

GRAFIK Eye® QS Wireless

Customisable preset light, blind, and energy control



Photography © Nic Lehoux



WHAT IS GRAFIK EYE® QS?

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



Photography © Nic Lehoux

WHAT'S NEW?

Now incorporating **Lutron's ultra-reliable Clear Connect RF wireless technology**, GRAFIK Eye QS wireless saves you time and costs by eliminating wiring to sensors, blinds and additional GRAFIK Eye QS wireless units.

GRAFIK Eye QS* models are now available with an integral bus supply for DALI compliant lighting for direct control of digital addressable ballasts.

WHAT ARE THE BENEFITS?

ENERGY SAVING AND ENVIRONMENTALLY FRIENDLY

- Reduce lighting energy use with built-in timeclock, dimming, and occupancy and daylight sensing

EASY TO DESIGN AND INTEGRATE

- Integrates with 3rd party devices for control of AV, HVAC, and other building management systems
- Connects directly to Sivoia® QS blinds, occupancy and daylight sensors, wallstations, and DALI compliant lighting

FLEXIBLE AND SCALABLE

- Easily reconfigure to meet the changing needs of a space
- Add multiple components to grow the capabilities of the system
- Add Quantum® for total light management of an entire building

* There are two GRAFIK Eye QS wireless versions. The standard phase control triac version comes in 3, 4, and 6 zone configurations and will directly control incandescent, halogen, and MLV loads (ELV loads require and interface). The GRAFIK Eye QS wireless for DALI comes in 6, 8, and 16 zone configurations and will only directly control DALI-compliant devices; and will not have line voltage outputs.

12 KEY FEATURES – TO CONTROL LIGHTS, BLINDS AND SAVE ENERGY

6 Multiple zones
Control up to 16 individual DALI compliant zones (up to 6 zones with non-DALI models)

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

4 Control your shades
Backlit engravable blind control buttons. (changeable in the field)

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

2 Infrared remote control
Provides handheld control with a wireless remote.

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

9 NEW RF Transceiver
Allows wireless connectivity to other wireless devices

8 Backlit master override buttons
Temporarily raise and lower light levels of a complete scene.

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

10 WIRED CONNECTIONS TO:

- Occupancy sensors
- RS-232/Ethernet interface
- seeTouch® QS wallstations
- Sivoia® QS wired blinds and curtain tracks
- Daylight sensor (Available Q1 2010)

11 NEW WIRELESS RF CONNECTIONS:

- Radio Powr Savr™ occupancy/vacancy sensors
- Additional Grafik Eye® QS wireless units
- Pico™ wireless controls
- Sivoia® QS wireless blinds
- Daylight sensor (Available Q1 2010)

12 DALI* BUS SUPPLY CONNECTIONS TO:

- Direct control of up to 64 digital addressable loads

* Direct control of DALI compliant output devices available on GRAFIK Eye QS wireless for DALI models only

TYPICAL APPLICATION: CONFERENCE ROOM



NEW Sivoia® QS wireless roller blinds

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



seeTouch® QS wallstations

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



NEW Pico wireless control

control lights and blinds from anywhere in the space



NEW Radio Powr Savr™ wireless occupancy/vacancy sensor

easy to retrofit and ensures energy savings by turning on lights only when you need them



GRAFIK Eye® QS

monitor, schedule and control of lights and blinds at the touch of a button

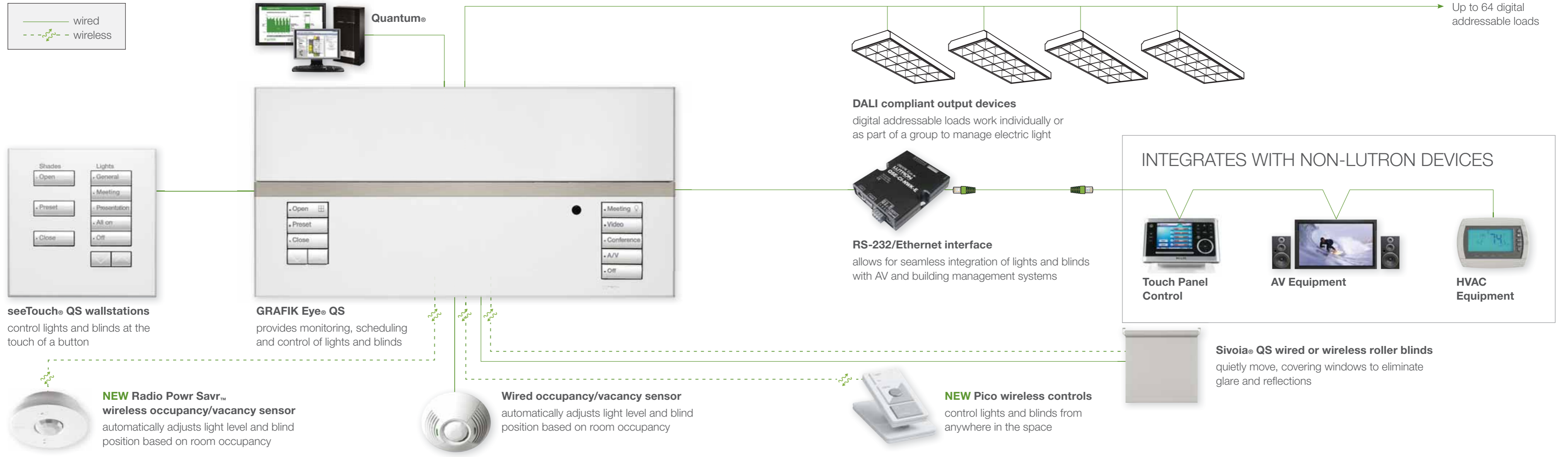


RS232/Ethernet interface

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



KEY COMPONENTS SYSTEM DIAGRAM



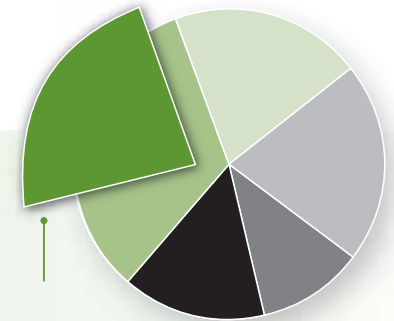
LIGHTING CAN BE YOUR GREATEST OPPORTUNITY FOR ENERGY SAVINGS

- Lighting accounts for 33% of the annual electricity used in office buildings¹.
- Lutron solutions can **save up to 60% or more** of your lighting energy costs.

HOW DOES GRAFIK EYE QS™ WIRELESS SAVE ENERGY

Energy-saving strategy	Estimated energy savings
Dimming ²	20% Lighting
Occupancy/vacancy sensing or scheduling ³	15% Lighting
Personal Light Control ⁴	10% Lighting
Daylight harvesting ⁵	15% Lighting
Controllable window shades ⁶	10% HVAC
Typical energy savings	60% Lighting, 10% HVAC

Potential savings with total light management
60% lighting



ANNUAL UK ELECTRICITY USE IN OFFICE BUILDINGS¹

Lighting	33%
Cooling and ventilation	21%
Heating	20%
Computing	15%
Other	11%

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.⁷

- ¹ Source: Department for Business Enterprise & Regulatory Reform. Energy Consumption in the United Kingdom, 2008 Update. Pub URN 08/456
- ² Source: California energy study <http://www.energy.ca.gov/efficiency/lighting/VOLUME01.PDF>
- 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." When scheduling is used without occupancy sensing or vacancy sensing, 15% energy savings can be expected.
- ⁴ 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."
- ⁵ US Department of Energy. How to Select Lighting Controls for Offices and Public Buildings. Claim: 27% potential savings using daylight harvesting.
- ⁶ Lutron-commissioned simulation by T.C. Chan Center for Building Simulation and Energy Studies, University of Pennsylvania, September 2008.
- ⁷ Light Row Consortium Research on the effects of lighting control on office workers, www.lightright.org/research/index



FREephone (UK): 0800 282 107 | Customer Service: +44 (0)20 7702 0657
 Technical Support: +44 (0)20 7680 4481 | www.lutron.com/europe | lutronlondon@lutron.com
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