

November 2009



BRIGHT IDEAS



Synergy
LIGHTING CONTROLS

AcuityBrands.
Controls

Aesthetic Appeal

Decorator-style override switches from Synergy® Lighting Controls offer great flexibility in matching the right style of switches to Synergy's industry-leading lighting control solution.



Acuity Brands Controls is pleased to announce the immediate availability of two new low voltage switches; the Low Voltage Push-button Switch (LVPS) and Low Voltage Key Switch (LVKS). You asked for Decora® style switches and we delivered.

The new LVPS provides:

- Two or four push-buttons in a single-gang Decora footprint
- Clear switch caps are removable so users can easily place labeling without the need of engraving
- Standard labels are provided - ON, OFF, ON/OFF, UP/DOWN arrows to speed the commissioning process
- Custom labels can be printed on clear transparencies
- Low power LED to indicate switch is on
- Locator light so users can see the switch in a dark room
- Removable terminal block to make installation easy
- Available in Ivory and White

Compatible with any Acuity Brands Controls lighting control system with low voltage switch inputs. Switch LED and Locator will require pilot light output capability.

The new LVKS provides:

- One lock per switch
- Fits side-by-side for multi-gang mounting
- SPDT, SPDT Momentary and Hands-Off-Auto action
- Cylinder-style locking mechanism
- Two keys furnished

New Acuity Brands Government Web Site Highlights Resources for Government Projects

Introducing the Acuity Brands government web site www.AcuityBrands.com/gov. Designed to showcase the company's lighting products and controls portfolio for prospective government projects. This web site highlights 22 distinct government facilities and infrastructure categories, listing key lighting and controls applications, and connecting to relevant case studies and product literature. We have created this unified Acuity Brands web site that is channel- and brand-agnostic, to show our channel partners and government contracting officers the complete portfolio of Acuity Brands products.



The site's home page features an interactive city map that displays the expanse of government opportunities. The map allows a viewer to select a specific application and obtain comprehensive lighting information.

Gotham Microflange™



In spaces where a minimalist design is preferred, the ceiling becomes a large design element to consider. Standard downlights, even with painted flanges, often do not meet the design objectives of the application. Although "flangeless" trims have been around for many years, architects and designers are somewhat hesitant to specify them due to difficulties in installation and the likelihood of the ceiling cracking and chipping around the finishing trim. With the Gotham "Microflange" option, these concerns are addressed with a unique approach utilizing a fiberglass-reinforced gypsum interface board.

This new option allows the contractor to easily mud to the edge of the trim for a clean, minimal look, while providing a robust method of installation that integrates fixture and ceiling. As a result, stresses that can lead to unsightly ceiling cracks and chipping at the transition point between ceiling and mounting frame are minimized. The new Microflange option – MFLG – is now available with all Gotham Squares fixtures.



Product Features & Benefits

- Standard Square Mounting Frame – Gotham Microflange is available for use on all standard Gotham square mounting frames including LED, CFL, HID and incandescent sources.
- Gypsum Interface Board – A fiberglass-reinforced gypsum board provides an interface between the mounting frame and ceiling. The mud board can be attached to all Gotham square-aperture mounting frames. Removable slats are provided to accommodate different ceiling thicknesses from 5/8 to 3/4 inch.
- Plaster Guard – A plaster guard snaps into the aperture during the finishing process to protect the interface board and inside of fixture from plaster and paint.
- Trim Choices – Microflange trims can be ordered in both high-impact-polymer and formed-metal square apertures, providing a clean, minimal and flush-mounted trim appearance.

SIMPLY5 Goes T8

SIMPLY5 revolutionized lighting control by providing an incredible power control system that is amazingly easy to install. Now it's available for T8 lighting.

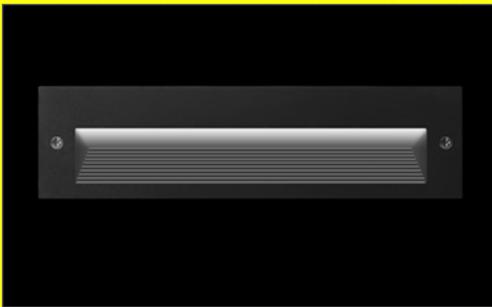
SIMPLY5™ T8

READ MORE BELOW

SIMPLY5 Ballasts for T8 Lamps SIMPLY5's new T8 option.

SIMPLY5 by Synergy Lighting Controls revolutionized lighting control by offering a smart ballast-based lighting control solution enabling manual and automatic dimming and switching based on inputs from occupancy sensors, photosensors, schedules, and local controls. Virtually any control strategy can be implemented via a single integrated digital control system, using fewer components than a conventional control system, generating lighting energy savings of 25-50% or more.

The platform for the system is a smart dimming ballast with seven preset levels from 100% to 3%, avoiding the need for centralized switching and dimming control panels and the complex wiring required to connect them to all of the control inputs. With RELOC® plug-and-play wiring, interoperability issues are eliminated, installation is simplified, and future expansion is a snap. What's more, SIMPLY5 automates many setup, calibration, and programming tasks, making the system easy to commission and more certain to provide intended energy savings. Previously available only for operation of T5 and T5HO lamps, SIMPLY5 is now entering the much larger T8 market in force. Synergy Lighting Controls is proud to introduce new 32W T8 1- and 2- lamp ballasts, fully interoperable with SIMPLY5 digital controls for a broad selection of Lithonia Lighting, Gotham Lighting, Peerless Lighting and Mark Architectural Lighting light fixtures. With SIMPLY5, the industry's best lighting meets its simplest and most flexible control.



BEGA

Recessed LED Wall Luminaire

Designed for long life, low maintenance, minimal energy consumption, color stability and low surface temperatures. An ideal solution for the illumination of walkways, pathways, stairways, and steps. Available in two sizes and light outputs



Indy ...
BIGGER & BETTER
than ever



Indy... Where More is Better.

- World-renowned Designer Series
- Widely expanded Performance Series
- Recessed, adjustables, pull-downs, cylinders, and multi-lamps
- Indy quality, innovation, and efficiency



Indy Architectural LED Luminaires Guide

Rounds, Squares, & Cylinders

Download the Indy LED guide today and discover the benefits of the Indy Architectural LED Luminaires, such as:



- Almost 1000 lumens from just 18 watts of input*
- Remote phosphor technology for superior color consistency
- Superior glare control & concealed light source
- 3000K and 4100K color temperatures

*Nominal input wattage @ 120-volt operation

Industry's Largest Selection of CMH Fixtures



- Full commercial product range
- Dura-Life system
- Lamp Sensing Switch option
- Interchangeable Locked Optics

Gotham Squares²



Gotham Squares have been growing exponentially since the original launch of this family. To meet your customers' requirements for choices in source, wattage and application, Gotham is very excited to build on the Squares' success and introduce an expanded line of 4- and 6-inch square-aperture products for use with MR16 halogen and ceramic metal halide, T4/T6 ceramic metal halide, and HID and incandescent PAR lamps in downlight, wallwash and adjustable configurations.

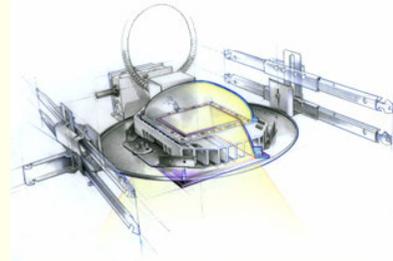
Gotham Squares were designed initially to overcome several real-world issues regarding square-aperture downlights. Trim misalignment in the space during initial installation or later during routine maintenance, significant light leaks and poorly constructed trims are just a few of the common issues encountered when using square-aperture downlights by others.

Our highly engineered mechanical design and chosen material allowed Gotham Squares to overcome these issues, and the same advantages continue in the expanded series. By choosing Gotham, you know that square-aperture luminaires don't have to be difficult to install or maintain, and now Gotham can fill all your source and application needs, making it easy to include Gotham Squares as part of your next downlighting specification.

Product Features

- **More Squares** – Available in CFL, HID and line-voltage incandescent in a variety of lamp styles in **downlight, wallwash and adjustable** configurations.
- **Trim Options** – One-piece molded trims eliminate mitered flange joints and inside corner gaps for an ultra-clean aperture with no light leaks. Available in four- and six-inch aperture trims. To increase wattage capability, a **metal trim option is now available** in matte-diffuse and semi-specular finishes to accommodate sources that are 150 watts and above. A **microflange trim** option, providing a clean ceiling appearance for drywall ceiling applications, is on the specification sheets and will be available to order in December in both the one-piece molded trim and metal trim option.
- **Additional Trim Colors** – Trims can now be ordered in **pewter and wheat** on all of Gotham's high-impact-polymer, square-aperture finishing trims.
- **Installation Guides** – We've engineered the housings to facilitate precise placement and linear alignment for an **installation without compromise**. Post installation adjustability ensures consistent installation and appearance of trims. Trims are keyed to the mounting structure so initial alignment is maintained, even after re-lamping.

ECOS™ Squares!



Gotham Lighting has experienced great success over the past year with the initial introduction of Ecos, the first family of white-light LED downlights and wallwash luminaires designed to deliver a useful lumen package for commercial applications. Our unique and patented indirect LED design, which conceals the LEDs from direct view for the superior aperture aesthetics and performance that defines Ecos, is now available in both round and square aperture

Ecos Squares incorporates eco-friendly, cost-saving benefits, such as a mercury-free lighting system and 50,000 hours of life, resulting in reduced maintenance costs and a sustainable luminaire that can be easily upgraded as LED technology continues to improve.

Ecos Squares are available now in downlight and wallwash configurations in 4- and 6-inch apertures, complementing Gotham's full line of square-aperture luminaires. The same patent-pending mechanical features found in all Gotham Squares—making installation and maintenance consistent and easy, and delivering lumen levels comparable to traditional 26W and 32W CFL sources—gives you the confidence to make Ecos Squares the choice for your next square LED specification.

Product Features & Benefits

- **Square Apertures** – Ecos Squares are available in downlight and wallwash configurations for both 4- and 6-inch-square aperture sizes. We've engineered the housings to facilitate precise placement and linear alignment for an **installation without compromise**. Post installation adjustability ensures consistent installation and appearance of trims. Trims are keyed to the mounting structure so initial alignment is maintained, even after re-lamping.
- **Dimming** – **0-10V dimming**, now standard on Ecos Squares, provides continuous dimming down to 10%, adding flexibility to meet the most demanding lighting requirements and reducing energy demand to enhance building performance.
- **Trim Options** – One-piece molded trims eliminate mitered flange joints and inside corner gaps for an ultra-clean aperture with no light leaks. A **microflange trim** option provides a clean ceiling appearance for drywall ceiling applications.
- **Additional Trim Colors** – Trims can now be ordered in **pewter and wheat** on all of Gotham's high-impact-polymer, square-aperture finishing trims.





IceTray Rectangular and Angular
products now available
in the 5-day QuickShip program!



IRM8QS

IRD8M8QS



IAM8QS

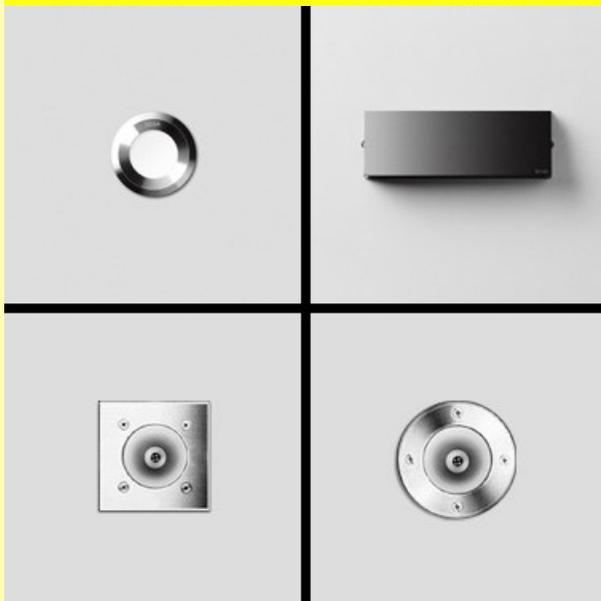
IADM8QS

See all 22
QuickShip products

on our [website](#)

or

BEGA



New LED offerings
now available in existing BEGA designs.

Recessed wall - round 1.5W LED with
matte textured lens

Surface wall - shielded 10W LED light
source

In-grade - small scale square 4W LED
floodlight

In-grade - small scale round 4W LED
floodlight

New Products

LITECONTROL

CS/us - Control Solutions

Litecontrol offers several control solutions with our lighting systems. Our newest solution for small offices and stairways is CS/us. **CS/us Pendant system**, available in Arcos and Arcos ID, provides assurance that the fixture will be switched off when the room is vacant. A fixture-integrated ultrasonic occupancy sensor checks for motion in the room and turns the fixture off when no motion is detected over a certain period of time. **CS/us Wall** is an essential part of lighting stairways, stairwells and corridors safely and efficiently. With CS/us Wall, lighting levels can be maintained at a reduced level when the space is unoccupied and switched to 100% when the sensor detects movement. Minimum lighting levels can be maintained while still conserving valuable resources and money. CS/us Wall control solution is available in the V3 and Wall Mod fixtures.



VIVID

Vivid – the newest member of the **Latitude family** of small-scale, extruded fixtures – pushes “small” to the limits with its 1” height. The long, thin look is enhanced by the side glow light slot, while the VCOptic lens with its regressed edges adds further linearity and visual appeal. And to really make a Vivid statement, specify one of the color gel options to make the side glow really pop. To learn more about this exciting new product go to litecontrol.com.



VCOptic™

Litecontrol’s VCOptic family consists of advanced optical components that are individually engineered for maximal visual comfort. We adapt the VCOptic approach for the specific needs of a given fixture and application, always guided by the four VCOptic principles.

VCOptic Principles

1. Control luminance
2. Obscure lamp images
3. Manage intensity distributions and contrast ratios
4. Create visual interest



The new VC2 lens is available with our new Vivid fixture. The VC2 lens is a microprism acrylic lens coupled with semi-specular reflective material. The Vivid’s new VC2 lens creates a uniform brightness without lamp images. VC1 was the first VCOptic product offered by Litecontrol, available in the new Arcos M5 as well as the Latitude-L, Latitude-C and Latitude-LS fixtures. The VC1 lens partners an innovative optical film with a clear grooved lens. The optical film utilizes internal microlens structures to direct and shape the transmitted light.



INTRODUCING THE BEGHELLI: **SPYDER[®] NU- ANCE LED**

The SPYDER[®] NUANCE is the newest addition to the Beghelli LUCE product family.

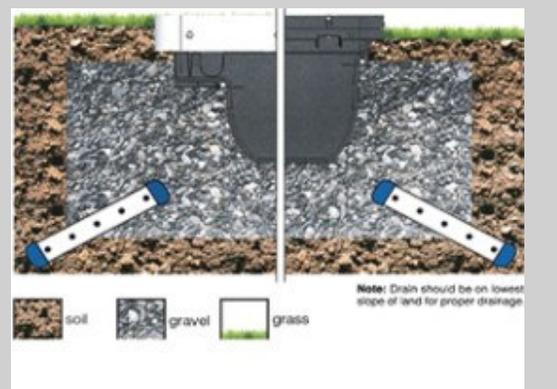
- available in 12", 18", 24", 30", 36" and 48" configurations.
- narrow body design
- Fixed and Adjustable variations
- indoor / damp location available in both fixed & adjustable versions
- wet location / IP66 available in adjustable version only
- 120° optics for even distribution
- end to end connection system allows for continuous row mounting.
- 200 lumens per linear foot
- nominal 4W per linear foot
- white LED only available in 2100K, 3500 & 4100K
- CRI≥80



Case Study



LED'S: Regarding our Q-Vault and LED Power supplies, Q-Tran has the only IP68 (Q-Vault) listed LED power supply (in the QSETLED) in the world. The LED power supplies are located in the QSET modules with up to 2 inside of one QSET1 with 0-10V dimming modules. Two QSET 1's will fit inside the Q-VAULT, so that means up to 400 watts of 24VDC (4 drivers) in a single Q-VAULT enclosure. This product is UL listed by itself, not merely listed as a UR (UL Recognized component) as many other drivers are. Specifiers love this product because it solves the problem of where to locate the LED power supplies. Needless to say, it prevents the specifier from ending up with something like this on their job:



Had they specified Q Tran on this job, the drivers would have been mounted below grade and invisible to the public. In an IP68 Q-Vault, they would get longevity through protection from the elements as well. With the following drawing on the plan, there is no confusion on where the drivers are going:

F.Y.I.

- Tambient can help projects qualify for LEED certification (Up to 11 points).
- K.L.I. would like to welcome the following Manufacturer:



Klopfenstein's Lighting Inc
1128 Nuuanu Ave Suite 101
Honolulu, HI 96817-5119
Phone: 808-533-0558
Sales Fax: 808-526-4085
Quotes Fax: 808-521-2891
E-mail: info@kli-hi.com
www.kli-hi.com

KLI is known as the premiere lighting manufacturer's representative in Hawaii since 1976. In general, we promote our lighting manufacturers through Architects, Engineers and Designers and distribute through wholesale electrical houses.

KLI was originally incorporated in 1976 under the name KLOPFENSTEIN'S and operated out of a house in Hawaii Kai. In December of 1987 we moved our operations into our present location on Nuuanu Ave in Downtown Honolulu. In 1997 we reincorporated as KLOPFENSTEIN'S LIGHTING INC (KLI).

Our primary purpose is to provide the best product for your application with efficient service for all your needs.