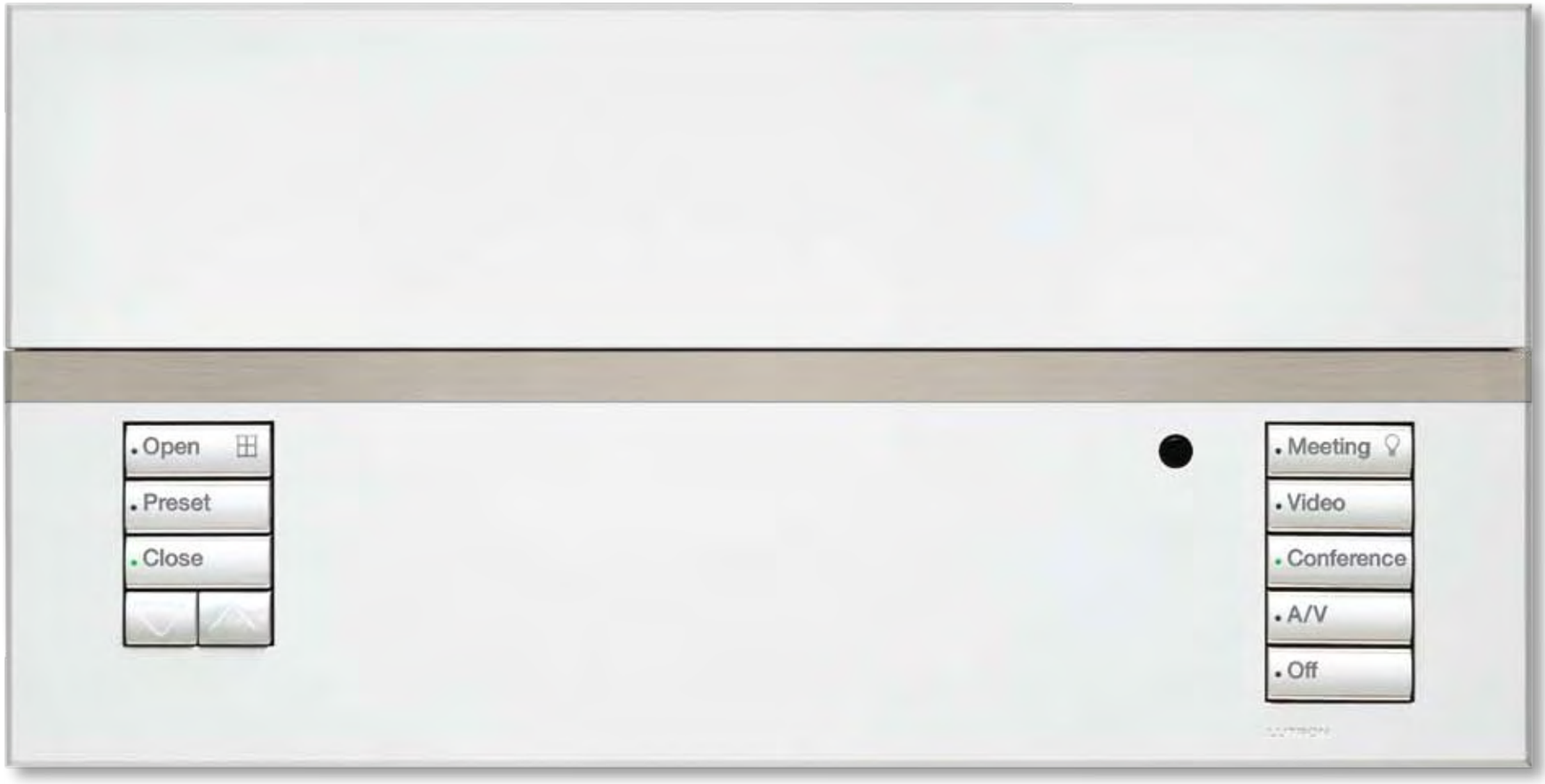
NEW
Wireless RF technology
& EcoSystem® versions

GRAFIK Eye® QS™

a powerful light, shade, and energy control system



Improves comfort and productivity while saving energy

LUTRON®

save energy with Lutron™

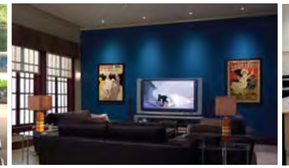
What is GRAFIK Eye® QS?

GRAFIK Eye QS is a powerful, 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 to **directly control** EcoSystem® and Hi-lume® 3D digital fluorescent ballasts, as well as Hi-lume LED drivers.

What are the benefits?

Improve comfort and productivity
- Ensure the right visual environment for any activity through simple, preset lighting scenes and boost productivity by 5%–10%

Save energy and comply with codes
- Reduce lighting energy use up to 60% with integral astronomic timeclock, occupancy/vacancy and daylight sensing
- 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 shades, occupancy/vacancy sensors, keypads, EcoSystem or Hi-lume 3D ballasts
- Integrate with AV, 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 system for an entire floor, building, or campus

How does the front panel work?

6 Page button
- choose between zones 1–8 or 9–16

7 Astronomic timeclock
- scheduling to meet energy codes
- includes after-hours mode

5 Multiple Lighting Zones
- 3, 4, or 6 zones (standard 120V model)
- 6, 8, or 16 zones (EcoSystem® model)

8 Information display
- energy savings
- lighting levels
- timeclock information

4 Backlit zone control buttons
- raise or lower each group of lights
- LEDs indicate light level

9 Master override backlit buttons
- raise and lower light levels of a complete scene

10 Infrared receiver
- allows wireless connectivity to handheld infrared remote

3 Color options
- 42 colors

2 Shade control
- open, preset, close
- raise/lower
- 0, 1, 2, or 3 shade groups

1 Light control
- 4 scenes and off
- backlit, engravable buttons
- easy to change in the field

11 NEW RF Transceiver
- allows wireless connectivity to other RF devices

12 NEW Wireless RF connections to:
- Sivoia® QS Wireless shades
- Radio Powr Savr™ occupancy/vacancy sensors
- Pico wireless keypads

Wired connections to:
- Sivoia QS shades
- Occupancy/vacancy sensors
- seeTouch QS wall keypads
- RS-232/Ethernet interfaces
- Power Modules

EcoSystem® low voltage connections to:
- EcoSystem, Hi-lume® 3D ballasts, and/or Hi-lume LED drivers (64 maximum)
- Daylight sensors
- Occupancy/vacancy sensors

Typical application: conference room

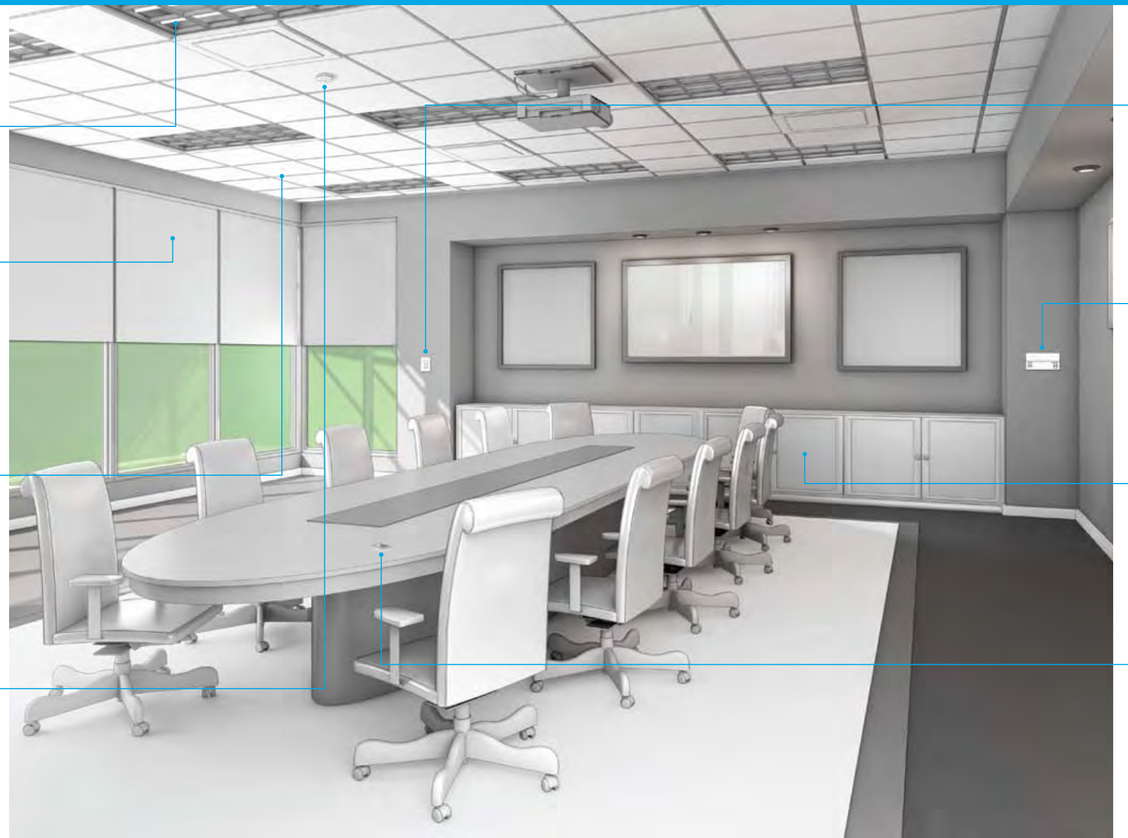
energy-saving components

EcoSystem®/Hi-lume® 3D digitally addressable ballasts
save energy and increase productivity by managing daylight and electric light

NEW Sivoia® QS Wireless roller shades
blackout and/or solar shades quietly move at the touch of a button to reduce sun glare and solar heat gain

Daylight sensor
save energy by automatically adjusting light levels based on the amount of daylight

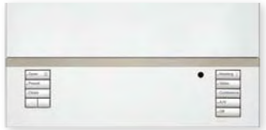
NEW Radio Powr Savr™ wireless occupancy/vacancy sensor
ensure energy savings by turning lights on and off based on room occupancy—easy to retrofit



lights, shades, AV, and HVAC controls

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

GRAFIK Eye® QS control unit
monitor, schedule, and control lights and shades at the touch of a button



RS-232/Ethernet interface
integrate with building management systems so you can easily control lights, shades, AV, and HVAC from one device via standard RS-232 protocol or Ethernet

NEW Pico wireless keypad
tabletop, handheld, or wall-mount available to control lights and shades from anywhere in the space

How the components connect together

incandescent loads
halogen loads
magnetic low-voltage loads
compact fluorescent loads
electronic low-voltage loads

phase adaptive power module

GRAFIK Eye® QS
includes wired and wireless connections to control lights, shades, and save energy automatically or with the touch of a button

EcoSystem® bus

Wired occupancy/ vacancy sensor

Daylight sensor

EcoSystem® digital addressable ballast
works individually or as part of a group to manage daylight and electric light—dims linear and compact fluorescents down to 10%

Hi-lume® 3D digital addressable ballast
works individually or as part of a group to manage electric light—dims linear fluorescents down to 1%

Hi-lume® digital addressable LED Driver
provides high performance dimming of energy efficient LEDs—dims down to 1% (without sensor inputs)

Up to 64 digital ballasts or drivers

Wireless RF communication

NEW Pico wireless keypad
tabletop, handheld, or wall-mount available to control lights and shades from anywhere in the space

NEW Radio Powr Savr™ wireless occupancy/vacancy sensor
automatically turns lights on and off based on room occupancy

QS Smart Panel Power Supply

Sivoia® QS Wireless shades
reduces glare and solar heat gain for increased comfort, productivity, and energy savings, while preserving exterior views

QS link

RS-232/Ethernet interface
allows for seamless integration with AV, HVAC, and building management systems

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

QS Smart Panel Power Supply

Sivoia® QS wired shades
reduces glare and solar heat gain for increased comfort, productivity, and energy savings, while preserving exterior views

Quantum®
provides total light management of an entire building

Additional QS devices

non-Lutron devices

Touch Panel Control

HVAC Equipment

AV Equipment

Lighting is your greatest opportunity for energy savings

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

How does GRAFIK Eye® QS save energy?

Energy strategy	Typical 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**

Benefits of light management

- **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 working in their preferred light level.

"We designed our building to use 1.28 watts per square foot of lighting power. With Lutron, it's only using 0.38 — that's 70% less."

Glenn Hughes, Director of Construction for The New York Times Company during design, installation, and commissioning of The New York Times Building

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* Energy Information Administration, 2003 Commercial Building Energy Consumption Survey, released September 2008.

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