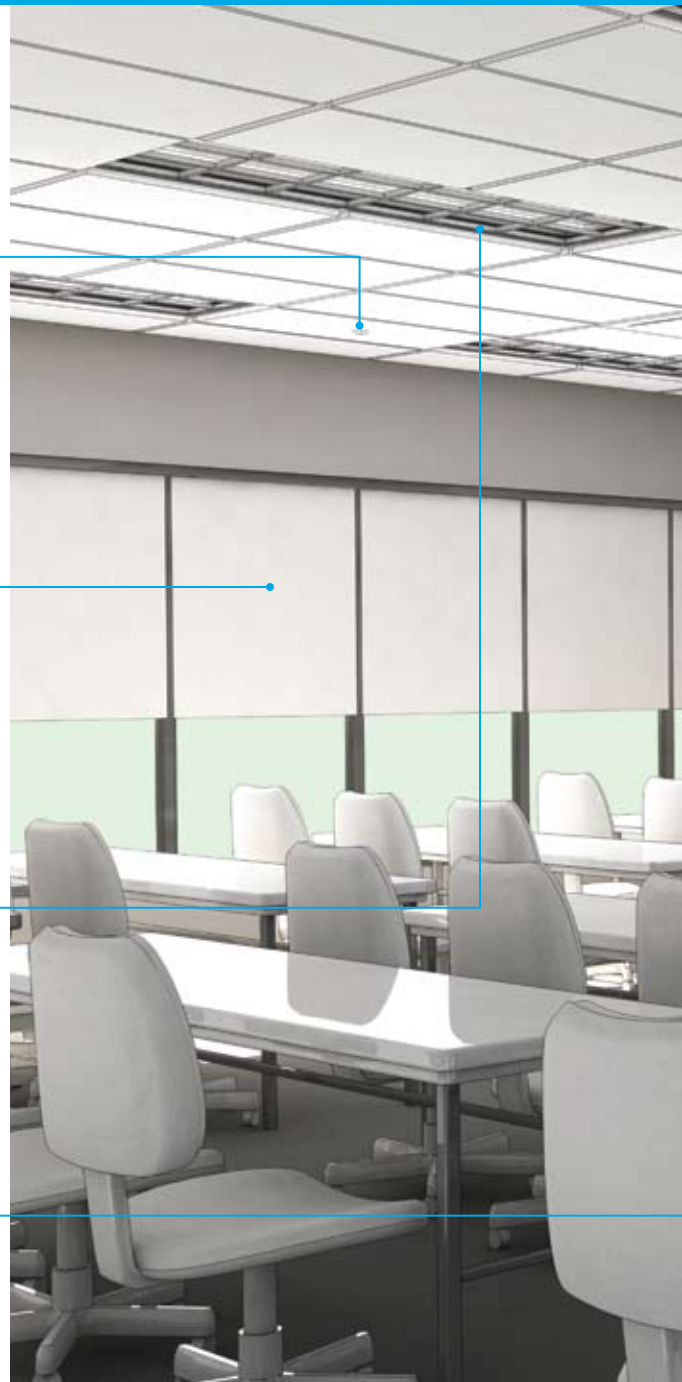
save energy and increase productivity by managing daylight and electric light with digital addressable ballasts

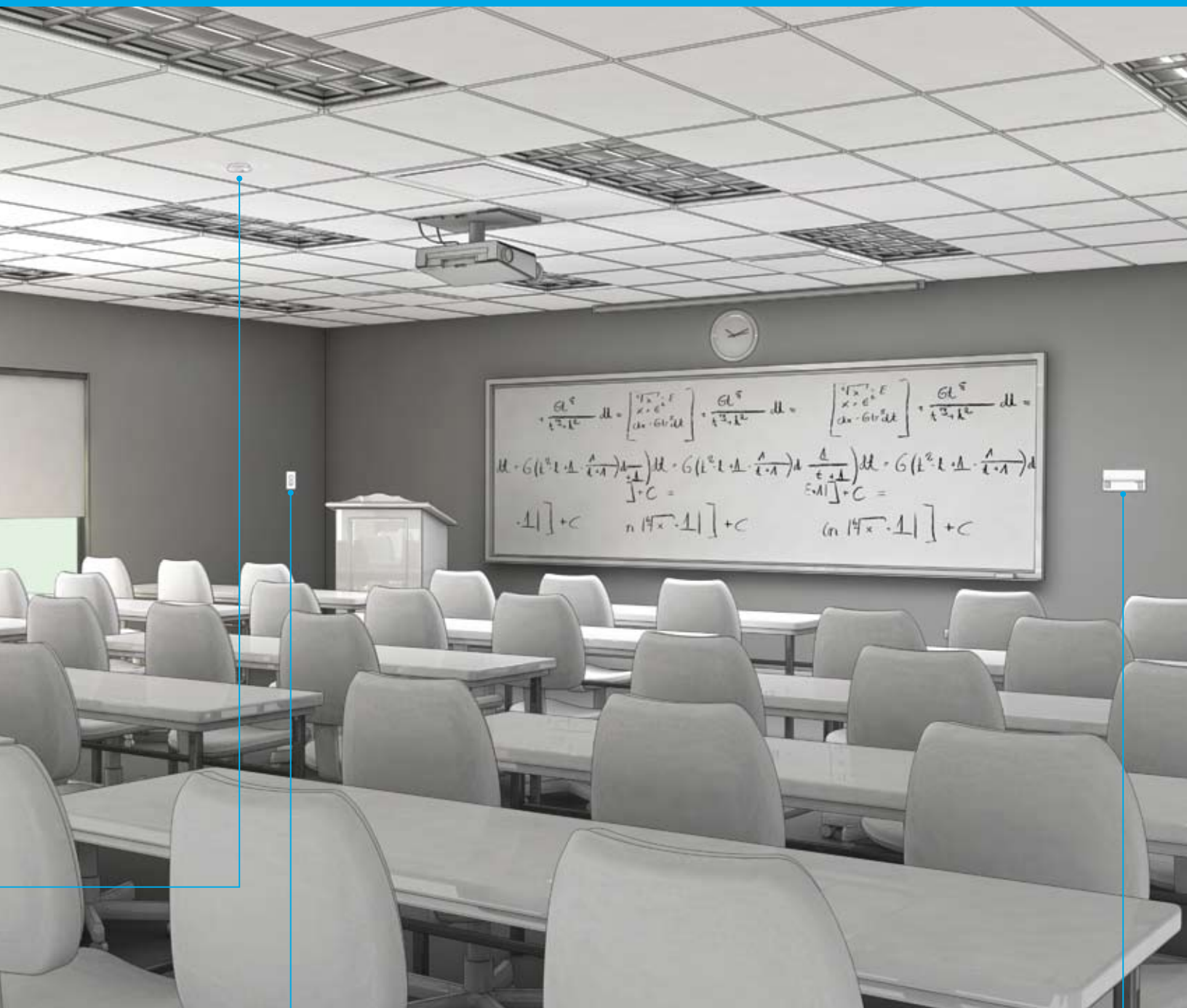


NEW Radio Powr Savr™

wireless occupancy/vacancy sensor

retrofits easily and ensures energy savings by turning on lights only when you need them





NEW Pico™ wireless control

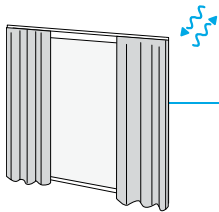
functions as a stylish tabletop control, a lightweight handheld remote, or can be wall-mounted within a Claro® faceplate to mimic a traditional keypad



GRAFIK Eye® QS with EcoSystem®

includes wired and wireless connections to control lights, shades, and energy usage automatically or with the touch of a button

Typical application: **home theater**



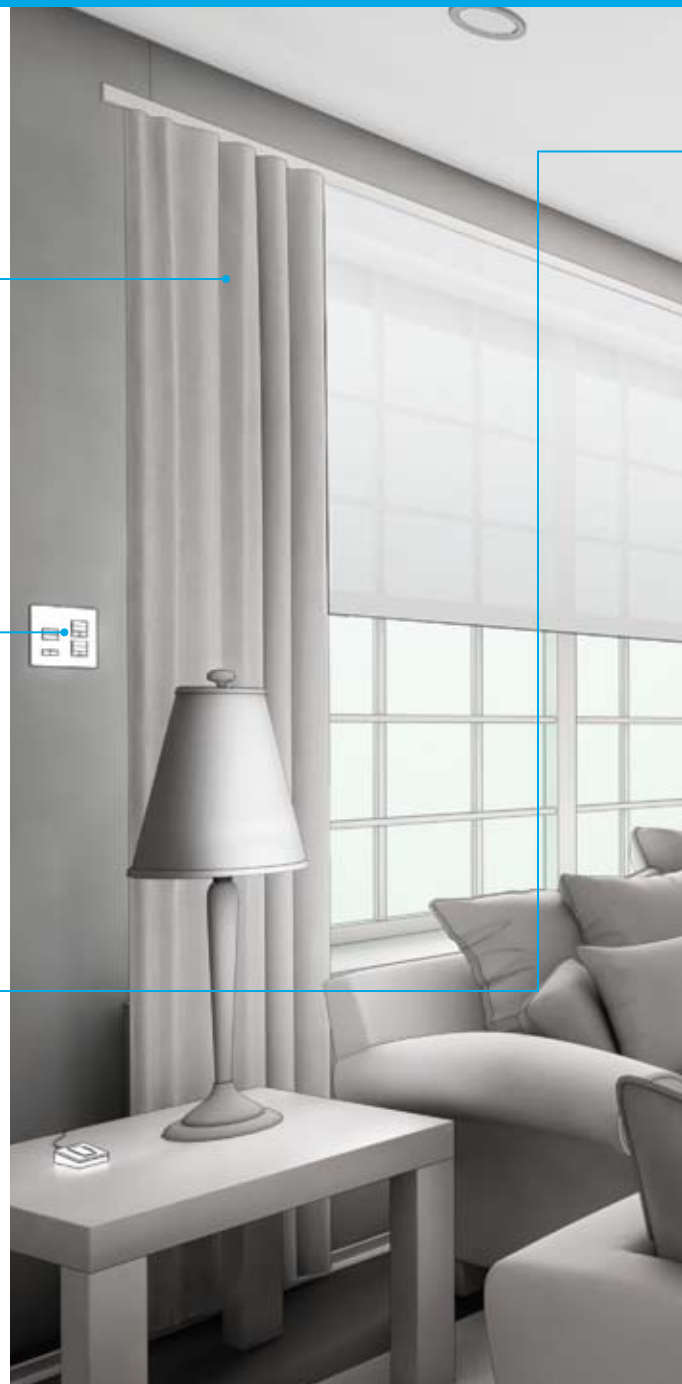
Sivoia® QS wireless roller shades and drapery tracks
quietly move precision-control shades and drapes at the touch of a button to reduce sun glare and solar heat gain



seeTouch® QS keypad
adjusts lights and shades to achieve the optimal light level for any task—all at the touch of a button



NEW Radio Powr Savr™
wireless occupancy/vacancy sensor
retrofits easily and ensures energy savings by turning on lights only when you need them



QS RS-232/Ethernet interface
integrates with A/V equipment so you can easily control lights, shades, and video from one device



NEW Pico™ wireless control

functions as a stylish tabletop control, a lightweight handheld remote, or can be wall-mounted within a Claro® faceplate to mimic a traditional keypad

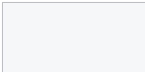
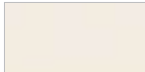
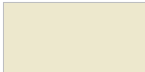
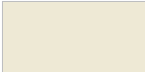


GRAFIK Eye® QS

includes wired and wireless connections to control lights, shades, and energy usage automatically or with the touch of a button

Available 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

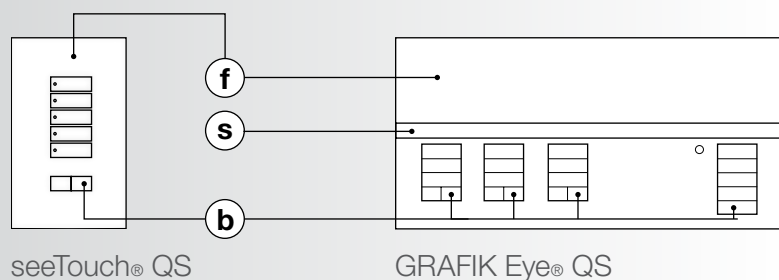
Anodized aluminium finishes

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

Architectural metal finishes

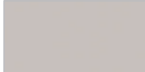
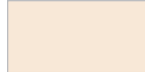
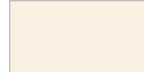
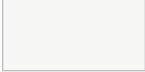
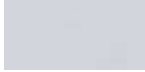
			
Bright Brass (BB) f, s	Bright Chrome (BC) f, s	Bright Nickel (BN) f, s	Satin Brass (SB) f, s
			
Satin Chrome (SC) f, s	Satin Nickel (SN) f, s	Antique Brass (QB) f, s	Antique Bronze (QZ) f, s

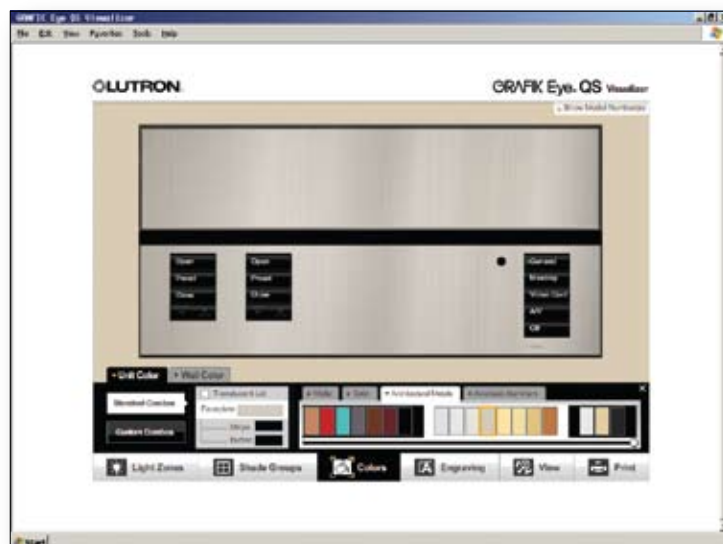
Color option guide



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

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



Use the GRAFIK Eye® QS Design Tool to design a system or customize a control unit. Design tool can generate model numbers, one-line diagrams, a bill of material, load schedules and/or order forms. View it on screen or print a copy to present to your design team or client.

www.lutron.com/grafikqsdesigntool

The Lutron difference

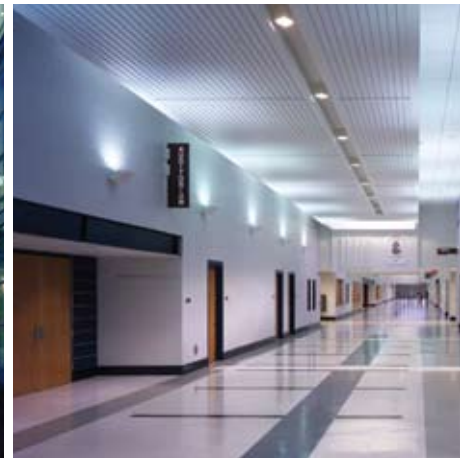
A history of sustainability, innovation, and quality



At Lutron, sustainability is not new to us. Lutron is a company built on a belief in taking care of people: customers, employees, and the community. We are a proud member of the U.S. Green Building Council. And since 1961, we have been designing industry-leading technology that saves energy and reduces green house gas emissions.

We innovate in advance of emerging market needs and continually improve our quality, our delivery, and our value.

Lutron holds over 1,700 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.



Global service and support

You can count on a level of support unequalled anywhere in the industry and anywhere in the world. Lutron provides 24/7 technical phone support. Lutron Field Service, made up of a global network of customer-focused field service engineers, provides world-class services that begin before your building is commissioned and continue throughout the life of your building.

Resources

GRAFIK Eye QS design guide worksheet

Step 1 selecting a GRAFIK Eye QS unit

A. Identify the number of lighting and shade zones in the space (see pg. 10 for details)

Lighting zones: _____
Shade zones: _____

B. Identify the load types in the space (see pg. 10 for details)

Number	Zone Name	Lighting	Load Type	No. of fixtures	Wattage	Base Watts	Peak Watts
Zone 1							
Zone 2							
Zone 3							
Zone 4							
Zone 5							
Zone 6							
Zone 7							
Zone 8							
Zone 9							
Zone 10							
Zone 11							
Zone 12							
Zone 13							
Zone 14							
Zone 15							
Zone 16							
Zone 17							
Zone 18							
Zone 19							
Zone 20							

C. Build a **STANDARD** GRAFIK Eye QS model number (see pg. 12 for details)

QSQU - _____

Build a **NON-STANDARD** GRAFIK Eye QS model number (see pg. 17 for details)

Base Unit: _____

QSQU - _____

Peripherals Kit (includes coordinating strips and buttons): _____

QSPP - _____

Step 2 selecting seaTouch QS keypads

A. Select the appropriate number of seaTouch QS keypads for the space

Number of keypads: _____ (Note: when selecting 4 or more keypads, a QS link power supply is required)

B. Build a seaTouch QS model number (see pgs. 15, 16 for details)

Enter keypad model numbers below:

Keypad 1: _____ Keypad 2: _____ Keypad 3: _____ Keypad 4: _____ Keypad 5: _____ Keypad 6: _____ Keypad 7: _____ Keypad 8: _____ Keypad 9: _____ Keypad 10: _____ Keypad 11: _____ Keypad 12: _____ Keypad 13: _____ Keypad 14: _____ Keypad 15: _____ Keypad 16: _____ Keypad 17: _____ Keypad 18: _____ Keypad 19: _____ Keypad 20: _____

Step 3 selecting shading components

A. Selecting power components for Siusa QS system (see pgs. 16, 17 for details)

Siusa QS smart panel: _____ QSPP-41-10-60 _____ W
Siusa QS wireless smart panel: _____ QSPP-41-10-60 _____ W
QS link power supply: _____ QSPP-41-10-60 _____ W
QS link wireless power supply: _____ QSPP-41-10-60 _____ W

B. Selecting appropriate window treatments (see pg. 18 for details)

To create a complete bill of materials and obtain quotes, please refer to the design configuration tool (DCT) or contact customer service at 1.800.445.1500 or at info@grafiklutron.com

Step 4 selecting energy-saving devices

A. Determine the type and number of occupancy sensors needed (see pg. 20 for details)

Sensor model number: _____ W
Sensor model number: _____ W
Sensor model number: _____ W

B. Determine number of daylight sensors needed (see pg. 21 for details)

Wireless daylight sensor: _____ G-DR-AP-100 _____ W
Wireless daylight sensor: _____ L-DR-ECN-100 _____ W

Step 5 selecting integration devices

A. Determine the type of integration needed (see pg. 22 for details)

QS RS232/Ethernet interface: _____ QS-CH-100-1 _____ W
QS input/output device: _____ QS-IO-1 _____ W
QS dimmer interface: _____ QS-DM-100-1 _____ W
A/V recording task: _____ LUT-100-1 _____ W
Video recording task: _____ LUT-100-1 _____ W

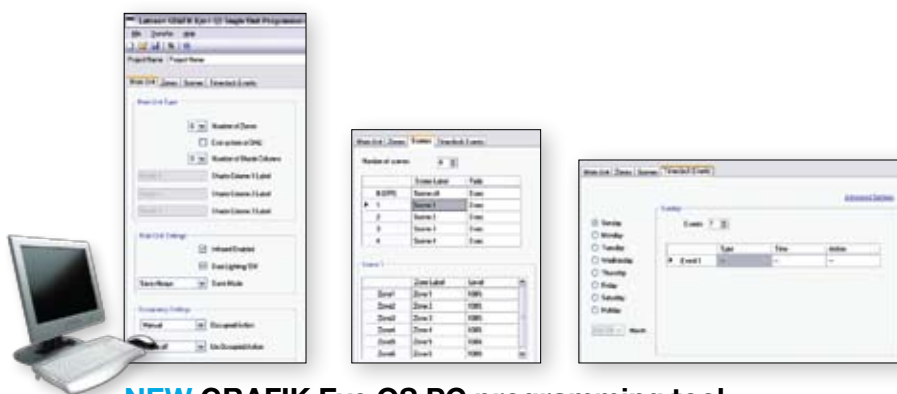
Additional components

Enter model numbers below:

_____ W
_____ W
_____ W
_____ W

GRAFIK Eye® QS design guide worksheet

Use this step-by-step worksheet to complement the Design Guide when building your GRAFIK Eye QS system. Available to download at www.lutron.com/grafikkeyeqs



NEW GRAFIK Eye QS PC programming tool

Set up scenes, zones, events, and more right from your PC with this easy-to-use software. Transfer the settings to and from the unit via USB.



www.lutron.com/grafikeyeqs

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