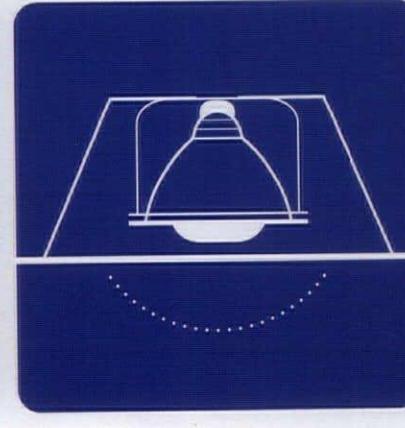
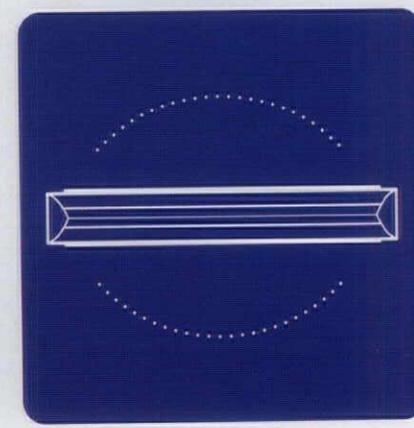
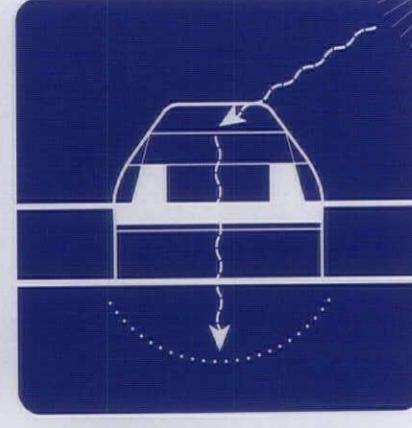
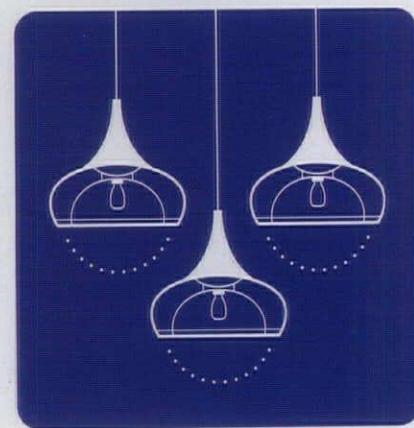
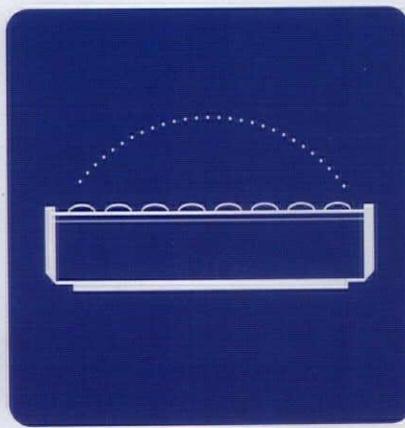
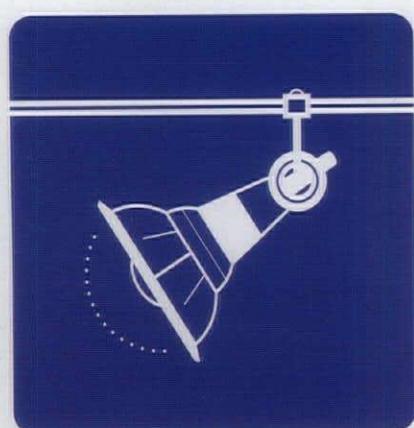
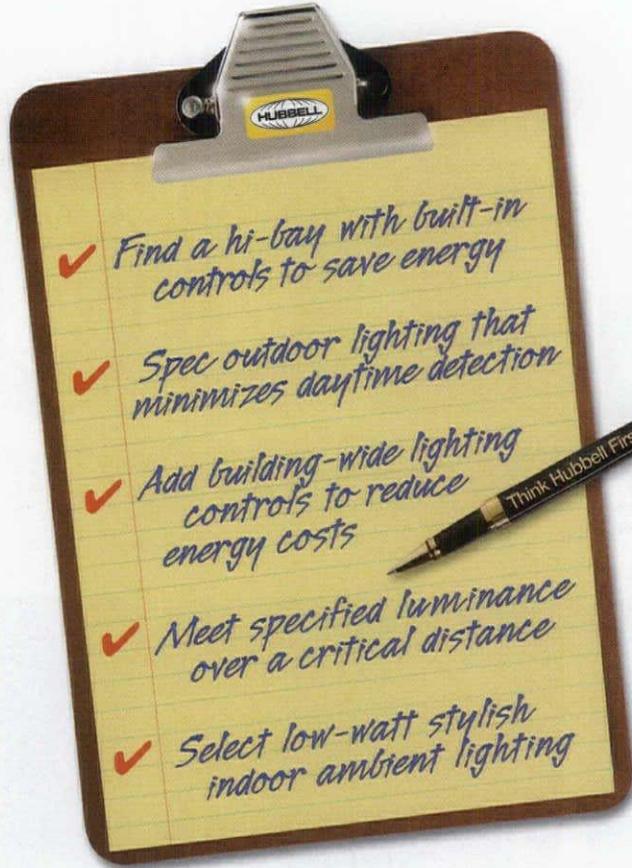


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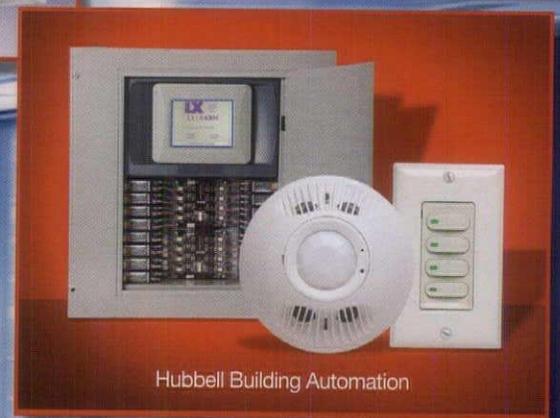
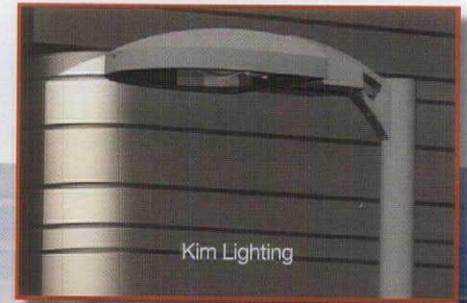
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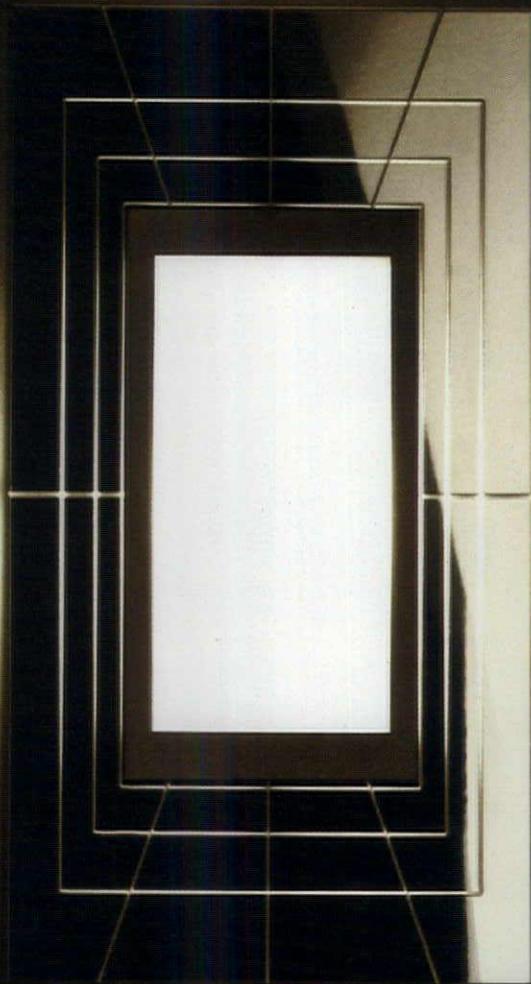
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# AL

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### EDITORIAL

**EDITOR IN CHIEF**  
Ned Cramer  
[ncramer@hanleywood.com](mailto:ncramer@hanleywood.com)

**EDITOR**  
Elizabeth Donoff  
[edonoff@hanleywood.com](mailto:edonoff@hanleywood.com)  
202.729.3647

**MANAGING EDITOR**  
Greig O'Brien  
[gobrien@hanleywood.com](mailto:gobrien@hanleywood.com)

**ASSOCIATE EDITOR**  
Jennifer Lash  
[jlash@hanleywood.com](mailto:jlash@hanleywood.com)

**EDITORS AT LARGE**  
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Sallie Moffat

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**ART DIRECTOR**  
Aubrey Altmann  
[aaltmann@hanleywood.com](mailto:aaltmann@hanleywood.com)

**SENIOR GRAPHIC DESIGNER**  
Marcy Ryan  
[mryan@hanleywood.com](mailto:mryan@hanleywood.com)

### ONLINE

**EDITORIAL DIRECTOR ONLINE**  
John Butterfield  
[jbutterfield@hanleywood.com](mailto:jbutterfield@hanleywood.com)  
202.736.3413

**SENIOR WEB PRODUCER**  
Richard Stirba  
[rstirba@hanleywood.com](mailto:rstirba@hanleywood.com)  
202.729.3564

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[jallen@hanleywood.com](mailto:jallen@hanleywood.com)

### PRODUCTION

**DIRECTOR OF PRODUCTION AND PRODUCTION TECHNOLOGIES**  
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[cunderwood@hanleywood.com](mailto:cunderwood@hanleywood.com)  
202.736.3317

**PRODUCTION MANAGER**  
Chapella Leftwich  
[cleftwich@hanleywood.com](mailto:cleftwich@hanleywood.com)  
202.736.3432

**ASSISTANT PRODUCTION MANAGER**  
Trey Gossage  
[tgossage@hanleywood.com](mailto:tgossage@hanleywood.com)  
202.736.3335

**PREPRESS MANAGER**  
Fred Weisskopf  
[fweisskopf@hanleywood.com](mailto:fweisskopf@hanleywood.com)  
202.736.3472

**PREPRESS COORDINATOR**  
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#### EXECUTIVE DIRECTOR/COMMERCIAL DESIGN AND CONSTRUCTION

Patrick J. Carroll  
pcarroll@hanleywood.com  
773.824.2411

#### PUBLISHER

Russell S. Ellis  
rellis@hanleywood.com  
202.736.3310

#### ASSOCIATE PUBLISHER

Jon Yoffie  
jyoffie@hanleywood.com  
916.941.6566

#### ADVERTISING SALES

##### NORTHEAST, MIDWEST AND INTERNATIONAL ADVERTISING MANAGER/LIGHTING

Cliff Smith  
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864.642.9598

##### REGIONAL SALES MANAGER/MIDWEST

Michael Gilbert  
mgilbert@hanleywood.com  
773.824.2435

##### REGIONAL SALES MANAGER/SOUTH CENTRAL

Joseph Tuttle  
jtuttle@hanleywood.com  
303.663.8252

##### REGIONAL SALES MANAGER/WEST

Mark Weinstein  
mweinstein@hanleywood.com  
310.798.4030

##### PRODUCT REVIEW AND CLASSIFIED SALES

Erin Liddell  
eliddell@hanleywood.com  
773.824.2445

##### GROUP PUBLISHING SUPPORT MANAGER

Angie Harris  
aharris@hanleywood.com  
773.824.2415

##### MARKETING MANAGER

Lauren Cardinet  
lauren@decisioncounsel.com

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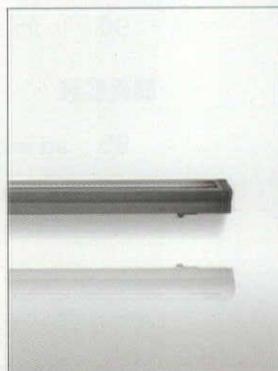


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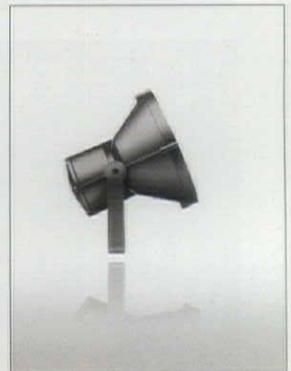
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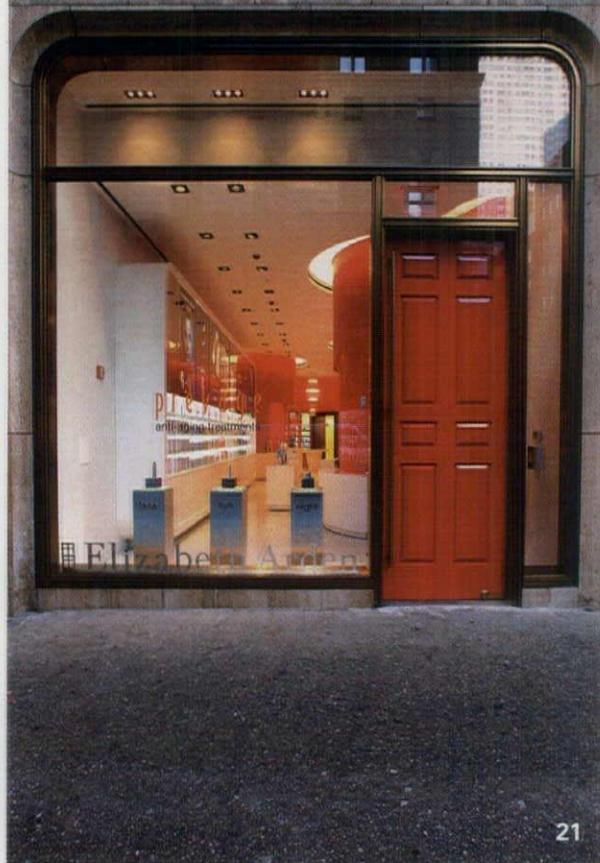
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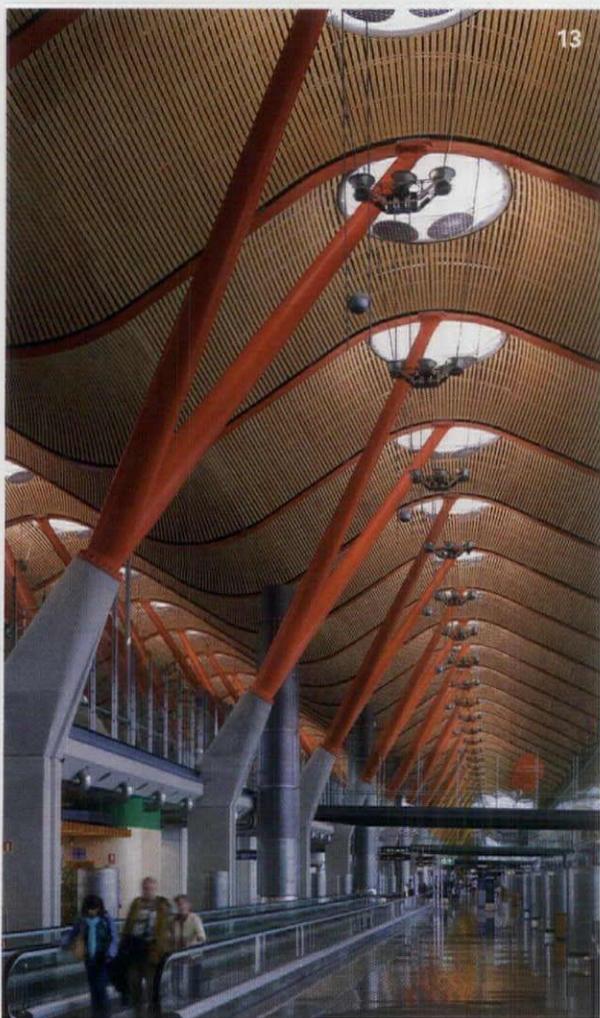
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**Cover:** Illustration by Jameson Simpson

**This page:** The Elizabeth Arden store on Fifth Avenue, New York; a view of the concourse at the Barajas International Airport, Madrid, Spain; and Vibia's Ameba Pendant Luminaire.



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# Lighting: Appliance or Application?

**On the daunting list** of pressing issues facing the United

States, where every item is a priority, the subject of energy surely must rank at the top. Energy, no matter its source—coal, oil, wind, hydro, or solar—influences every part of U.S. and international society, determining politics, economics, research, technology, and the environment.

The Obama administration, in its commitment to keep its campaign promises, has introduced an energy and climate bill within its first 100 days. The 600-page draft bill is built around the goal of reducing greenhouse gas emissions through what is being referred to as a “cap-and-trade” system. The proposed legislation calls on large-scale entities such as electric utilities, oil companies, and industrial manufacturers—who collectively contribute the largest amount to the nation’s carbon production—to reduce emissions to 3 percent below 2005 levels by 2012, and to 20 percent below 2005 levels by 2020. But details about this process of crediting and borrowing carbon offsets have not been made clear, and if this well-intended proposed legislation is to stand any chance of success, more concrete information is needed now rather than later.

While the larger picture is important, the early stages of this legislative process raise two critical questions: Where does lighting fit into the proposed energy legislation, and who is Washington consulting when it comes to lighting and lighting-related issues?

Upon closer examination of the proposed bill, lighting is one of several lesser-known items “buried” in the draft text, and is grouped with appliances mandated to meet new efficiency standards. Manufacturers that sell “best in class” energy-efficient appliances would be rewarded by financial incentives. Sounds good, right? No. Since when did lighting become an appliance like a washing machine or a dryer? Can a luminaire, with all its components and all its intricacies, be simplified this way, rather than being treated as an application and part of a larger system in buildings and infrastructure? I don’t think so.

Take for example outdoor lighting, a broad term that covers everything from roadways and parking lots to landscapes and stadium lighting. There are many issues at play—light trespass, glare, sky glow, and others. Organizations like the Illuminating Engineering Society (IES) have been working for decades, in more recent years alongside the International Dark Sky Association (IDA), to develop a system that could address all the nuances of outdoor lighting, from urban to rural settings. The most comprehensive outcome has been the creation of the Model Lighting Ordinance (MLO) to set forth guidelines for navigating outdoor lighting scenarios. The most recent draft, a 25-page document that

was open for public review and comment through April 10 at the IDA’s website, incorporates a new set of measurement criteria to account for lighting emitted from a fixture in all directions including backlight, uplight, and glare. In this context, how can outdoor lighting be reduced to the same standard as an appliance?

Compounding the issue is the political pressure to put a draft bill into play and pass the 2009 Energy Act before Congress breaks—only a few months away. To date, the lighting design community really has not been engaged at the political level. If ever there were a time for that to happen, it would be now. Organizations such as the International Association of Lighting Designers (IALD) and the IES, which represent lighting practitioners from both the design and engineering fields, should reconsider their organizational bylaws to more actively engage the political system.

And this engagement shouldn’t just stop with designers; all stakeholders must be fairly and equally represented at the table when it comes to drafting any legislation on lighting—manufacturers, electric utility companies, lighting research entities, government agencies, and public advocacy groups. Just as transparency is being demanded of our financial institutions, the same should be expected of the organizations, institutions, and regulatory agencies that are setting the rules and standards to which lighting designers and manufacturers will have to adhere. There’s too much at stake to leave this industry-defining law to those who are not familiar with lighting. The proposed legislation, with its treatment of lighting as an appliance, will have an impact well into future generations. It will establish building protocols and influence the lighting and energy marketplace for decades to come, and not necessarily in a good way.

Politicians cannot blindly regulate lighting. It is critical at this early stage in the drafting of new energy legislation to provide a logical, clear message. Enacting new energy policy cannot simply be about getting it done, as if it were an item on a checklist; it has to be about getting it done right. Otherwise, the nation will miss another opportunity to set forth a progressive energy policy that modernizes our electric grid and addresses global warming. The lighting community must step forward and help set the course for this 21st century defining issue.

ELIZABETH DONOFF  
EDITOR

SPENCER LUM

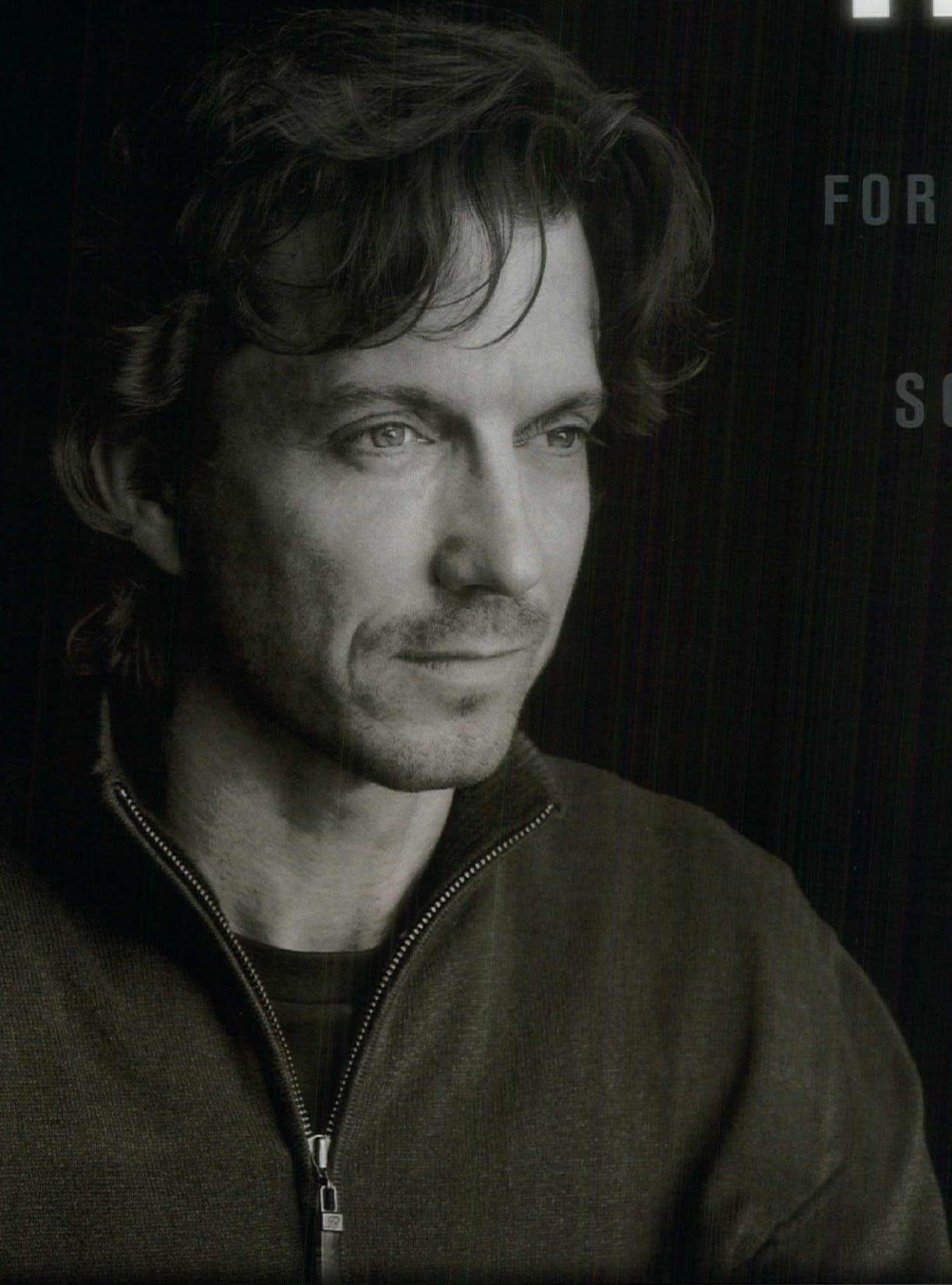
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# Divine Inspiration



Montreal-based BCK Design's proposal to illuminate the façade of the Gesù features a yellowish glow resembling a candle flame created by LEDs around the theater entrance, but uses mostly white light to accent the church. The designers were inspired by the building's history and wanted to highlight its dual functions as a church and a theater.

Three Montreal designers won a competition outlining ideas to illuminate the façade of the Gesù, a church built in 1865 that now houses the oldest operating performance hall in Quebec. Mathieu Koch, David-Alexandre Côté, and Steve Blanchette of BCK Design received \$10,000 for their proposed design, titled *Rencontre sur les marches de l'église*, or, roughly translated, "Meeting at the steps of the church."

Organized by the Quartier des spectacles Partnership, the Gesù, and Design Montreal, the contest attracted 37 entries from a variety of designers, including students, from all over the world. Participants were asked to express the artistic and cultural vocation of the Gesù through a lighting design concept while also honoring the building's history. Submissions were evaluated on the following criteria: the concept's ability to highlight the heritage of the Gesù; the degree to which the concept communicates the Gesù's identity and presence within the broader context of the Quartier des spectacles (an area in downtown Montreal that is home to 30 performance halls and numerous other cultural venues); and the innovative and aesthetic qualities of the project and the experience created by the installation.

Koch, Côté, and Blanchette found inspiration in the history of the Gesù. The

designers wanted to create a lighting design that took a respectful approach to highlighting and distinguishing between the church and the theater—the two primary uses of the building. "Our proposed lighting solution for the religious and cultural facilities ... is based on the dual functions that have been defined decades ago by the institution," the proposal reads. The entrance to the theater is carved into the curve of the front staircase of the church. The proposed design calls for perforated sheet metal that is backlit by LEDs emitting a warm glow, similar to the flame of a candle. Proximity sensors modulate the color and lighting intensity of the installation according to the movement of passers-by.

In contrast, the lighting concept for the church façade includes mostly white light, but is "enhanced in strategic locations by an amber color; a symbol of spirituality, intelligence, and strength," according to the proposal. Now that the design competition is complete and lighting design concepts have been suggested, dialogue is slated to continue until the necessary funds and architectural components are in place. Additional information on the competition and the submitted design proposals can be found at [quartierdesspectacles.com](http://quartierdesspectacles.com).

In January, the International Association of Lighting Designers (IALD) invited its 800 members to participate in an online economic impact survey to determine how they're being affected by the current financial crisis. Approximately 178 people responded to the 12-question survey, which asked about layoffs and other cuts, the greatest challenges lighting designers face in the current business climate, and their outlook for the remainder of 2009 and beyond.

Seventy-five percent of all respondents indicated that the economy was having either a strong negative or slight negative impact on their business. Eleven percent of respondents reported a positive impact, and 14 percent indicated no change at all.

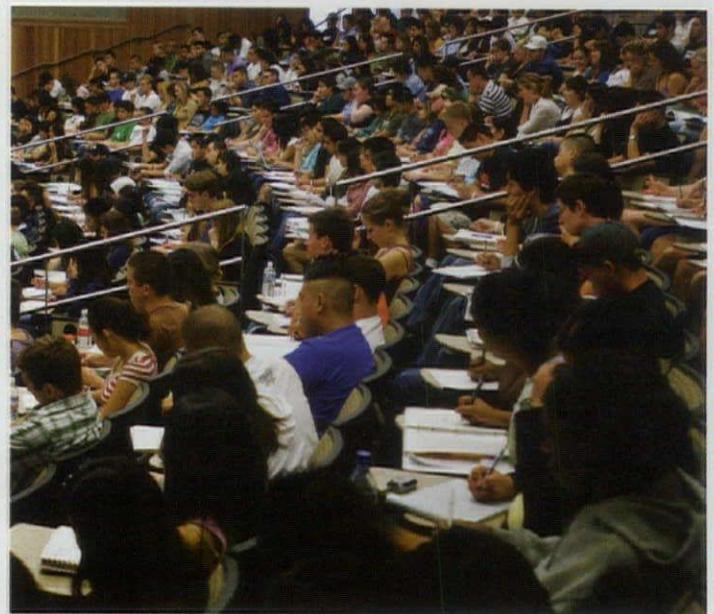
Of those who reported a negative impact on their firms, 53 percent indicated their reactions have ranged from more prudent spending to budget cuts and hiring freezes. By contrast, 29 percent have not had to

## IALD RELEASES ECONOMIC IMPACT SURVEY

implement any cost-saving measures. And unlike the many architecture firms that have had to make drastic personnel cuts, lighting design firms have been relatively unaffected. Overall, only 15 percent of respondents indicated staff layoffs at the administrative and junior-designer levels.

The top reported challenges for 2009 are finding new work (46 percent) and collecting payments owed (37 percent). But despite the difficult economic times, which respondents expect to last at least 12 months, the optimists (50 percent) are slightly ahead of the pessimists (46 percent). In a statement, IALD executive vice president Marsha Turner noted, "Significantly, it's not all doom and gloom. There is a lot of trepidation—understandably—but there is definite optimism that comes through in the feedback." Full survey results are available at [iald.org](http://iald.org). ELIZABETH DONOFF

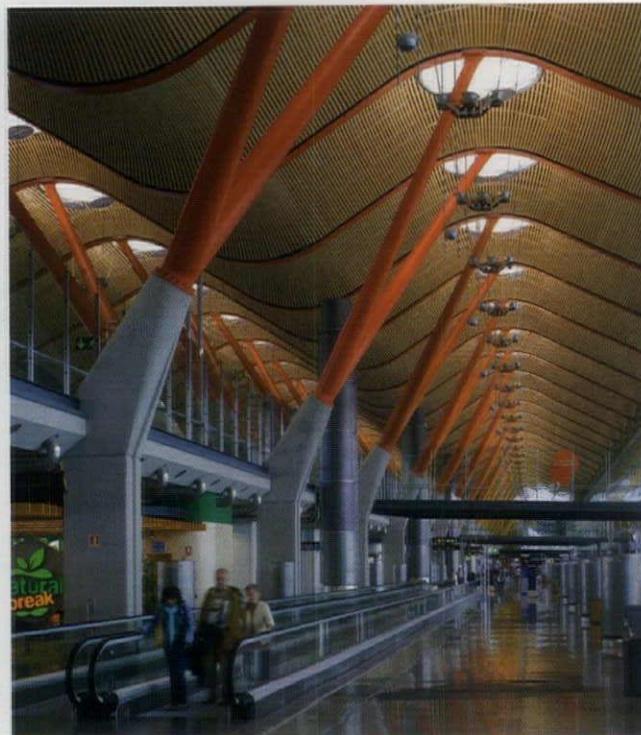
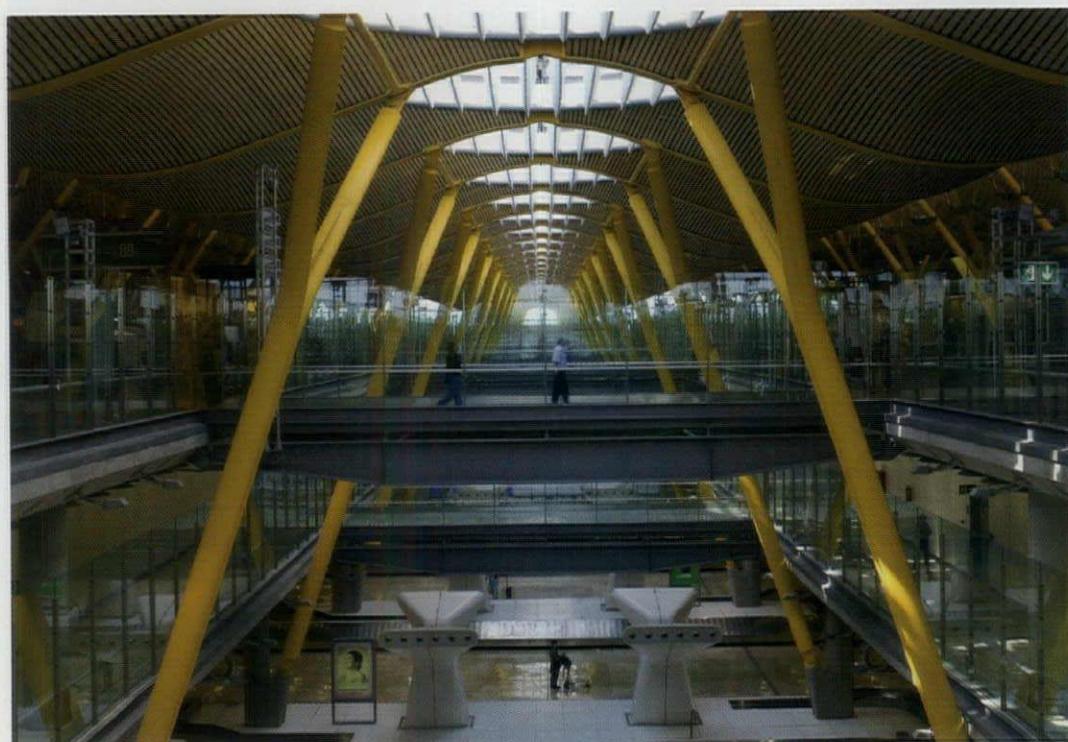
## Lecture, In Memoriam



The California Lighting Technology Center (CLTC) recently established the Don Aumann Memorial Lecture in Lighting Efficiency. Don Aumann, who died suddenly in 2007, was an influential part of the team at the CLTC. The lecture committee is seeking nominations for speakers at the event, which the CLTC hopes to hold annually. Speakers can include researchers, advocates, and design professionals who have demonstrated leadership and accomplishment in energy efficiency and lighting. The event will be held at the University of California, Davis (above). There is no set date for the first lecture, as it will occur depending on the availability of the speaker who is selected. To nominate a speaker, contact CLTC outreach director Kelly Cunningham at [kcunning@ucdavis.edu](mailto:kcunning@ucdavis.edu).

# HAPPY LANDINGS

MADRID AIRPORT'S TERMINAL 4 MAY BE HIGH-TECH, ARCHITECTURALLY, BUT THE EFFECT IS HUMANE



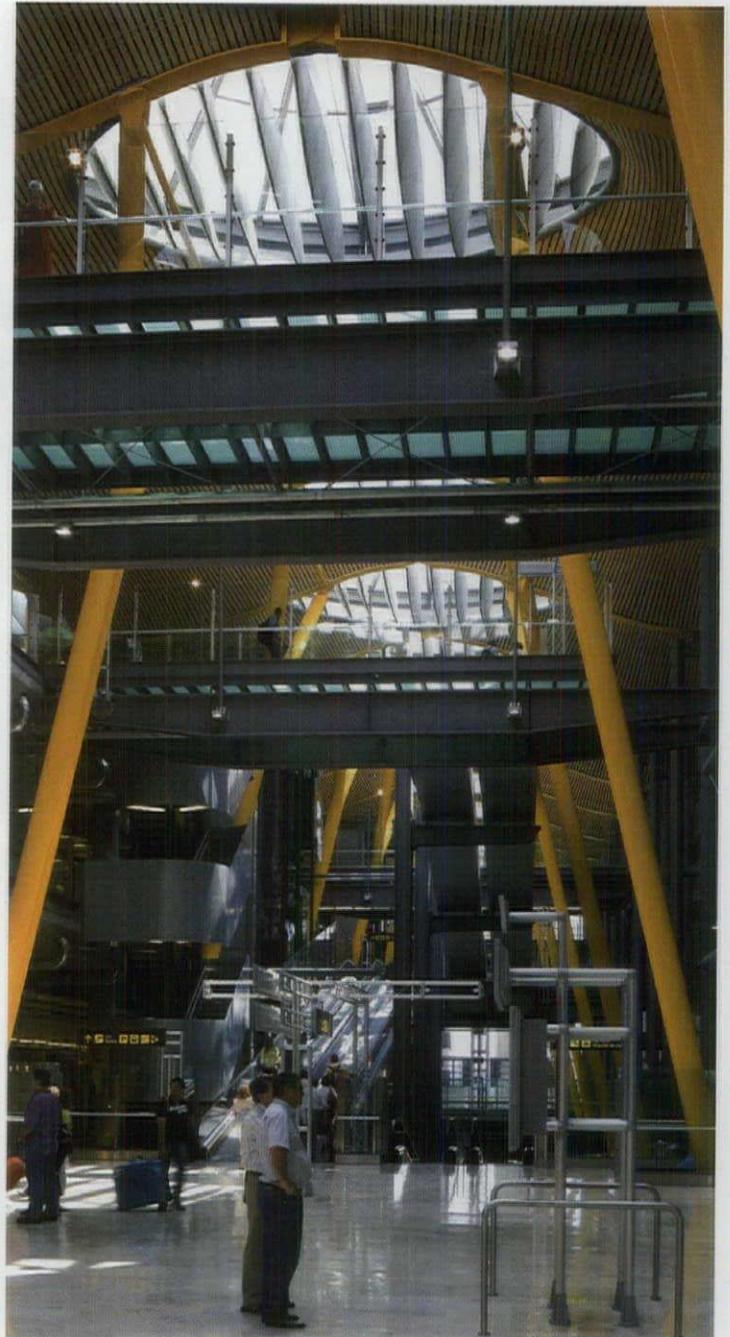
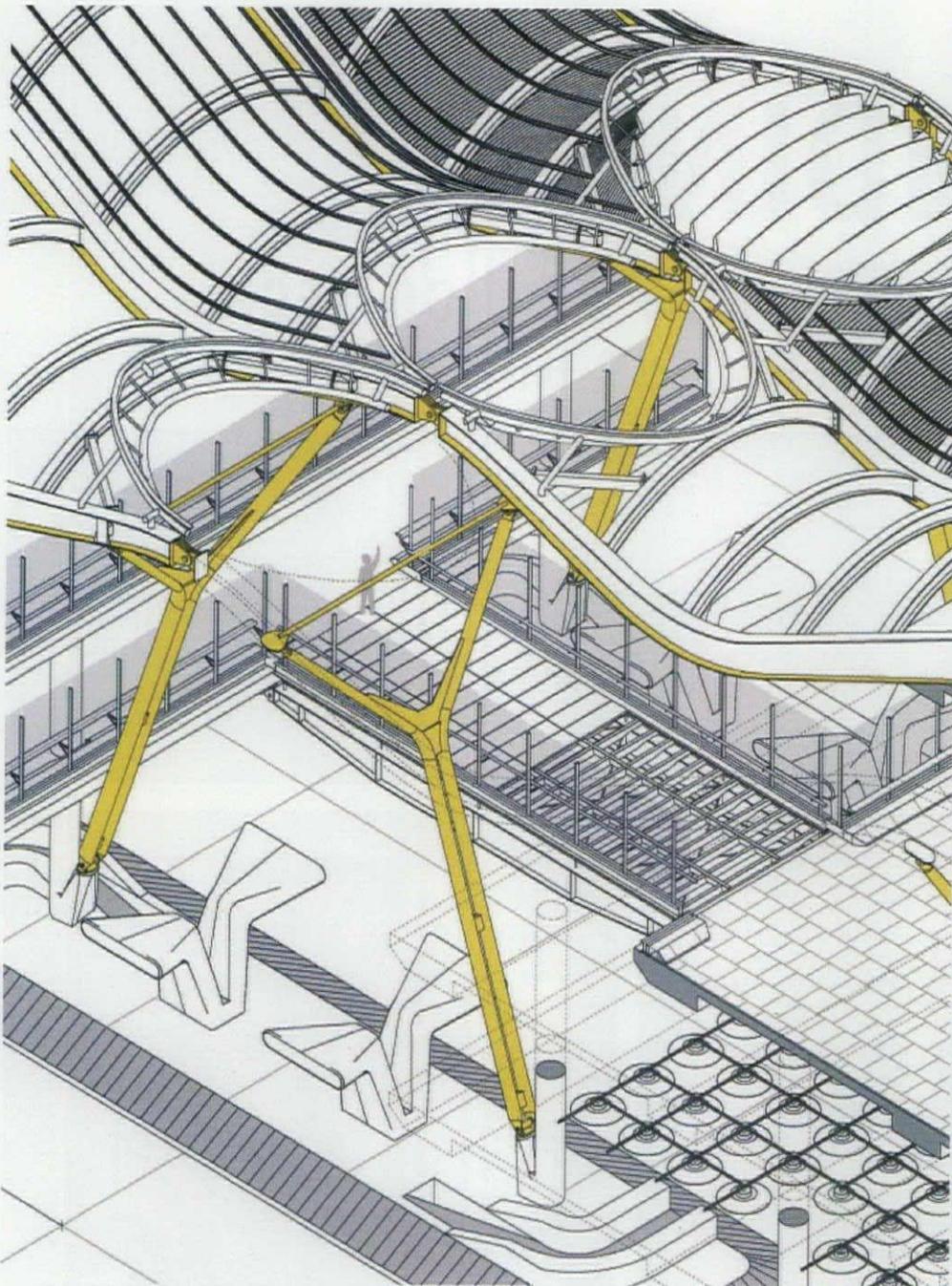
Architect Richard Rogers avoided monotony in the three-quarter-mile-long terminal (top) by painting the steel columns in a graduated rainbow of color that supports wayfinding in the main concourse (above right). In ticketing and security areas (above left), the columns are an international safety yellow.

Baggage handlers and air traffic controllers know Madrid Barajas International Airport by the semantically loaded abbreviation MAD, but there's actually something soothing about the airport's new Terminal 4. Heaven knows there's little sanity to be had in air travel these days. Planes are so cramped they make steerage accommodations on a 19th century ocean liner look luxurious. Security has supplanted service as the byword of airport customer relations. And at most international terminals, the term "port of entry" doesn't suggest the act of arrival so much as a cavity search.

In this brutal context, Terminal 4 comes as a revelation of humane placemaking, realized through high-tech design. The hub for Iberia Airlines and its Oneworld Alliance partners, such as American Airlines, British Airlines, and Quantas, Terminal 4 was designed by the London-based Richard Rogers Partnership (now Rogers Stirk Harbour + Partners) with local architect Estudio Lamela and U.K. lighting consultants Speirs and Major Associates.

Terminal 4 opened in 2006; it was designed to double the airport's capacity, to an anticipated 50 million passengers per annum by 2050. Most airport authorities deal with growth through accretion, the result, as at many hospitals, being complexes of mind-boggling density and disorder. Rogers, however, is famous as a high-tech pioneer, and at Terminal 4 he enforced strict adherence to the modernist trope of form follows function. The complex is laid out as a sequence of parallel linear volumes, subdivided into a main building and a satellite that are separated by several hundred feet of tarmac and linked by an underground train. The volumes clearly correspond to the different moments in the passenger arrival and departure processes, and light and color act as organizing devices throughout.

There are six parallel volumes in total—three short and one long in the main building, and one short and one long in the satellite. Despite their differences in length, the volumes have the same basic structure: Rows of canted Y-form columns support a



The undulating roof canopy at Terminal 4 is a complex assemblage of modular components (above left), supported by canted Y-form columns. Skylights admit daylight into the terminal interiors (above), which are crisscrossed by catwalks with glass pavers. Translucent ETFE louvers in the skylights help to distribute the daylight evenly through the space.

continuous roof canopy. The structural modularity isn't monotonous. The canopy, a dominant visual element through much of the interior, billows and ripples in gentle response to the subdivisions of structure, space, and program below; its form connotes flight without succumbing to clichés about airplane wings and tail fins.

In every bay, the canopy's bamboo-clad ceiling parts to make way for oculi that admit daylight through translucent ETFE plastic louvers. Beneath certain oculi, Speirs and Major suspended three metal halide projectors focused on two-directional mirror reflectors, supplementing the sun on overcast days. The canopy resolves itself on the exterior as a scalloped overhang, which provides shade during the intense Madrid summers with assistance from canted steel louvers along the glass façades.

Along the three-quarter-mile length of the two longer volumes, the Y-form columns that support the roof canopy are painted in a graduated spectrum of colors, shifting from blue at one end, through green, yellow, and orange, to red at the other end. The columns' chromatic scale plays like the song "Chopsticks" across the façades and along the interiors, reinforcing the significance of light to the project while imparting a subtle sense of place and rhythmic movement that would be absent from a monotone colonnade.

Rogers houses the main airport operations beneath the canopies in open, multi-story structures of exposed concrete. Wells between each structure transfer daylight to the lower levels and demarcate different zones in the arrival and departure sequence.

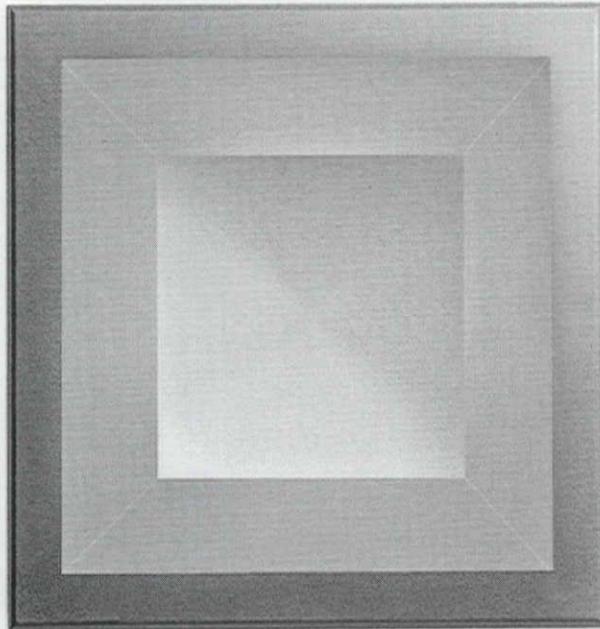
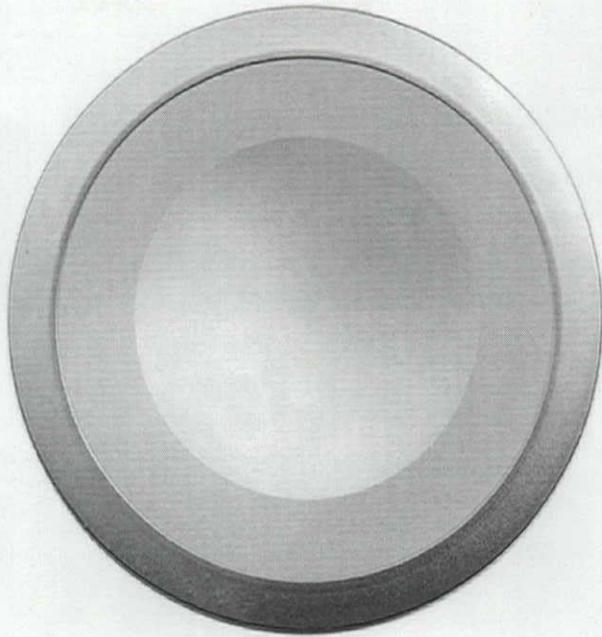
Glass-walled elevators and catwalks with glass pavers make connections between the various zones and levels, without inhibiting the distribution of daylight.

The underside of each slab is lined with custom luminaires with a saucer-like form that the designers charmingly call "The Wok" and that neatly echoes the geometry of the oculi. The luminaires, aligned on a grid, take the place of a conventional suspended ceiling, and the gaps between the circular fixtures afford glimpses of the concrete slab and metal ductwork and conduit above—a classic Rogers high-tech peekaboo effect.

If Rogers has a shtick, it is the sometimes playful, sometimes fetishistic exposure of technology as a kit of parts. Certain design features at Terminal 4, the saucer lights and glass-walled elevators, for instance, have made appearances in earlier projects, such as his 1986 Lloyd's of London tower. But where Lloyd's is a celebration of technology for its own sake, with the same kind of shiny attractiveness that adolescent boys find in anime and Xbox, Terminal 4 is a far more gentle place, thanks in large part to the quality and temperament of its natural and electric lighting.

Rogers' ambitions for architecture seem to have evolved over time. Not that he has lost the modernist faith in technology. Instead, he is putting technology to work for people. Le Corbusier's old adage, "*la maison est une machine à habiter*"—the house is a machine for living—still applies. What's changed at Terminal 4 is not the definition of building as machine, but the relationship between machine and life. **NED CRAMER**

DAVID WONG



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\* Late Entry Fee Applies per project submission

# The Pursuit of Passion



**THERE ARE NO HARD NUMBERS ON HOW MANY MINORITY LIGHTING DESIGNERS ARE PRACTICING, BUT ONE THING'S FOR SURE: THE CURRENT NUMBER ISN'T ENOUGH**

## EARLY EXPOSURE AND A STRONGER OUTREACH EFFORT ARE NECESSARY TO ATTRACT MORE MINORITY TALENT TO THE LIGHTING DESIGN PROFESSION. CURRENTLY, OF THE 38 STUDENTS ENROLLED IN THIS YEAR'S GRADUATE LIGHTING PROGRAM AT PARSONS THE NEW SCHOOL FOR DESIGN, NONE ARE BLACK OR HISPANIC, AND THREE ARE ASIAN-AMERICAN.

**Tanya Hernandez says she gets the same reaction** when she meets a new project team: "that surprised look." Hernandez is the principal of Durham, N.C.-based HART Design Group, a lighting designer, an engineer, and a black woman. "People kind of look over me assuming I'm not the person I am. So I'm really good at introducing myself, with a smile."

"When I go to a meeting, I am the only black person in the room," notes lighting designer Edward Bartholomew, who runs the Integrated Design Lab in the department of architecture at the University of Washington campus in Seattle. "You're clearly aware of it, but you don't want to draw too much attention to it."

"Sometimes I get over-welcomed because I'm this token of diversity," says Carlos Inclán, a Hispanic lighting designer at Portland, Ore.-based engineering firm GLUMAC. While Hernandez, Bartholomew, and Inclán say they often are the only minorities in meetings, no one knows just how many minorities are employed in the U.S. lighting profession. "Maybe 100?" Bartholomew guesses. "That's just from going to Lightfair and looking around."

### DO THE RIGHT THING

Lightfair attracts close to 20,000 people annually. If the hard numbers reflect the isolation these designers describe, the stats make a clear case for better recruitment of minorities. But no numbers exist because none of the industry associations track demographics. "The profession of architectural lighting is relatively young," notes Marsha Turner, executive vice president of the International Association of Lighting Designers (IALD). "Ethnic diversity has not been an issue or concern because it's a fairly small niche profession." Also, the IALD's membership is international, and "it's hard to talk about minorities without being U.S.-centric," says communications manager Jennifer Jones.

Based in the U.S., the Illuminating Engineering Society of North America also defers from asking its members about race. "We have never tracked it. And I think that's a plus," says executive vice president Bill Hanley. "I think it's politically correct not to ask people. It might have been more of a concern 20 years ago."

But today's minority lighting designers might disagree. "I still feel like a pioneer, and I thought I wouldn't have to feel that way after a while," Hernandez says. Aside from a sense of isolation, she and other designers voice concern over the viability of a homogenous field. "It's like having a limited gene pool," Bartholomew says. "The same thing with ideas. As a profession we need to evolve. We can only evolve by having diverse ideas, diverse passions, interests, and values. It makes us stronger."

"People from different cultures have different things to bring to the table," notes Inclán, whose contributions as a Mexico-born designer range from a familiarity with the metric system to an understanding of how sustainability and economy work hand in hand—an especially valuable tool in an economic downturn. Rodrigo Manriquez is the lighting design studio leader at SmithGroup in Detroit and a Chilean-American. "I

don't see my talents being what's valuable [about me as an employee]," he explains. "I see [my value as] my different way of looking at the same thing."

### ENCOURAGING PARTICIPATION

Manriquez, who helps select new hires for SmithGroup's lighting studio, says few minority candidates apply. That's no surprise, given the demographics at the two U.S. schools that offer graduate-level lighting degrees. At Rensselaer Polytechnic Institute, 10 students are working toward a Master of Science in lighting; none are black, one is Asian-American, and one is Hispanic. And of the 45 students total in either the master's or Ph.D. Architectural Sciences programs with a concentration in lighting, one is black, one is Asian-American, and one is Hispanic. The numbers don't differ much at Parsons the New School for Design: Of the 38 students enrolled in the graduate lighting design program, none are black or Hispanic, and only three are Asian-American. In 2007, Parsons began an initiative to diversify its curriculum, improve financial aid, and attract a more diverse pool of high school students. "Our approach is comprehensive, so we see student recruitment tied directly to faculty recruitment, curricular shifts, teaching methods, and our relationships to communities of color in New York City and around the U.S.," says Jesse Villalobos, coordinator of the Parsons Diversity Initiative.

One of the reasons that few minorities are drawn to the lighting profession may be that, in general, the profession is relatively unknown, especially compared with parallel careers in architecture and engineering. But Bartholomew points out that, because of its specialty nature, architectural lighting is "more stable" and "less rarefied" than those disciplines. "There are great career options in this field," he says. "The IALD should step up. There should be a stronger effort to reach out, especially to historically black colleges and black engineering schools."

Corporations and manufacturers also can help. For example, GE—whose total workforce in 2007 was made up of 24 percent minority employees—works with minority organizations to offer science and engineering scholarships. This February, a specialty public high school where GE employees teach opened on GE's Nela Park campus in Cleveland. The school's 82 students—72 percent of whom are black—study and work in GE's facilities, including the Lighting & Electric Institute.

Bartholomew, who grew up in South Central Los Angeles, says that kind of early exposure can make all the difference. He recalls standing out as a good student and being encouraged to pursue a career in the post office. Today, he has a job that he loves and thinks about all the time. "It's important for students to see [people who enjoy their work]. It can be part of their life and [provide] the kind of passion they would normally see in a basketball player or a rapper. Having a job that's your passion—wow, that's beyond anything I could have dreamed of when I was growing up." **HANNAH MCCANN**

*Hannah McCann is an editor at large for ARCHITECT magazine.*

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# Elizabeth Arden, New York

**CHALLENGE:** TO ILLUMINATE A NARROW SPACE FEATURING A DISTINCTIVE CURVED 14-FOOT-TALL WALL OF RED LACQUERED PLATE STEEL WHILE ENSURING THAT THE RED DOES NOT OVERPOWER THE RETAIL VENUE

**Project** Elizabeth Arden on Fifth Avenue, New York **Design Team** Highland Associates, New York (architect); RS Lighting Design, New York (lighting designer) **Project Size** 900 square feet

**Images** Courtesy of Elizabeth Arden **Manufacturers** Bartco Lighting, Legion Lighting, Lutron, Mark Architectural Lighting, Philips Color Kinetics, RSA Lighting



Fabricated from factory-bent steel with a glossy finish, the curving red wall is the store's boldest architectural statement. In the ceiling, a curving band of light from 50W Biax lamps flows with the wall. The width of the curving backlit cavity was an important element in preventing the store, its contents, and its customers from appearing red.



The incandescent chandelier hanging in the back of the Elizabeth Arden flagship store on Fifth Avenue in New York is a vintage luminaire discovered by the store owners. It is meant to be a visual highlight in the narrow space. To make the company's products visually pop off the shelves, the lighting designers specified warm white LED linear case lights with a color temperature of 3000K.

**SOLUTION** Elizabeth Arden's signature color is red, so it's fitting that a red door has welcomed visitors into the flagship store on Fifth Avenue in New York since 1930. In the newly remodeled 900-square-foot space, an eye-catching 14-foot-tall red-lacquered plate-steel wall now curves through the narrow volume. With such a bold use of color, it was important to make sure everything else in the store—including employees and customers—didn't end up bathed in a red hue. Moreover, the lighting consultant, Randy Sabedra of RS Lighting Design in New York, wanted to keep the lighting design minimal. "I'm sure there was some apprehension from the owners and architect that we weren't doing 'normal' stuff," he says, such as using more standard, traditional fixtures. "But it shows visually in the space and works really well."

"We came up with the idea that we'd have a lighting solution that featured the red wall but gave white light into the space," Sabedra says. "That's where the backlit lens cavity came into play." Following the curve of the red-lacquered wall, the cavity is approximately 18 inches deep and 12 inches wide, and it incorporates 50W Biax lamps positioned about 1 foot above a diffused membrane. Sabedra says an early challenge of the lighting design was ensuring that the cavity was appropriate for the space and that it allowed the lamps to deliver direct white light.

An overscaled cabinet to the left of the store entrance was designed to contain active video and ad campaigns. "At some point we realized the potential for it being too visually loud, so [the active video] turned into static background graphics," Sabedra

notes. To illuminate the cabinet, he designed parallel rows of square open accent lights with single and double 75W AR111 lamps.

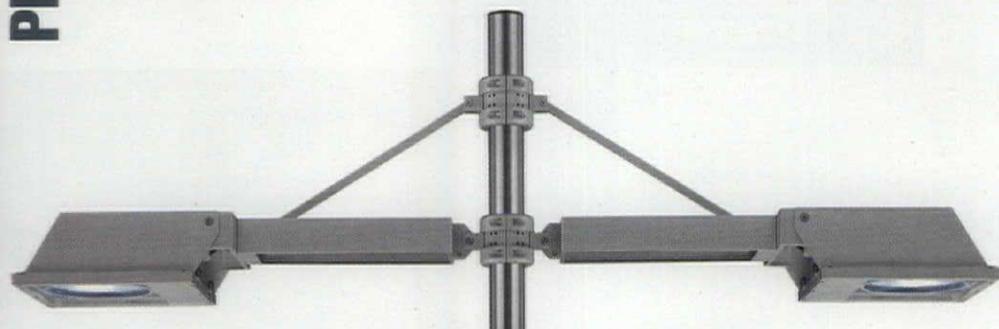
Flanking the mirrors at the make stations are vertical linear fixtures featuring frosted glass with a T5 lensed lamp to create diffused light. "It was key that there was soft diffused lighting to highlight the faces," Sabedra says. Also, some of the accent lights above the stations—65W MR16 lamps arranged in a radial pattern—are aimed toward the customer sitting in the chair, providing additional lighting.

While ads along the walls are backlit with T5 fluorescent lamps, Sabedra nixed the fluorescent system originally planned to illuminate the product shelf display niches after seeing a mock-up. The manufacturer happened to have an LED linear case light on hand. "When we plugged it in, it fit perfectly and the color was beautiful," Sabedra says. The owners loved the 3000K warm white LEDs, each of which has a lens to redirect the light cleanly and ensure that the color does not shift.

The back of the store, near the Red Door Spa entrance, features a vintage chandelier—a subtle reminder that Elizabeth Arden has been at this location for more than 75 years. Found on a shopping trip by the store owners, the incandescent crystal chandelier has the sparkle and scale Sabedra was after. "The primary goal of the chandelier was to be a visual highlight at the end of the store," he says, noting that the luminaire achieves its purpose amid the store's minimal yet striking lighting design. "Everywhere you look something catches your eye and seduces your senses." **JENNIFER LASH**

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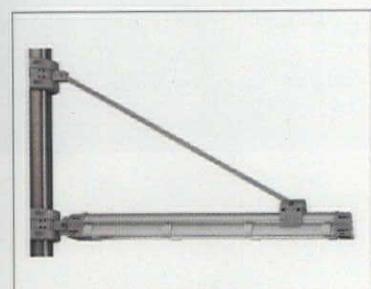
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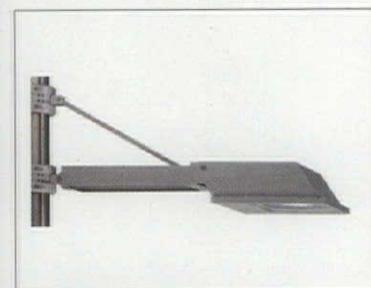
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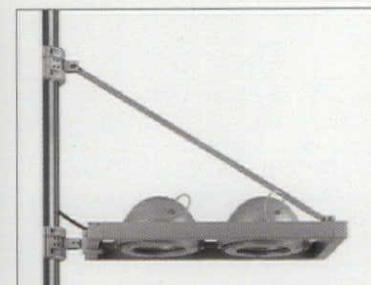
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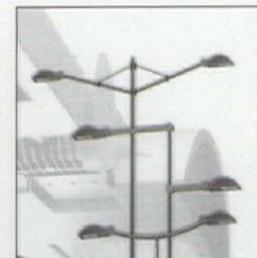
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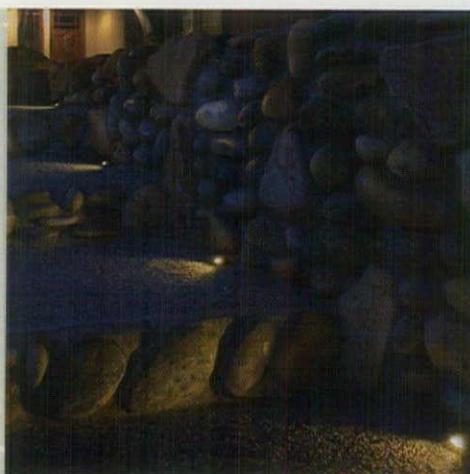
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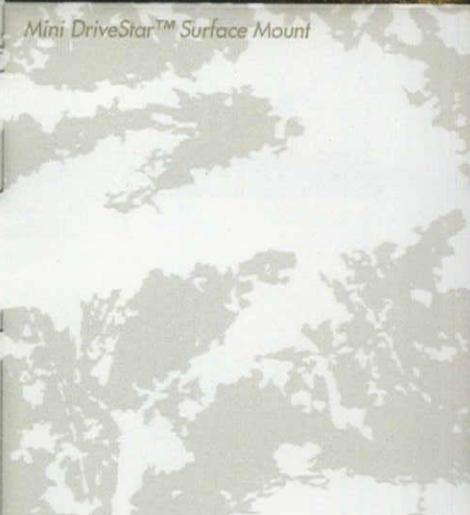
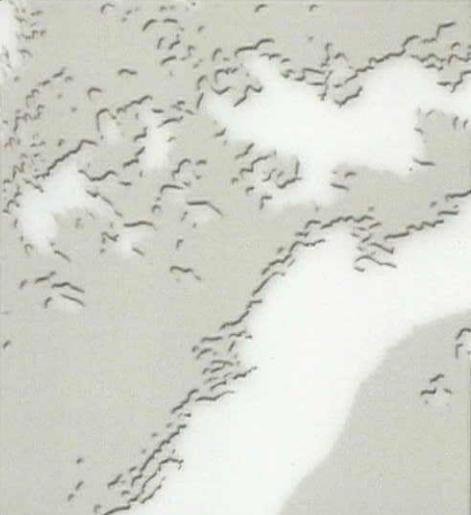
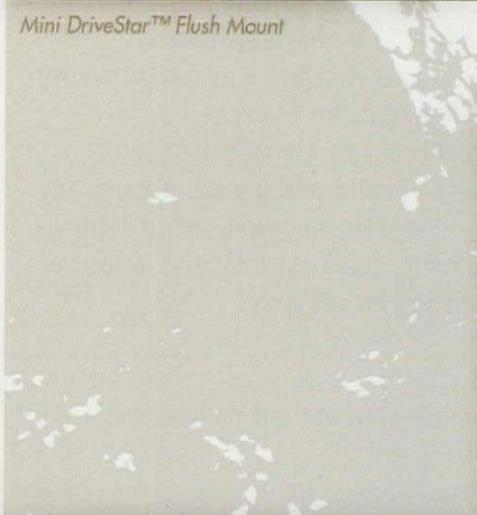
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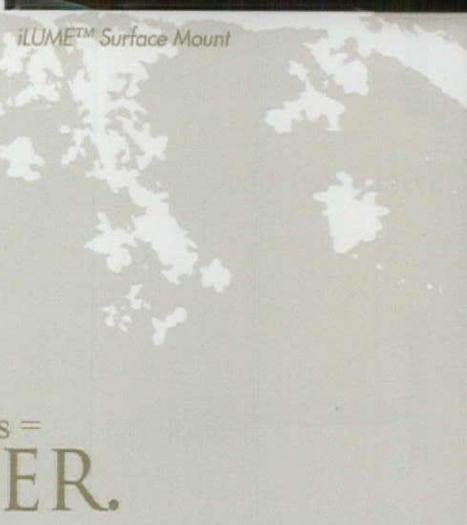
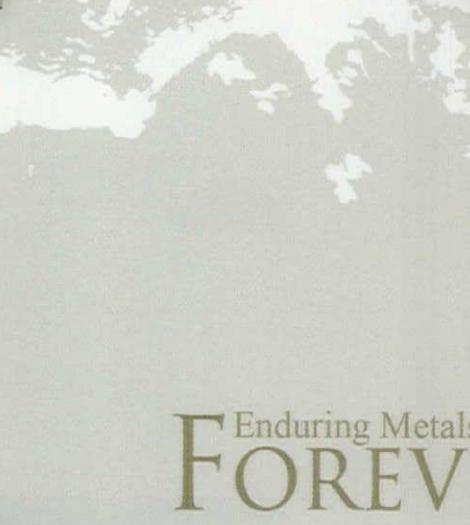
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# Survival of the Fittest

**IN TODAY'S ECONOMY, LIGHTING DESIGNERS ARE FIGHTING TO KEEP CURRENT CLIENTS, ATTRACT NEW WORK, AND KEEP THEIR PRACTICES AND CAREERS THRIVING. THE KEY TO SURVIVAL? FLEXIBILITY.**

## MANY LIGHTING DESIGNERS ARE EMPLOYING A FLEXIBLE APPROACH WHEN IT COMES TO BUSINESS SURVIVAL STRATEGIES. FOLLOWING THE ECONOMIC DOWNTURN, BUDGETS FOR DESIGN AND CONSTRUCTION ARE IN FAR SHORTER SUPPLY THAN IN PREVIOUS YEARS, AND EVERY POTENTIAL CLIENT IS LOOKING TO SPEND THEIR RESOURCES ECONOMICALLY AND EFFICIENTLY.

**The key to survival** for architectural lighting firms in the most alarming economy since the Great Depression is flexibility in every aspect of one's practice—from business structure to design approach.

Adapting—whether it means working on only the design phases of a project and not overseeing build-out, developing an alternative fee structure, exploring a new market, or the ability to change and think in terms of both short- and long-term timelines—is the key to many an architect and lighting designer's business survival strategy in 2009. "If somebody on the street asked me what I do, I'd say I'm a designer. But really, I'm a service provider," says Mitchell B. Kohn, whose solo lighting design practice is based in Highland Park, Ill.

### WORK IS WORK

Budgets for design and construction are far tighter than in previous years, and every potential client is looking to spend what resources they have left economically and efficiently. "[Clients] expect the same quality [work], but they don't want to pay," says Janet Nolan, owner of J.S. Nolan + Associates Lighting Design in San Francisco. "Everybody wants a deal. And as much as we may not like it, it is the reality right now."

There is widespread hope on the part of the architectural and lighting design communities that with the Obama administration unleashing some \$787 billion in stimulus money, some of those new New Deal dollars could find their way to design firms. But much of the work in the pipeline that lighting designers will see in the years to come will most likely be the result of renovation, expansion, and updating the energy efficiency of buildings, says Nancy Kleppel of New York-based business consultancy Nancy Kleppel Consulting. Kleppel—who has been involved in the architecture profession for more than 20 years—and her firm tend to offer their business consulting services to design firms. "It's going to become a bigger chunk of available work," Kleppel says. "And that's not a bad thing, since it's work that will benefit us all."

Kleppel encourages architects and lighting designers to position themselves to capture jobs that, while not necessarily the most glamorous, do provide a steady cash flow. For example, she recently advised an architect just starting out that a replacement window project was precisely the type of work to get a foot in the door and start building a relationship with a client that could lead to repeat business and larger-scale projects. "Now more than ever people are open to [commissions they might not have previously considered] because they need the income," Kleppel says. "Whoever you are, wherever you're from, I don't think anybody should be too proud to take those jobs when they're relevant."

### EXPAND YOUR SERVICE AREA, AND YOUR SCOPE OF SERVICES

Some firms, such as Marina del Ray, Calif.-based Integrated Lighting Design (ILD), achieve flexibility through geographic diversity. With more than 20 years experi-

ence, principal Babu Shankar has overseen projects in the United States, India, China, Japan, Malaysia, and the Philippines. While the financial downturn has hit economies all over the globe, having an international practice means Shankar's firm sees more potential business opportunities, allowing it to have greater latitude than firms only operating in one market or one country. "If one place falls, the other place picks up, and so on," Shankar explains.

ILD's project portfolio currently includes 70 percent hotel and hospitality work, 20 percent retail, and 10 percent high-end residential, which in the past few years has been a component of many new hotel campuses. Shankar observes that hospitality work is starting to dry up and is worried about the second half of 2009. Like most architects, he's had some projects canceled and others put on hold or delayed.

But Shankar remains optimistic. Despite the economic turmoil, he still has clients who believe now is an opportune time to build—as long as they have the financing. "I've gotten two projects where people feel it's a good time to build because everybody is hungrier and they can get better pricing," he notes.

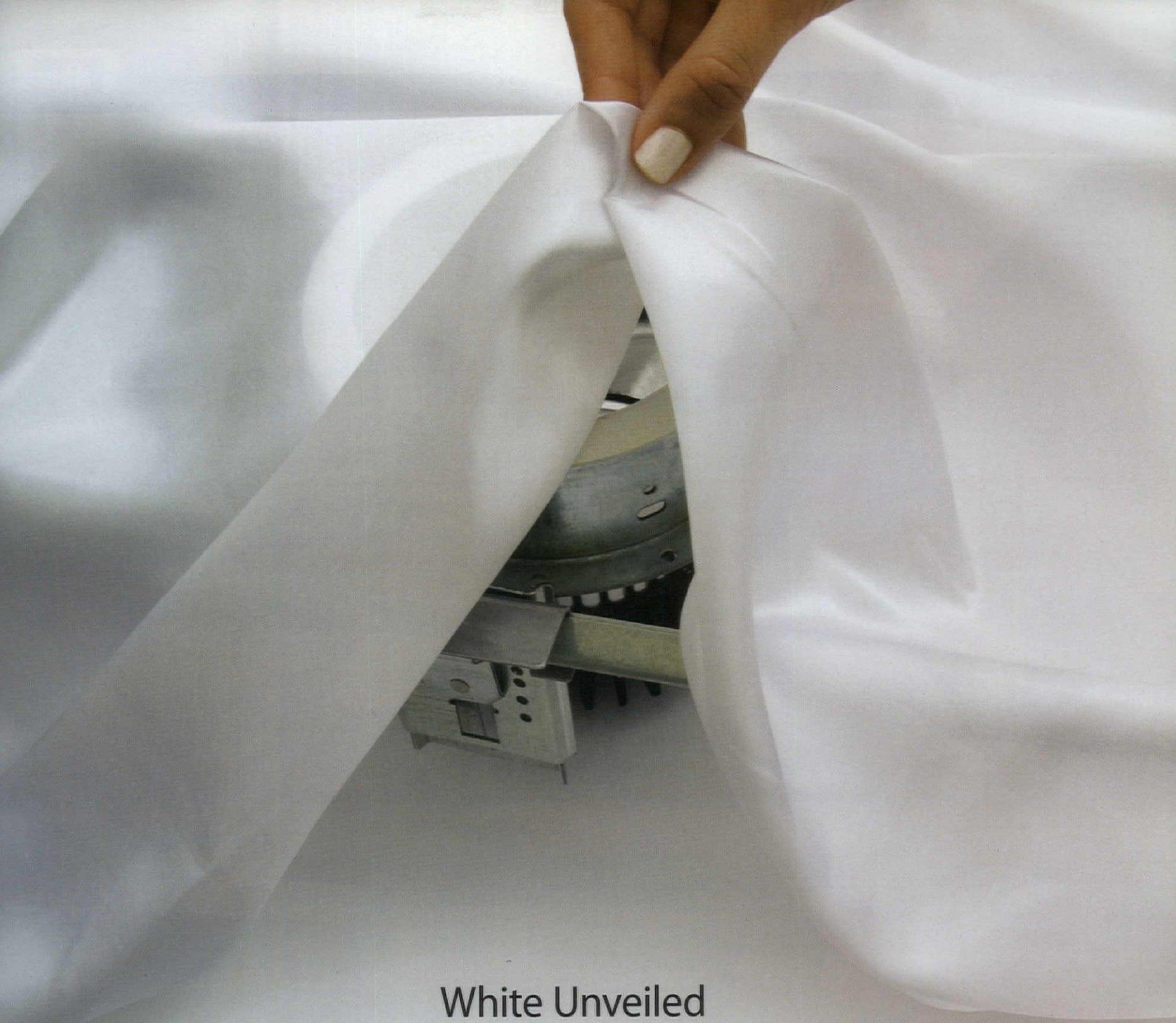
Lighting design firm Available Light, which has offices in Boston and New York, is structured into three areas of business: architectural lighting, museum exhibition design, and corporate communications lighting (mainly for trade shows). Diversification in three different markets gives Available Light great flexibility, and also improves its design services. "A lot of what we learn about high-tech lighting—what's the latest in the industry—has come from the trade show work, which then feeds its way into the architecture, museum, and theatrical work," says company owner and lighting designer Steven Rosen.

### FOSTER CLIENT RELATIONSHIPS

For Rosen, Kohn, and others, another key to surviving these turbulent times—both in terms of obtaining new projects and maintaining professional ties—is networking and keeping up with old clients. Attracting new business is always welcome, but in a time when finding new work is difficult, it's important for lighting design firms to realize that they need to work just as hard to keep the business they already have. Cultivating relationships with the current client base can go a long way, and staying on top of projects and what clients are doing is essential to gain momentum in this economy.

If anything, these economic times require not just flexibility, but tenacity. "It's a little bit of forecasting—keeping a chart of who said they've got such and such a project and they'll need me at some point in the future," Kohn explains. "Then it's [about the follow-up]—a phone call saying, 'You mentioned a project a couple of months ago, are you working on it?'" **ETHAN BUTTERFIELD**

*Ethan Butterfield is a Washington, D.C.-based journalist who has written for BUILDER, ARCHITECT, and other publications.*

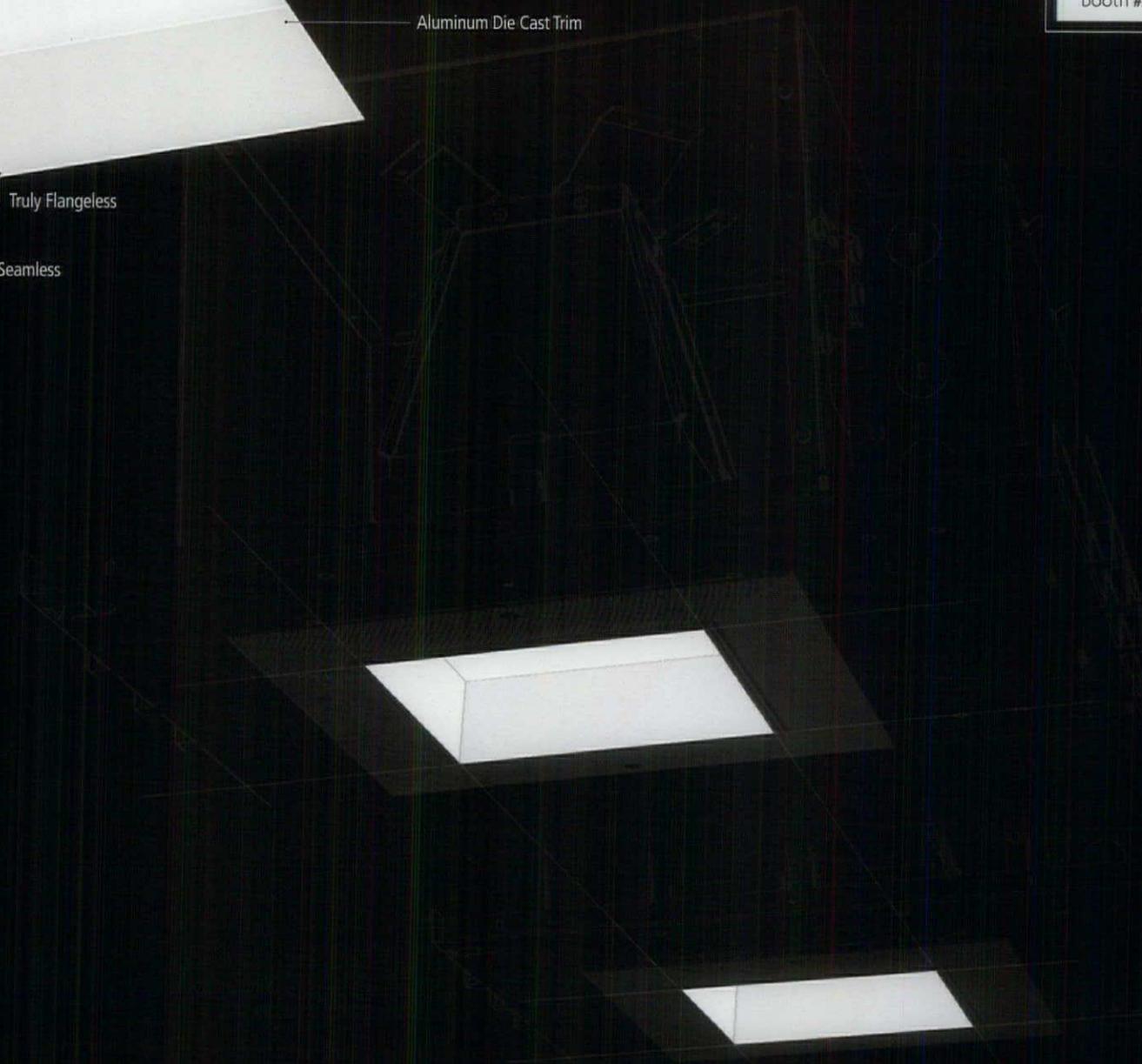
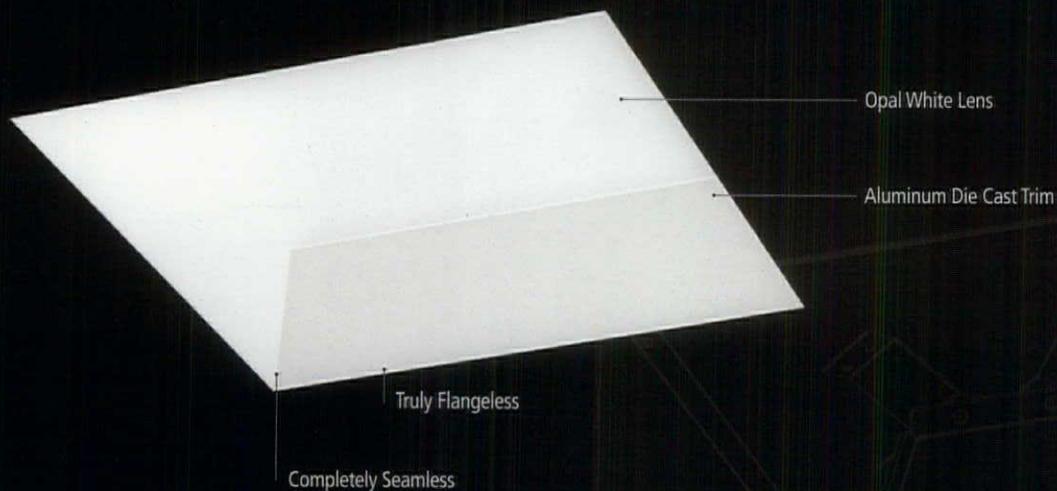


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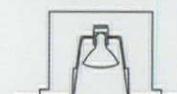
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### SQUARE OFFERING



### ROUND OFFERING



### AVAILABLE LAMPS



# Home Run

## JIM BENYA DISCUSSES RESIDENTIAL LIGHTING CONTROLS

**When it comes to lighting controls**, residential lighting always has been a leader. Largely because of the straightforward control functions associated with homes, the flexibility, ease of use, and reliability of home dimming systems often are better than the best commercial lighting control systems. Long before computer-based systems could manage commercial buildings with advanced dimming functions like scene controls, home systems already were capable of creating whole-house scenes with the push of a button.

Considering the benefits of even a modest level of integration and connectivity, lighting control design should be looked at as a system, not as individual components. As residential lighting systems are planned, controls should be planned, too. This enables informed design and budget choices early enough in the process to allow major construction planning and electrical rough-in.

There are three ways to approach residential lighting controls:

- *Manual switching and dimming.* While the basic concepts of switching and dimming using wallbox devices haven't changed much since the invention of the dimmer, the equipment has. Recognizing the wide range of styles, contemporary devices are now designed to fit any décor. Other improvements include multilocation dimming and the ability to control light sources ranging from incandescent to state-of-the-art low-voltage, fluorescent, and LED.

- *Whole-house integrated lighting control system.* Although these systems often are expensive, they remain popular in the high-end residential market. Their ease of integration with HVAC, home theater and entertainment, and energy management systems helped to create the residential home theater and low-voltage industry.

- *A mixture of manual and scene controls, and controls capable of remote and automated functions.* Affordable systems can be assembled using power-line communications-based systems and scene-preset controls. While more expensive, wireless lighting control options are becoming very powerful and flexible, allowing designers to balance system capability with cost and complexity as well as easily accommodating the infrastructure of older homes.

### SCENE-BASED DESIGN

The first step in contemporary controls design is to employ scene controls. In many rooms of a house, there often are more than one group of lights, such as downlights, accent lights, sconces, and a chandelier. A scene is a previously set ("preset") combination of dimmer settings for each group, designed to achieve a particular atmosphere. Scenes can be chosen by manually adjusting three or four dimmers until the space feels right, but ideally, the pressing of a single button will turn on the lights and fade them to the chosen scene. The four-scene preset controller is the most popular contemporary lighting control system on the market today.

In addition to mood-creating use in dining rooms and kitchens, scene preset controllers are good for home theaters and family rooms with A/V systems. Today's preset scene controllers "talk" to the home theater controller, and with the push of a button the A/V system is activated, the curtains are closed, and the lights are dimmed to the preferred viewing scene.

The scene preset controller typically is used to control only a single room. To address multiple rooms, a system is required. A discretely located push-button anywhere in the home can activate an array of whole-house scenes including: welcome home, party, security, or panic. Scenes also can be activated by a car transmitter, key fob, alarm system, or home energy-management system.

### SYSTEM TYPE: WIRED OR WIRELESS

The top of the line residential control systems offer a high level of integration and customization, making them the system of choice for new high-end homes. A central processor allows programming and communications functions including powerful whole-house commands. Most of these systems have dimming cabinets distributed throughout the home, and each lighting group is home run wired back to the dimming panel. Low-voltage wiring connects control stations and interfaces to audio and HVAC control systems. These systems often are furnished and installed by specially trained low-voltage contractors, many of whom also install other communications and home entertainment electronics.

But these systems call for significantly different wiring of the home. If central dimming cabinets are used, power wires from each controlled group of lights must home run to the dimmer cabinet, adding considerable material and labor cost and creating areas of congested wiring. It is not uncommon to see large homes with rooms devoted to dimming cabinets and related equipment.

## RESIDENTIAL LIGHTING CONTROLS

### POWER-LINE CARRIER SYSTEMS

<b>COMPOSE PLC</b>	Lightolier Controls' power-line carrier system based on X-10 technology.
<b>DECORA HOME CONTROLS</b>	Leviton's power-line carrier system based on X-10 technology.
<b>INSTEON</b>	A mesh network control system by Smart Labs Technologies using simulcast power-line and RF signals to increase the reliability of X-10 power-line carrier systems.
<b>PULSEWORX</b>	A UPB carrier system by Powerline Controls Systems.
<b>X-10</b>	A residential power-line signaling system sold under its own name and a number of labels, some with variations and proprietary hardware to make the system work better.

### RF WIRELESS SYSTEMS

<b>ENSPIRE</b>	Vantage Controls' RF wireless control system using proprietary radio repeater technology.
<b>JETSTREAM</b>	Centralite's RF wireless control system using Zigbee technology.
<b>MIRO</b>	Wattstopper's RF wireless control system using proprietary "Top Dog" repeater system technology.
<b>RADIO RA AND HOMESERVE</b>	Lutron's RF wireless control system using proprietary radio repeater system technology.
<b>VIZIA</b>	Leviton's RF wireless control system using Z-wave technology.
<b>ZIGBEE</b>	A proprietary standard for low-speed, short-range, RF wireless control communications using mesh network technology in the 2.4-GHz band. A large number of companies belong to a common working group.
<b>Z-WAVE</b>	A proprietary standard for low-speed, short-range, RF wireless control communications using mesh network technology in the 900-MHz band. A large number of companies belong to a common working group.

### WHOLE-HOUSE SYSTEMS

<b>BRILLIANCE II</b>	Lightolier's residential control system using interwired devices and programmed functions.
<b>ELEGANCE</b>	Centralite's residential control system with a wide range of options, based primarily on dimming panels and a low-voltage cable network. Capable of complex interfaces and functions.
<b>HOMEWORKS</b>	Lutron's residential control system with a wide range of options including central dimming panels, HomeServe RF, and wired dimmers and switches. Capable of complex interfaces and functions.
<b>LITE TOUCH</b>	A residential control system with a wide range of options, based primarily on dimming panels and an Ethernet cable network. Capable of complex interfaces and functions.
<b>VANTAGE</b>	A residential control system with a modest range of options, based primarily on dimming panels and an Ethernet cable network. Capable of complex interfaces and functions including Enspire RF devices.

Wireless systems have the principal advantage of using conventional residential wiring. The electrical contractor wires the home as if manual switches were being used. But instead of low-voltage control wires, lighting system communications are either radio frequency (RF)-based, like Wi-Fi, or use power-line signaling. Regardless of whether the project is a new home, a remodel, or an addition, a complete system can be installed. Wireless options include:

- *Power-line signaling systems.* These systems communicate using the home's power wires. The reliability of signaling can be an issue and may require special power panel filters, but the equipment is inexpensive and widely available.
- *RF systems with repeaters.* These systems communicate using radio signals that often are strong enough to reach every room in the house. Repeaters are used to extend range and cover large homes.
- *Mesh network systems.* These systems use low-power radio signals organized into a mesh.

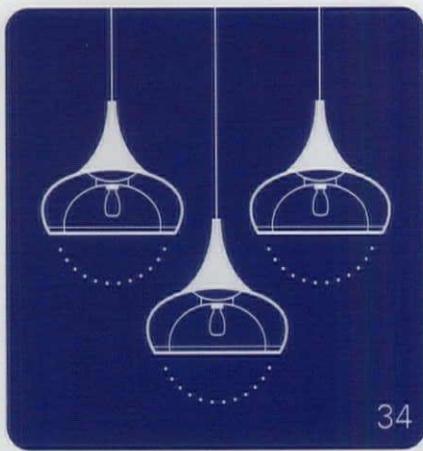
#### CHOOSING A SYSTEM

Cost usually will be the dominant issue. Good dimmers and switches don't add a lot of expense to a home lighting system, and a few scene controllers in key rooms are a good choice for budget-driven projects.

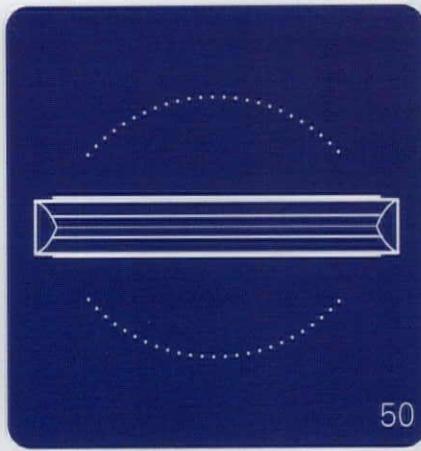
For a modest cost increase, start adding wireless functions. Some of the most popular include "path of light" designs that control hallways and rooms on the path from entrance door to kitchen, and "panic" scenes that activate key indoor and outdoor lights in emergencies.

#### LOOKING FORWARD

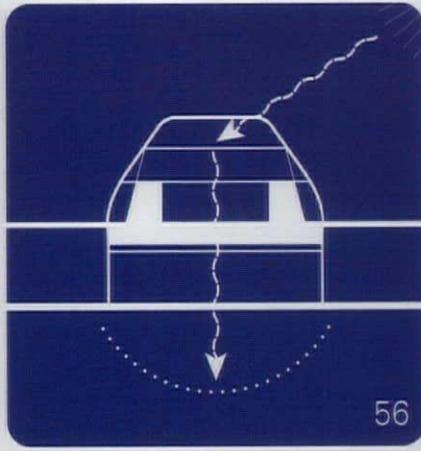
Thinking ahead, the collapse of housing prices doesn't necessarily change the lighting market. In fact, there is a good chance that people will stop flipping homes and actually live in and update them. Better lighting and controls are comparatively high-benefit, low-cost improvements that anyone can make. Moreover, new LED lighting systems are sure to encourage even better whole-house lighting controls. Just a few years ago, whole-house controls were only for the very rich, but it is possible that solid-state lighting will serve as a catalyst to make them practical in every home. **JAMES R. BENYA**



34



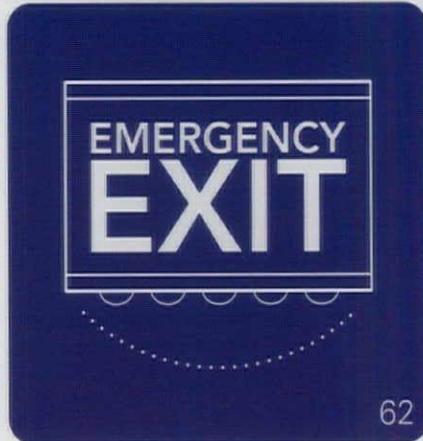
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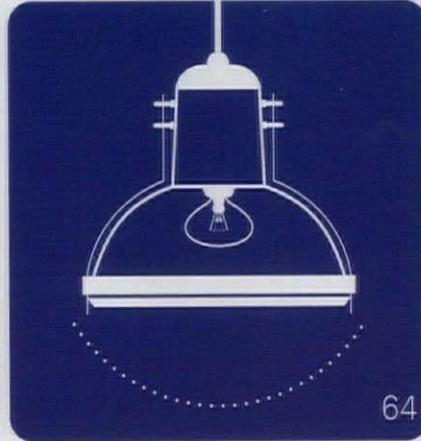
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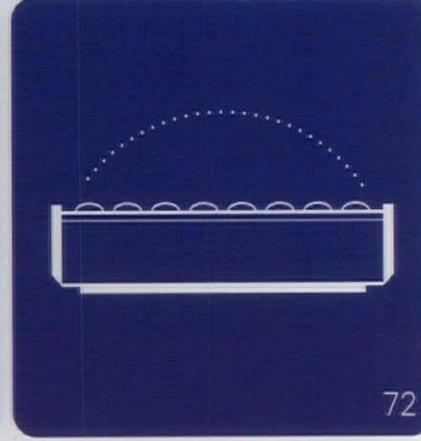
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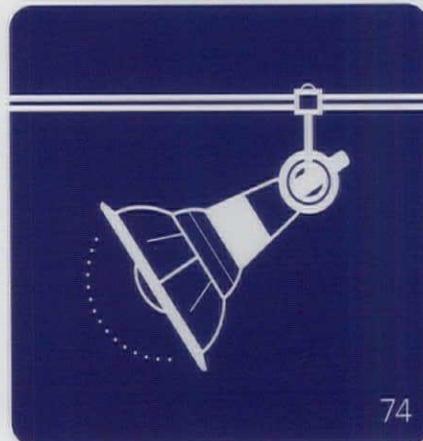
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# 2009

## PRODUCT GUIDE

EDITED BY Sallie Moffat

**There's no shortage** of lighting products hitting the market, as evidenced by the 250-plus submissions we received for the A|L 2009 product issue. As the result of a challenging selection process, the following pages showcase more than 145 fixtures across 12 categories—a collection of some of the latest designs and technical innovations in lighting and a sign that even in an economic downturn, manufacturers still are introducing quality products into the marketplace.

Going green is an ever-growing trend and energy-efficient luminaires are found in every category. Also, LED technology continues to make strides. This year's submissions included a large number of LED-based luminaires—most noticeably in the downlight, emergency/exit, and outdoor/landscape categories. With the arrival of spring comes a flurry of conferences and trade shows, and there's sure to be a plethora of new product releases. But for now, check out the latest lighting offerings on the following pages. **A|L**

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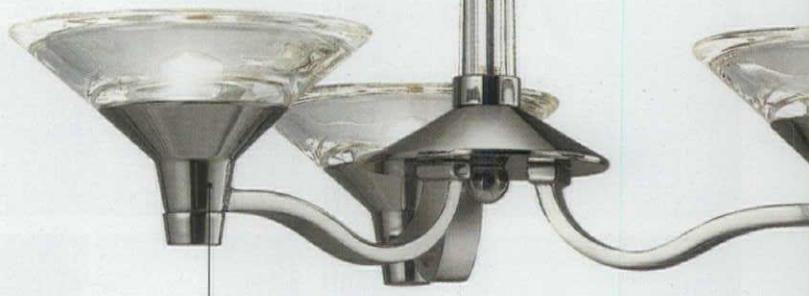
# products **DECORATIVE**



## **JESCO LIGHTING GROUP**

### **ENVISAGE III GROK**

Characterized by a variety of original designs with aesthetic continuity, the Envisage III Grok collection of contemporary-style ceiling fixtures, pendants, wall sconces, and table (shown) and floor luminaires features metal housings and frames in a range of plated or painted, colored or metallic finishes. Available lenses and shades include glass, opal or optic glass, or fiberglass. Lamping options are halogen, compact fluorescent, incandescent, or LED. • [jescolighting.com](http://jescolighting.com) • CIRCLE 81

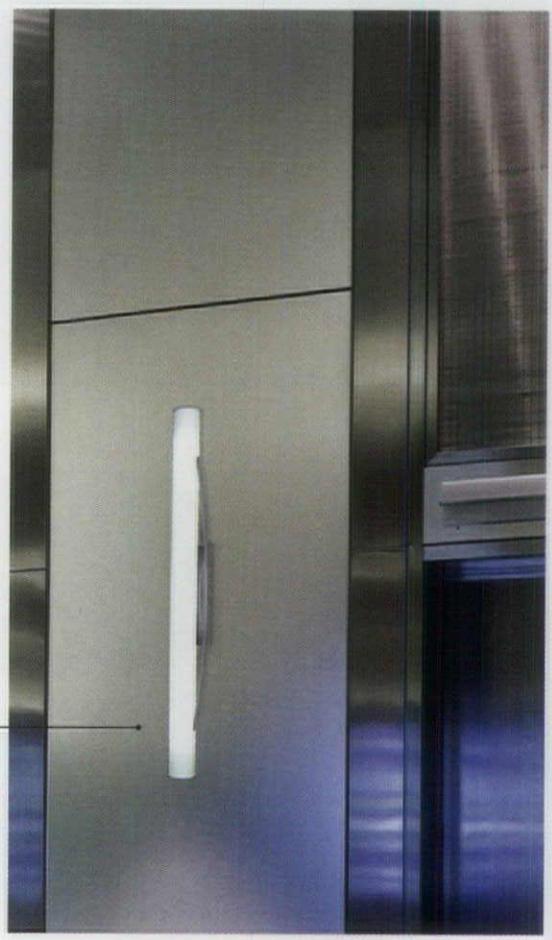


## **KICHLER LIGHTING BARAGA**

A contemporary fusion of clear glass and polished metal, the Baraga Collection features heavy glass shades with an internal optic variation for added depth and interest. Each fixture has rectangular arms, takes halogen lamps, and is finished in polished nickel. The convertible three-light chandelier can be chain-hung or installed as a semiflush ceiling mount. • [kichler.com](http://kichler.com) • CIRCLE 82

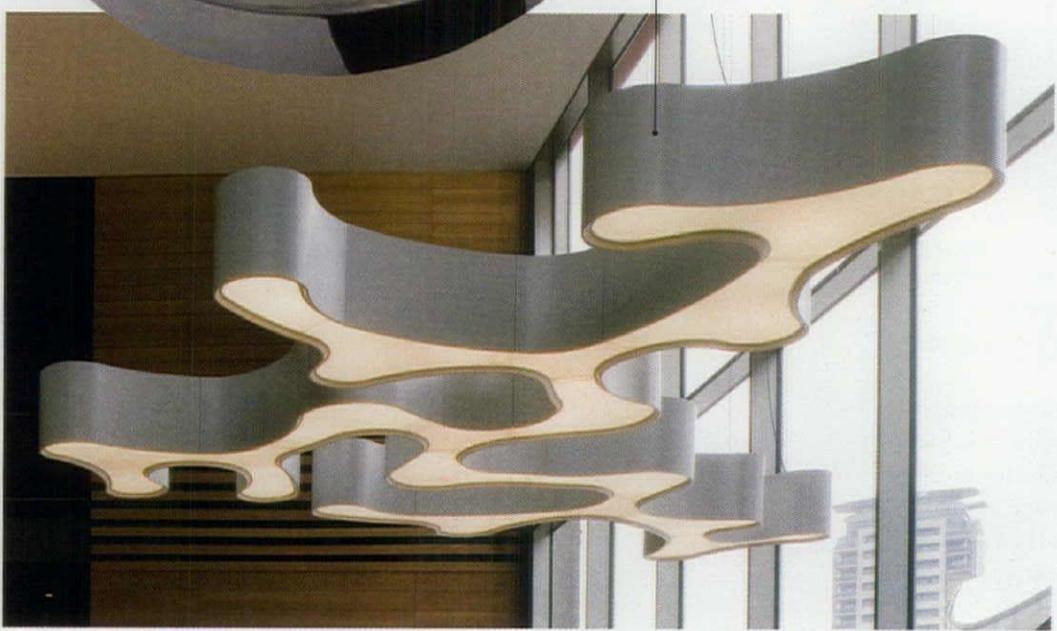
## **VIBIA AMEBA**

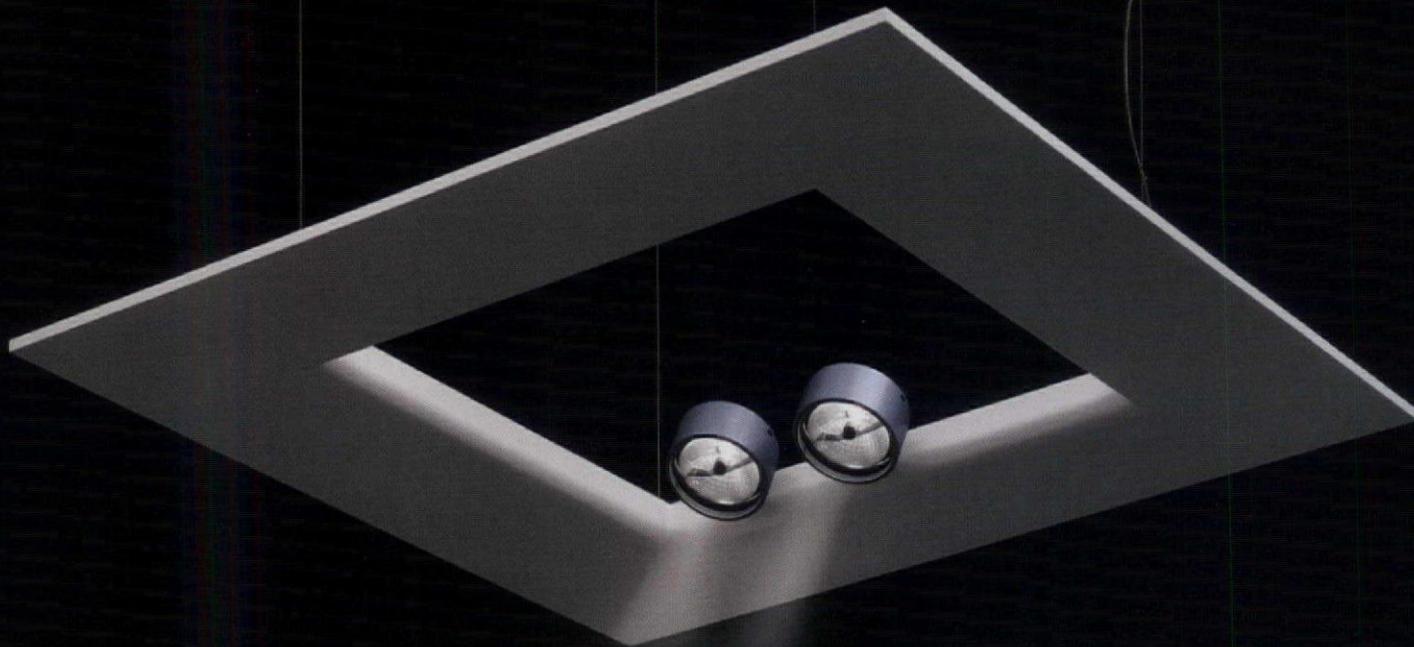
Formed by five different shapes that can be combined to offer an infinite range of compositions, Ameba is a pendant luminaire concept that is adaptable to every space and to every need and preference. Made up of a white or charcoal gray lacquer housing and a top and bottom acrylic diffuser, it takes 13W triple four-pin compact fluorescent lamps, is suspended from adjustable aircraft cables, and is wired in such a way that only one J-box is needed no matter the number of sections used. • [vibialight.com](http://vibialight.com) • CIRCLE 83



## **VISA LIGHTING SEQUENCE**

Completing the Sequence family, the Sequence indoor/outdoor wall sconce can be vertically or horizontally mounted and boasts a white acrylic housing in two sizes with clean, pure lines. It takes both fluorescent and LED sources (with static or variable color) and features oven-cured no-VOC acrylic powder coat for painted finishes and oven-cured low-VOC clear coat on metal finishes. • [visalighting.com](http://visalighting.com) • CIRCLE 84





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objects have to bask in reflected glory.

Orion, cable suspended luminaire for indirect fluorescent  
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Design, S. & R. Cornelissen.



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# products **DECORATIVE**

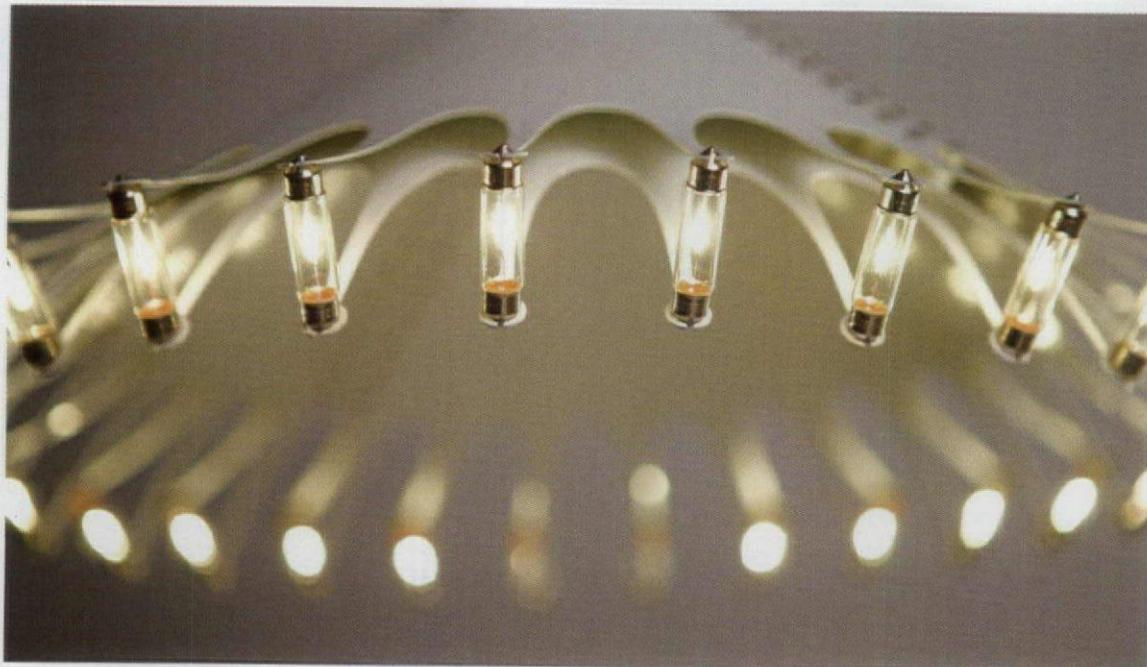
## **BEAR CREEK GLASS** PRINCIPIA

A contemporary chandelier named in honor of Sir Isaac Newton's most famous volume of work, Principia is characterized by LED-illuminated globes joined with an adjustable collar. Round, semiglobe, and bella styles are offered, as are three sizes—three lights, seven lights, or 13 lights—and four colors, including ivory and desert sunset. • [bearcreekglass.com](http://bearcreekglass.com) • CIRCLE 85



## **CHRISTOPHER MOULDER** SHADE

Inspired by a simple lamp shade, Shade is a low-voltage fixture that uses its aircraft aluminum body to conduct electricity to the 28 10W high-efficiency Xenon Festoon lamps situated around its bottom edge. It measures 16 inches in diameter and 7 inches tall, comes with a fully dimmable 300W magnetic transformer, and is offered in torch red, white, or silver metallic. • [christophermoulder.com](http://christophermoulder.com) • CIRCLE 86



## **EUREKA LIGHTING** LEX

Lex is a simple architectural statement that boasts clean styling in a bold chrome finish. Offered in surface-mount and pendant versions, the former can be easily installed on many surfaces while the latter is cable-mounted for easy installation and adjustment. Measuring 16 inches in diameter and 4 1/2 inches tall, it creates diffused light from fluorescent or incandescent lamps. • [eurekalighting.com](http://eurekalighting.com) • CIRCLE 87



**BALDINGER ARCHITECTURAL LIGHTING**

**LA BAGUETTE RING PENDANT**

Providing functional, softly diffused, ambient interior lighting, La Baguette Ring Pendant is a classic luminaire that melds Art Deco-inspired solid metal torchiere lighting forms with rich, handcrafted materials. Various shades and finishes are offered, and the fixture can take incandescent or compact fluorescent lamps. • [baldinger.com](http://baldinger.com) • CIRCLE 88



**ÉNERGIE POLARON**

The result of the company's collaboration with Sieger Design and German lighting manufacturer Trilux, the Polaron family of luminaires was inspired by the combination of room and light in the Roman Pantheon. Each fixture's circular body—whether in recessed, semirecessed, surface-mounted, or pendant form—shapes the emitted light, illuminating in all directions. • [energielighting.com](http://energielighting.com) • CIRCLE 89



**BOYD LIGHTING**

**CIRCOLO SCONCE**

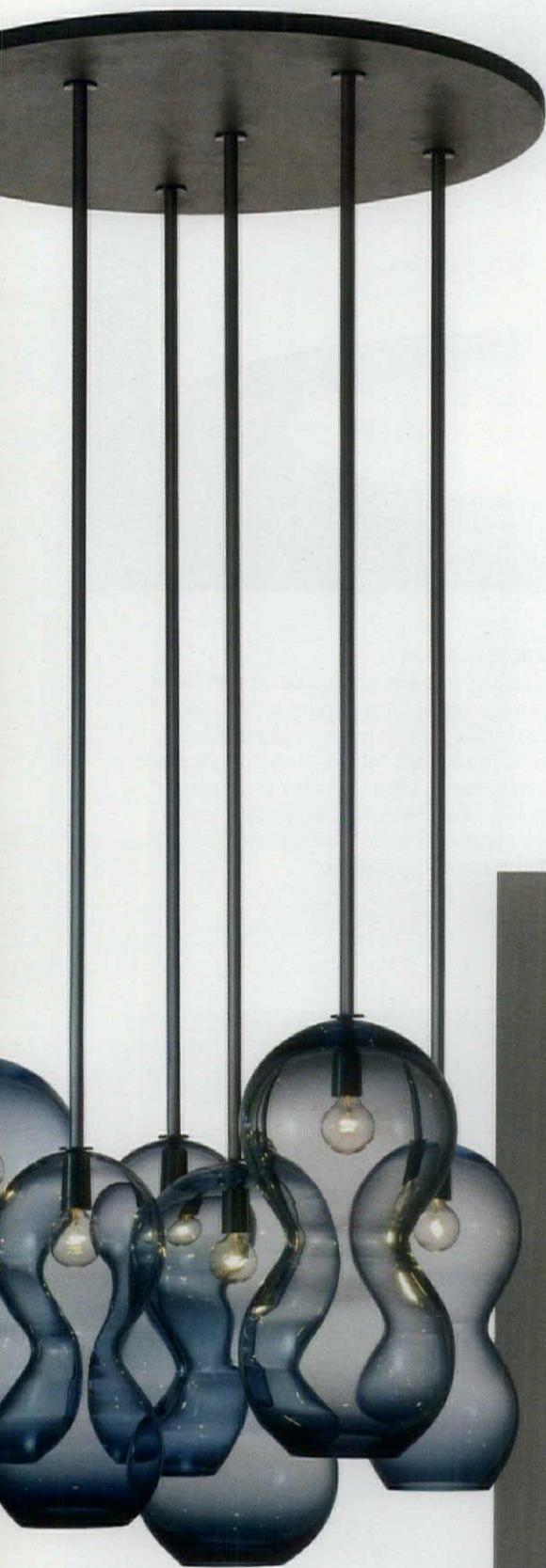
One in a family of indoor/outdoor ADA-compliant sconces, pendants, and ceiling fixtures, the Circolo Sconce is made from stainless steel and has a white pearl shade to conceal incandescent or compact fluorescent lamps. Its organic yet geometric perforated metal diffuser is offered in five finishes. • [boydlighting.com](http://boydlighting.com) • CIRCLE 90



**GARDCO LIGHTING ORGANICS**

Wall-mounted luminaires utilizing compact fluorescent, high intensity discharge, or LED sources to create graceful, large-scale architectural accents, Organics come in seven plate choices, more than 200 colors, and with a variety of distributions and lenses. LED fixtures can be specified with static white, static colors, or color-changing technology, and all feature rugged housings for outdoor applications. • [sitelighting.com](http://sitelighting.com) • CIRCLE 91

# products **DECORATIVE**



## **JGOODDESIGN**

### **HOURGLASS CHANDELIER**

Eco-friendly and handmade in New York City, the Hourglass Chandelier takes its inspiration from the human form. Available in varying heights, diameters, colors, and finishes, it is made of aluminum, brass, and partially recycled glass, all of which can be recycled. Lamping options include incandescent, LED, or fluorescent sources and it comes in colors such as wispy translucent white, Caribbean blue, amber, grayish green, bronze, or dark purple. • [jgooddesign.com](http://jgooddesign.com) • CIRCLE 94

## **MEYDA LIGHTING**

### **WHISPERING PINES CHANDEL-AIR**

A customizable handcrafted luminaire with an integrated fan, the 44-inch-diameter Whispering Pines Chandel-Air (Model 108443) features an amber mica shade that has been transformed into a decorative yet functional fan casement with a pine cone and pine branch design. It can be adjusted to accommodate flat or vaulted ceilings of any pitch or height and operates with a two-circuit remote control with three-speed fan control and dimming capabilities. • [meyda.com](http://meyda.com) • CIRCLE 92



## **STUDIO ITALIA DESIGN ANDREI**

Andrei represents the company's foray into DecoTech: the merging of cutting-edge modern design with a focus on light management, indirect and direct lighting combinations, and combined lamping, with the goal of illuminating a space more efficiently. Designed by Brian Rasmussen, the polished stainless steel fixture features pleated mirrors that give off a fragmented reflection of the viewer. It is available as a pendant, a sconce, and a floor lamp. • [studioitaliadesign.com](http://studioitaliadesign.com) • CIRCLE 93



## **FOSCARINI EMPIRE GRIGIO TRASPARENTE**

Originally created in 2007, Empire is now available in transparent gray and called Empire Grigio Trasparente. Measuring approximately 12<sup>1</sup>/<sub>4</sub> inches wide and 74<sup>3</sup>/<sub>4</sub> inches tall, the translucent floor lamp casts light both upward and through its methacrylate body to enhance its ethereal effect. Its one 200W halogen lamp can be dimmed. • [foscarini.com](http://foscarini.com) • CIRCLE 95



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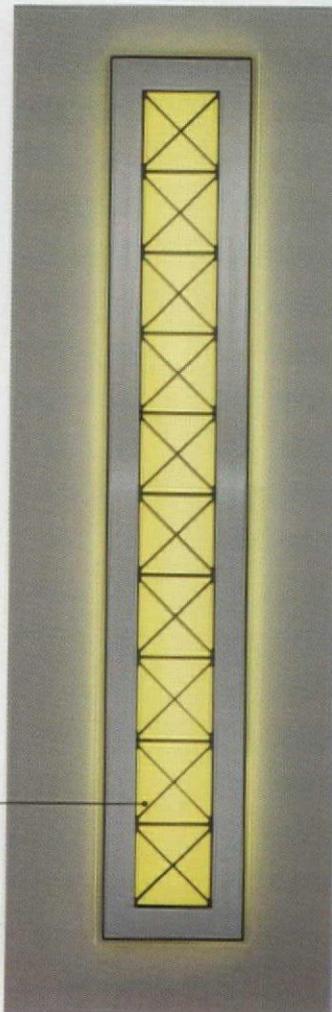
**TARGETTI POULSEN SNOW**

Redefining the concept of the floor lamp with its large yet light and almost invisible form, Snow is both geometric and organic and features a silk-screened pattern of white snowflakes. Made from transparent acrylic, the design emits light in every direction for soft ambient illumination. Measuring almost 14 inches in diameter and just more than 59 inches tall by 31 1/2 inches wide, it contains a 4.4-pound counterweight that hangs freely inside the fixture like a large snowball. • [targettipoulsen.com](http://targettipoulsen.com) • CIRCLE 97



**LAM LIGHTING CFL SERIES**

A collection of decorative, indirect/semi-indirect interior pendants, the CFL Series includes four styles: Saturn (shown), Luna, Tempo, and Traditional. Each uses electronic ballasts and compact fluorescent lamps, is available in three diameters with nine lamping combinations, and comes in three finishes. An inner diffuser eliminates hot spots and provides protection from debris. • [lamlighting.com](http://lamlighting.com) • CIRCLE 96



**IVALO LIGHTING SILVUS 30"**

An extension of the Silvus modular sconce system, the longer and leaner Silvus 30" indoor/outdoor luminaire was inspired by the optical effects of water and light in the forest. Measuring 30 inches tall by 7 1/2 inches wide and 6 1/4 inches deep, it uses LED technology to allow for static, pulsing, flowing, or color-changing light. When used in a column that includes two or more units and the bottom edge is less than 27 inches off the ground, the system is ADA compliant. • [ivalighting.com](http://ivalighting.com) • CIRCLE 99

**SPI LIGHTING ADVENT MONET**

One in a family of interior sconces, pendants, ceiling mounts, and exterior wall mounts, Advent Monet provides vibrant supplemental illumination thanks to vivid color gels and glowing edges. Lamped with linear fluorescents or LEDs, it is made from partially recycled aluminum and a recyclable polycarbonate lens, uses an electronic ballast, and can be dimmed. It comes in 37 standard powder coat paints and 18 metal finish options. • [spilighting.com](http://spilighting.com) • CIRCLE 98

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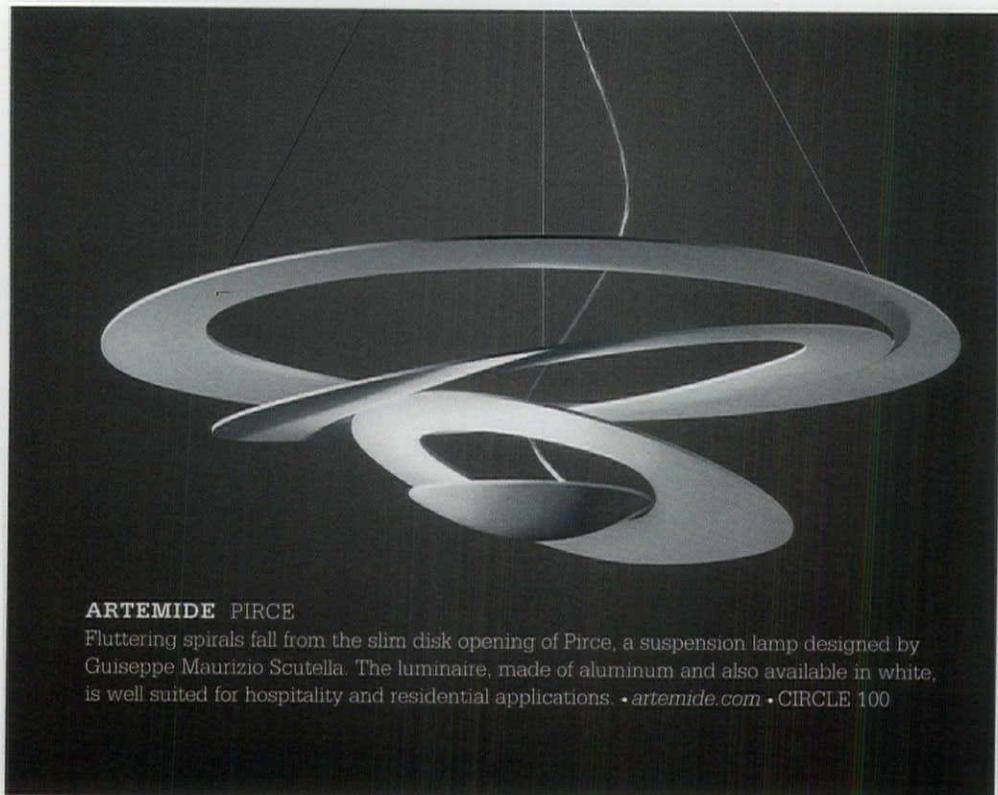
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# products **DECORATIVE**



## **ARTEMIDE PIRCE**

Fluttering spirals fall from the slim disk opening of Pirce, a suspension lamp designed by Guiseppe Maurizio Scutella. The luminaire, made of aluminum and also available in white, is well suited for hospitality and residential applications. • [artemide.com](http://artemide.com) • CIRCLE 100



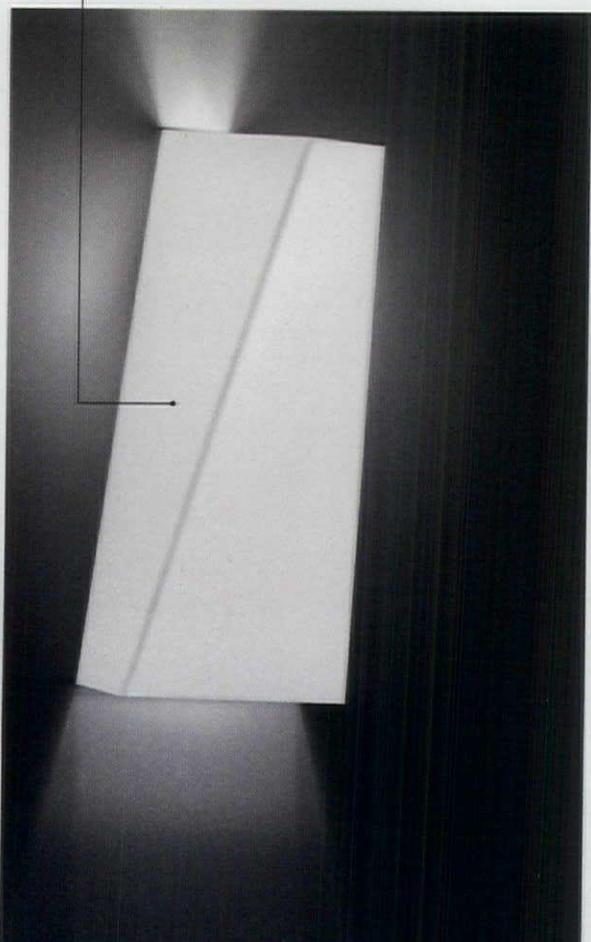
## **ILEX ARCHITECTURAL LIGHTING**

### **HAT BOX ROUND ADA**

Constructed of solid brass with clean lines and a selection of elegant finishes, the Hat Box Round ADA sconce is also offered in a square model as well as full custom sizes. It can accommodate incandescent or fluorescent lamps and comes in finishes including architectural bronze, brushed nickel, and satin brass. Custom lamping and finishes also are available. • [ilexlight.com](http://ilexlight.com) • CIRCLE 101

## **DELTA LIGHT PARALLEL**

Parallel has an atypical body—that of a pinched rectangular extrusion. Available as a wall mount and a pendant, the luminaire's distinctive design lends a modern air. Constructed of polycarbonate, it measures approximately 8<sup>1</sup>/<sub>4</sub> inches by 2<sup>1</sup>/<sub>2</sub> inches by 16<sup>3</sup>/<sub>4</sub> inches and takes a triple 18W compact fluorescent lamp. • [deltalight.us](http://deltalight.us) • CIRCLE 102



## **LUSIVE DÉCOR**

### **CELESTE CHANDELIER**

Featuring polished chrome, laser-cut double blades and 1/2-inch machine-carved-and-polished Lucite wings, the Celeste Chandelier measures 6 feet in diameter and 7 feet tall. Each of the six wings is edge lit with high-output fluorescent lamps, and the fixture is equipped with dimmable electronic ballasts. • [lusivedecor.com](http://lusivedecor.com) • CIRCLE 103

## **STRINI ART GLASS**

### **BABY JELLY FISH LAMP**

A smaller version of the larger, LED-lit Jelly Fish Lamp, the new Baby Jelly Fish Lamp measures 6 inches to 7 inches in diameter and 20 inches long. UL-approved for dry locations, each luminaire is handcrafted and takes a 35W bi-pin halogen lamp. • [striniartglass.com](http://striniartglass.com) • CIRCLE 104





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products **DECORATIVE**



**ANDROMEDA** MELT MEEE

Melt Meee is a dreamlike and sophisticated vision of fluid shapes in which handmade glass is coupled with a surreal and playful "melting" design. The collection of chandeliers consists of four models with 3, 8, 16, or 24 lights, all of which are offered in seven bold colors. • [andromedamurano.it](http://andromedamurano.it) • CIRCLE 105



**FOSCARINI** CABOCHE GIALLO ORO

One of the company's most successful designs now available in golden yellow, Caboché Giallo Oro was inspired by a bracelet. With a ring form, upper and lower satin glass diffusers, and polymethylmethacrylate spheres, it produces a luxurious warmth with its shimmering yet diffused light. Fixtures take a halogen lamp and come in suspension, table (shown), ceiling, wall, and floor versions, some in multiple sizes. • [foscarini.com](http://foscarini.com) • CIRCLE 106

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#### BIRCH AND WILLOW ROOST

Roost is a nature-inspired table lamp made of hand-dyed reed, datu rattan, willow, grapevine, and bittersweet vine. The luminaire is available in three sizes: small (19 inches tall by 9 inches wide); medium (22 inches tall by 12 inches wide); and large (28 inches tall by 15 inches wide). Incandescent bulbs (40W for small, 60W for medium, and 75W for large) are recommended by the company for its luminaires, which are all made to order. • [birchandwillow.com](http://birchandwillow.com) • CIRCLE 107



#### DELRAY LIGHTING RED

Inspired by the elegant, tubular shape of a lipstick case, RED can accommodate 35W to 150W ceramic metal halide lamps, two 42W compact fluorescents (that can be dimmed), or high-output 27W LEDs. Its cast/extruded aluminum housing is 24 inches tall and 6 inches in diameter, and has a matte anodized finish that also can be custom powder coated. Glass options are red or opal with a matte opal interior. • [delraylighting.com](http://delraylighting.com) • CIRCLE 108

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# products **DECORATIVE**



## **ARTEMIDE EURIALO**

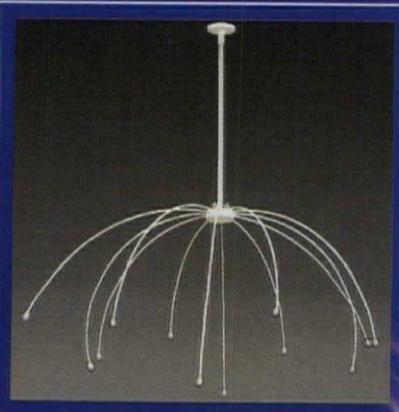
A wall lamp that provides both direct and indirect lighting, Eurialo is made from molded aluminum and available in either aluminum or polished white. Designed by Pio and Tito Toso, the luminaire can accommodate either fluorescent or halogen lamps. • [artemide.com](http://artemide.com) • CIRCLE 109



## **FIRE & WATER CYCLED**

A traditional design object reinterpreted with dramatic, unconventional, and green flare, the cycLED chandelier is the company's first LED offering. Made up of a salvaged bicycle wheel and sheets of recycled glass pebbles suspended at alternating heights, it contains MR16-style white or color-changing LEDs mounted on goosenecks aimed through the pebbles. It measures 25 inches in diameter with a height that is built to order. • [cyberg.com](http://cyberg.com) • CIRCLE 110

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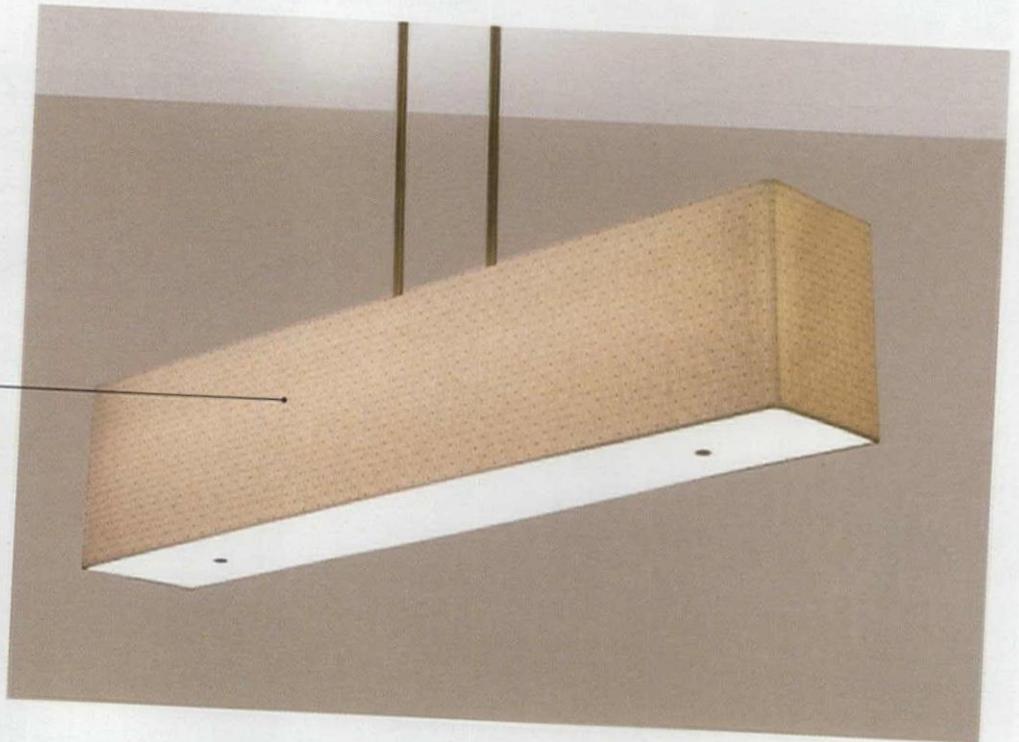
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**JONATHAN BROWNING**

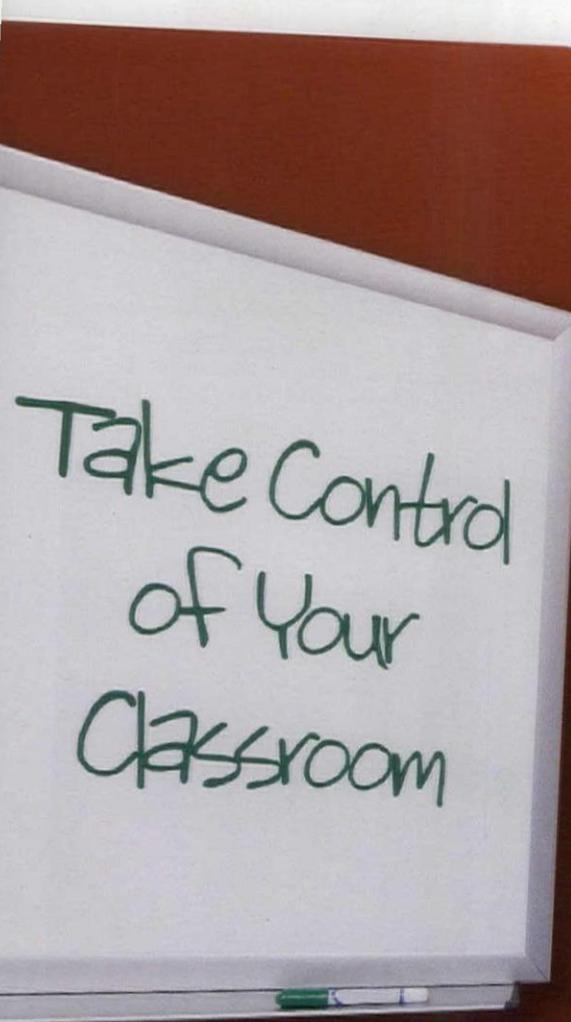
**JONATHAN BROWNING/KALMAR COLLECTION**

Lighting designer Jonathan Browning has partnered with Kalmar, a lighting firm in Vienna, Austria, to adapt, produce, and market designs from J.T. Kalmar's early 20th century archives for today's market. The initial Jonathan Browning/Kalmar Collection consists of 11 sconces, chandeliers, torchiere, and pendants in rosewood, bronze, crystal, and other materials. • [jbs-kalmar.com](http://jbs-kalmar.com) • CIRCLE 111



**COOPER LIGHTING SHAPER FABRIQUÉ SERIES**

This new line of commercial and residential fixtures from Shaper, a Cooper Lighting brand, includes large-scale drum and rectilinear pendants, ADA wall sconces, and a family of mini-shade pendants available in a variety of shapes. Designed to have minimal or no visible hardware or structural trim, the luminaires come in up to 14 fabrics and colors, and are offered in natural aluminum, chrome, and copper finishes. Each can take compact fluorescent and incandescent lamps. • [cooperlighting.com](http://cooperlighting.com) • CIRCLE 112

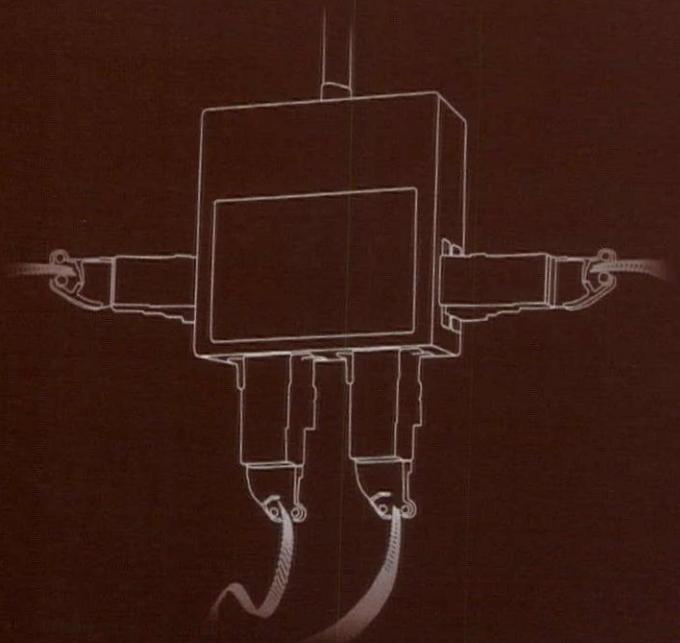


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# products **DECORATIVE**



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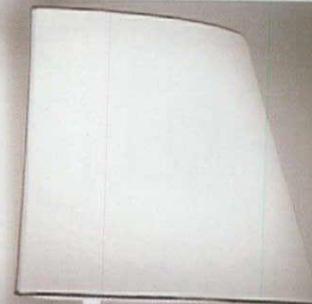
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## CHRISTOPHER MOULDER

### ARABESQUE

Blurring the distinction between positive form and negative space, the sculptural Arabesque pendant, with its ovoid cutouts, creates shadow patterns on the surface below. Made up of a 22-inch-by-2 1/2-inch steel tube, it takes a dimmable 50W MR16 lamp, and is finished with catalyzed acrylic enamel in torch red, white, or silver metallic. • [christophermoulder.com](http://christophermoulder.com) • CIRCLE 114



## DESIGN HOUSE STOCKHOLM CORNER LAMP

Designed by Roberto Cárdenas specifically to fit into dark corners, the Corner Lamp makes intelligent use of otherwise wasted space. Part of the company's original lighting collection, it features minimalist elegance and Scandinavian flare. UL-listed, it stands 66 inches tall and is made up of a steel pole and a pergament plastic shade. • [designhousestockholm.com](http://designhousestockholm.com) • CIRCLE 115

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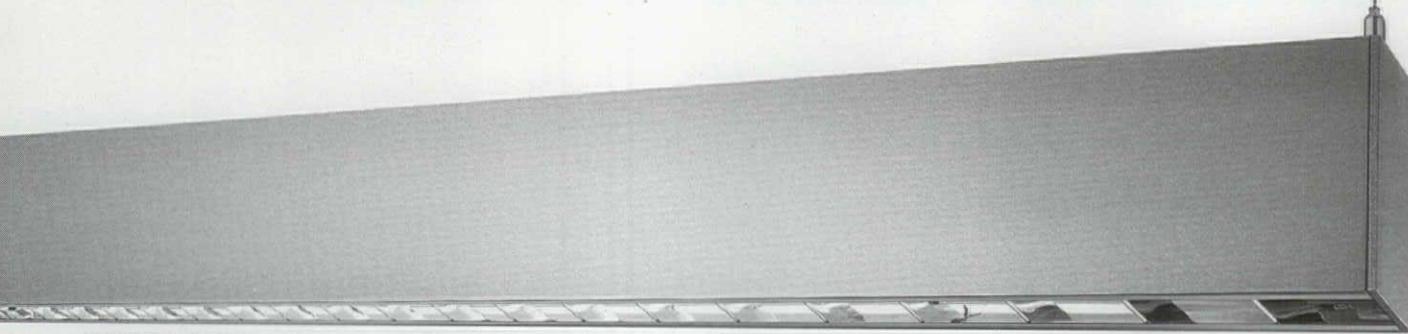
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# products **DIRECT/INDIRECT**



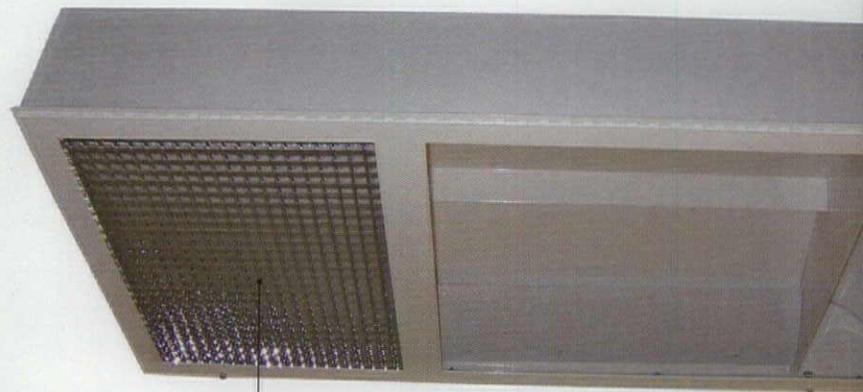
## **SISTEMALUX** LINEAR SYSTEM

Offered in three configurations—linear wall, linear pendant, and linear pendant with track—the Linear System can be combined with the company's projectors for applications such as museum and office lighting. All fixtures can be lamped with T5 fluorescents, as well as LEDs with both 3000K and 4000K color temperatures. • [sistemalux.com](http://sistemalux.com) • CIRCLE 117



## **MARK ARCHITECTURAL LIGHTING** DATUM

With fixtures as shallow as  $2\frac{5}{16}$  inches, Datum is ideal for situations where plenum space is restricted. Made from die-formed, 20-gauge cold-rolled steel, this recessed fixture is available in three widths: 6 inches, 1 foot and 2 feet. Each takes T5 or T5HO lamps, has a luminaire efficiency as high as 84.5 percent, is finished in a matte white enamel, and contains a translucent acrylic lens. Both rounded and rectangular reflectors are offered. • [marklighting.com](http://marklighting.com) • CIRCLE 118



## **VISTA LIGHTING** ED/CC LIGHT

A high-intensity recessed luminaire for critical care units and their patients, the ED/CC Light provides illumination for patient examinations, reading, and ambient lighting. Constructed of 20-gauge cold-rolled steel with an antimicrobial coating technology to inhibit the growth and spread of bacteria, it takes six or seven 55W linear fluorescents and features dual swing-down/tilt-out perforated metal shields. • [vistalighting.com](http://vistalighting.com) • CIRCLE 119



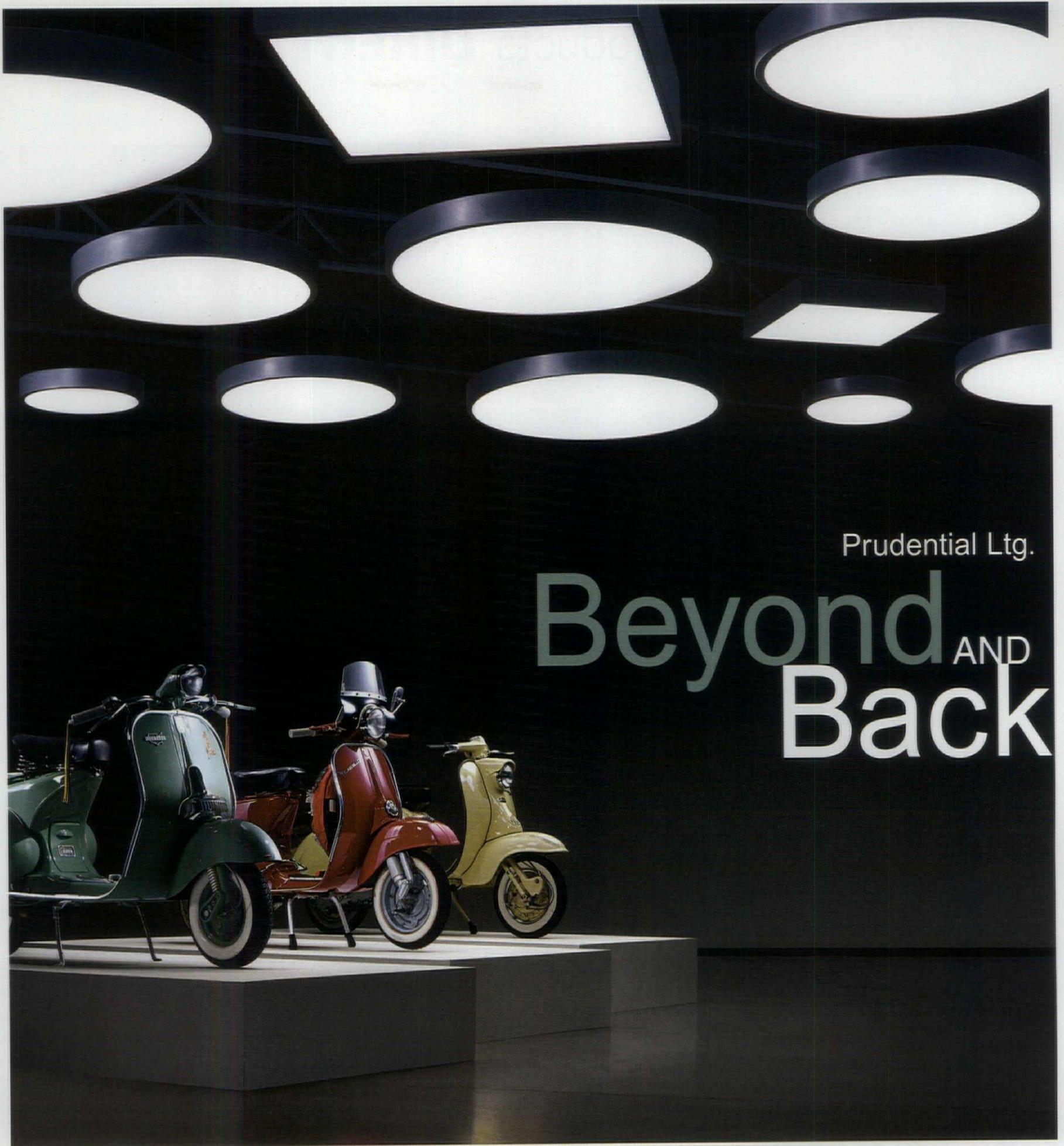
## **COLUMBIA LIGHTING E•POC**

Offered with T5 or T8 lamps, the E-poc full distribution luminaire combines numerous lamp/ballast/lens variations and control options all built into a stylish linear design. It is compatible with control systems—including full dimming, step dimming, occupancy sensors, and daylight harvesting sensors—and, with its small energy footprint, complies with stringent energy codes. It also has a hinged optical system for easy access. • [columbialighting.com](http://columbialighting.com) • CIRCLE 120

## **B-K LIGHTING** MINI ILUME COLLECTION

Suitable for both interior and exterior applications, the Mini Ilume Collection has a unibody design that measures just  $2\frac{3}{8}$  inches long. Fixtures are offered in three installation profiles—flush, surface, and Invisi—each with a 2-inch-diameter solid aluminum, brass, or stainless steel faceplate, which can have one, two, or four optical openings with or without a center aperture. The luminaires take a single, side-emitting 1W multidirectional LED in red, blue, green, or amber, or a white LED with a color temperature of 3000K or 4000K. • [bklighting.com](http://bklighting.com) • CIRCLE 121



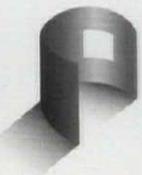


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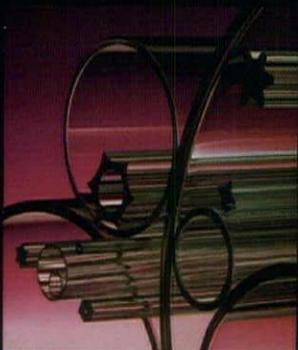
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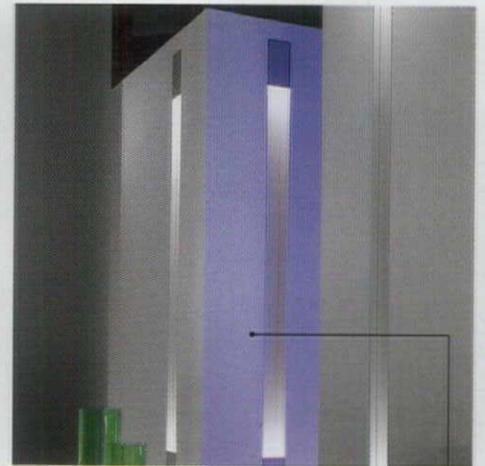


## products **DIRECT/INDIRECT**



### **LEDALITE PIQUE**

Using MesoOptics to deliver highly efficient, glare-free illumination, Pique can be combined with integrated daylight sensors as well as the company's new Airwave wireless control technology. Offered in four recessed, three surface-mounted, and two 20-inch-wide sizes (to accommodate 5-foot-by-5-foot ceiling grids), the contemporary fixtures can take T5, T5HO, T8, and compact fluorescent sources. • [ledalite.com](http://ledalite.com) • CIRCLE 122

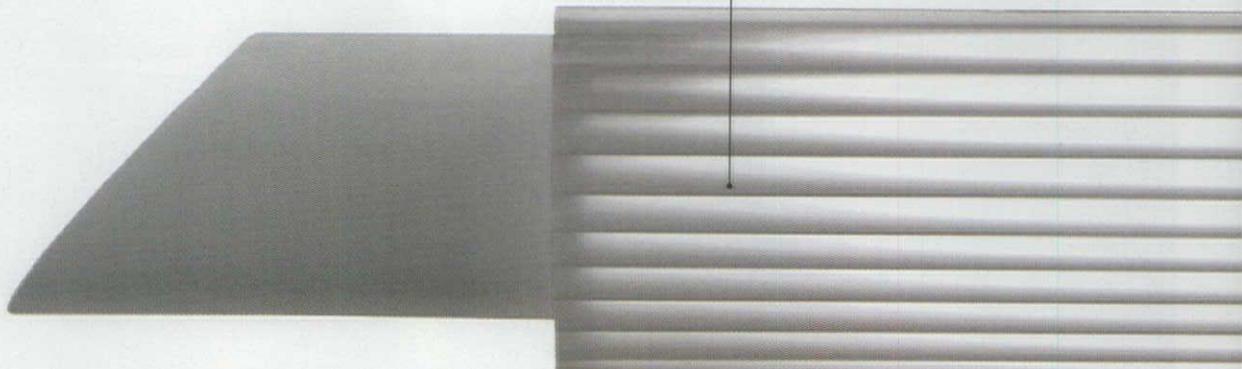


### **KREON DOLMA**

A recessed wall and ceiling fixture made from anodized aluminum, Dolma can be used indoors and out, and is available in custom lengths. Powder-coated in a silver-gray finish, it can accommodate a variety of lamp configurations, including a high-pressure discharge option, and is offered in 80- and 145-mm widths. A slightly patinated black zinc cover is available for outdoor fixtures. • [kreon.com](http://kreon.com) • CIRCLE 123

### **PEERLESS LIGHTING CONTRAIL**

A modular system that allows continuous runs of indirect lighting to deliver glare-free illumination, Contrail uses GrateOptic technology for optimal visual comfort. Offered in 4-, 8-, and 12-foot lengths, each curved pendant fixture can accommodate T5 or T5HO lamps, is made from 20-gauge prepainted steel, contains a highly specular aluminum reflector with a minimum 98 percent reflectance, and has an extruded opal acrylic lens. • [peerless-lighting.com](http://peerless-lighting.com) • CIRCLE 124



### **ELLIPTIPAR**

#### **30|30 STACKLIGHT STYLE 3037**

Using a 28W T5 lamp, the 30|30 Stacklight Style 3037 fixture is ideal for library stack lighting as it drives light to the bottom shelves. (The 30|30 stands for 30-plus footcandles vertical at 30 inches.) A recessed luminaire that measures 7<sup>13</sup>/<sub>16</sub> inches wide, it is compatible with most lay-in grid ceilings with T-bar supports 24 or 48 inches on center, has a semispecular parabolic cross-baffle with 25-degree shielding, and comes with a white or black trim frame. • [elliptipar.com](http://elliptipar.com) • CIRCLE 125



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products **DIRECT/INDIRECT**



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Designed with no visible hardware and toolless access for easy T5 fluorescent re-lamping, Neo is available in 3- and 4-foot nominal lengths in surface- and pendant-mount configurations. It is made up of a polished aluminum frame with flush opal lenses on three sides for comfortable ambient lighting, and a microprismatic diffuser lens on the bottom for controlled, low-brightness illumination. • [selux.com](http://selux.com) • CIRCLE 126



**ÉNERGIE**  
TOOL

Adding to its popular Tool line of pendant and surface-mounted luminaires (designed by Swiss lighting manufacturer Regent), Énergie introduces Tool T8 in 2-, 3-, and 4-foot lengths, and Tool T5, a smaller-scale fixture (shown). Simple and minimal, the family is offered in square and circle forms with a variety of reflectors for light distribution diversity. • [energielighting.com](http://energielighting.com) • CIRCLE 127

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**COOPER LIGHTING**

**AMETRIX ARROWLINEAR SERIES**  
Available in 2-, 3-, 4-, 6-, 8-, and 12-foot lengths, the sleek Ametrix Arrowlinear Series features fluorescent lamps, a sophisticated asymmetric optical design, and 180-degree adjustment with the company's PontGrab2 Aiming System, which includes indicator marks of 10-degree increments on the endcaps. Fixtures can be mounted individually or in continuous fixture rows in any horizontal orientation, and dimming options offer additional energy savings. • [cooperlighting.com](http://cooperlighting.com) • CIRCLE 128

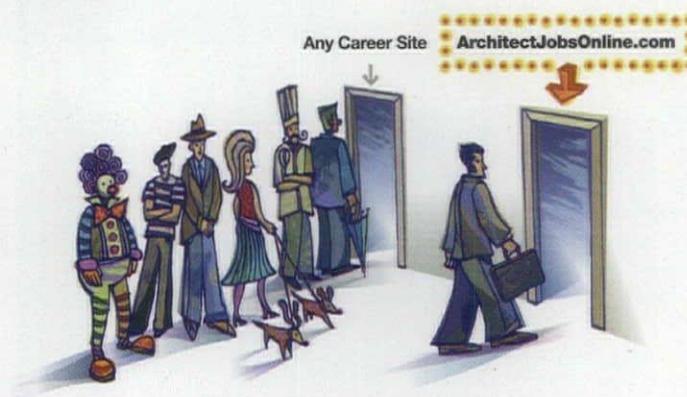
**FONTANAARTE SONMI**

Sonmi, which can take either three 80W 2G11 fluorescent bulbs or three 200W R7 halogen lamps, is made up of a white metal mounting, a tempered glass disc, and a blown-glass diffuser. The glass components can be mixed for red/red, white/white, red/white, or white/red combinations. The disc reflects light upward while the diffuser directs light downward. • [fontanaarte.it](http://fontanaarte.it) • CIRCLE 129



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The company's next generation of daylighting controllers, the LS-102 provides closed loop, single zone, on/off switching of lighting in response to daylight contributions.

Thanks to continuous and automatic self-calibrating, the controller eliminates the need for repeated manual calibrations to capture changing light levels as room reflectance levels vary. It also can be paired with a low-voltage wall switch.

• [wattstopper.com](http://wattstopper.com) • CIRCLE 130

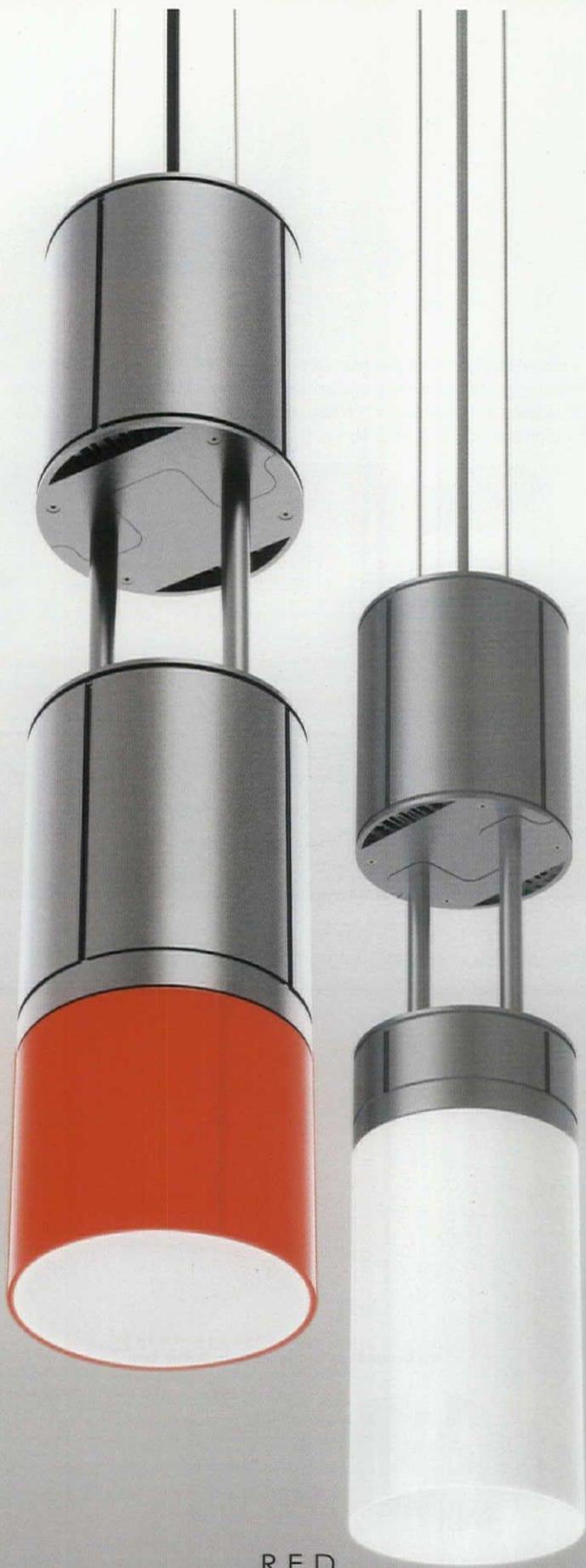


## **SCHNEIDER ELECTRIC**

### **SQUARE D CLIPSAL LIGHT-LEVEL SENSOR**

The latest addition to the Clipsal lighting control line from Square D, a Schneider Electric brand, the Light-Level Sensor measures ambient light levels and automatically issues on, off, or ramp commands over a C-Bus network. The sensor detects daylight levels and automatically adjusts the output level of electric lighting for increased energy savings. Low-profile and wall-mounted, the unit can control relays, dimmers, or remotely operated circuit breakers.

• [schneider-electric.us](http://schneider-electric.us) • CIRCLE 131



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Combining Sivoia QED (Quiet Electronic Drive) technology with a new tension system, the Skylight Shade uses Lutron's ultraquiet, precision-controlled Electronic Drive Unit and offers programmable stop points. Available with white or anodized aluminum frames and a variety of high-performance fabrics, it features one-touch control via keypad or infrared remote and has inside, recessed, and outside mounting options.

• [lutron.com](http://lutron.com) • CIRCLE 132

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# products **DOWNLIGHTS**



## **LUCIFER LIGHTING**

### **GYRO DL72Z DOWNLIGHT**

This recessed downlight contains exposed circular aluminum planes that interlock in two axes for manual configuration and adjustment. Measuring just over 1 1/4 inches wide (snooted), or approximately 1 1/2 inches wide (non-snooted), each fixture can take halogen, ceramic metal halide, compact fluorescent, and LED sources, and be fitted with up to three accessories. • [luciferlighting.com](http://luciferlighting.com) • CIRCLE 133



## **STARFIRE LIGHTING VERSALUX HYBRID**

Providing discrete, ceiling-integrated illumination in a single, compact, low-profile housing, the VersaLux Hybrid can accommodate single or multiple linear fluorescent lamp configurations, with or without adjustable MR16s (or other auxiliary accent lights) that allow for wall wash, art wash, and accenting effects. Thanks to a front-loading design, three accessories can be used simultaneously. • [starfirelighting.com](http://starfirelighting.com) • CIRCLE 134



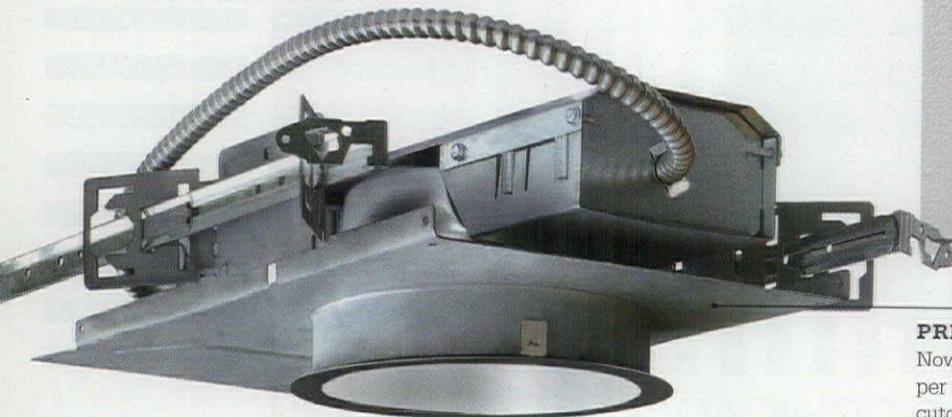
## **TECH LIGHTING ELEMENT 6"**

The latest version of the company's architectural recessed downlight system is Element 6", which is well suited for residential, commercial, retail, and hospitality applications. Offered as open or regressed lens, round or square, or flanged or flangeless, Element 6" has a variety of lamping options including incandescent, compact fluorescent, and ceramic metal halide. Trims are constructed of die-cast aluminum and are completely seamless at the corners. • [techlighting.com](http://techlighting.com) • CIRCLE 135

## **3 STYLE ARCHITECTURAL LIGHTING**

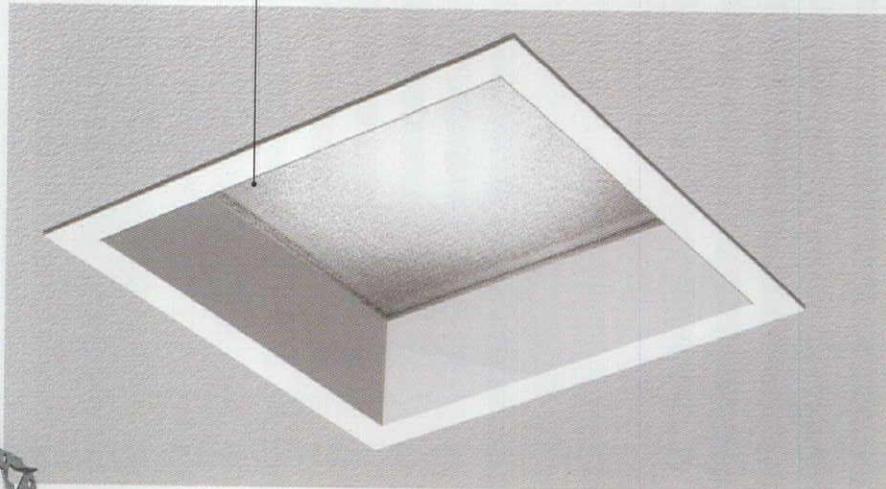
### **NAOS SERIES**

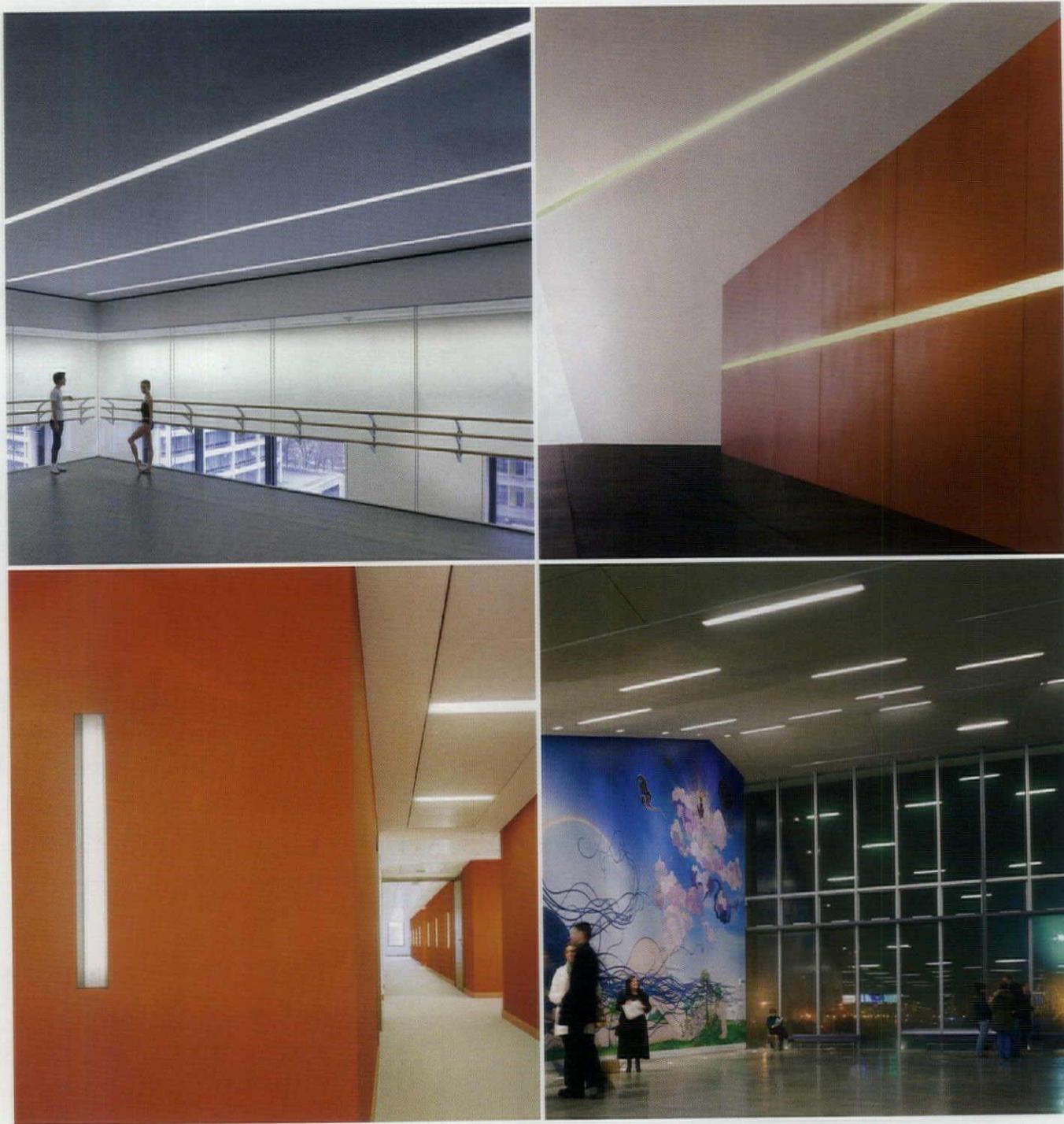
Measuring 3 1/2 inches in height with a system power consumption of only 6.5W (with a 3.6W LED) or 8W (with a 7.2W LED), the NAOS Series of recessed downlights has a CRI of 70 or 85, color temperatures of 3000K, 3500K, and 4100K, and three reflector finish options. Various optics are available, including 20-degree, 40-degree, and regressed nonconductive shower trims. • [3stylelighting.com](http://3stylelighting.com) • CIRCLE 136



## **PRESCOLITE LITEFRAME LF6CFH**

Now with watts-per-square-foot optics, the LiteFrame line of downlights features more lumens per watt. Thanks to its new optical design, it also offers more light than the typical 45-degree cutoff. The LF6CFH model, a 6-inch horizontally lamped compact fluorescent open fixture, is ideal for a variety of low- to medium-height applications and can accommodate downlight, wallwash downlight, and lensed downlight reflectors. • [prescolite.com](http://prescolite.com) • CIRCLE 137





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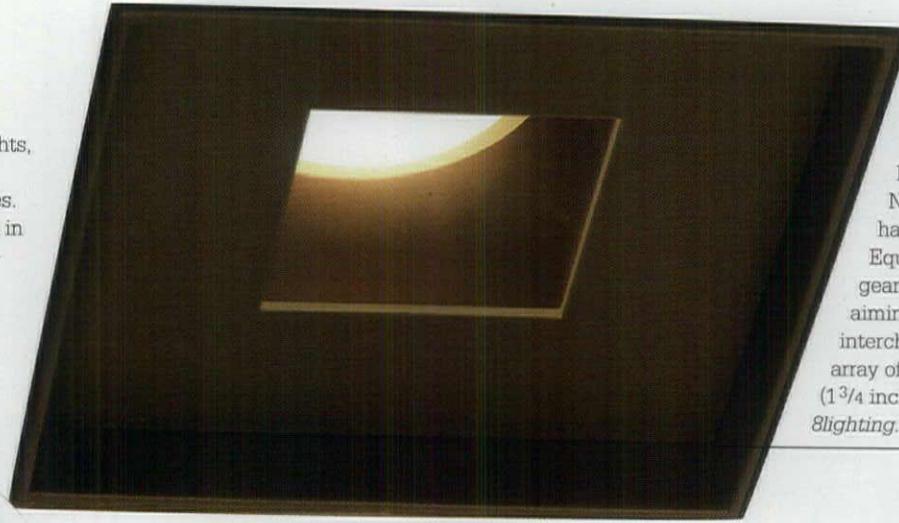


# products **DOWNLIGHTS**

## GOTHAM LIGHTING

### ECOS

A family of high-output LED downlights, ECOS is designed to deliver lumens comparable to traditional light sources. Round and square trims are available in 4- and 6-inch apertures. The shallow-profile fixtures have a nominal lumen output of 1,000 (for the 4-inch model using a 30W LED) and 1,400 (for the 6-inch model using a 38W LED). • [gothamlighting.com](http://gothamlighting.com) • CIRCLE 138



## NO. 8 LIGHTING

### CERAMIC METAL HALIDE

Expanding its line of downlights, No. 8 Lighting has added a ceramic metal halide option that uses a 20W MR16 lamp. Equipped with a toolless, fully adjustable gear-driven optical system that features hot-aiming capabilities, each fixture allows for interchangeable lamp modules and comes in an array of round and square trim options with small (1 3/4 inches) and large (2 3/4 inches) apertures. • [8lighting.com](http://8lighting.com) • CIRCLE 139



## LIGHTOLIER

### CALCULITE SOLID-STATE DOWNLIGHT

Offered in 4-inch round and square models, the dimmable Calculite Solid-State Downlight uses remote phosphor technology to redirect back-reflected light out of the luminaire. Delivering a 50-degree physical and reflected cutoff and consuming only 20W, it can achieve 1,000 lumens at 3000K, or 1,100 lumens at 4000K for task-oriented applications. • [lightolier.com](http://lightolier.com) • CIRCLE 140

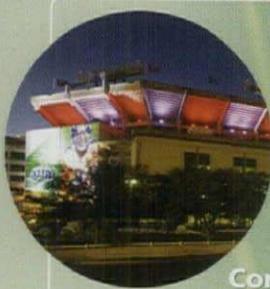


## We Light Up Every Environment

### Interiors



### Exteriors



### Residential



### Commercial



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Remember, LED Technology is as Green as it gets. Make an impact on your customer - not the environment. Circle no. 77 or <http://archlighting.com/productinfo>

# LED Source.com

[www.LEDSource.com](http://www.LEDSource.com)

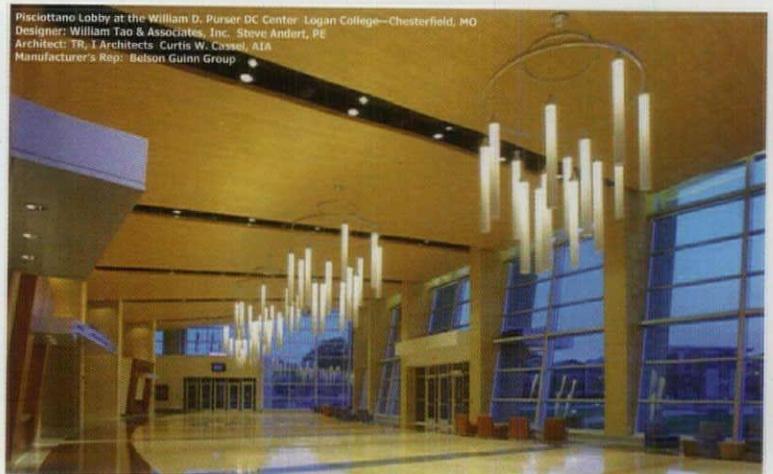
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Raymond James Stadium photo Courtesy of Philips Color Kinetics

# G Lighting

Fine Lighting Since 1908

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Placottano Lobby at the William D. Purser DC Center - Logan College - Chesterfield, MO  
Designer: William Tao & Associates, Inc. Steve Andert, PE  
Architect: TB & Architects Curtis W. Cassel, AIA  
Manufacturer's Rep: Balson Guinn Group



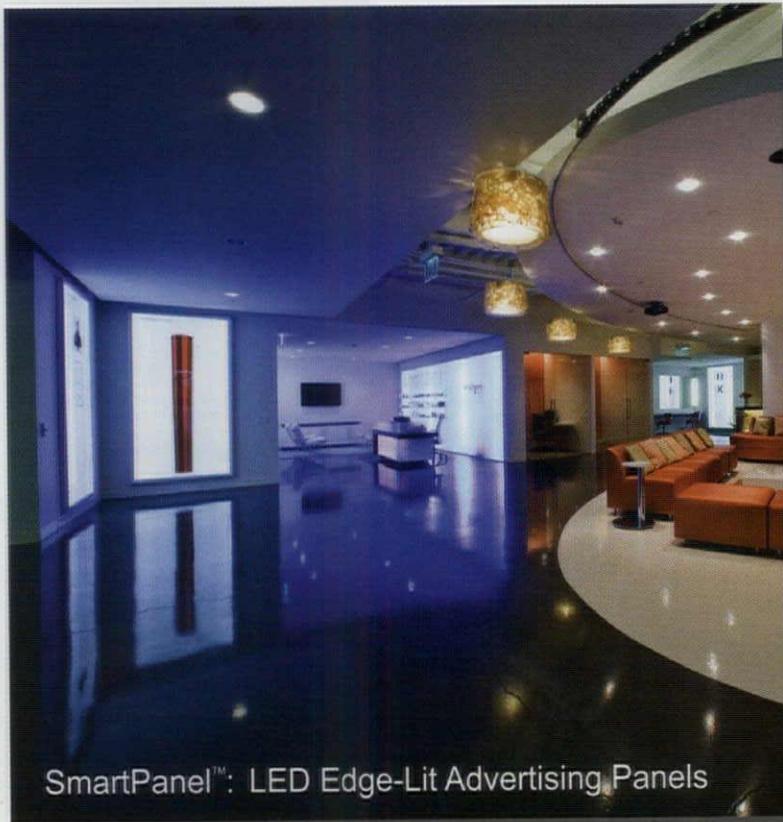
LeNorman Office Park at Gallard - Oklahoma City, OK  
Architect: C. H. Guersey & Company  
Manufacturer's Rep: Smith Lighting

[www.glighting.com](http://www.glighting.com)  
[sales@glighting.com](mailto:sales@glighting.com)

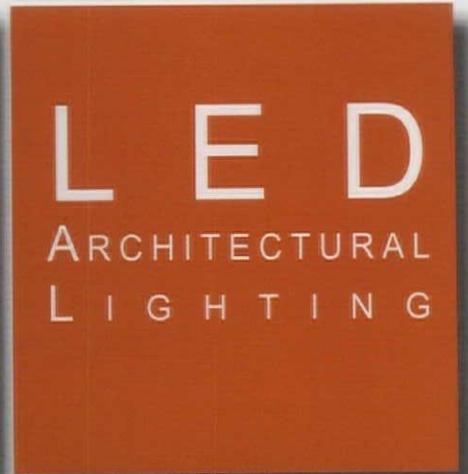
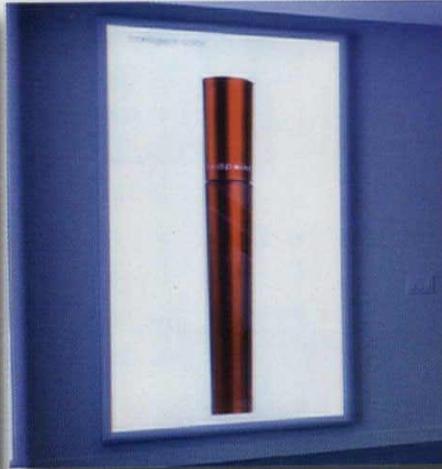
Manufacturing in St. Louis, Missouri for over 100 years. Gross Family owned and operated for four generations!

Catalog and custom lighting to meet your specifications.

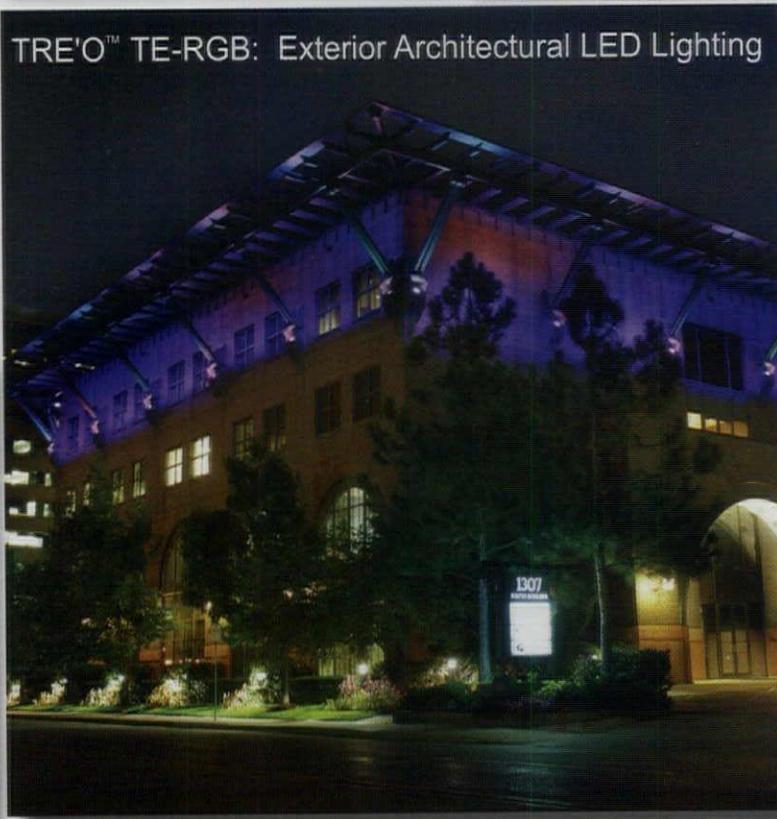
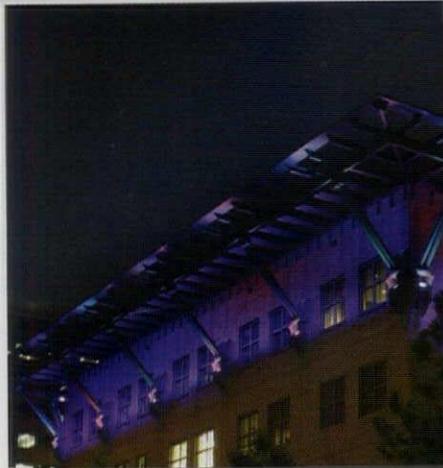
Circle no. 58 or <http://archlighting.com/productinfo>



SmartPanel™: LED Edge-Lit Advertising Panels



TRE'O™ TE-RGB: Exterior Architectural LED Lighting



## INTEGRATING COLORS AND WHITE LIGHT INTO ARCHITECTURAL LANDSCAPES

Sustainable lighting design should be more than just installing the latest LED product in a space. Insight Lighting's LED products employ a combination of sciences that create an environment of low temperature and sealed electronics. Insight's design approach relates to longer life, consistent fixture to fixture color temperatures, increased lighting uniformity and product integrity that lasts.

Insight is committed to providing digital LED product design that meets the energy and performance demands of the green architectural community. Insight Lighting's new **5 Year Warranty** clearly separates us from those manufacturers that simply market LED lighting fixtures.

For additional LED product information, please contact your local Insight representative or visit our website at [www.insightlighting.com](http://www.insightlighting.com).

INSIGHT



products **EMERGENCY / EXIT**



**LITHONIA LIGHTING**  
SOLO OVAL

Designed with architectural settings in mind, the Solo Oval exit sign features an elegant oval shape with a slim profile. It is made up of a die-cast aluminum mounting and an optics-grade acrylic panel that contains high-performance white LEDs. Features include self-diagnostics, a premium battery, and an optional fire alarm flashing interface. The mounting stem is available in dark bronze, brushed nickel, black, white, and custom finishes. • [lithonia.com](http://lithonia.com) • CIRCLE 141



**FULHAM FIREHORSE**

A new family of fluorescent emergency lighting products, FireHorse's standard features include dual voltage, a push-to-test switch, and an LED charge indicator. The fixtures are available in 22 standard models with multiple options, including battery backup, self-test diagnostic, remote capability and a choice of case, panel, letter, and face color. • [fulham.com](http://fulham.com) • CIRCLE 142

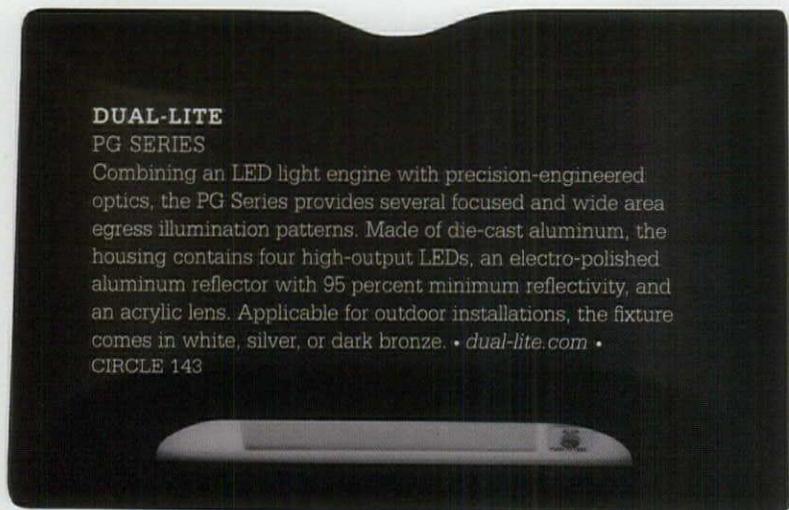


**PATHWAY LIGHTING FINE-LINE**

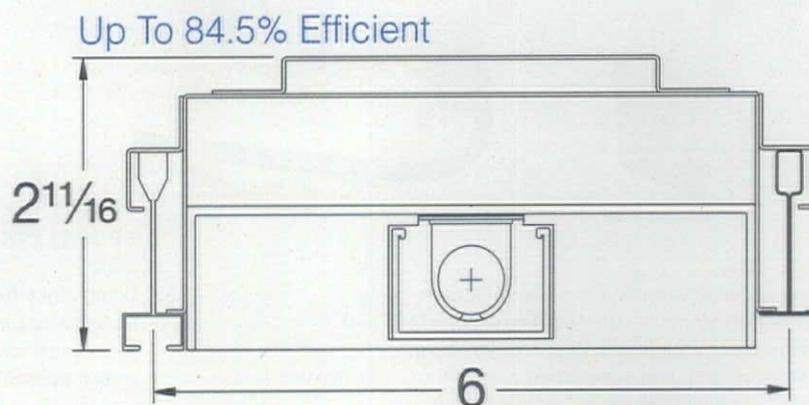
Fine-Line is an architectural-grade, superslim, die-cast aluminum exit sign that measures only 7/8 inches thick. Boasting an energy-efficient LED light source and full and even illumination, it features universal mounting, is available with red or green LED operation, and comes in a satin-brushed aluminum finish with a premium nickel cadmium battery. • [pathwaylighting.com](http://pathwaylighting.com) • CIRCLE 144

**DUAL-LITE**  
PG SERIES

Combining an LED light engine with precision-engineered optics, the PG Series provides several focused and wide area egress illumination patterns. Made of die-cast aluminum, the housing contains four high-output LEDs, an electro-polished aluminum reflector with 95 percent minimum reflectivity, and an acrylic lens. Applicable for outdoor installations, the fixture comes in white, silver, or dark bronze. • [dual-lite.com](http://dual-lite.com) • CIRCLE 143



# Datum™ Thin. Stylish. Efficient.



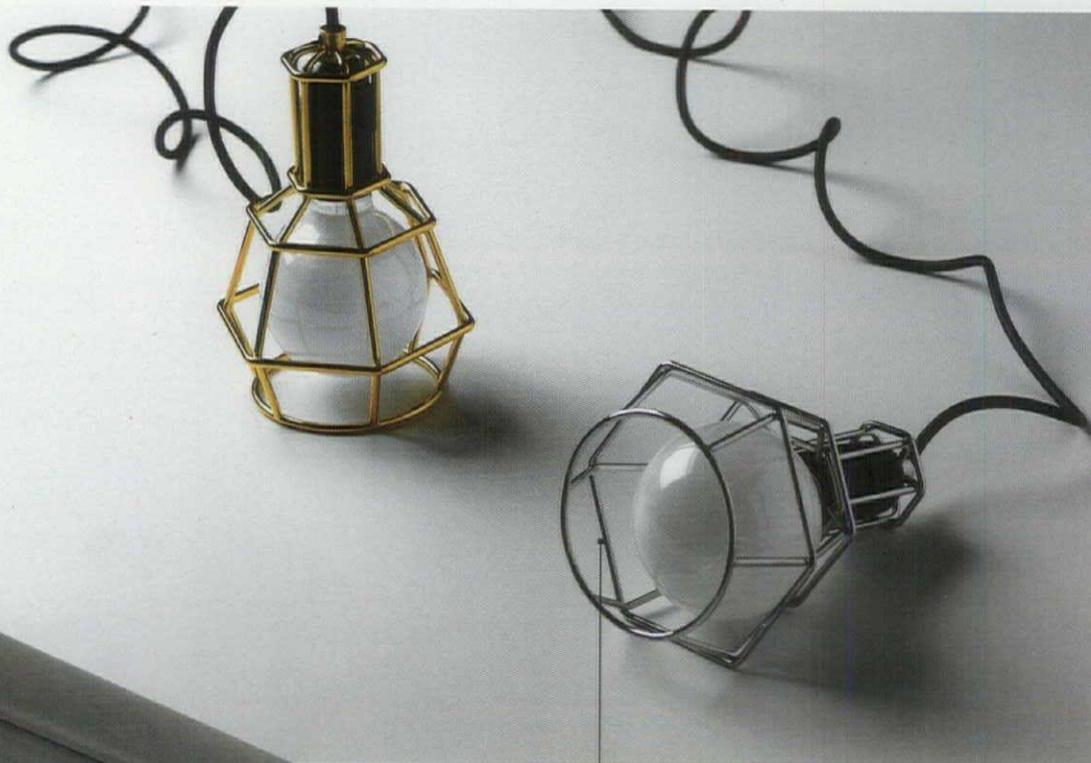
www.marklighting.com  
LightFair Booth 2157

# products **INDUSTRIAL**

## **WIDE-LITE**

### VIZORLED

Suited for parking garages and other low-bay installations, the VizorLED ceiling-mounted luminaire provides glare-free, direct downward ambient illumination in any environment. Its high-impact canopy top and acrylic lens contain a faceted, 94-percent-reflective, indirect optical system with concealed LEDs to increase visual comfort and safety. It comes in a 24-inch length with 30 or 60 LEDs and a 31-inch length with 50 or 100 LEDs. • [wide-lite.com](http://wide-lite.com) • CIRCLE 146



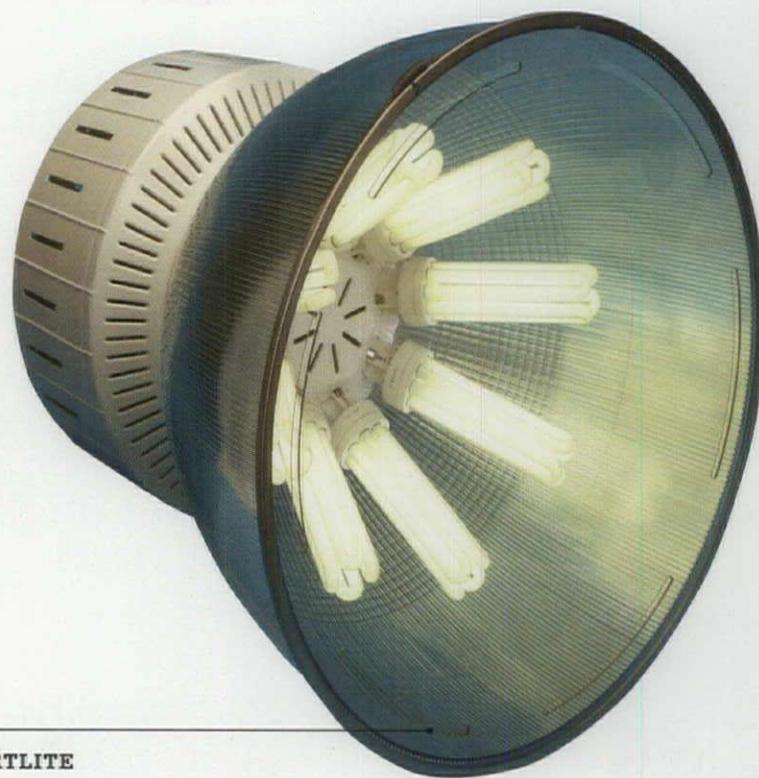
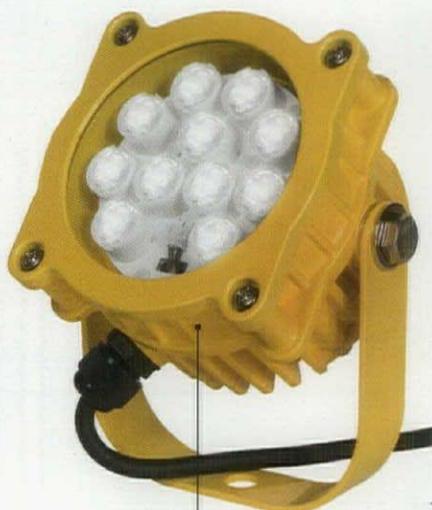
## **DESIGN HOUSE STOCKHOLM**

### WORK LAMP

The industrial-inspired Work Lamp, crafted by Form Us With Love, a Swedish design trio, displays its blue-collar roots through tough steel wiring, which in this incarnation can be chrome plated or gold tinted. Each luminaire measures 6 inches in diameter, includes a 60W lamp, and can be dimmed. • [designhousestockholm.com](http://designhousestockholm.com) • CIRCLE 147

## **BARTCO LIGHTING** BDS550

A low-profile linear T5 fluorescent diagonal stagger fixture, the BDS550 provides consistent runs of illumination thanks to its 6-inch overlapping lamp arrangement. Available for standard and high-output T5 lamps, it measures 2<sup>3</sup>/<sub>8</sub> inches wide by 2<sup>5</sup>/<sub>16</sub> inches tall, accepts standard electrical fittings, and can use a dimming ballast as well as a variety of battery backup options. • [bartcolighting.com](http://bartcolighting.com) • CIRCLE 148



## **TCP**

### ECOVARIONS LED DOCK LIGHT

An energy-efficient alternative to halogen and incandescent fixtures used in shipping and receiving loading docks, the 16W EcoVations LED Dock Light is built to withstand harsh conditions. With a 50,000-hour life span, according to the manufacturer, it is available as a retrofit for existing dock arms or as a package including a dock arm and mounting hardware for new construction or replacements. • [tcp.com](http://tcp.com) • CIRCLE 149

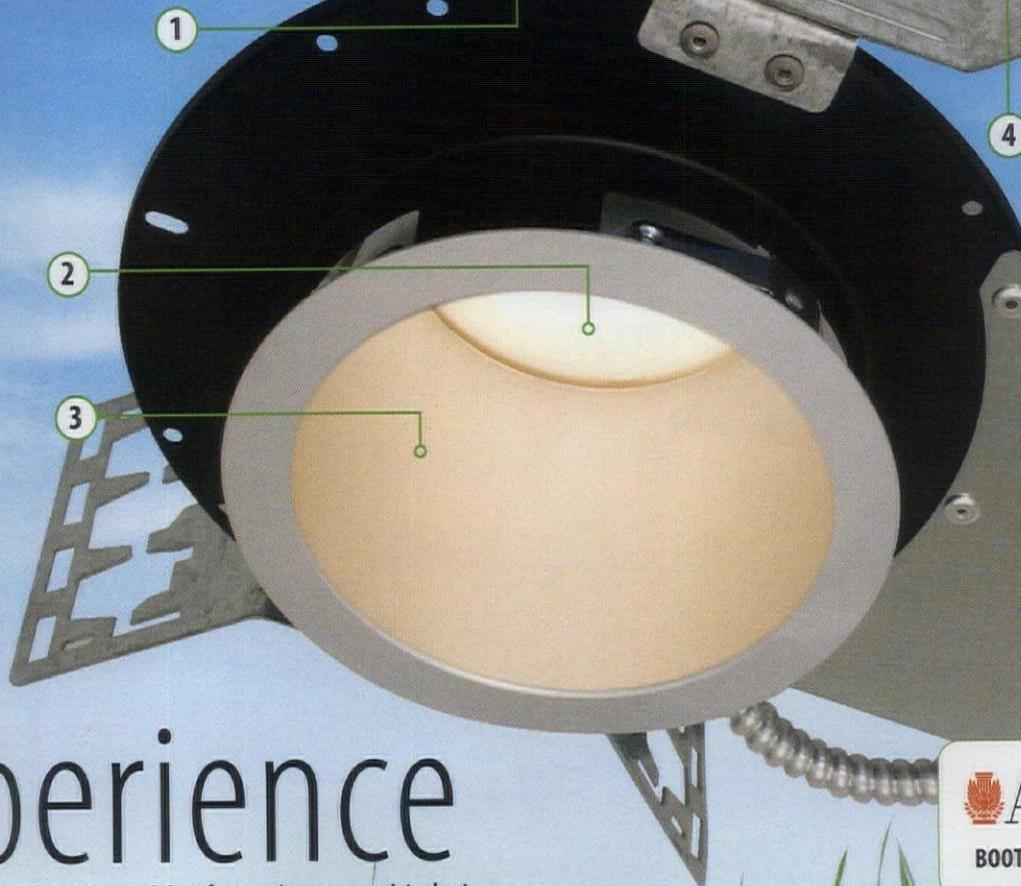
## **SPORTLITE**

### TDX

Using eight 70W lamps, the TDX architectural-grade compact fluorescent high-bay luminaire can generate 41,600 lumens, making it ideal for a variety of commercial applications. It has a lamp life of 20,000 hours, is available with a clear polycarbonate, aluminum, or a pearlescent dome, and can also be used with 120W, 85W, 60W, 57W, 42W, 32W, and 26W lamps with two-, three-, or four-level switching. • [sportlite.com](http://sportlite.com) • CIRCLE 150

# SOLID STATE

ARCHITECTURAL DOWNLIGHTING



## eXperience

The New SS4 from Intense Lighting



See the New **SS4** at  
AIA Expo 2009, San Francisco CA  
April 30 - May 2

## SS4

The all-new SS4 has set the standard for solid state lighting for commercial applications. By incorporating excellent light control, high lumen output and energy savings, the SS4 is a true specification-grade LED recessed luminaire that delivers 700 lumens at only 14 watts.

- Input Power = 14W
- Lighting Output = 700 lumens
- 55° Cut Off Meets IESNA RP-1
- 3500K Color Temperature
- 83 CRI
- 0-10V Dimming Down to 5%
- 120/277V Universal Voltage
- 50,000 Hours Rated Life
- 3 Year Warranty
- Emergency Backup

For more information on the new SS4 and other "Intense" products, visit [www.intenselighting.com](http://www.intenselighting.com).

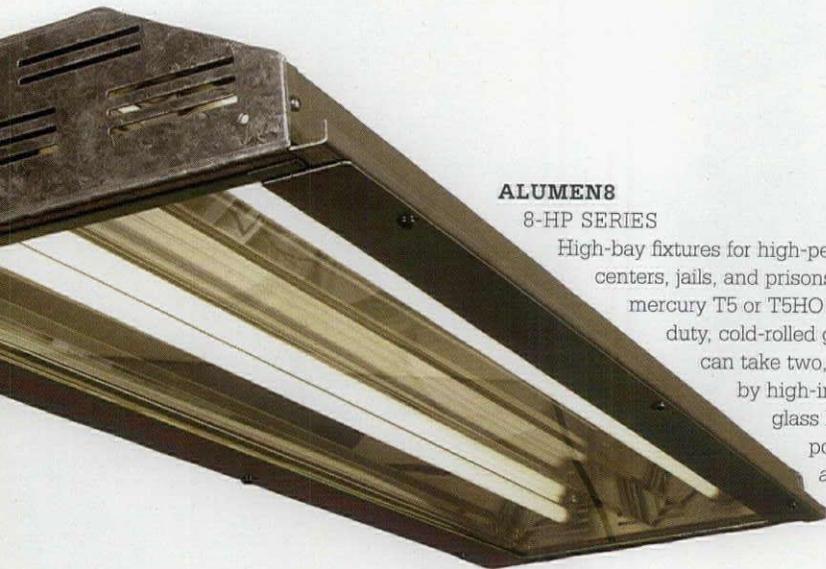


**Now Available!**  
The All-New Intense Lighting  
Comprehensive Lighting Catalog Edition VI  
Visit [www.intenselighting.com](http://www.intenselighting.com) to request your copy.

- 1 Guaranteed Footprint:**  
*Any upgrades in performance will be done in the same module size allowing a guaranteed future replacement for the installed fixture. LED light engine is easy to replace with a twist and lock mounting system.*
- 2 Innovative Optical Design:**  
*Aesthetically pleasing direct-view look of a traditional lamp and not the "multi-point" look of other LED module solutions.*
- 3 Superior Shielding and Glare Control:**  
*High quality specification-grade reflector system provides excellent shielding at 55 degree cutoff and meets IESNA RP-1.*
- 4 Thermal Management:**  
*Controlled heat dissipation keeps LEDs cool and ensures operation up-to 50,000 hours.*  
Circle no. 79 or <http://archlighting.com/productinfo>



# products **INDUSTRIAL**



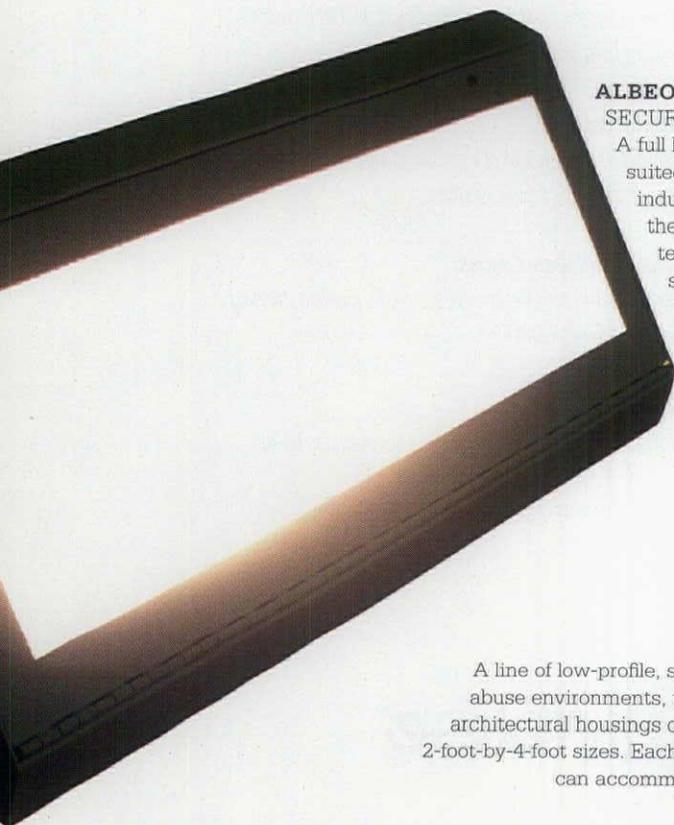
## **ALUMEN8** 8-HP SERIES

High-bay fixtures for high-performance ambient lighting in detention centers, jails, and prisons, the 8-HP Series uses energy-saving, low-mercury T5 or T5HO linear fluorescents. Constructed from heavy-duty, cold-rolled galvanized or stainless steel, each luminaire can take two, three, or four lamps, which are shielded by high-impact-resistant polycarbonate or tempered glass lenses. Emergency battery-pack backup power and dimming ballasts are offered. • [alumen-8.com](http://alumen-8.com) • CIRCLE 151



## **METALUX** SSF AND SNF FLIP-UP STRIP SERIES

Available in 2-, 3-, 4-, and 8-foot lengths with one or two T5, T8, or T12 lamps, the SSF series of wide strip luminaires and the SNF series of narrow strip luminaires were designed with an easy-to-use flip-up socket to reduce installation time and allow for various mounting methods. The multipurpose fixtures come with optional symmetrical and asymmetrical reflectors to increase performance and application versatility. • [metalux-lighting.com](http://metalux-lighting.com) • CIRCLE 153



## **ALBEO TECHNOLOGIES** SECURITYLED

A full line of general illumination light fixtures suited for high-abuse commercial and industrial facilities, SecurityLED is built with the company's white-LED TEMPR thermal technology. Each luminaire has a heavy-gauge steel housing, thick polycarbonate lenses, stainless-steel tamper-proof fasteners, and a polyester powder-coated finish. • [albeotech.com](http://albeotech.com) • CIRCLE 154



## **AFFINEON LIGHTING**

**BAY-1500-W LED INDUSTRIAL SERIES**  
The Bay-1500-W LED Industrial Series of low-, medium-, and high-bay fixtures was designed for retail, commercial, and warehouse interiors. Measuring 24 inches in diameter and consuming 81W of power from 72 high-brightness LEDs—in cool, daylight, or warm white—each model features a clear prismatic acrylic reflector, a glass trim ring, and decorative chrome hanging bars, and has beam angles of 10, 40, 90, and 120 degrees. • [affineonlighting.com](http://affineonlighting.com) • CIRCLE 152



## **MORLITE** MINI INDUCTION LAMP SERIES

A line of low-profile, surface-mounted ceiling luminaires for use in low- to moderate-abuse environments, the Mini Induction Lamp Series features sturdy, 18-gauge steel architectural housings offered in 1-foot-by-1-foot, 1-foot-by-2-foot, 2-foot-by-2-foot, and 2-foot-by-4-foot sizes. Each fixture takes one 100W or 150W magnetic induction lamp and can accommodate a clear tempered glass or prismatic polycarbonate lens. • [morlitelighting.com](http://morlitelighting.com) • CIRCLE 155

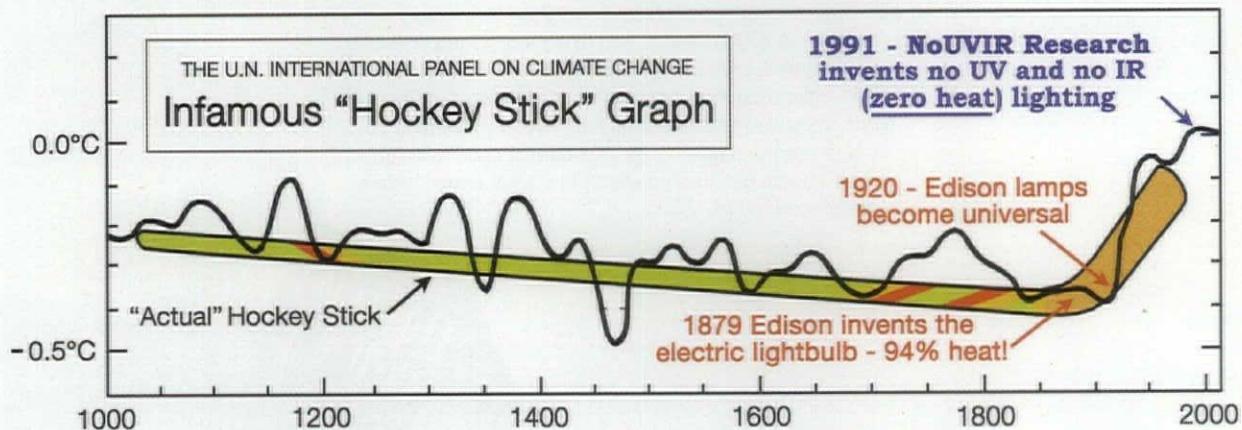
# NoUVIR LIGHTING ENDS GLOBAL WARMING!

## UN Global Temperature Data Shows Direct Link to Advances in Lighting!

**New York** - Recent U.N. global temperature data shows a remarkable correlation to historic events in the lighting industry. The U.N.'s infamous "Hockey Stick" Graph shows that despite a gradual overall decline in temperatures over the proceeding millennium, even when including the period of the Industrial Revolution, the adoption of incandescent and fluorescent lighting corresponds with a sudden rapid increase in world wide temperatures.

Some experts argue that the 94% infrared content of incandescent lamps and the 70% IR of fluorescent lights are responsible for much more than fading, photochemical and photomechanical damage. While there are a number of factors involved, the fact remains that the increase in global temperatures almost exactly matches the growth of

conventional lighting. It is also true that increases in global temperatures stopped and then reversed at about the same time that NoUVIR Research began reducing energy use with hugely efficient, UV and IR free, fiber optic lighting.



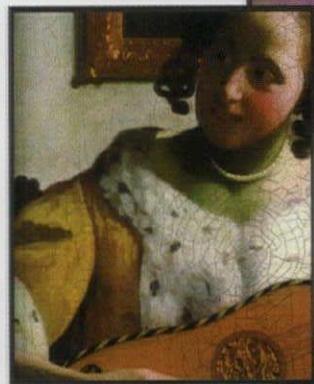
"The president says, 'Never waste a crisis.' Perhaps climate change and financial crisis will finally make us look at the efficiency of our lighting." said **(CONT. PG. A-8)**

**NoUVIR—  
No Fading**

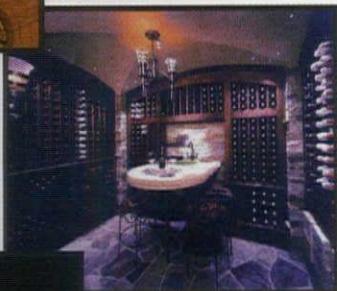


**No Cracking**

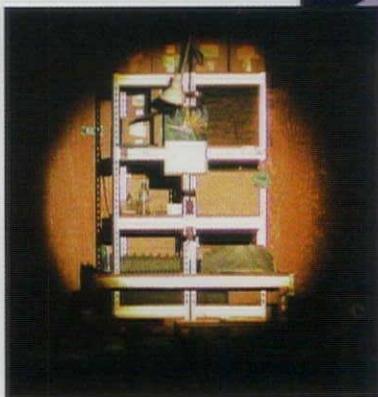
**No Drying**



**No Heat  
No Scatter  
No Spill**



**Perfect adjustable  
5-50°  
beams,  
even  
from  
60-feet**



**Maybe the climate change thing  
is just a coincidence. But...**

- **32 adjustable spotlights with only one light bulb**
- **Documented 70% gallery energy savings**
- **Fully recyclable materials**
- **a 10-year hardware warranty**
- **and NO HEAT! (zero, zip, nada)**

**...sure can't hurt!**

**Pure-white, stone-cold, fiber optic light  
with no UV and no IR... only from NoUVIR**

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**Perfect color, awesome control, incredible energy savings, and no UV or IR!**

Call **NoUVIR Research 302-628-9933** for 130-pages of photometry, ideas, and applications.  
(Or visit [www.nouvir.com](http://www.nouvir.com))

# LAMPS/BALLASTS/CONTROLS

## PHILIPS T8 U-BENT LAMPS

Suitable for 2-foot-by-2-foot fixtures in a range of retail, office, school, and hospital settings, the 29W and 31W T8 U-bent lamps each contain only 3 mg of mercury. Available in 3000K, 3500K, and 4100K color temperatures, they feature a high lumen maintenance of 95 percent and a color rendering index of 85. Measuring 1 5/8 inches wide, they also deliver 30,000 hours of rated average life at 12 hours per start and 24,000 hours of rated average life at 3 hours per start on electronic instant-start ballasts.

• [philips.com](http://philips.com) • CIRCLE 156

## OSRAM SYLVANIA

**METALARC POWERBALL EL ECOLOGIC**  
A 24W PAR30LN ceramic metal halide lamp with an integrated ballast, the Metalarc Powerball El Ecologic contains a spherical arc tube that provides high CRI and excellent red rendering with enhanced R9 for vibrant colors and crisp whites. Offering energy savings, longer life (12,000 hours average rated life), and higher efficiency than a halogen lamp, it has beam angles of 10, 15, 25, and 40 degrees.

• [www.sylvania.com](http://www.sylvania.com) • CIRCLE 157



## LEVITON

### WIRELESS OCCUPANCY SENSOR

Part of Leviton's integrated architectural lighting and energy management control offerings, the Wireless Occupancy Sensor, with energy-saving benefits and simple installation, is applicable for retrofit projects. Its automatic shutoff time can be adjusted, and an integrated solar cell powers the sensor using ambient light, eliminating the need for batteries.

• [leviton.com](http://leviton.com) • CIRCLE 239



## CRESTRON IPAC-GL1

A compact, low-cost solution for many lighting (and automation) applications, the IPAC (Integrated Professional Automation Computer)-GL1 was designed for simple wall-mount installation. Its front panel controls and LCD display deliver a user-friendly interface. Built-in relays, sensor inputs, and Ethernet, Cresnet, and RS-232 ports enable connectivity to numerous devices, controls, and networks.

• [crestron.com](http://crestron.com) • CIRCLE 159

## GARDCO LIGHTING COSMOPOLIS

Combining a new white-light ceramic metal halide lamp and an optimized electronic ballast, the CosmoPolis outdoor lighting system from Gardco, a Philips group brand, maximizes performance, improves visibility, and provides a long life—20,000 hours at 60W and 30,000 hours at 140W—with low power consumption. Its highly visible white light has an initial lumen output of 6,900 lumens at 60W and 16,500 lumens at 140W, resulting in the need for fewer fixtures.

• [sitelighting.com](http://sitelighting.com) • CIRCLE 240

ENGINEERING SAMPLE

**ADVANCE**  
ELECTRONIC BALLAST MANUFACTURER  
Catalog No. IMH-60-X-XX

For (1) Philips 60W Cosmo White Lamp (CPO TW 60W)

Intellivoi® 200-277V, 50/60HZ  
High Power Factor (>0.9)  
Sound Rated A  
Fixed Output

Input Voltage	Input Current (Amps)	Input Power (Watts)
200V	0.30	60
277V	0.51	150

• Ballast output will shut down after 20 minutes if lamp does not light.  
• Power must be reset after rearing lamp to restore output.  
• Maximum case temperature 85°C for full rated life.  
• Maximum ballast to lamp is 20:1 (20A:1A).  
• Designed for outdoor use - withstands 10kV T/L.  
• Thermally protected - if lamp cycles off, reset power to restore output.

Connect to:  
Lamp: 200-277V



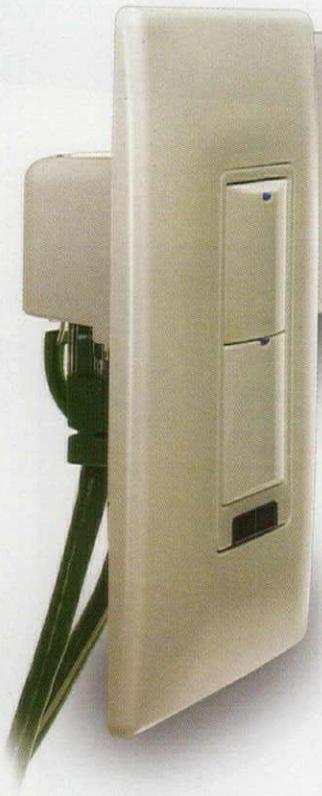


products **LAMPS/BALLASTS/CONTROLS**

**WATTSTOPPER/LEGRAND**

**DIGITAL LIGHTING MANAGEMENT**

A suite of plug-together lighting controls with automated self-configuring sensors, switches, and other components, Digital Lighting Management (DLM) has been engineered to meet and exceed energy codes and facilitate sustainable development for both new construction and retrofit projects. Equipped with bilevel control, daylight harvesting, and dimming, the system also features a Push 'n' Learn mode to quickly adjust parameters without the need for tools or a PC and infrared-enabled components for easy modifications. • [wattstopper.com](http://wattstopper.com) • CIRCLE 242



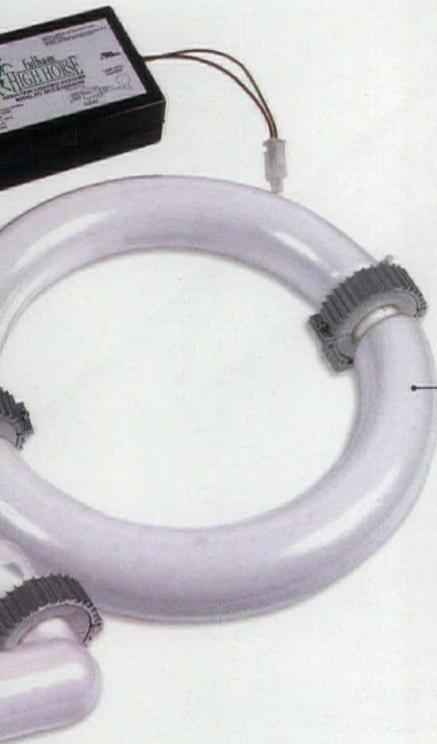
**75** <sup>TH</sup>  **KIM LIGHTING**  
**ANNIVERSARY**

Congratulations to **KIM LIGHTING** on 75 Shining Years from all of us at **ARCHITECTURAL LIGHTING (A|L)**.

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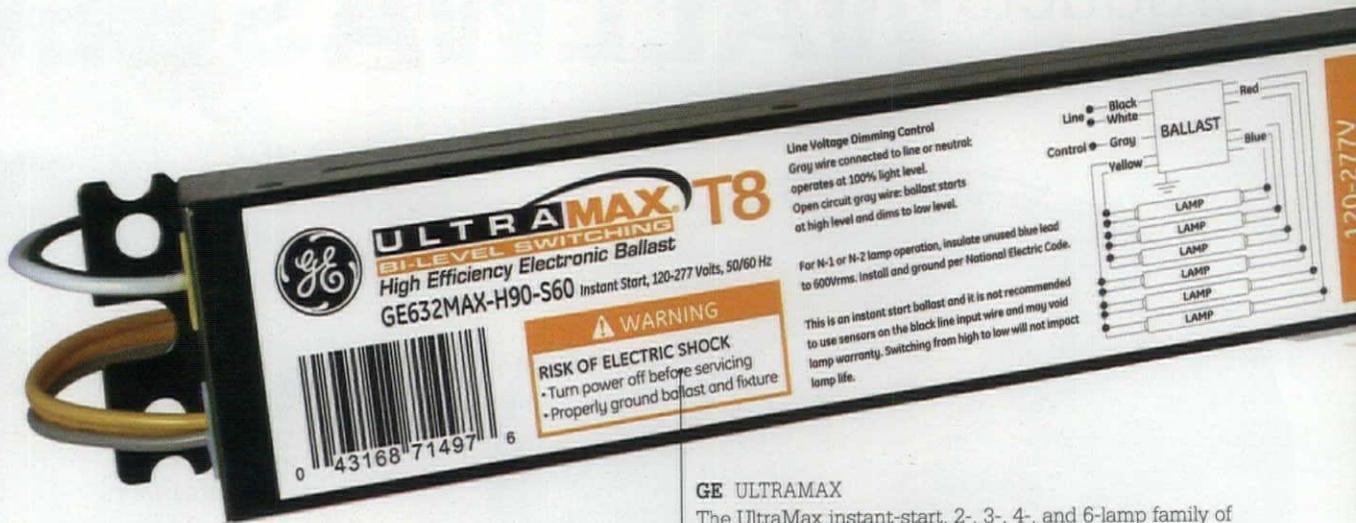
Main (626) 968-5666  
[www.kimlighting.com](http://www.kimlighting.com)  
Circle no. 55 or <http://archlighting.com/productinfo>

**A|L**  
architectural lighting



**FULHAM HIGHHORSE**

A new family of induction lighting systems, HighHorse's features include ultralong life and excellent color rendering while delivering a higher level of maintained lumens over a longer period of time. Available from 40W to 400W in a variety of configurations, each comes in color temperatures from 4000K to 5000K with other color and dimming options available on request. • [fulham.com](http://fulham.com) • CIRCLE 243



**GE ULTRAMAX**

The UltraMax instant-start, 2-, 3-, 4-, and 6-lamp family of bilevel dimming ballasts features parallel-wired units that can operate standard- or reduced-wattage F32T8 lamps and dim them down to 60 percent. Each low-profile housing is equipped with multivoltage input for line voltages from 108V to 305V and switching can be achieved with the use of simple single-pole switches or other more versatile power-line occupancy sensors. • [gelifting.com](http://gelifting.com) • CIRCLE 244



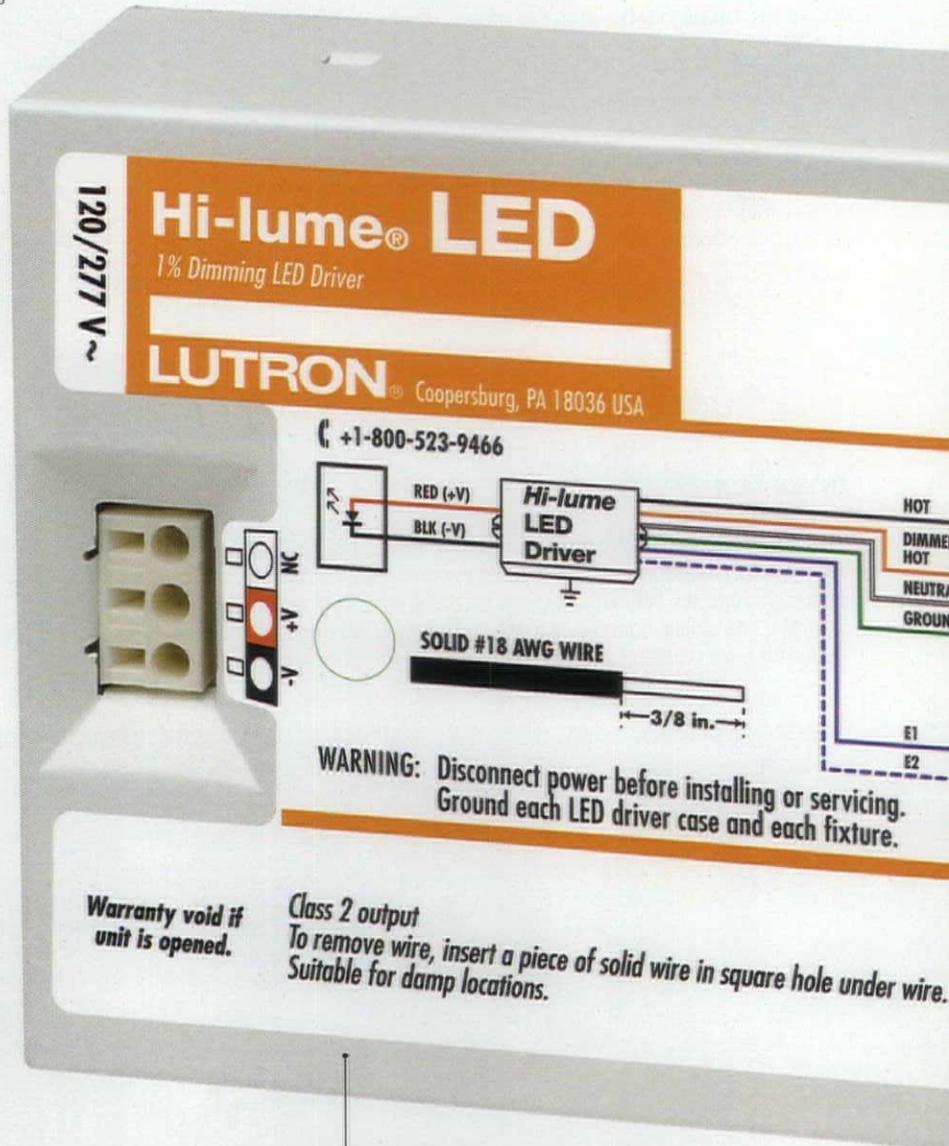
**ELDOLED LM-DOT CONNECTOR**

The newest member of the LM Series, the LM-Dot Connector is an ideal driver for high-power LED lighting applications. DMX- and LedSync-compatible, it can support multiple currents, a 15-bit control resolution, dimming, color control, and bidirectional communication. Measuring approximately 3 1/2 inches wide by just under 2 inches tall, it also features robust thermal management. • [eldoled.com](http://eldoled.com) • CIRCLE 245



**PHILIPS ACTILUME**

Made up of a controller, a state-of-the-art multisensor, a remote control, and Philips Advance ballasts, the easy-to-install ActiLume lighting control system delivers maximum visual comfort and energy savings of up to 65 percent to the commercial sector. Designed with a low-profile housing, it can drive up to nine ballasts per system and control up to two zones independently. It also can accommodate DALI-compatible ballasts to further maximize its energy-savings potential. • [philips.com](http://philips.com) • CIRCLE 246



**LUTRON HI-LUME**

A high-performance, universal voltage driver that provides energy-efficient LED dimming from 100 percent to 1 percent of light output, Hi-lume is compatible with numerous lighting control products as well as three-wire controls. Intended for downlighting, it has a 50,000-hour life span and internal thermal management to safely reduce light and power when operating at excessive temperatures. • [lutron.com](http://lutron.com) • CIRCLE 247

# products **WALLWASHERS**



## LUCIFER LIGHTING

DL66ZP

The DL66ZP recessed round wallwash downlight features an angled lamp holder for even wallwashing. It is constructed of stainless steel with an integral silicone gasket to prevent water intrusion; a sealed, die-cast, wide aperture; and a baffle to minimize aperture glare. It can take a variety of sources from halogen to LEDs, is offered in five finishes, and can accommodate two additional lenses and/or louvers. • [luciferlighting.com](http://luciferlighting.com) • CIRCLE 248

## ENGINEERED LIGHTING PRODUCTS

AWW

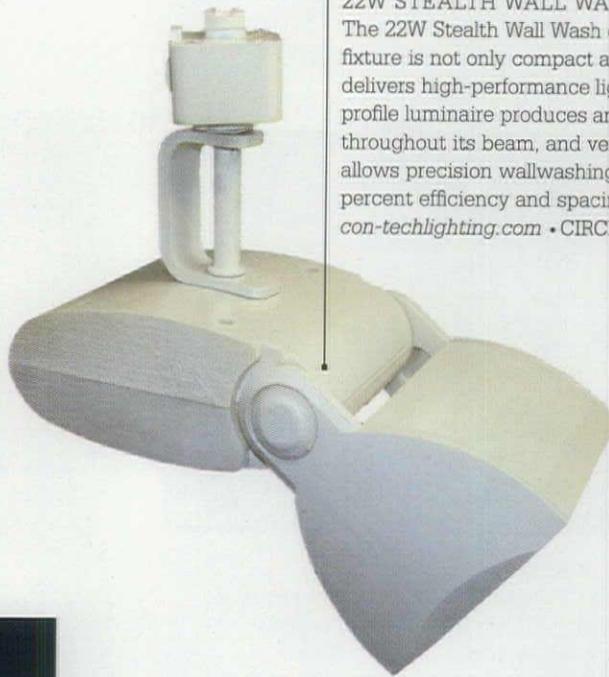
The AWW is an adjustable wallwash fixture that can be easily adjusted from below (up to 45 degrees) to give a sharp cutoff at the top of the surface that is to be illuminated. Available with T5 and Biax lamps, it comes in 2- or 4-foot lengths for recessed, surface, or pendant installations; can be spaced at 8-foot centers; and is equipped with high-purity aluminum reflectors for an even, unscaloped light. • [elplighting.com](http://elplighting.com) • CIRCLE 170



## CON-TECH LIGHTING

22W STEALTH WALL WASH

The 22W Stealth Wall Wash ceramic metal halide track fixture is not only compact and energy efficient, but it delivers high-performance light output, too. The low-profile luminaire produces an even light distribution throughout its beam, and vertical and horizontal cutoff allows precision wallwashing capabilities with 70 percent efficiency and spacing of 4 feet on center. • [con-techlighting.com](http://con-techlighting.com) • CIRCLE 172



## INTER-LUX

SCHMITZ NORDIC

Measuring just under 1 1/2 inches thick, the minimal Schmitz Nordic stainless steel luminaire is offered in three heights: approximately 12 inches, 20 inches, and 29 1/2 inches. It takes six 1W LEDs and can be fitted with a ribbed or anodized aluminum reflector. The smallest model also can be mounted horizontally at a 45-degree angle. • [inter-lux.com](http://inter-lux.com) • CIRCLE 171



## ZUMTOBEL

BASYS

A contemporary downlight family, BASYS provides efficiencies as high as 81 percent, contains a lower parabolic reflector with a 45-degree cutoff, and includes 4- and 6-inch-aperture models that take ceramic metal halide, compact fluorescent, and low-voltage lamp sources. Functions include uniform wallwashing, hot aiming, and pull-down relamping. • [zumtobel.us](http://zumtobel.us) • CIRCLE 173



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THE "I" IN BIM**



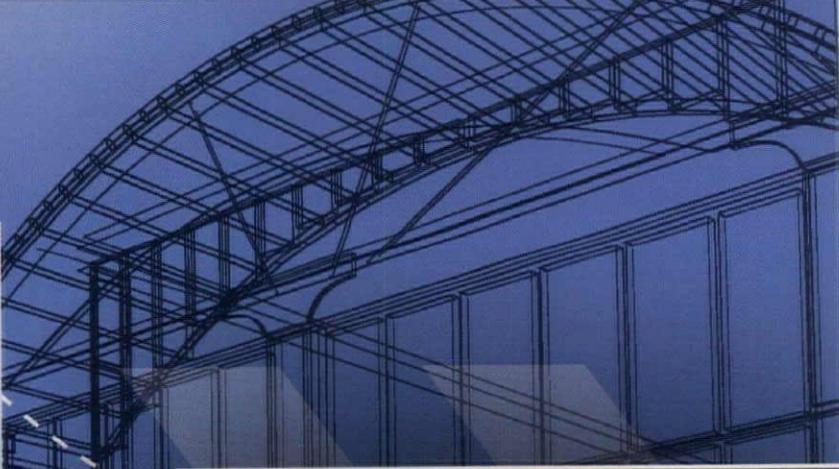
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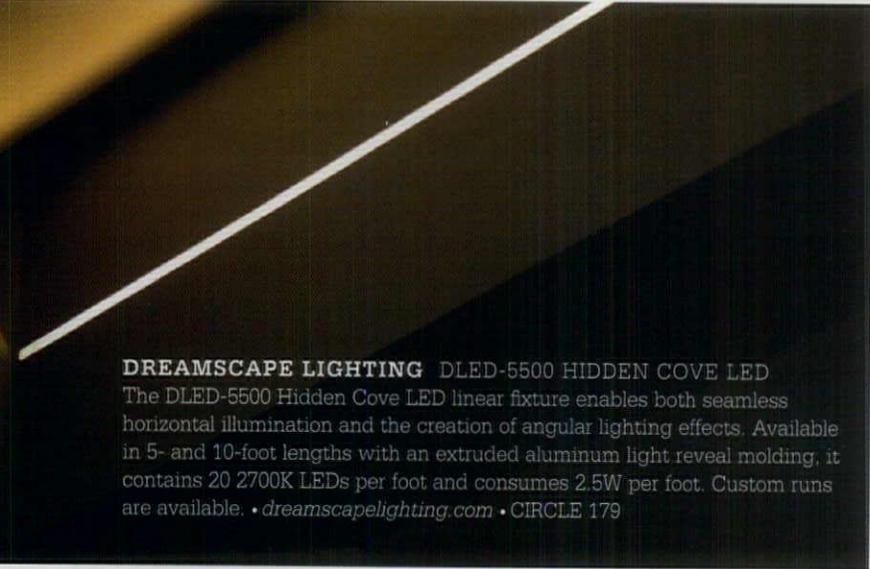


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# products **LEDS**



## **DREAMSCAPE LIGHTING** DLED-5500 HIDDEN COVE LED

The DLED-5500 Hidden Cove LED linear fixture enables both seamless horizontal illumination and the creation of angular lighting effects. Available in 5- and 10-foot lengths with an extruded aluminum light reveal molding, it contains 20 2700K LEDs per foot and consumes 2.5W per foot. Custom runs are available. • [dreamscapelighting.com](http://dreamscapelighting.com) • CIRCLE 179



## **HYDREL** PARADOX 10

Designed for uplighting architectural and landscape features, Hydrel's Paradox 10 in-grade luminaire uses a 22W RGB LED array to create DMX-controlled color-changing effects. Made up of a die-cast bronze or stainless steel door and a tempered clear flat borosilicate glass lens, the 10-inch-diameter fixture offers spot, medium flood, wide flood, and linear spread distributions and comes in natural bronze, stainless steel, or stainless steel with a brushed finish. • [hydrel.com](http://hydrel.com) • CIRCLE 190



## **JUNO LIGHTING GROUP** LED DOWNLIGHT

Offered in 5- and 6-inch sizes (in new construction and remodel styles) with color temperature options of 3000K, 3500K, and 4100K, the dimmable LED downlight consumes just 14W. A computer-optimized reflector and high-transmission diffusing lens create an optical system that delivers more than 600 lumens, and an integral heat sink allows for the efficient dissipation of heat. • [junolightinggroup.com](http://junolightinggroup.com) • CIRCLE 191



## **GE** IMMERSION

Using specially designed optics to focus peak light at the center of the case, Immersion LED display case lighting distributes light more evenly and produces a bright and uniform illuminance level of 1,500 lux. Available in 6-inch increments—from 24 inches to 72 inches—the fixture features multiple point sources of light for increased sparkle, while a close edge-to-edge fit reduces shadows. The luminaire comes in color temperatures of 3500K or 4200K. • [gelifting.com](http://gelifting.com) • CIRCLE 192



## **CREE** LR24

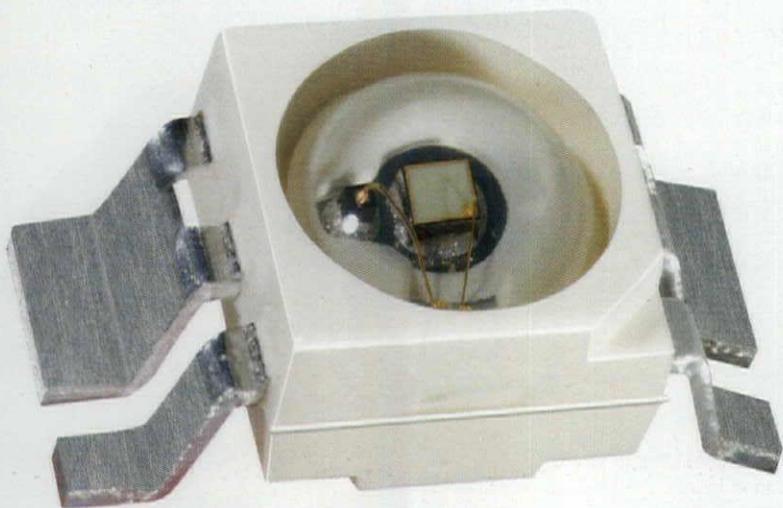
A 24-inch-square recessed LED luminaire, the LR24 produces high-quality, energy-efficient, uniform light for suspended-ceiling applications traditionally addressed by linear fluorescents. It delivers a color rendering index of 92 at only 0.5W to 0.75W per square foot, and is dimmable to 5 percent. • [creelighting.com](http://creelighting.com) • CIRCLE 193



**FAWOO TECHNOLOGY**

**LUMIDAS-H**

Developed to replace 100W to 150W metal halide lamps, the LumiDas-H 22W dimmable LED PAR42 lamp contains 121 LEDs, provides 65 lumens per watt, and has a life span of 50,000-plus hours, according to the manufacturer. Measuring 6 inches in diameter, it has a 110-degree angle and is offered in color temperatures of 2950K, 3700K, and 5300K. • [fawoo.com](http://fawoo.com) • CIRCLE 198



**OSRAM OPTO SEMICONDUCTORS**

**ADVANCED POWER TOPLED PLUS**

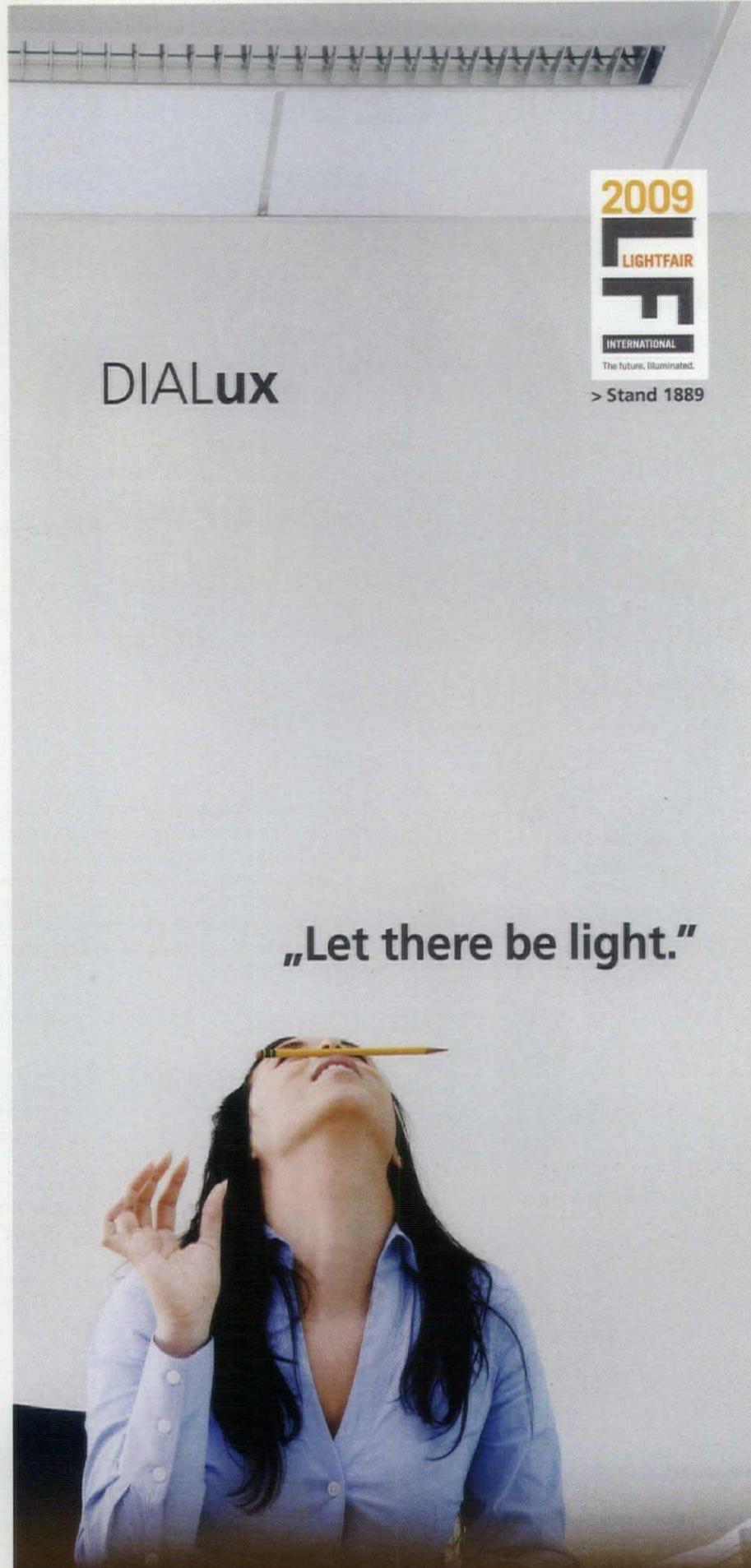
An ultra-white LED that delivers high brightness, low power, and high efficiency in a compact package, the Advanced Power TOPLED Plus uses the company's ThinGaN chip technology and chip level conversion to produce 75 lumens per watt. Available in whites ranging from 2700K to 6500K, it is fitted with a clear silicone lens for greater light extraction efficiency, consumes 0.5W, and is suited for a variety of indoor and outdoor applications. • [osram-os.com](http://osram-os.com) • CIRCLE 199



**JUNO LIGHTING GROUP**

**TRAC 12 TL201LEDX SERIES**

Ideal for undercabinet and cove lighting, the second-generation Trac 12 TL201LEDX Series modules provide around 30 percent more light than their original counterparts and have a wide 140-degree light distribution. The slim, 1-inch, 0.7W, 1.3W, and 1.6W modules are fully dimmable, offered in 3000K or 4100K color temperatures, and come in a housing with a white or black finish. • [junolightinggroup.com](http://junolightinggroup.com) • CIRCLE 195



**DIALux**



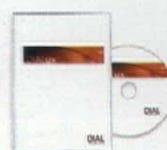
> Stand 1889

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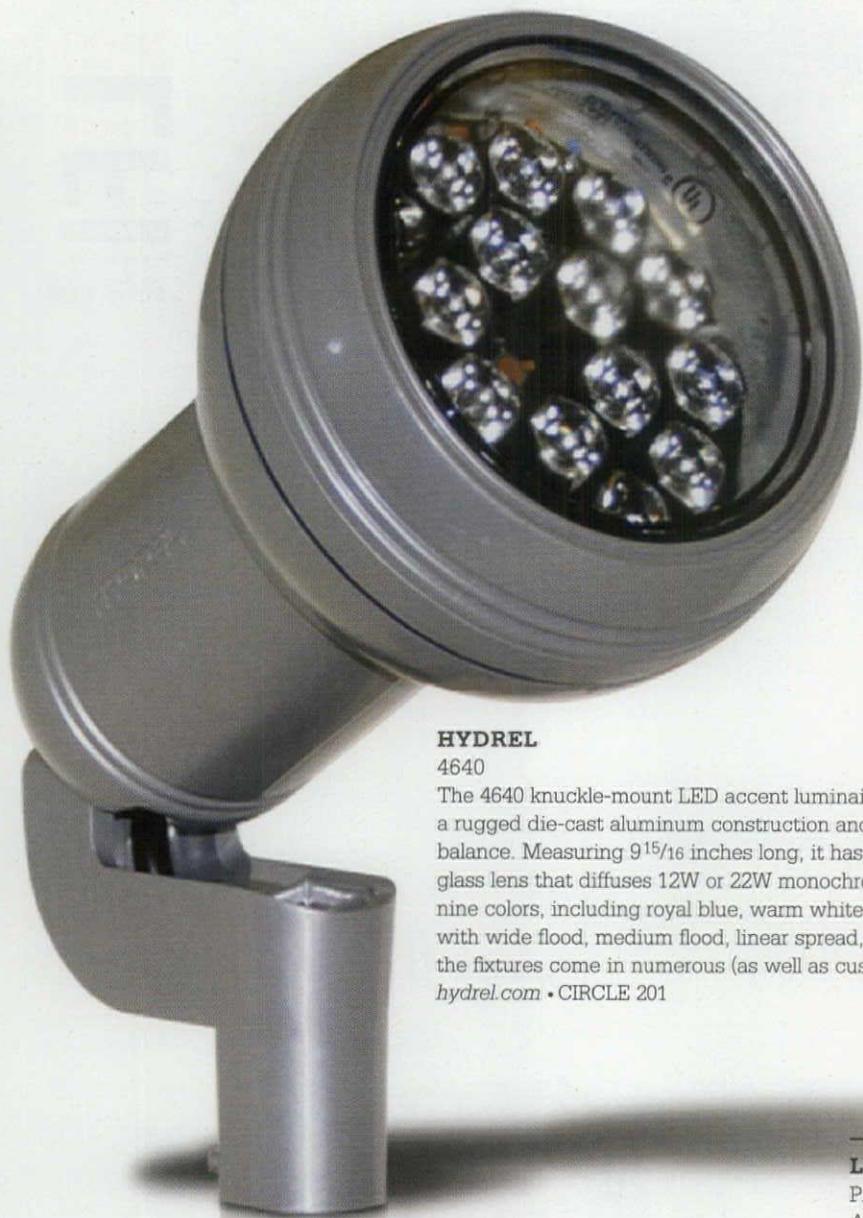
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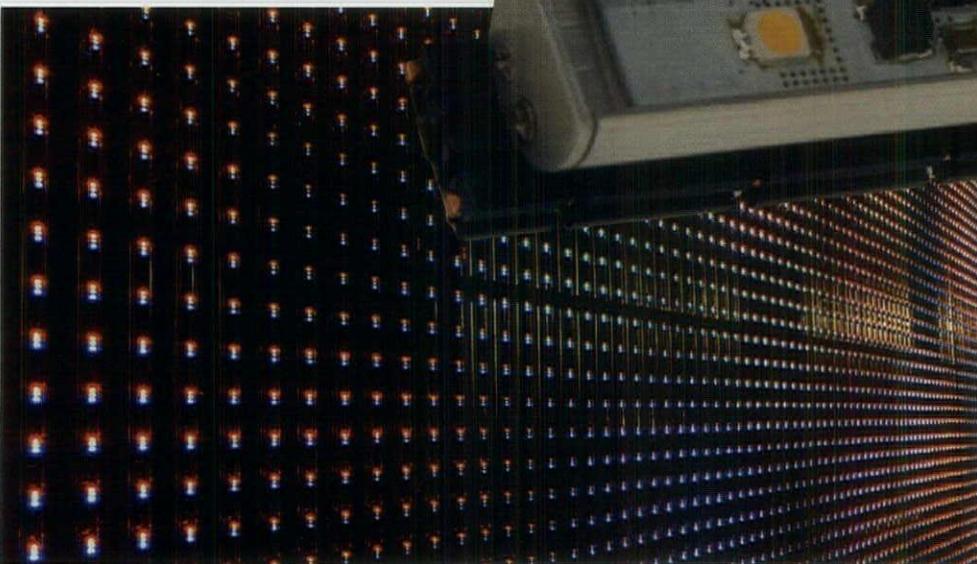


**HYDREL**  
4640

The 4640 knuckle-mount LED accent luminaire is designed with a rugged die-cast aluminum construction and an offset swivel for balance. Measuring 9<sup>15</sup>/<sub>16</sub> inches long, it has a crowned tempered-glass lens that diffuses 12W or 22W monochromatic LEDs offered in nine colors, including royal blue, warm white, and cyan. Available with wide flood, medium flood, linear spread, and spot distributions, the fixtures come in numerous (as well as custom) finishes. • [hydrel.com](http://hydrel.com) • CIRCLE 201

**CV LIGHTING**  
MINICOVE LED

Ideal for cove, cabinet, and undercounter applications, the Minicove LED—measuring just 3/4 inches high by 3/4 inches wide—can fit into small spaces and provides evenly distributed, glare- and shadow-free illumination. Modules are available in up to approximately 11 3/4-inches in length, consume fewer than 4W per foot, and have a wide beam spread of 120 degrees. • [cvlightingusa.com](http://cvlightingusa.com) • CIRCLE 204

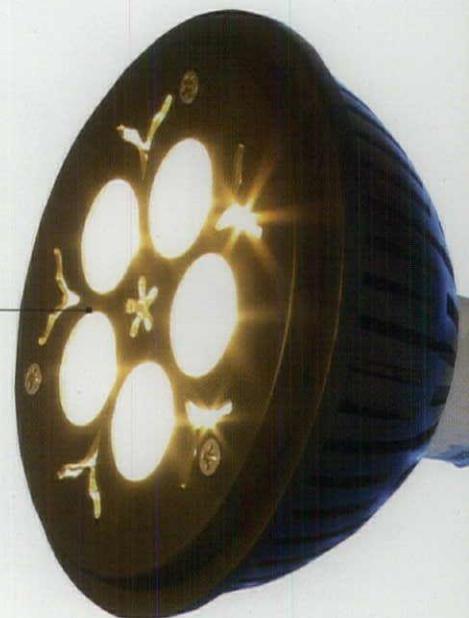


**MARTIN PROFESSIONAL**  
LC PLUS SERIES

The LC Plus Series is a modular system of LED video panels with P3 (pixel push protocol) technology that closely integrates light, video, and set design for indoor and outdoor use. Designed for the rental and staging markets, it also is suited for fixed installations such as retail environments and outdoor architecture. The panels are 60 percent transparent, and have a very wide 100-degree horizontal viewing angle. • [martin.com](http://martin.com) • CIRCLE 205

**LEDTRONICS**  
PAR30-STYLE LED

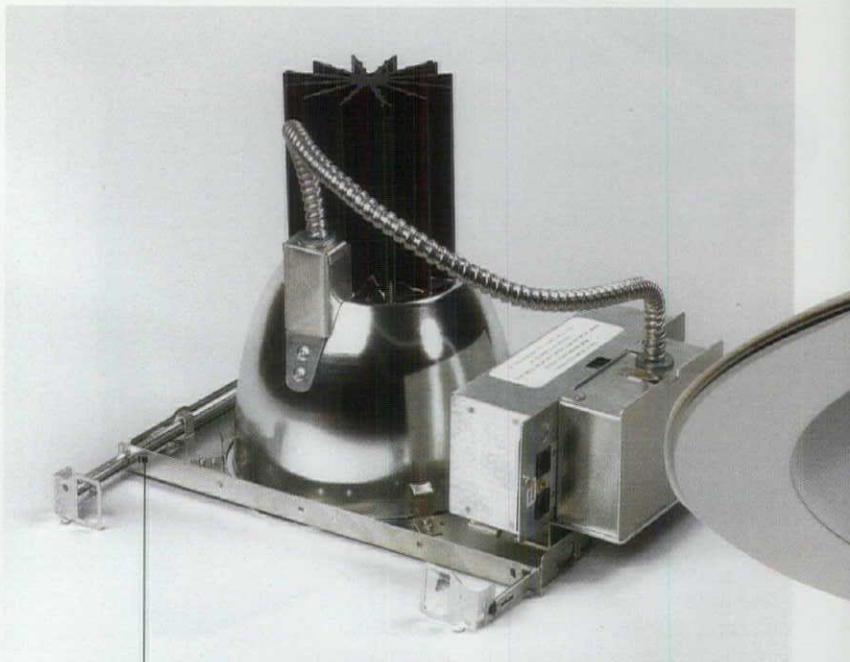
A direct screw-in replacement for up to 75W PAR30 incandescent or halogen lamps, the 15-degree narrow-beam PAR30-style LED spotlight contains five 3W LEDs that produce 367 lumens—or 2,938 footcandles—of vivid warm-white light. Consuming just 9.5W, it has a color temperature of 3000K and a color rendering index of 80. • [ledtronics.com](http://ledtronics.com) • CIRCLE 203

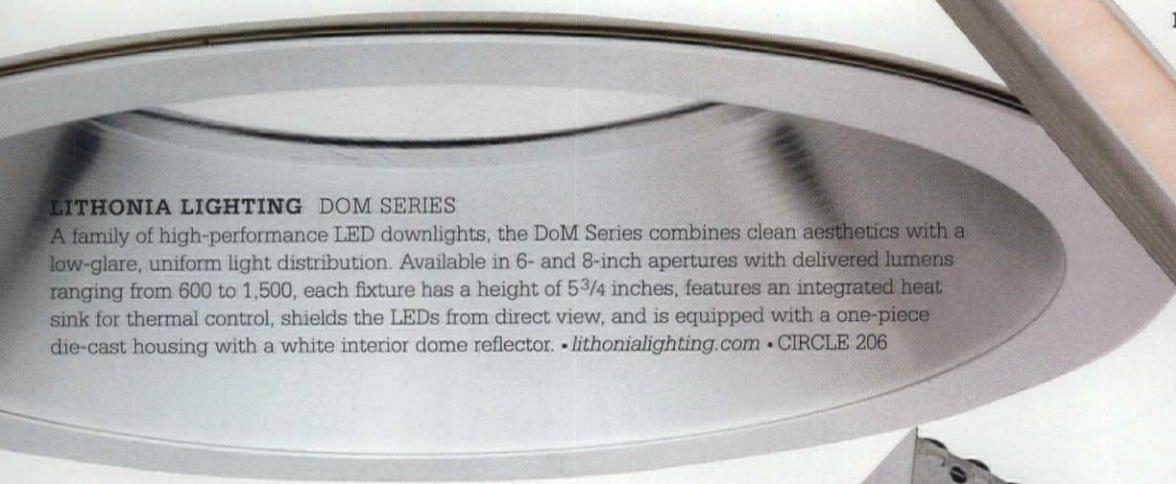


**EVERBRITE LIGHTING TECHNOLOGIES**

MEDLUX XLS II

The MedLux XLS II is a recessed, MRI-safe LED downlight that uses fewer than 60W of energy to deliver 50 footcandles of light at task level. Working with the same dimmer control system as the original XLS, but providing double the light output, it produces no radio frequency interference, which can disrupt patient scans. • [e-l-t.com](http://e-l-t.com) • CIRCLE 202





#### LITHONIA LIGHTING DOM SERIES

A family of high-performance LED downlights, the DoM Series combines clean aesthetics with a low-glare, uniform light distribution. Available in 6- and 8-inch apertures with delivered lumens ranging from 600 to 1,500, each fixture has a height of 5<sup>3</sup>/<sub>4</sub> inches, features an integrated heat sink for thermal control, shields the LEDs from direct view, and is equipped with a one-piece die-cast housing with a white interior dome reflector. • [lithonialighting.com](http://lithonialighting.com) • CIRCLE 206



#### EDGE LIGHTING LIGHTBAR

Able to be continuously linked for use under cabinets or mounted in coves, Lightbar is a linear, low-profile, dimmable LED lighting system that produces uniform illumination with a 120-degree beam spread and an adjustable 60-degree tilting range. It comes in 3- or 12-inch lengths (consuming 1.5W or 6W, respectively) and delivers 208 lumens per foot. • [edgelighting.com](http://edgelighting.com) • CIRCLE 207

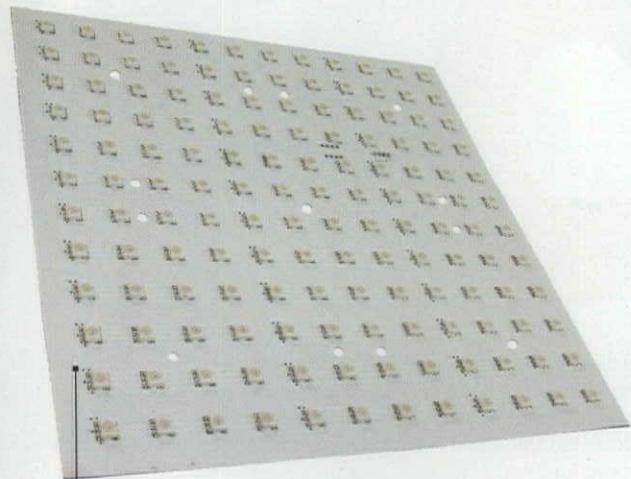
#### VISA LIGHTING LIGHT WAND

An individual 5/8-inch-diameter tube with an illuminated end, Light Wand can be used as a stand-alone fixture or combined to create an artistic effect. Offered in lengths ranging from 3 inches to 6 feet, each can be mounted in straight or curved sections, use a 1W LED, and have an oven-cured, no-VOC acrylic powder coat for painted finishes and an oven-cured, low-VOC clear coat for metal finishes. • [visalighting.com](http://visalighting.com) • CIRCLE 208



#### INTENSE LIGHTING SS4

The SS4, a 4-inch architectural recessed LED downlight, has an open reflector and a universal mounting bracket that adjusts for multiple ceiling types. Its light engine, which can be removed to accommodate future solid-state technology, can be accessed from above or below the ceiling and features an input power of 14W, a light output of 700 lumens, a 55-degree beam spread, a CRI of 83, and can be dimmed down to 5 percent. • [intenselighting.com](http://intenselighting.com) • CIRCLE 209



#### LIGHTWILD LIGHTWILD PANEL SERIES

At approximately 1/2-inch thick, the LightWild Panel Series can unobtrusively backlight translucent surfaces as well as illuminate tight spaces. Available in a variety of sizes—including 1 inch by 6 inches, 6 inches square, and 12 inches square—each provides the choice of 1- or 2-inch on-center LED spacing with options for warm white, cool white, and RGB colors. The panels can be delivered as is for screw mounting or in custom housings, and any combination can be used in a single run as long as the LEDs number fewer than 360. • [lightwild.com](http://lightwild.com) • CIRCLE 210

# products **TASK**

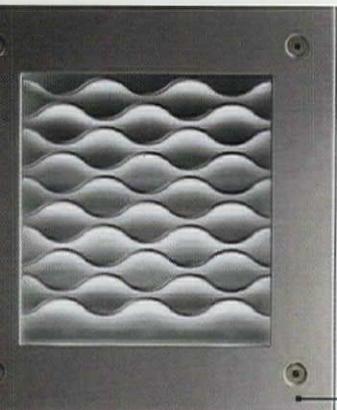
## **OUTWATER PLASTICS INDUSTRIES** LED LOW-VOLTAGE UNDER CABINET PUCK LIGHTS

Made up of 12 cool- or warm-white LEDs with a protective glass diffuser and an all-metal housing, this LED low-voltage under cabinet puck light consumes only 1.25W per fixture and has a rated life of approximately 50,000 hours, according to the manufacturer. Available in polished brass, polished chrome, black, white, brushed chrome, brushed brass, and antique bronze finishes, the fixture can be connected in runs of nine. • [outwater.com](http://outwater.com) • CIRCLE 211



## **PRISMA ARCHITECTURAL LIGHTING** WAVE

A series of square or rectangular recessed wall luminaires with painted aluminum trims and diffusers in transparent glass, Wave features a variety of decorative aluminum screens to create different lighting effects and is well suited for use in retail and hospitality applications. The fixtures can be mounted horizontally or vertically, indoors or out, and can emit white or blue light from 8W or 9W LEDs concealed inside. • [prisma-pil.com](http://prisma-pil.com) • CIRCLE 212



## **HUMANSCALE**

### DIFFRIENT TECHNOLOGY LIGHT

Based on the company's Diffrient Work Light II, the Diffrient Technology Light combines versatility, energy efficiency, ergonomics, and engineering precision. It offers one-touch positioning, has a traditional screw-in socket to accommodate compact fluorescent lamps, contains 90 percent recycled and recyclable content, features a cone-shaped shade, and is available in black or silver. Two power outlets and an optional data port are built into its base. • [humanscale.com](http://humanscale.com) • CIRCLE 213



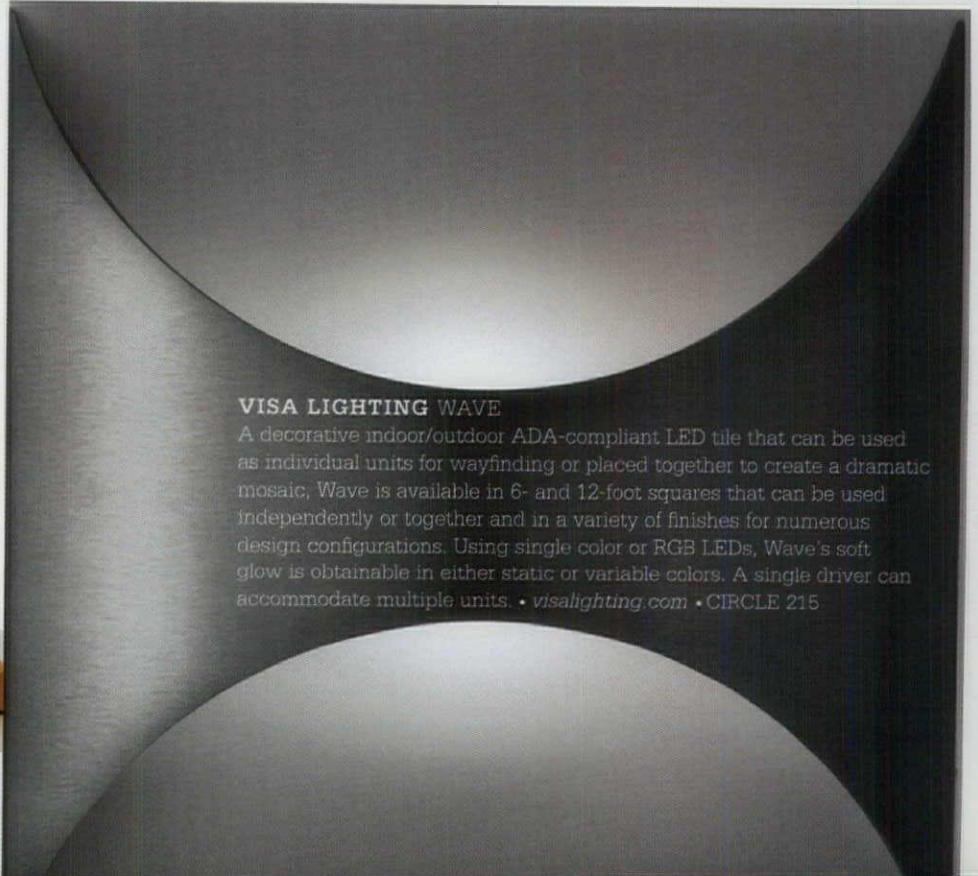
## **PABLO LINK**

Modernizing the classic task lamp by reducing its complexity and incorporating LEDs, Link has a contemporary aesthetic. Its advanced chip-on-board unit allows for an ultraslim profile, while power is delivered through a conductive aluminum skin, eliminating the need for internal wiring. Consuming only 7.5W with a 15-LED array and offered in soft-touch paint colors, its components are recyclable. The fixture head offers 180-degree movement with precision-designed joints. • [pablodesigns.com](http://pablodesigns.com) • CIRCLE 214



## **VISA LIGHTING WAVE**

A decorative indoor/outdoor ADA-compliant LED tile that can be used as individual units for wayfinding or placed together to create a dramatic mosaic, Wave is available in 6- and 12-foot squares that can be used independently or together and in a variety of finishes for numerous design configurations. Using single color or RGB LEDs, Wave's soft glow is obtainable in either static or variable colors. A single driver can accommodate multiple units. • [visalighting.com](http://visalighting.com) • CIRCLE 215



## TEMPO INDUSTRIES

### RAIL LIGHT

The latest addition to the Sentinel family, Rail Light is a compact, dual-directional, modular handrail-mounted fixture for step, stair, and ramp applications that uses the company's Binary LED technology to provide glare-free, low-energy, high-performance illumination. Manufactured from steel-reinforced PVC plastic, the luminaires can create specific color-mix options and be securely mounted to existing or newly specified rails. • [tempoindustries.com](http://tempoindustries.com) • CIRCLE 218



## PRESCOLITE

### LITESTEP

LiteStep offers three steplights in its collection: ultimate (SLED1), premium (SLED2), and primary (SLED3), each with a solid-state electronic 350mA constant current FCC class 2B driver, as well as a high-performing diffusing lens. However, each has a unique faceplate and varies in the amount of light distribution, wattage consumption (10W or 6W), efficiency, and efficacy it provides. LED color temperature options include 3500K and 5000K, and housings are offered in various finishes, such as white, black, and bronze. • [prescolite.com](http://prescolite.com) • CIRCLE 216



## 3 STYLE ARCHITECTURAL LIGHTING

### ALYA SERIES HALL|STEP LUMINAIRE

A recessed LED wall fixture that consumes less than 5W, the Alya Series HALL|STEP luminaire measures 5 inches in diameter and can be mounted facing up or down. It has a die-cast aluminum housing and reflector, which, with its diffuse metallic aluminum coating, provides optimal visual cutoff and uniform light output, and takes a 3.6W LED in 3000K, 3500K, or 4100K color temperatures. • [3stylelighting.com](http://3stylelighting.com) • CIRCLE 217



## ADESSO

### ARCHER DESK LAMP

The Archer Desk Lamp is a metal architect-style task light with three locking joints that enable height and shade adjustments. It reaches a maximum height of 22 inches, has a toggle switch on its base, contains 102 LEDs in its round shade, and is available in shiny black or satin steel finishes. • [adessohome.com](http://adessohome.com) • CIRCLE 219

products **OUTDOOR/  
LANDSCAPE**

**HUBBELL PERIMALITER III**

The Perimaliter III is the latest offering in outdoor perimeter/area lighting for wall-mount refractor applications. The luminaire features a vandal-resistant polycarbonate and borosilicate glass refractor selection, in addition to Pulse-Start metal halide and high-pressure sodium technology. The vertical lamp fixtures—which, according to the manufacturer, outperform horizontal lamp wall packs—reduce hot spots and provide more lateral lumens for better uniformity. • [hubbell.com](http://hubbell.com) • CIRCLE 220

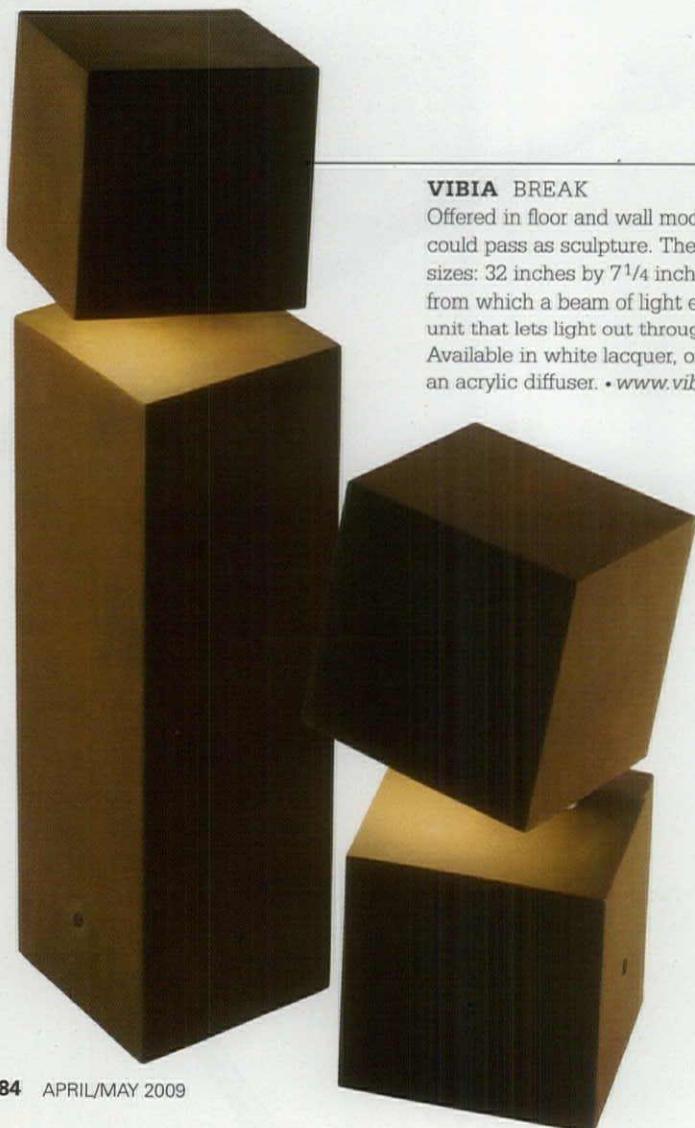


**LURALINE LIGHTING GENERA**

The Genera line of industrial-style fixtures can be installed in a range of exterior and interior spaces. Offered in wall-mount, surface-mount, and pendant configurations with a choice of incandescent, compact fluorescent, and metal halide lamps, the collection is powered by electronic ballasts and is available in 244 finish options, including the company's palette of more than 50 colors, as well as custom colors. • [luraline.com](http://luraline.com) • CIRCLE 221

**VIBIA BREAK**

Offered in floor and wall models, Break is an artistically designed luminaire collection that could pass as sculpture. The vertical block of the floor version (shown)—offered in two sizes: 32 inches by 7<sup>1</sup>/<sub>4</sub> inches and 17 inches by 7 inches—is divided, leaving a small slit from which a beam of light emerges. The 4<sup>1</sup>/<sub>4</sub>-inch-by-4<sup>3</sup>/<sub>4</sub>-inch wall fixture is a single unit that lets light out through a slit between the fixture and the wall it is mounted on. Available in white lacquer, oxide lacquer, and concrete (wall only), each model contains an acrylic diffuser. • [www.vibialight.com](http://www.vibialight.com) • CIRCLE 222



**SCHRÉDER LIGHTING USA ALBANY**

Offering classic street lighting styles, the Albany series comes in two sizes—Maxi and Midi—with a variety of reflectors and mounting options. Featuring Sealsafe IP66, a hermetically sealed optical unit that prevents dust and water ingress to the IP66 tightness standard while ensuring lifetime protection, the fixtures offer all-aluminum construction for corrosion resistance, tool-free access, and metal halide or high-pressure sodium lamping. • [schreder.us](http://schreder.us) • CIRCLE 223



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# products **OUTDOOR/LANDSCAPE**



## **PHILIPS COLOR KINETICS** EW BLAST POWERCORE

An energy-efficient, high-intensity white LED floodlight, the 12 $\frac{1}{2}$ -inch-wide eW Blast Powercore comes in black or white and features 350-degree rotation and 110-degree tilting. The LEDs are available in color temperatures of 2700K and 4000K and are located beneath a 21-degree frosted glass lens for a soft-edge beam or a 10-degree clear lens for extended light projection. • [colorkinetics.com](http://colorkinetics.com) • CIRCLE 224



## **COOPER LIGHTING** LUMIÈRE MONACO 6000

Enhanced with new lamp options, new lenses, and new reflectors for wallwashing capability, the Lumière Monaco 6000 can now be used for any in-ground architectural application. New options include compact fluorescent, high-pressure sodium, and low-voltage AR111 lamps; seven new wallwash optics; and a variety of lenses, including a 10-degree tilt, a linear spread, and a fully diffused lens. • [cooperlighting.com](http://cooperlighting.com) • CIRCLE 226



## **LUMENEC** JELISE

Jelise, a flush-mount LED fixture designed for building perimeters and corridor lighting, comes in four formats: wall or ceiling mount, each in 3W or 6W models. With a subtle design that ensures seamless integration into surrounding architecture, it is constructed of high-grade aluminum and contains a UV-stabilized and impact-resistant polycarbonate lens, making it highly resistant to vandalism and harsh environmental conditions. • [lumenec.com](http://lumenec.com) • CIRCLE 225



## **SISTEMALUX** LUMENFAÇADE

A façade-lighting luminaire, LumenFaçade can adapt well to any given architectural geometry, thanks to its swiveling bracket that allows for a 0- to 180-degree tilt angle. Consuming fewer than 15W per foot, it can graze up to 60 feet high with excellent illuminance levels and uniformity ratios, and does not require a remote power supply. • [sistemalux.com](http://sistemalux.com) • CIRCLE 227



## **ARCHITECTURAL AREA LIGHTING**

**PROVIDENCE BOLLARD AND SCONCE**  
Two new additions to the Providence family of fixtures, the bollard (shown) and the sconce each embody a transitional style that combines modern lighting performance with aesthetics in a traditional form. Both luminaires use efficient light sources (such as LED and compact fluorescent), have a silicone gasket that seals out contaminants, come in 13 standard colors, and include a steel latch that opens the lens frame for easy access to the light engine. • [aal.net](http://aal.net) • CIRCLE 228



**LAMPS PLUS NATIONAL GEOGRAPHIC SOLARIS**

The National Geographic Solaris 13<sup>1</sup>/<sub>2</sub>-inch hybrid wall light (Model 81993) is part of the Preserve Our Planet program and offers two energy-saving options: a top solar panel that powers four LEDs—automatically illuminated by a light-sensing switch—and a 4W compact fluorescent lamp for when extra light is needed. Measuring 5<sup>1</sup>/<sub>2</sub> inches wide, it has a black textured finish and a frosted glass diffuser. • [lampsplus.com](http://lampsplus.com) • CIRCLE 229

**TEKA ILLUMINATION HIGH LIGHT SERIES**

Made up of a 4-inch-diameter path light and a distinctively designed wall light, the High Light Series can accommodate one side-emitting 1W LED in 3000K or 4000K (or in red, blue, green, or amber), or a 10W or 20W G4 Xelogen lamp. The path light was designed for mounting high above mature plantings, while the wall model is a wall-mounted version of the path light. Both can be protected with clear coating to retain the natural beauty of raw copper, brass, and bronze. • [tekaillumination.com](http://tekaillumination.com) • CIRCLE 230



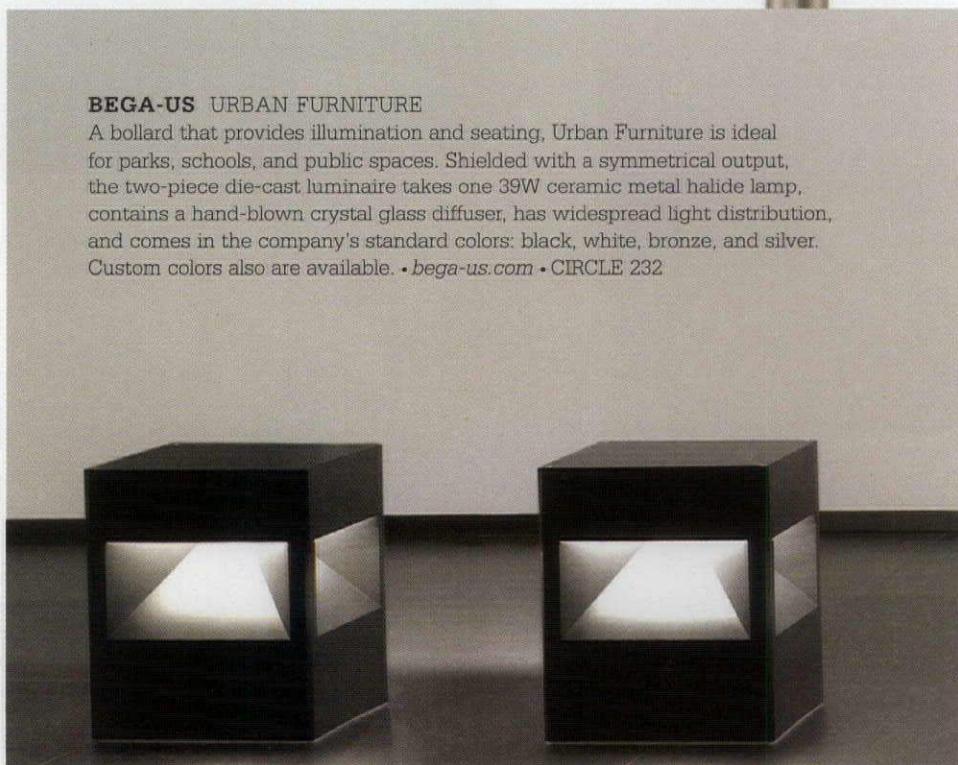
**GARDCO LIGHTING CITYSOUL**

Blending classic and contemporary style in a unique ellipsoidal form, the CitySoul family of modular street and pedestrian luminaires includes small and medium die-cast housings and offers mast arm and P1 mountings. The fixtures can take a variety of sources, including induction and compact fluorescent, and feature a Type II distribution. Each can be finished in fade- and abrasion-resistant bronze, black, white, natural aluminum, or custom colors. • [sitelighting.com](http://sitelighting.com) • CIRCLE 231

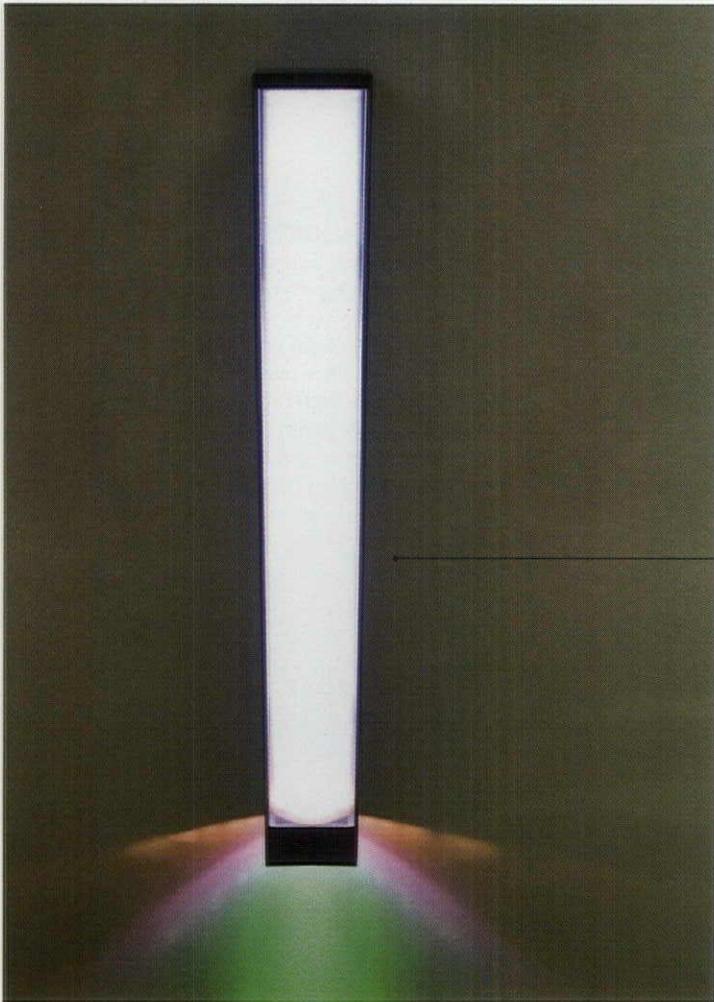


**BEGA-US URBAN FURNITURE**

A bollard that provides illumination and seating, Urban Furniture is ideal for parks, schools, and public spaces. Shielded with a symmetrical output, the two-piece die-cast luminaire takes one 39W ceramic metal halide lamp, contains a hand-blown crystal glass diffuser, has widespread light distribution, and comes in the company's standard colors: black, white, bronze, and silver. Custom colors also are available. • [bega-us.com](http://bega-us.com) • CIRCLE 232



# products **OUTDOOR/LANDSCAPE**

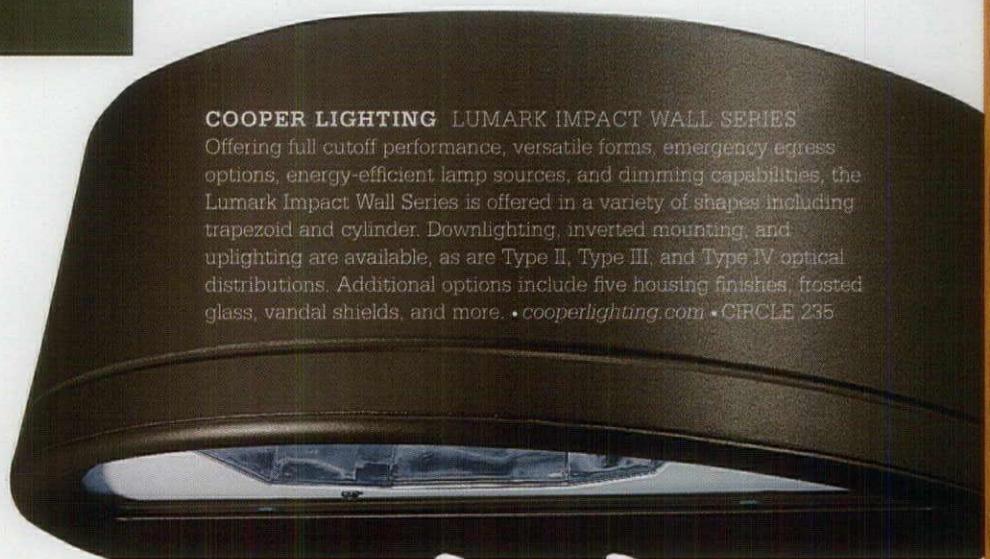
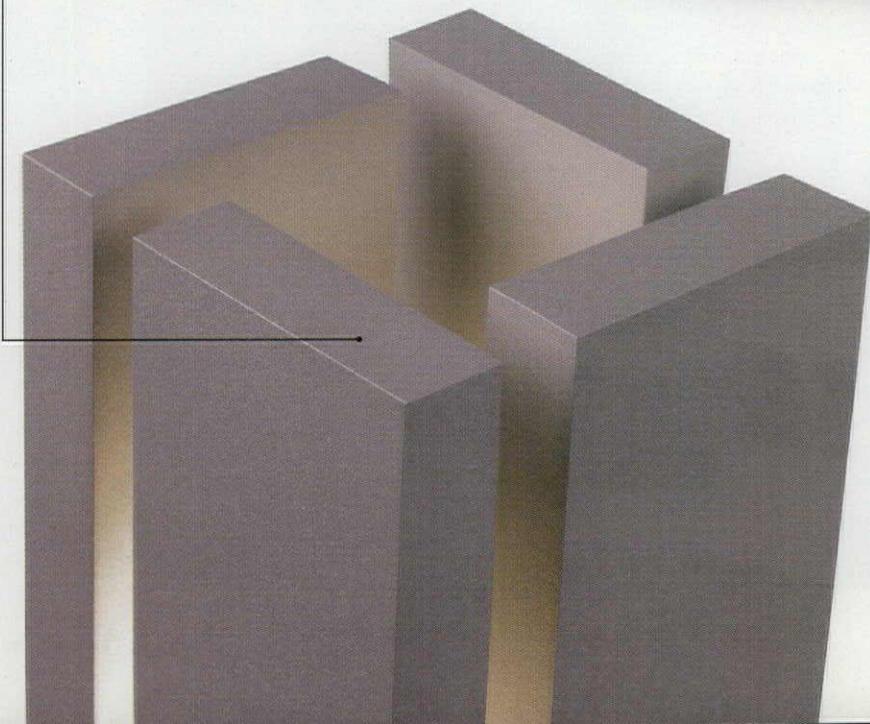


## **A•LIGHT** AIRE4

A minimalist luminaire with concealed rear mounts, aire4 appears to float in air. Constructed from 60 percent recycled aluminum, it can be vertically or horizontally mounted, takes LED or T5 linear fluorescent sources, and comes in 2-, 3-, 4-, 6-, 8-, 9-, 10-, and 12-foot lengths. Using the company's proprietary lens configuration, it yields 93 percent light transmission that is "scattered" for a smooth, evenly distributed crystalline-silk appearance. An accenting MR16 dichroic bottom-end lamp provides striking color effects. •[alights.com](http://alights.com) •CIRCLE 233

## **DELTA LIGHT** LABYRINTH

Made up of four aluminum rods placed in a position similar to a sail arm, Labyrinth creates a unique play of light. Light radiates outward and downward from the fixture's aluminum body, with glare kept to a minimum. Finished in aluminum or gray-brown structure lacquer, it measures just under 6 inches square, stands approximately 37<sup>1</sup>/<sub>2</sub> inches tall, and takes a 36W compact fluorescent lamp. •[deltalight.com](http://deltalight.com) •CIRCLE 234



## **COOPER LIGHTING** LUMARK IMPACT WALL SERIES

Offering full cutoff performance, versatile forms, emergency egress options, energy-efficient lamp sources, and dimming capabilities, the Lumark Impact Wall Series is offered in a variety of shapes including trapezoid and cylinder. Downlighting, inverted mounting, and uplighting are available, as are Type II, Type III, and Type IV optical distributions. Additional options include five housing finishes, frosted glass, vandal shields, and more. •[cooperlighting.com](http://cooperlighting.com) •CIRCLE 235

## **WE-EF** RFL500

A street lighting family for high-intensity discharge lamps and LEDs, RFL500 features a round design and is available in two sizes, approximately 16<sup>1</sup>/<sub>2</sub> inches in diameter and just under 21<sup>3</sup>/<sub>4</sub> inches in diameter. Both can be equipped with OLC (One LED Concept) technology that combines six LEDs and six lenses to make a multilayered module, which requires a single 59W or maximum 103W LED. •[we-ef.com](http://we-ef.com) •CIRCLE 236





**QUALITY LIGHTING CW 11-13-18**  
 Available in 13- and 17-inch widths with a trapezoid-shaped housing design that mounts flush to any wall, the CW 11-13-18 family of high-performance, full-cutoff fixtures is equipped with precision optics to produce forward-throw, downward illumination for commercial, institutional, and industrial applications. A computer-enhanced, one-piece asymmetric anodized aluminum reflector provides precise beam control. • [qualitylighting.com](http://qualitylighting.com) • CIRCLE 237

**ERCO POWERCAST PROJECTOR**  
 The Powercast projector is available with three lamping options: metal halide (up to 250W), low-voltage halogen (up to 100W), or LEDs (up to 42W in warm or daylight white). Its housing shape provides symmetrical light distribution for narrow spot to wide flood accent lighting in addition to various wide-beam distribution patterns. The fixture has a multilayer powder-coated surface, sturdy mounting bracket, and lockable hinge. • [erco.com](http://erco.com) • CIRCLE 238



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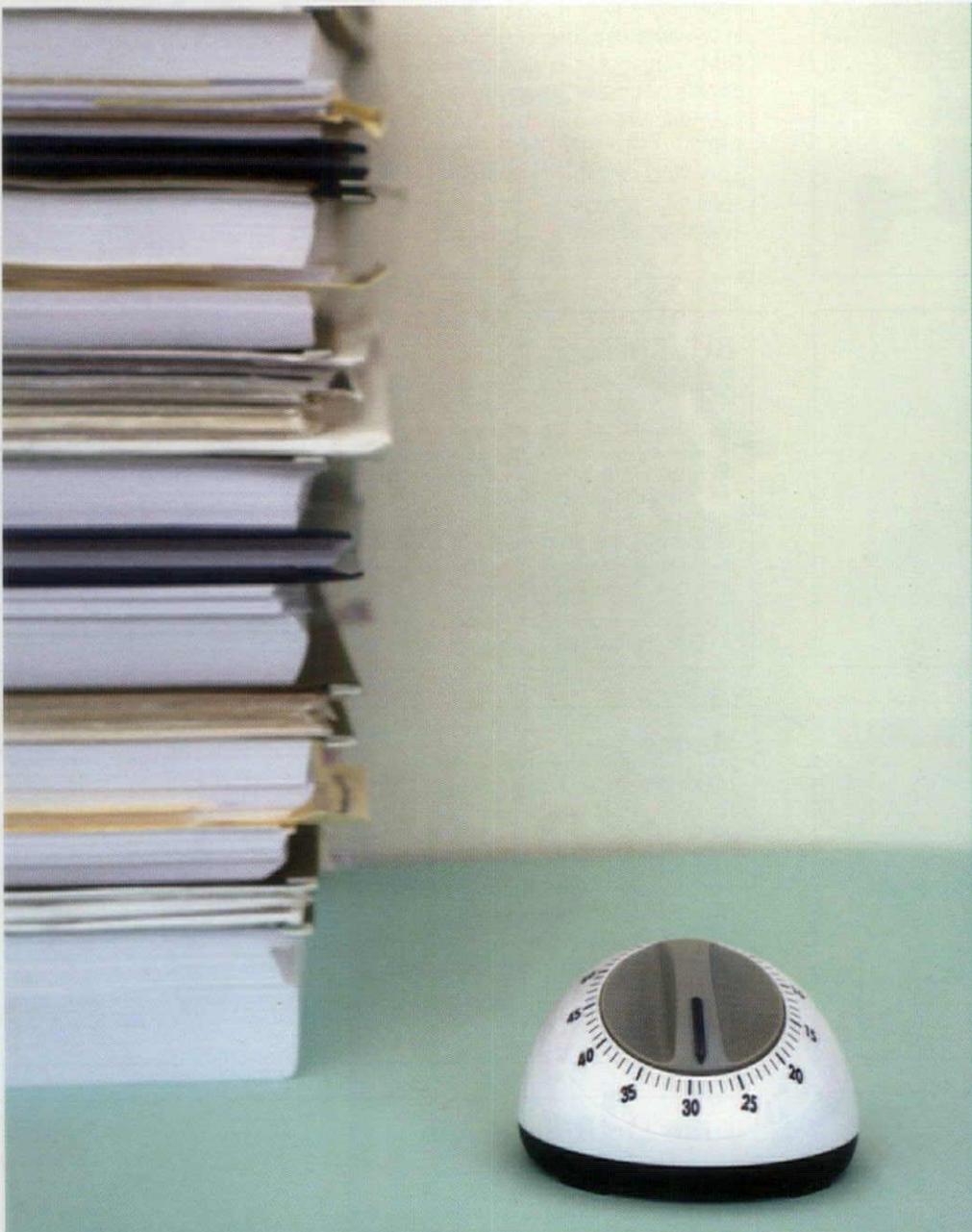


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The Cubic Indirect™ employs the most efficient light sources, including LED's. The wall mount version comes standard with a hidden MR16 lamp, powered as a remote head, eliminating the need for secondary fixtures or external components to provide code-required 1 footcandle path-of-egress illumination from the building toward the common way.

Web: [www.aal.net/indc.html](http://www.aal.net/indc.html)  
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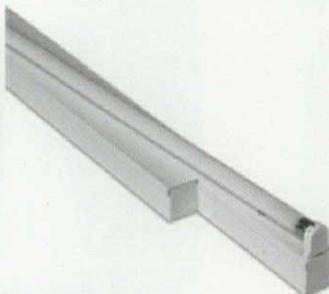


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### Bartco Lighting

Bartco Lighting introduces the BDS550 diagonal stagger fixture for linear T5 fluorescent lamps. The diagonal, 6" overlapping lamp arrangement of this specification grade luminaire provides exceptionally consistent runs of illumination in minimally scaled coves and other demanding indirect lighting applications. The BDS550 is fitted with program rapid start universal voltage ballasts and includes battery backup and dimming ballast options.

[info@bartcolighting.com](mailto:info@bartcolighting.com) / [www.bartcolighting.com](http://www.bartcolighting.com)



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### elliptipar

elliptipar Ovalinear xs Style F140. Low profile at 2 1/4" high by 4 1/4" wide, a single oval houses T5/T5HO fluorescent in elliptipar's high performance extra small reflector with ballast. Lights surfaces with equal uniformity. Quick connect wiring, optional dimming, emergency battery pack.

<http://www.elliptipar.com>



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### Hunza

Hunza has a full range of stylish, durable outdoor lighting fixtures supplied with the latest high-output LED lamp options, which provide exceptional safety in public locations due to the low heat output as well as excellent energy efficiency and long operational life up to 60,000 hours. See the Hunza web site at

[www.hunzausa.com](http://www.hunzausa.com)  
 or phone 1 888 578 6005.



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### LEDtronics

PAR30-style LED spotlight bulb. This general-purpose bulb is made up of five 3-Watt, high-power LED's and replaces filament-based PAR30 bulbs, combining advanced Light Emitting Diode (LED) technologies, standard AC voltages, 26mm Edison screw-in base, and light-optimizing design, producing 367 lumens or an impressive 2,938cd Total End Foot Candles of vivid warm-white light.

[www.ledtronics.com](http://www.ledtronics.com)



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### LITHONIA LIGHTING

Finally, an exit sign designed with the architecture in mind . . . introducing the Solo™ oval exit sign from Lithonia Lighting. Unlike any other, this exit sign features an elegant oval shape with slim profile. Featuring a sustainable and minimalist design with advanced LED technology, it's available in a variety of custom finishes.

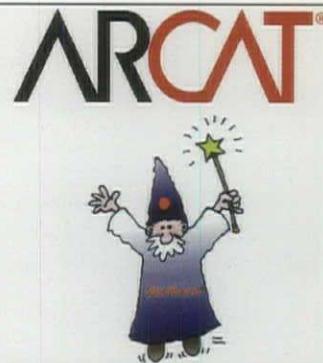
[AcuityBrands.com](http://AcuityBrands.com)



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### ARCAT

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### BULBRITE®

Bulbrite is proud to introduce the most innovative addition to their LED line, Dimmable LED PAR-30 and PAR-38. The Dimmable LED PAR-30 produces 500 lumens and is a direct replacement for a 65W BR30 or a 50W Halogen PAR-30. The Dimmable LED PAR-38 produces 850 lumens and is a direct replacement for a 100W BR40 or a 75W Halogen PAR-38. Offered in Warm White with a CRI of 82 and average life of 50,000 hours, the LED PARs are fully dimmable providing all the freedoms of traditional incandescent lamps, while saving up to 72% on your energy bill as well as maintenance cost.

For more information on Bulbrite's LED products, email [info@bulbrite.com](mailto:info@bulbrite.com) or call 1-800-528-5555.

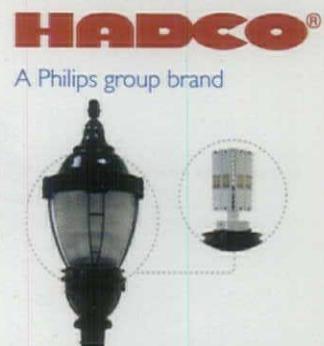


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### Hadco

Hadco announces LumiLock™ GX1 LED module for use with new and retrofit refractive globe installations. Available in 100W and 175W MH equivalent options it uses less than 50 and 100 watts of energy respectively. Options include dimming control; asymmetric and symmetric distribution patterns within one patent-pending Opt-Adjust™ system (field adjustable).

[www.HadcoLED.com](http://www.HadcoLED.com)

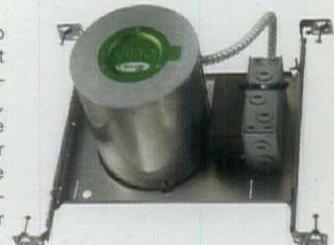


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### Juno Lighting Group

Residential, retail, commercial... it's the right light. No matter what the environment - the Juno LED Downlight is the new, improved approach to recessed lighting. Extremely low energy consumption, remarkably long life, minimal heat generation, and uniform illumination make it the right answer for so many applications. Three color temperatures; 3000K, 3500K and 4100K, are available in five and six-inch housings in new construction and remodel styles. All housings are IC-rated for use in either insulated or non-insulated ceilings.

For more information: [www.junolightinggroup.com](http://www.junolightinggroup.com)



Circle no. 18 or <http://archlighting.com/productinfo>

### Lighting Science Group

Eyeleds®, a brand of Lighting Science Group Corporation is focused on providing LED lighting systems for professional indoor and outdoor flooring market. Eyeleds offers revolutionary, creative and high quality LED lighting options for a wide variety of interior and exterior applications. The innovative 6.5mm flat Eyeleds LED lighting concept was developed in conjunction with leading partners from interior design and lighting industry, taking advantage of their application expertise. Headquartered in Netherlands, Eyeleds distributes products globally through its network of agencies. The product is currently available in over 70 countries world-wide. More info you can find at [www.eyeleds.com](http://www.eyeleds.com)



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**LUMENFACADE™** This outdoor façade lighting luminaire (IP66) can suit several applications on building facades and other high vaulted interiors, as the system easily adapts to any given architectural geometry. Using less than 15 watts per foot, the LUMENFACADE™ can graze up to 60' high with unmatched illuminance levels and uniformity ratios. The LUMENFACADE™ does not require a remote power supply. It is a line voltage luminaire with the input ranging from 120V to 277V AC. It is supplied with a swivelling bracket that allows for a 0-180° tilt angle. [www.lumenpulse.com](http://www.lumenpulse.com)



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### MechoShade Systems

The automated SunDialer™ system by MechoShade Systems is a cost-sensitive, technologically advanced, solar-shading controller, which maximizes daylight harvesting, comfort, and views. It incrementally adjusts the shades based off the sun's position, weather conditions, and the ASHRAE theoretical clear-sky model. SunDialer™ controls up to eight zones, has a built-in IP interface, and integrates with third party control systems.



Visit [MechoShadeSystems.com](http://MechoShadeSystems.com)

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### Precision Architectural Lighting

The new Luminata III series of indirect/direct linear fixtures from Precision Architectural Lighting combines a stylish design with excellent photometric performance. Available in suspended and wall configurations, this extruded aluminum fixture houses T8, T5 or T5HO lamps and offers a variety of optical controls.

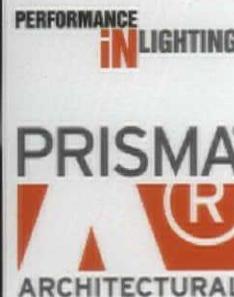


[www.pal-lighting.com](http://www.pal-lighting.com)

Circle no. 184 or <http://archlighting.com/productinfo>

### Prisma

Wall luminaires in three sizes, in LED and compact fluorescent sources. Outer square or rectangular trim and decorative faceplates in powder coat painted die cast aluminum, with a clear glass lens, to create a variety of lighting effects. Standard color is white. RAL or custom colors can be ordered.



[www.pil-usa.com](http://www.pil-usa.com)

Circle no. 185 or <http://archlighting.com/productinfo>

### Schröder Lighting

Integrating a compact design with high photometric performance and style in street lighting, Schröder Lighting USA introduces Hestia luminaires with the world-famous Sealsafe® Optical System, in the US at Lightfair 2009. Crafted of aluminum and glass, the Hestia was designed around a new concept of lighting: the Sealsafe micro-reflector. Less space for the optical compartment signifies more space for the creative freedom granted to the designer, including vast opportunities for new forms and new lighting solutions.



[www.schreder.com](http://www.schreder.com)

Circle no. 186 or <http://archlighting.com/productinfo>

### SELUX

NEO® Systems- A new generation of interior luminaires constructed of glass and polished aluminum. Neo® is developed with a dedicated systems approach for total design freedom and specification flexibility for suspended, ceiling mount or surface mount applications. Precision reflector and microprism diffuser technology is utilized to optimize output of T5 fluorescent sources.



[www.selux.com/usa](http://www.selux.com/usa)

Circle no. 187 or <http://archlighting.com/productinfo>

### Sistimalux Linear

The Linear System is offered in three (3) different configurations: the Linear Wall, Linear Pendant and Linear Pendant with track to be combined with the wide range of Sistimalux projectors for multiple applications such as public spaces, museums and office lighting. All configurations are available in both T5 fluorescent sources and high efficient LED systems in both 3000K and 4000K color temperature options. The LED option makes the Linear System the most energy efficient functional office lighting solution in the market.

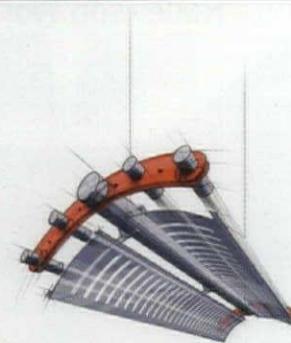


[www.sistimalux.com/](http://www.sistimalux.com/)

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### STILE

The ultimate lighting solution, Lynk offers contemporary sconces and pendants with unlimited customization options. Lynk components support custom designs, creative color combinations, continuous row systems and ease installation. Delivering efficiencies up to 98%, Lynk utilizes fluorescent and LED lampings and shielding for increased light control.



Get more information at [www.specstile.com](http://www.specstile.com)

Circle no. 189 or <http://archlighting.com/productinfo>

### TERSEN™

The RATIO™ offers a contemporary styled, fully cast housing that supports 48 LED diodes which produce illumination equivalent to a traditional 175w MH lamp. It's stylistic "finned" design serves both as a heat sink, as well as an architectural statement. Available in both symmetric and asymmetric distributions, the RATIO is meaningful in both form and performance.



For additional information, visit [www.tersenlighting.com](http://www.tersenlighting.com)

Circle no. 251 or <http://archlighting.com/productinfo>

### W2 Architectural Lighting

W2 Architectural Lighting introduces VAMP LED Spotlights, track luminaires that deliver a high level of optical and thermal performance, light output, energy efficiency, long life and aesthetics needed for high-profile installations. Crafted using heavy-duty, die-cast aluminum construction for an exact fit, durability and heat dissipation. Designed with a clean, architectural look, the luminaires offer a tasteful fusion of smooth cylindrical forms and silicone accents and a soft grip that is safe to the touch. Each is lockable and adjustable in the field without tools, with a 350-degree horizontal rotation and a 90-degree vertical tilt for precision aiming. Offered in 9w, 18w and 30w models and Black, White, and Platinum with Black finishes. T 1.866.788.2100 [www.W2lighting.com](http://www.W2lighting.com)



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### Wheaton Glass Warehouse

Wheaton Glass Warehouse introduces a new way to bring color to your lighting and architectural projects. We now offer colored glass tubing that we can customize to meet your specifications. Available in Deep Red, Orange, Lilac, Amber, Opaque Black, Green, Blue, Transparent Black and Pink.



Contact Bill Dempsey at 1-800-833-0410 or at [bill.dempsey@wheaton.com](mailto:bill.dempsey@wheaton.com).

[www.glass-warehouse.com](http://www.glass-warehouse.com)

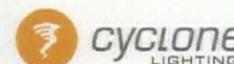
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### SIMPLY SMART LED TOTAL CONTROL

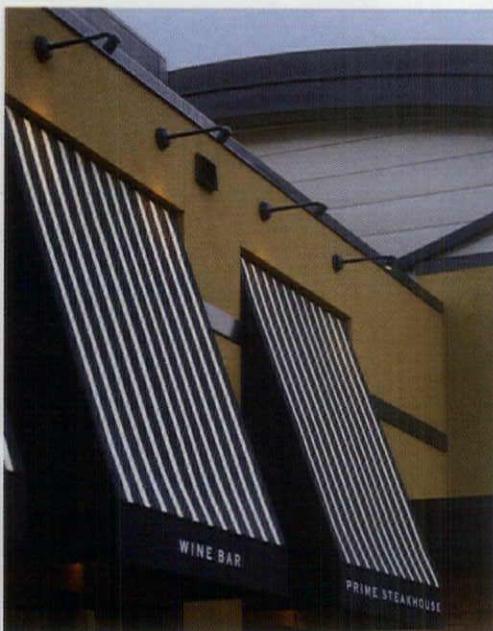
The first evolutive reflective LED light engine to the world of lighting.

[www.simplysmartled.com](http://www.simplysmartled.com)



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FontanaArte *Cuboid*,  
**A balance of Luminance & Contrast**



design:lamanda Spear (Architectural), 2009

Recessed wall lamp for concrete or plasterboard, composed by a recessed box, housing the fluorescent lighting source and a methacrylate diffuser available in three different shapes, each producing a different optical effect: perspective, cube on the right side and cube on the left side. As an option, a polished mirrored aluminium reflector may be installed behind the transparent diffuser covering the wall.

FontanaArte Corp /1316B Logan Circle / Atlanta / 404.835.6150  
 customerservice@fontanaartecorp.com / [www.fontanaarte.com](http://www.fontanaarte.com)

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## FOR INFORMATION

on how to be a part of the  
 next ARCHITECTURAL LIGHTING  
 special advertising section,  
 contact Erin Liddell  
 at 773.824.2445.

hanley wood

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# lumenpulse

This outdoor façade lighting luminaire (IP66) can suit several applications on building facades and other high vaulted interiors, as the system easily adapts to any given architectural geometry. Using less than 15 watts per foot, the **LUMENFACADE™** can graze up to 60' high with unmatched luminance levels and uniformity ratios.



lumenfacade™

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[www.lumenpulse.com](http://www.lumenpulse.com) • 800.263.1339



# Carlo Guglielmi

FORGING CREATIVITY, DESIGN, AND INNOVATION INTO ONE

**With a background in economics and finance,** Carlo Guglielmi once might have seemed an unlikely successor to architect and designer Gio Ponti as president and CEO of FontanaArte. Since assuming the post in 1979, however, Guglielmi has grown FontanaArte from boutique to bold leader among international lighting manufacturers, without betraying Ponti's design legacy. His careful stewardship of the company Ponti founded in 1932 and his advocacy of intellectual property have led to prominent roles as a founding member of Altagamma, the trade association of Italian luxury companies, and president of Indicam, an Italian institute that fights counterfeiting. In October 2008, Guglielmi added yet another item to his impressive résumé—president of Cosmit, the company responsible for organizing the Salone Internazionale del Mobile, aka the Milan Furniture Fair. **ELIZABETH DONOFF**

**What intrigues you about lighting?**

The change in light from day to night and the role of shadows. Their ability to be complementary and integrate into a space is unlike any other aspect of lighting.

**Do you consider FontanaArte a lighting company or a design company?**

To just design for the sake of design is not enough. It's about coupling innovation with research and elegance. It's about creating products that are intelligent.

**How does FontanaArte maintain its traditions while continuing to grow?**

We are always searching for innovation, whether that be new light sources or materials. We are always interested in involving well-known designers, but we are also committed to working with emerging talent—if they are passionate and ready to search for details. Then the result will be a product that is beyond fashion.

**How can the lighting industry tackle the global financial crisis?**

We need the courage to be ourselves—to create our market. The culture of "making" leads to a culture of "creating." Without this, there is no foundation for cultivating any kind of a market.

**Is there an issue the lighting industry needs to address more directly?**

Protecting intellectual property. Counterfeiting represents 9 percent of all gross products worldwide. Theft of intelligence impacts everyone, and not only jeopardizes our economic system but our cultural legacy as well.

**What message do you want to convey at this year's Salone and Euro luce?**

To rediscover optimism and a passion for work. You have to ask yourself each day: Have I done something positive and creative?



W2 ARCHITECTURAL  
LIGHTING  
A DIVISION OF WAC

# INTRODUCING VAMP™ LED TRACK LUMINAIRES

The New VAMP™ LED track luminaires are crafted in our company owned, zero landfill manufacturing campus with inhouse UL certified labs.



## KEY FEATURES

- ▶ Strong light output
- ▶ Heavy duty die cast aluminum construction with no visible heat sink
- ▶ Lockable 350° horizontal rotation
- ▶ 90° vertical tilt for precision aiming
- ▶ Accommodates up to 3 filter mediums
- ▶ Single and two circuit track mounting
- ▶ Beam angles of 10° and 25° available
- ▶ Warm 3000k and Cool 4500k color options
- ▶ Painted Platinum, Black and White powder coat finishes
- ▶ Junction temperature below rating guidelines
- ▶ Potential 50,000 hour LED life
- ▶ Available in 9w, 18w and 30w models
- ▶ Compatible with our 120v track systems

Visit us at Lightfair, Booth 2046

Visit [www.W2lighting.com](http://www.W2lighting.com) or give us a call at 866.788.2100

Circle no. 45 or <http://archlighting.com/productinfo>

# Lutron | **NEW** Radio Powr Savr™

wireless occupancy and vacancy sensor

## A simple way to go green

An innovative, wireless sensor designed for easy installation and optimum savings.

### Installs in minutes

- sensor requires **no wiring**
- front accessible buttons make setup easy
- lens illuminates during test mode to verify ideal locations

### Saves energy

**Each sensor can save up to \$85 per year\***

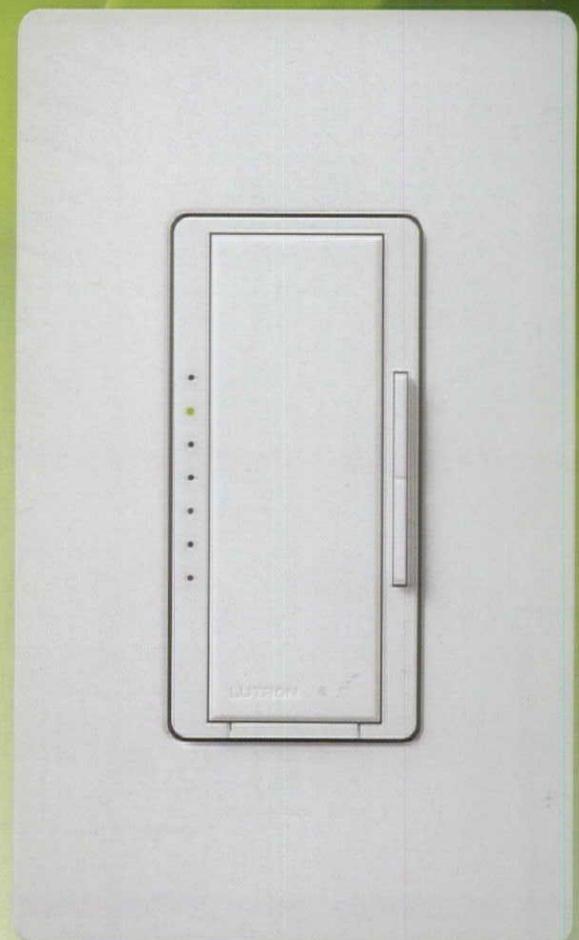
- sensor turns lights off when room is unoccupied
- dimming adds additional energy savings

### Superior capability

- 10-year battery life design
- cutting-edge detection technology for sensing minor motions
- add up to three sensors for maximum coverage
- can communicate with up to 10 dimmers and switches

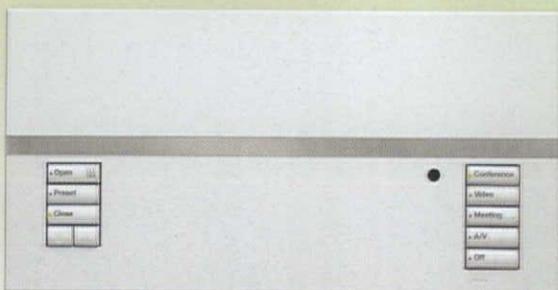


ceiling-mounted wireless RF occupancy sensor



wall-mounted Maestro Wireless® dimmer (actual size)

Wireless occupancy sensor also works with:



GRAFIK Eye® QS light and shade control with wireless technology

[www.lutron.com/occsensors](http://www.lutron.com/occsensors)

Experience this product at Lightfair booth #2238.



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\* Actual savings may vary depending on use and application. Stated savings based on 1200W lighting load, 20% occupancy sensor savings, 14 hours per day for 250 days, and an average electricity cost of \$0.102/kWh.

save energy with Lutron™