

Lutron spotlight

Light greener, light better.™



this issue: **September/October 2008** (Issue 9)

market in focus
featured products
the Lutron difference

save
energy
with
Lutron®



come see Lutron:

Trade Show Calendar

HD Boutique

September 17-18, Booth #1154
Miami Beach Convention Center
Miami, FL

Greenbuild

November 19-21, Booth #2422
Boston Convention
and Exhibition Center
Boston, MA

new website:

Wallbox Catalog

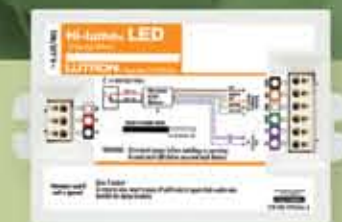
This comprehensive new catalog includes model numbers, available colors, and ordering information. The catalog also features a guide to selecting controls by load type and power interfaces for all loads and wattages. In addition, it highlights information on the energy-saving aspects of all Lutron dimmers. **Download it today at www.lutron.com/wallboxcatalog.**

featured product:

NEW! Hi-lume® LED driver High performance driver for LED lighting

The Hi-lume LED high performance driver provides energy efficient LED dimming from 100% to 1%. It has precision microprocessor control and integral thermal management to achieve energy savings and extended product life. With universal voltage and a wide variety of control options, Hi-lume LED is ideal for many projects and applications.

Visit www.lutron.com/HilumeLED to learn more.



Hi-lume LED driver installed in one of our qualified fixtures

Performance:

- True 1% dimming provides personalized light levels in addition to energy savings
- Immediate light output when switched on, no warm up time necessary
- Intelligently detects and responds to excessive temperatures by reducing power and light output to preserve driver life

Quality:

- 100% performance tested and qualified with light engines
- Service-free lifetime of at least 50,000 hours

Features:

- 3-wire or EcoSystem® digital control
- Universal voltage (120V or 277V) 50 or 60Hz
- 25W maximum driver rating
- UL listed LED driver (UL 8750)



featured product:

GRAFIK Eye® QS with EcoSystem®

With the new GRAFIK Eye QS with EcoSystem, adjust your lights for any task or activity in commercial, educational, or institutional spaces. Recall these settings with the touch of a button. With an integral EcoSystem bus supply, GRAFIK Eye QS now directly controls EcoSystem and Hi-lume® 3D ballasts (any voltage) without an interface.

3 Backlit zone buttons

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

4 Page button

Scrolls between zones 1-8 and 9-16. Program and control up to 16 zones of EcoSystem from one GRAFIK Eye® QS unit.

9 new features for better lighting control and energy savings

1 Control your lights

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

2 Control your shades

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



market in focus:

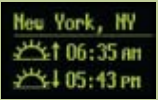
Higher Education

Among the numerous factors leading to the increased cost of higher education across America's campuses, rising energy costs are cited at the top of the list. Hundreds of institutions of higher learning across the country have recognized the necessity and advantages of making sustainability a foremost priority on their individual campuses.

Lutron solutions help drive the sustainability goals of campuses through innovative approaches to energy management and flexible lighting control strategies. With light controls, institutions of higher learning save energy by dramatically reducing the amount of electricity required by the lights. These solutions adapt to different learning styles as well as varied instructional methods and spaces. And with the right technology, institutions of higher learning can support the campus community by serving as a flexible venue that can suit a variety of functions.

Visit www.lutron.com/casestudies, click on "education" and discover how Lutron solutions are creating sustainable campuses around the world.

5 Time clock



Provides scheduling to meet energy code requirements. Includes after-hours mode option. (multiple language options)

6 Information display

Easily read energy savings, lighting levels, and time clock information. Directly program EcoSystem® ballasts and sensors to save energy together.

7 Backlit master override buttons

Temporarily raise and lower light levels of a complete scene.

8 EcoSystem sensors

Connect to ballasts to provide daylight harvesting and automatic occupancy/vacancy control.



9 Connections to:

- Wired infrared link
- Occupancy sensor (no power supply needed)
- A/V and building management systems via RS232/Ethernet interface
- Accessory wallstations
- Additional GRAFIK Eye® QS control units
- PC programming (via USB port)

Visit www.lutron.com/grafikeyeqs to learn more.

energy saving strategies:

Source comparison: CFL and Halogen

When selecting the right bulb (lamp), one must take into account the lighting needs of the space. Both CFL and halogen bulbs offer reduced energy usage and a longer lamp life than the incandescent bulb. Halogens and screw-in CFLs are less expensive to operate than a switched incandescent bulb, due to lower energy costs and longer life.

When you want maximum light and long life with minimal energy consumption, the CFL can last up to 10,000 hours. In areas where light quality, ambiance and color rendering

are important, a halogen bulb with a dimmer should be selected. The typical 3,000 hour rated halogen bulb lasts up to 12,000 hours when dimmed by an average of just 25%.



View a detailed comparison of various bulb types at www.lutron.com/bulbs.



the Lutron difference:

Thermal magnetic breakers



Lutron installs continuous duty thermal magnetic breakers in all of its dimming panels. A typical magnetic-only breaker has a magnetic element that senses large fault currents that cause it to trip. A thermal magnetic breaker has both a magnetic and a thermal element. The thermal element senses small overloads which heat

up and cause the breaker to trip when it would not have tripped on the magnetic-only breaker.

For an in-house presentation of the Lutron Difference, call 1.866.651.8411.

issue 9:

Lutron **spotlight**

This newsletter is intended to inform you about innovative Lutron solutions that use less energy, save money, and protect the environment while enhancing your visual experience.

This issue features the new Hi-lume® LED driver, the importance of lighting in higher education, GRAFIK Eye® QS with EcoSystem®, a source comparison between halogen and CFL bulbs, and thermal magnetic breakers – the Lutron difference.

spotlight is published bi-monthly, and is available online at www.lutron.com/spotlight.



Lutron Spotlight Helpline: 1.866.651.8411
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Technical Support Center 1.800.523.9466

case study:

Montgomery College

Rockville, Maryland



When re-designing the lighting in their Theatre Arts building, Montgomery College needed to effectively marry function and feeling so that the lighting matches the theme of an event, while ultimately adapting it into a multi-purpose space. Additionally, the system needed to be easy to control, allowing all fixtures to be effectively managed from one central location. They chose the LCP128™ lighting system from Lutron, and the Theatre Arts building can now provide the environment necessary for any of its more than 300 events each year.

Visit www.lutron.com/casestudies to read this and other Lutron case studies.

MOHAWK wind power 

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