GRAFIK Eye® QS
A customizable light control system that adjusts lights and shades for any activity
What are the benefits?

**Improve comfort and productivity**
- Ensures the right visual environment for any activity through simple, preset lighting scenes
- Increases employee productivity by 5-10% by giving them the ability to work in their preferred light level

**Save energy and comply with codes**
- Reduces 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
- Cuts cooling and heating costs by up to 10% when using with Lutron shades
- Complies with ANSI/ASHRAE/IESNA Standard 90.1-2007, IECC, and California Title 24 energy codes
- Reduces greenhouse gases by eliminating unnecessary energy use

**Simplify design and integration**
- Connects directly to Sivoia® QS wired or wireless shades, occupancy/vacancy and daylight sensors, keypads, and digital ballasts
- Includes astronomic timeclock without the need to connect to a third party device
- Integrates easily with A/V, HVAC, and other systems through RS232/Ethernet/CCI

**Enhance flexibility and expandability**
- Digital programming is easily reconfigurable to meet the changing needs of a project or space
- Add components to grow the size and capabilities of the system
Applications

**Conference Room**
Create a multi-functional space that will allow for quick and easy transitions of the space and lighting. Preprogrammed lighting scenes for common room tasks enable intuitive use.

**Hotel Ballroom**
Create the perfect ambiance to match the room’s varying activities. Add in partition sensors to allow for quick and easy transitions of space and lighting with minimal interruptions.

**Classroom**
Enhance the learning environment to improve performance and comfort. Integrate sensors to save energy and reduce maintenance costs.

**Home Theater**
Make your home entertainment experience truly enjoyable by creating lighting scenes that fit with the room’s core activities.

**Other applications:**
- Restaurants
- Lecture halls
- Retail floor spaces
- Worship spaces
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.

Create scenes
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:
- QS interfaces
- seeTouch® QS keypads
- Sivoia QS shades
- Contact closure functions
  - Occupancy sensors
  - Emergency interface
  - Afterhours enable
  - Timedclock enable
  - Lockout
- Wired IR

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

* Features available on GRAFIK Eye QS Wireless with EcoSystem models only.
Now 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
- Wired-only options available

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
- Wired-only options available
NEW EcoSystem® H-Series ballasts
cost-effective, digitally addressable 1% dimming ballasts that work with wired and wireless sensors and controls—ideal for any application, both retrofit and new construction

NEW Radio Powr Savr™
wireless daylight sensor
wireless sensor gradually dims lights in response to the amount of available daylight

Sivoia® QS Wireless shades
automated window shades move quietly to eliminate glare and reduce heating and cooling costs

NEW Pico™ wireless controls	tabletop, handheld, or wall-mount controls that adjust lights or shades from anywhere in the room

RS 232/Ethernet Interface
provides integration with third-party touch screens, A/V equipment, HVAC, building management systems and other digital equipment.

Radio Powr Savr™ wireless occupancy and vacancy sensor
wireless sensor provides energy savings by ensuring lights are off when rooms are unoccupied
Lutron solutions do more than just control the light in a space. With the right design strategies, they can save substantial amounts of energy, reduce operating costs, and improve productivity.

Energy-saving strategies

- High-end trim (20% lighting)
- Occupancy or vacancy sensing (15% lighting)
- Daylight harvesting (15% lighting)
- Personal dimming control (10% lighting)
- Controllable window shades (10% AC)
- Timeclock scheduling (variable)

Potential lighting energy savings

60%

* When scheduling is used without occupancy sensing or vacancy sensing, 15% energy savings can be expected.

Sources can be found on back cover.

NEW GrafiK Eye® QS Wireless with EcoSystem

Customizable preset light control with built-in timeclock that allows users to adjust the lights and shades for any task and save energy at the touch of a button

NEW Hi-lume® A-Series LED driver

The world’s first LED drivers to offer smooth, continuous 1% dimming for virtually any LED fixture—whether it requires constant current or constant voltage
Key components system diagram

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.

Quantum® provides total light management for an entire building.

Sivoia® QS smart panel power supply.

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

seeTouch® QS keypads control lights and shades at the touch of a button.

Additional QS devices

QS RS-232/Ethernet interface allows for seamless integration with A/V, HVAC, and building management systems.

QS input/output device provides integration with third-party equipment requiring contact closure input/output.

QS DMX interface provides integration with LEDs and theatrical equipment.

A Low-voltage QS Link power and communications (4-conductor)
B Communications (2-conductor digital link)
C Wireless RF Communication
**EcoSystem**

- **Hi-lume® 3D digital addressable ballasts**
  - Provide architectural dimming to 1%

- **EcoSystem digital addressable ballasts**
  - Dim linear lamps to 10% and CFLs to 5%

- **EcoSystem H-Series digital addressable ballasts**
  - Provide architectural dimming to 1%

  Up to 64 digital addressable ballasts or drivers

- **Wired occupancy/vacancy sensor**

- **Wired daylight sensor**

**Hi-lume A-Series 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
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

**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 aluminium 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

seeTouch® QS

GRAFIK Eye® QS
Use the GRAFIK Eye QS Design Tool to design a system or customize a control unit. Adjust colors and engraving to visualize the control unit before purchasing.

www.lutron.com/grafiksdesigntool
Sources

3. IESNA 2000 Proceedings, Paper #43: An analysis of the energy and cost savings potential of occupancy sensors for commercial lighting systems. “Occupancy sensor savings range from 17% to 60% depending upon space type and time delay settings.”
5. IESNA 2000 Proceedings, Paper #34: Occupant Use of Manual Lighting Controls in Private Offices. “Giving the occupant manual switching and dimming provided a total of 15% added savings above the 43% achieved by motion sensors.”