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INDOOR ARCHITECTURAL LIGHTING

architectural lighting
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Balance

Juno's new Trapezia™ luminaire balances form and function in an appealing way. With wires concealed in slender 9-inch or 16-inch rods, Trapezia makes great lighting easy and attractive. It can be used with any of Juno's trac systems—Trac-Master®, Trac 12® and Flex 12™—for a wide variety of residential and commercial applications.

Trapezia is just one of many new trac designs and innovations now available from Juno. To receive a complimentary copy of Juno's new Trac-Master catalog visit www.junolighting.com/catalog or call 1-800-323-5068.
Eight finalists in the competition to design a memorial to September 11, 2001, for the World Trade Center site were announced on November 17. The proposals (most of which employ light in some form) and the following onslaught of critical commentary raise interesting questions for our community about the application of light in the “memorialization” process.

The various unfavorable reviews accuse the proposed memorials of being “bland,” of saying “nothing at all,” of “lacking in emotion and variety.” Maureen Dowd’s November 30 New York Times op-ed seemed most willing to identify the use of light as partially contributing to their failure. The designs, she wrote, are “light and watery. ...All ambient light and transient emotion – nothing on which the heart and mind can collide.” She criticizes “sunshine-and-light therapy” as incapable of impressing on viewers one of the memorial’s primary objectives: an understanding of the events of September 11, of their gravity, their causes and their effects.

And yet, the “Tribute in Light”—two light columns rising from Lower Manhattan, first in March 2002 and more recently on September 11, 2003—was widely accepted as a successful, if temporary, memorial. (Indeed, the city plans to bring the beacons back each year.) In this situation, however, there was no structure to interfere with and dilute the primitive power and fundamental purity of light. Is it, therefore, in the interaction of architecture and light that the proposals fall short? While memorialization can succeed without the use of light, it is hard to imagine another material or element that has the potential to bring as much to such an experience. What went wrong?

This question is not literary device; I encourage readers to respond to it. Using light in conjunction with architecture to convey feeling and atmosphere is a challenge you confront daily. What guidance can you offer these teams specifically, and memorial designers in general? (Incidentally, of the sixteen individuals involved in the eight proposals, only one—Michael Lewis, who worked on the “Votives in Suspension” proposal—has an acknowledged background as a lighting designer.)

I am also soliciting your comments with an eye toward our January/February 2004 issue, in which we will present our redesign. It will embody both a graphic renovation as well as a new approach to the content we offer, including a forum both in print and on our expanded website (www.lightforum.com) for discussion about issues such as this one.

Watch for our new look and, in the meantime, please e-mail your responses to esommerhoff@archlighting.com.
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TITLE 24 GOES GREEN

Can outdoor lighting be "green"? Revisions to California’s original 1978 Energy Efficiency Standards, known as Title 24 or the California Energy Code, seem to indicate so. Passed on November 5, 2003, and to be adopted in 2005, the revisions address lighting power density, and requirements for cutoff optics, lighting controls and sign lighting.

The most significant change pertains to outdoor lighting standards, and the establishment of municipal lighting zones with corresponding lighting power densities to address the difference in lighting criteria for rural and urban areas. For certain applications such as retail, senior housing facilities and law enforcement, fire, ambulance and emergency vehicle facilities, a special multiplier allows for increased light levels to address security and liability concerns. There are exceptions, however, to the density requirements, including: temporary outdoor lighting, lighting required and regulated by the Federal Aviation Administration and U.S. Coast Guard, and lighting specifications for public streets, athletic fields, playgrounds, industrial sites, public monuments, pools and water features, tunnels, bridges, stairs and ramps. ATM, signs and landscape applications.

Title 24 revisions apply to all outdoor luminaires that use lamps greater than 175W, and large parking lots, building entrances, canopies and outdoor sales areas. Exceptions include: internally or externally illuminated signs, lighting for building façades, monuments, statues and vertical surfaces of bridges, lighting required by health and life safety regulations, temporary outdoor lighting, land lighting around swimming pools and water features.

For residential outdoor lighting applications, the code promotes the use of high-efficiency luminaires, electronic ballasts for 13W or greater and dimming and control sensors; the code discourages the use of incandescent sources.

With its first attempt at codes specific to outdoor lighting issues, California hopes the new power density requirements will reduce wattage by 50 percent in commercial applications. While these revisions should encourage more consideration of effective energy use and reduce glare, they will also require designers to reconsider current outdoor lighting practices, not to mention the additional paperwork. —Elizabeth Donoff

EIGHT FINALISTS SELECTED

From the more than 5,200 entries for the World Trade Center Memorial Competition, eight finalists have been selected. Unlike the celebrity status of those involved in the site’s master plan efforts, these memorials are all the work of young, unknown architects and designers. Since Maya Lin’s Vietnam Veteran’s memorial redefined the experience of remembrance, the task of creating a memorial has become a more complicated process. Consequently, these eight proposals have generated as many comments as there were entries.

All of the schemes incorporate some element of light, earth, water and air to create meditative spaces above- and below-grade commemorating the victims of the World Trade Center attacks of both September 11, 2001, and February 26, 1993. A few also include the victims of the Pentagon and Pennsylvania sites in their proposed designs. Each proposal struggles to define a transition space between the site edge and its memorial. Attempts are made to reconcile the scale of the individual with the scale of the site and the city. Several of the proposals attempt to balance the acknowledgement of each individual in the greater context of all that were lost.

The project titles are revealing: Votives in Suspension, Lower Waters, Passages of Light: Memorial Cloud, Suspending Memory, Garden of Lights, Reflecting Absence, Dual Memory, and Inversion of Light. They suggest that there is a certain standard palette of imagery and materials that best describe a memorial. It is that “sameness” among the proposals that has drawn some of the sharpest criticism in the pages of the New York Times and an open letter from the New York New Visions organization.

Lighting elements abound in these proposals, such as votive candles suspended over a reflecting pool in the memorial entitled “Votives in Suspension” and radiating circles of light embedded into the floor illuminating the engraved name of each individual in “Passages of Light.”

For more information about the memorial competition and the eight finalists, go to www.wtcitmemorial.org. The schemes are on public display from 7 a.m. to 11 p.m., daily, in the Winter Garden at the World Financial Center until the jury makes its final decision. —E.D.

WWW.LIGHTFORUM.COM

Starting in February 2004, visit www.lightforum.com between print issues for timely news updates, company buzz and events and competition information.
MIST AND MIRRORS

With little more than smoke and mirrors, Danish/Icelandic artist Olafur Eliasson’s “The Weather Project” transforms the 35,500-square-foot Turbine Hall at London’s Tate Modern into a facsimile of the sun on a foggy day. While the piece winks at the weather-obsessed Brits and Scandinavians, the visceral transformation of the 500-foot-long, 100-foot-high hall demonstrates the power of light, be it natural or artificial. Eliasson covers the ceiling with mirrored panels, hangs a half-circle of mono-frequency lamps (which make all colors other than yellow and black invisible), and fills the air with mist. Look up to the minors and you’re in a Bosch painting, an industrialized garden where humanity idles somewhere between earth and sky. Turn around, and everybody is yellow. It’s a monochromatic world, scary and beautiful. The exhibit runs through March 21, 2004. For more information visit www.tate.org.uk. — Abby Bussel

BLACKOUT ANSWERS Emerge

Three months after the August 2003 blackout, the U.S.-Canadian Task Force has provided a few answers with the release of its Interim Report. Initial events occurred outside Cleveland. According to the report, “The blackout was initiated when three high-voltage transmission lines operated by FirstEnergy Corporation short-circuited and went out of service when they came into contact with trees that were too close to the lines.” In addition to the failed lines, FirstEnergy’s control room alarm system did not engage. Unaware of both the alarm system failure and the downed transmission lines, operators took no action to shed load and notify neighboring utilities and its own reliability coordinator, the Midwest Independent System Operator (MISO).

The task force has voted to accept these findings and move on to phase two of the investigation—a series of public forums in both the United States and Canada to allow public response to the Interim Report and comments on ideas for improvements to the electrical infrastructure. For more information, go to http://energy.gov and www.nerc.com. —E.D.

CORRECTION

In the September/October 2003 issue, the news story about the recent renovation of the American Museum of Natural History’s Hall of Ocean Life accidentally omitted the Brandston Partnership as collaborating lighting designer on the project. The editors regret the error.
architectural lighting
ACE.al AWARDS
ARCHITECT’S CHOICE FOR EXCELLENCE
CHosen by ARCHITECTS AND LIGHTING DESIGNERS
AWARDED by ARCHITECTURAL LIGHTING
Recognizing durability, customer service, value, and design.

2003 Winners
It is with great pleasure that we announce the 2003 winners of Architectural Lighting Magazine’s Architect’s Choice for Excellence. The ACE.al Awards recognize manufacturers who have provided you and your projects with superior products and services. ACE.al ballots appeared in the April and May/June issues of Architectural Lighting. The ballots were also made available to architects and lighting designers at Lightfair and AIA conventions.

We salute these industry leaders, as voted on by you, the readers of Architectural Lighting, for their commitment to product excellence in areas of durability, customer service, value, and design. Innovation, customer collaboration, and top-notch performance are trademarks of all winners as they strive to meet and exceed design expectations, cost criteria, and demanding deadlines.

And to those who took the time to select this fine group of winners, we extend our appreciation. The ACE.al Award winners will be available on our website—www.lightforum.com—throughout the year to provide a valuable resource for you. After all, they showcase the best in the business.
These are the manufacturers that have provided architects, lighting designers, and their projects with superior products and services.

TOP 20 MANUFACTURERS
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Cooper Lighting
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Kurt Versen
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Lithonia Lighting
Louis Poulsen Lighting, Inc.
Lutron Electronics
Prescolite Lighting
Rudd Lighting
Tech Lighting LLC
Visa Lighting
Zumtobel Staff Lighting Inc.

OTHER WINNERS
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Arroyo Craftsman
B-K Lighting Inc.
Bartco Lighting
Boyd Lighting Co.
Color Kinetics
Columbia Lighting
Edison Price Lighting
Electronic Theatre Controls Inc.
ERCO
Flos USA Inc.
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Philips Lighting
Progress Lighting
RSA Lighting
Sea Gull Lighting
SPI Lighting
Sternberg
Thomas Daybrite
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Industry Insight

“Everything we see, most of what we do, and much of what we feel is touched by light,” says William Schoettler, senior vice president of sales and marketing for Lightolier. “For 100 years, Lightolier has been committed to great lighting—lighting that makes a difference. More than just hardware, Lightolier delivers the magic and impact of lighting.”

A major innovator throughout the last century of electric light, Lightolier offers a breath of products unrivaled in the industry, including downlighting, traditional recessed fluorescent, track lighting, emergency and safety lighting systems, architectural decorative lighting, indirect fluorescent systems, and lighting controls for residential and commercial applications. This broad line of products may be specified in a wide variety of interior architectural environments, including office, institutional, educational, hospitality, retail, and residential markets. “Since new products are the engine of our company, innovation in product design is paramount to our success,” says William Schoettler, senior vice president of sales and marketing. “We believe lighting can make a difference, and through our products we bring style, performance, and value to the places we work and live.”

Integral to Lightolier’s design and product success is education and training. Dedicated to the art and science of lighting, Lightolier does much to raise the level of lighting awareness among contractors, specifiers, architects, students, and end-users alike. Lightolier was the first luminaire manufacturer to offer free-of-charge comprehensive lighting training via the Internet. Lightolier’s “Lessons in Lighting” education course offers 24 on-line “modules” which provide the fundamentals of light and vision, luminaires, equipment, ballasts and lamps, and lighting design and application in a simple, self-study format. Members of ALA and AIA who complete the course receive continuing education points for sustaining membership in their respective organizations. “Thousands of people have accessed Lessons in Lighting since its inception two years ago,” says Schoettler. “We constantly look for ways to enhance the learning experience by using the power of the Internet, in an interactive and informative way.”

For more information: (800) 215-1068; www.lightolier.com

Photos: Lightolier invented track lighting and continues to deliver innovation and functionality; high style defines architectural decorative in this office environment; a comprehensive selection of specification grade fixtures for a complete lighting solution.
Lighting that makes a Difference

The First 100 Years

Lightolier 100 years

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Circle No. 99 or www.lightforum.com/productinfo
Industry Insight

For Bartco Lighting, the key to seeing each project through to completion is teamwork. "We think of ourselves as partnering with our customers and really listen to what their needs are," says Dennis McKee, director of corporate affairs and special projects for Bartco. "Every step of the way we are with them to see how we can help them meet design requirements and lead time."

Although just eight years old, the Huntington Beach, California-based Bartco Lighting is wise with experience when it comes to satisfying architectural and display lighting needs: The founders of this family-owned business experienced success with their first lighting company, and after a short break from the industry started up Bartco in order to satisfy their former customers' requests for better quality lighting and service. The company quickly emerged as a lighting industry leader and was one of the first companies to produce effective fixtures for the linear T5 fluorescent lamps.

Today, Bartco's fixtures can be found from coast to coast in offices, schools, residences, and retail stores, as the company continues to push the limits of lighting technology. By drawing motivation from its customers, Bartco has built an extensive catalog of architectural, display, and recessed lighting. But the benefits of Bartco's close-knit relationship with designers extends far beyond its standard inventory, and has helped the company develop its biggest strength: flexibility. "What you see in our catalog is not the full extent of what we provide in terms of product," says Dennis McKee, Bartco's director of corporate affairs and special projects. "One of the value-added services we offer designers to help them realize their goals is product modification."

Designers in need of innovative lighting solutions can turn to Bartco for custom-designed applications that allow them to see their idea come to fruition. "Sometimes they need a size change or different finish, and other times they need to cable-suspend a luminaire that wasn't originally designed for that purpose. Or they need to make installation quicker and less costly," says McKee. "We do everything in our capacity to give our customers the products they need to make their designs a reality."

For more information: (714) 848-0892; www.bartcolighting.com

Photos: Ambrose Residence: Slide by Side adjustable stagger low profile linear T5 and T8 fluorescent architectural fixtures with integral ballast.
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Industry Insight

"There is no single thing we do that results in our overall success. As always, we have to produce a quality product, provide excellent service levels, make it easy to do business with us, understand our customer's needs, respond, innovate, educate, add value, and do dozens of other things right just to be in the game. Fortunately, we do all of these things well," says Ron Naus, vice president of sales and marketing of B-K Lighting.

Since 1986, B-K Lighting has been dedicated to providing the lighting industry with the highest quality, most innovative, and fairly priced outdoor lighting fixtures available. B-K Lighting products have been featured in such prominent venues as The Seattle Opera House, Four Seasons Hotels, Disney World, Wild Animal Kingdom in Orlando, San Francisco's Embarcadero, and The Bellagio in Las Vegas. When product design durability are key design elements, residential and architectural installations demand B-K Lighting. B-K Lighting continues to strive for excellence in both design and quality, providing aluminum, brass, and stainless steel products to exacting standards. B-K Lighting's precision manufacturing ensures fixtures have quality and craftsmanship unequalled in the lighting industry.

This year, B-K Lighting introduced the award-winning IP-68 rated Tenaya® In-Grade Lighting Fixture, utilizing a wide selection of low voltage, halogen, compact fluorescent, metal halide, high-pressure sodium, and mercury vapor lamps with precision optics. Tenaya® features a Self-Renewing Air-Tight Lamp Module (S.E.A.L.™); patent-pending HydroLock™ Technology, which seals the wiring compartment and provides an anti-siphon device to protect the electrical components; a patent-pending leveling collar, which allows for field correction of low and out-of-level installations, as well as a patented Anti-Condensation Valve (ACV™). Tenaya® won Best in Category at this year's Lightfair in New York. "Innovation drives our business," said Ron Naus, vice president of sales and marketing for B-K Lighting. "From innovative products like our award-winning Tenaya® IP-68 In-Grade Lighting to opportunities from our customers to fabricate custom fixtures, much of what we do is at the forward edge of fixture design."

With many finishes, options, and accessories available, delivery times compare to the best in the industry. "In a time when outdoor manufacturers measure lead times in terms of weeks, we ship within days," says Naus. "Where most manufacturers offer a few color options, our standard palette extends to well over 200 choices."

For more information: (559) 438-5800; www.bklighting.com

Photos: Quality, service, innovation, and value all add up to make B-K Lighting the number-one choice in outdoor architectural lighting.
We all know that in-grade luminaires have developed a notorious reputation when it comes to water. They leak. They flood. They fail.

Tenaya® answers the call with a patent-pending system that allows it to operate continuously—even when submerged in up to three feet of water.

The industry agrees, judging Tenaya® Best of Category at this year's Lightfair in New York.

Specify Tenaya® and it won't matter if they do!
As a leading manufacturer of architectural lighting products in North America, Cooper Lighting's heritage of strong brand identity and its reputation as a provider of innovative incandescent, fluorescent, and H.I.D. luminaries has produced effective applications in the finest residential, retail, commercial, and institutional facilities worldwide. Positioned as a fast growing responsive company utilizing extensive market research and innovative product development, Cooper Lighting is dedicated to the manufacture of high-quality, versatile products which give high value to their customers. From CoreLite's Navigator Series featuring unique unlimited optical control, to the recently introduced Architectural Outdoor Series by Shaper, the brands of Cooper Lighting have the solutions their customers need with the value they demand.

In response to the growing trends in the industry, such as energy legislation and sustainable design issues, Cooper Lighting introduced over 50 new products across 14 brands this year, representing significant developments in the lighting industry. In addition, Cooper Lighting created Energy ReSOURCE, a dedicated team of professionals that understand and track the most critical issues of legislation affecting the industry, keeping updates available via the company's Web site, http://www.cooperlighting.com/education/legis/, to any interested parties.

"Cooper Lighting's goal is to offer a comprehensive line of lighting products which enable our specifiers to turn to one supplier for their lighting needs," says Lance Bennett, director of specification and architectural product sales for Cooper Lighting.

By offering innovative products that are founded on new energy-effective technologies, Cooper Lighting provides lighting solutions designed to bring value and meet energy and environmental concerns of the community. In addition, by implementing best business practices and methods the company is able to introduce products in a consistent format that compliment each other and provide high levels of support to its customers. The results are distinctive lighting applications over a wide range of market opportunities.

For more information: (770) 486-4800; www.cooperlighting.com

Photos: The SOURCE, The Cooper Lighting Center in Peachtree City, Georgia; CoreLite Navigator Series of direct-indirect luminaries with innovative uplight and downlight control features; Halo LS300 MiniLUME adjustable beam ceramic metal halide track fixture.
LIGHT - IT'S BIGGER THAN US

At Cooper Lighting, our understanding of light goes beyond engineering and technology. We're responsible for creating and using light to enhance the view of our world. How well we do that is a direct reflection on the tapestry of our society.

INVUE Phocus
Corelite Vertechs
IRIS Pinhole
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Neo-Ray Nimbus D/I
Portfolio Lensed Downlights
Shaper Post Tops

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COOPER Lighting
Gardco Lighting

In the lighting industry, the Gardco name has a longstanding reputation. Gardco Lighting, a San Leandro, California-based manufacturer of architectural specification-grade exterior lighting, is undoubtedly one of the leaders in its field, thanks to its quality products; reliable service and support; and in-depth research and strong commitment to delivering a product package that's complete.

Always pushing the limits of lighting design, Gardco Lighting brings anywhere from three to five major new products to the forefront each year, and architects can be sure they're as dependable as ever. "We don't just introduce something new to introduce something new," says the company's technical marketing manager, Dale Simpson. "We introduce something when we can make an impact in the marketplace and when we find a need that no one else is fulfilling." To ensure that all of its products are top-notch, each product's performance, permanence, and aesthetic values are reviewed in depth to be sure they produce the best light possible for that space and are visually satisfying. "Our goal in providing architectural lighting products is not to compete with a building's architecture, but rather complement it," says Simpson. The company's extensive catalog proves it more than suits architects' and lighting designers' needs.

Gardco's products can be found anywhere from the headquarters of major technology companies and high-profile retail stores to airports and universities—and, says Simpson, many of the company's projects have been up and running for more than 20 years, a testament to the company's commitment to each product's quality construction and design. Informative two-day training seminars, an experienced and knowledgeable Applications Engineering Department, and a comprehensive Web site are among the services provided to architects, designers, and lighting engineers.

For more information: (800) 227-0758; www.sitelighting.com

Photos: Gardco Gullwing shown in an office park setting; New Gardco Circa family; Gardco Round Form 10 series
Circa
Form 10

Descending from above to
forever change the world of
site lighting. An inspired design.

A perfect symmetry. Legendary
Gardco sharp cutoff and glare free
illumination... this is a luminaire
worthy of landmark architecture.
Hadco

Since 1948, Hadco Lighting has been working to create a safe, secure, and aesthetically pleasing environment by offering the most up-to-date technology in architectural, landscape, and street and area exterior lighting. The company's founder worked with Walt Disney himself to light Disneyland, and today Hadco continues the tradition with its work on Epcot and other theme parks. High-end private estates, such as the Biltmore House, also feature Hadco fixtures, as do many well-known courtyard hotels, college campuses, and municipal utility systems. With an extensive product catalog and comprehensive list of services, including an in-house engineering department, Web site with spec sheets and applications, and installation support, Hadco has become the leading landscape lighting manufacturer in North America.

Hadco's focus on training and the sharing of knowledge is vital to the company's success. Nationwide training classes give contractors a first-hand look at how new products can be used. Classes are held regularly in Hadco's Littlestown, Pennsylvania headquarters and Texas facilities, and training seminars in the field take place regularly. More than 800 total distributor personnel and contractors attend Hadco's classes each year. Constant feedback from seminar attendees and industry contractors keeps Hadco moving ahead. "We try to uncover what they need and what issues they run into so that we can find an answer," says Lew Waltz, Hadco's vice president of landscape. "Because of that interaction we have been able to develop an entire catalog of products that ship in 24 hours."

Each product in Hadco's catalog is manufactured with great attention to detail—from the refractive globe on a twenty-foot pole right down to the company's simplest path lighting system. Every model is designed to provide a specific pattern of light, meet design criteria of the engineering community, and withstand the harshest of elements.

For more information: (717) 359-7131; www.hADCOClocking.com

Photos: Hadco lighting products can enhance landscaping with distinctive elegance, while improving security and illumination in commercial and retail applications.
Celebrating 50 Years of Uncompromised Outdoor Lighting Quality

When Howard Daum started HADCO Lighting a half-century ago, he had a vision of creating superior outdoor lighting fixtures. His styling captured all of the ageless beauty of traditional luminaires, with each carefully constructed to last as long as the architecture they illuminated.

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Superior Performance
Superior Lighting

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www.hadcolighting.com
Industry Insight

Hydrel backs up its products with ideas, expertise, and creative problem solving to offer some of the most exciting lighting solutions. The company's close collaboration with architects, designers, developers, and building owners has drawn Hydrel into the toughest of outdoor lighting challenges and led it to significant design breakthroughs. This has resulted in unique solutions for high performance applications worldwide.

Hydrel has always been the “tough environment” lighting company. It's no wonder. The company earned their reputation the hard way—underwater, and excelled next with in-grade solutions, where the surroundings are only a fraction more hospitable. The focus has been on night-lights conveniently hidden by day, spectacular when the sun sets. These high-performance systems continue to define Hydrel, remaining at the heart of their offering. However, in recent years architectural flood lights, accent lights, and specialized lighting designs have brought Hydrel out into full view, leading to their next significant advance in broadening their reputation—the launch of a completely innovative approach to site lighting design by developing a comprehensive range of outdoor luminaires integrated by singular design signatures. As this concept comes to life, architects and lighting designers will be well-equipped to realize a high level of aesthetic continuity across all segments of site lighting.

The company's next significant advance in broadening their reputation is the launch of their G2 Designs. The products' bisecting geometric shapes articulate the company's new vision in building mounted lighting: a design signature in context with architecture. With G2, architects will find that they can choose a configuration that virtually disappears, harmonizing with mullions and columns and blending quietly with glass surfaces—or one that draws the eye, adding a decorative element, interrupting an expansive surface. G2 Designs multifaceted perimeter lighting combines visual appeal with the superior performance and unequalled quality that the industry expects from Hydrel.

For more information: (800) 750-9773; www.hydrel.com

Photos: Royal St. Andrew Golf Club, M9700 Ingrade; G2™ Designs BLOCKdome; Custom bollards
LIGHTING IN CONTEXT WITH ARCHITECTURE.

Bisecting geometric shapes articulate a new vision in building mounted illumination.
Kim Lighting has been creating innovative outdoor lighting solutions since 1933. From the beginning, it has taken a lighting design perspective toward product development. Today, this approach remains intact and is the core of the company's focus. New products are developed to solve lighting needs and to provide efficient and attractive solutions.

Kim's approach to design has evolved into a special “Theory of Relativity.” This defines the relationship of luminaires to the position they occupy in the architectural site. Area lighting is developed with an entirely different set of design and performance criteria than pedestrian-level luminaires, which are different from criteria used on wall-mounted products. This approach addresses performance requirements, physical scale, detailing, and the perspective from which products are viewed when installed in real-world environments. The process also recognizes that outdoor area lighting is seen most often when it is not functional—during the day. This daylight visibility means Kim products must be aesthetically pleasing when they are not in use, and perform well when the sun goes down. This sensitivity to product design, placement, and function is a Kim hallmark.

The integration of design, from site/area lighting to mounting intimate with architectural surfaces, produces a unification that displays visual logic to site occupants.

For illuminating building surfaces and site features, landscape accents and architectural floodlights offer a wide range of options to adapt to virtually any need. Each product provides a distinct function, while utilizing shared design detailing, scaled to reflect specific locations in the site environment.

Every Kim product is built for the harsh outdoor environment and supervised through a quality program that is audited to ISO-9001:2000 standards. While several others have copied Kim product appearances, they fail to capture the attention to detail, performance, quality, and spirit that comes from being the originator of ideas.

For more information: (626) 968-5666; www.kimlighting.com

Photos: The AC Series is available in post top mount and arm mount; AFL Architectural Floodlight series; LTV LightVault® series
extraordinary capabilities of the Innovator control consoles — to form the most powerful lighting control solution available today. Altogether, it puts managers in complete control of every lighting situation, all the time. • Leviton's flexible Dimensions D-8000. Whether a rock concert or business convention, garden show or psychology lecture, it always puts you in the best light. • For more information, contact Tom Leonard at 503-404-5506.
Leviton Manufacturing Co., Inc.

It’s no wonder that Leviton Manufacturing Co. is the largest wiring device manufacturer in North America. With an extensive product catalog that includes receptacles, GFCIs, surge protective products, lighting controls, home automation, and connection products, as well as child protection and easy-to-use devices for senior citizens, almost anyone with a lighting need can find a solution at Leviton. But the real backbone to Leviton’s success is an innovative philosophy that has guided the company since it was founded in 1906: integration. Leviton houses its architectural, theatrical, and energy management branches all within one common facility, and the collaboration from in-house experts in all three divisions breeds a more comprehensive line of products.

One of Leviton’s newest products, the Dimension D8000, is designed specifically with integration in mind, and can be tailored for the simplest commercial application or the most complex multi-use facility. The D8000 recently installed in the Minneapolis Convention Center is one of Leviton’s largest lighting control system applications ever. “Because of the flexibility of this lighting system, the center can be better customized for all types of events, from large technical conferences to auto shows—and everything in between” says Tom Leonard, director of marketing for Leviton’s Lighting Control Division. Lighting for all of the center’s spaces, including the intimate meeting rooms, theatrical presentation areas, and exhibit halls, are easily managed through one integrated network. Also based on the integration philosophy is Leviton’s new Centura fluorescent energy management system for commercial properties. The system allows individual employees to adjust lighting levels to fit their needs, and benefits owners because it conserves energy; Centura makes use of “daylight harvesting” technology that considers sunlight levels in its calculation of how much light to emit.

Headquartered in Little Neck, New York, Leviton has 22 manufacturing facilities across North America, and offers training and education seminars regularly. The Leviton family includes the Leviton Voice & Data Division, Leviton Lighting Controls Division, American Insulated Wire, and Electricord.

For more information: (800) 323-8920; www.leviton.com

For Industry Insight:
For over nine decades, Leviton has tracked the demands of the lighting community. The company’s first product, a gas lamp mantle, made its debut in 1906. When lighting upgraded to electricity, so did Leviton. “Today we see many instances where the demand for control goes far beyond the light switch,” says Tom Leonard, director of marketing for Leviton. "Wherever future technology goes, we’ll be there, turning the lights on."

For photos:
The state-of-the-art lighting control system at the newly expanded Minneapolis Convention Center.
Sea Gull Lighting

Sea Gull Lighting, a family-owned business that's now operated by fourth generation family members and, which will be celebrating its 85th anniversary next year, is a major player in the home-building industry, but its more than 3,100 products and accessories also satisfy the needs of private residential and commercial consumers because of their great aesthetic appeal. Always innovative and creative, the company carefully follows home decor trends and the increasing environmental concerns of consumers worldwide: For decades, Sea Gull Lighting has focused on providing the highest possible level of energy efficiency, and its extensive catalog of ENERGYSTAR®-qualified products is ever-expanding to follow the most current EPA initiatives.

Sea Gull Lighting's Ambiance® brand is perhaps one of its most celebrated, offering both landscape products and three lines of low-voltage products: the Ambiance® LX Lighting System of linear, flexible lamps; the Ambiance® MX, for track-lighting needs; and the Ambiance® RX, of single and two-circuit capable rails. "The Ambiance" name is one of quality and of cutting-edge technology," says Eric Borden, Sea Gull Lighting's director of Ambiance Lighting Systems.

"In the architectural community, Sea Gull Lighting is known as a single source for various lighting solutions," adds Borden. "We also offer the value-added services of on-time shipping, high fill rates, and competitive pricing." Through Sea Gull Lighting, designers and architects have access to extensive technical support and layout assistance. There are also training seminars offered on the company's 19-acre Riverside, New Jersey headquarters.

For More Information: (800) 347-5483; www.seagulllighting.com

Industry Insight

Sea Gull Lighting continues to set the bar in lighting, both in design and business practice, satisfying the needs of residential, commercial, and architectural design specifications. Ambiance® Lighting Systems is a Sea Gull Lighting brand focused on emerging technologies and design of low-voltage lighting featuring decorative pendants and linear and rail systems.
Litecontrol

In 1936, Litecontrol was founded by two engineers looking to push the advancement of lighting design and performance to new heights. Today, the company's principles remain much the same, as this Hanson, Massachusetts-based manufacturer of suspended and wall-mounted high-performance architectural fluorescent lighting systems with installations across North America continues to be at the top of its field. One of few companies with its own in-house photometric testing laboratories, Litecontrol meticulously measures product performance to maintain high efficiencies and surface uniformity when it comes to lighting unique building types. The results? Even light distribution, a reduced presence of shadows on work surfaces, less glare from computer screens, and uniform light distribution in commercial and institutional spaces that range from offices and classrooms to libraries and laboratories.

Although high-quality lighting like this may look expensive, Litecontrol has developed suspended indirect and indirect/direct systems that satisfy even the strictest of budgets. Performance advantages mean fewer fixtures and lower installation costs, plus reduced energy and maintenance costs in the long term. "What we sell is a value-added product. It is not the lowest priced product in the marketplace, but it is generally the best performing product, from cost to worker productivity issues," says Ron Arsenault, the company's marketing manager, who notes that customers also love Litecontrol's wide selection of product offerings. "Good," "better," and "best" options are available in most lines, giving designers and builders a range of price and performance alternatives from which to choose to meet their design requirements.

From the 1960s, when the company introduced its LiteColors line and the first lighting fixtures available in color to its newest innovations, like the IndePendents™, a round, linear system; Staklite 500™, specifically designed for library settings; and uniquely designed LC-93™ and LC-94™ series, Litecontrol has proven itself as a leader in the architectural fluorescent lighting arena.

For more information: (781) 294-0100, www.litecontrol.com

Photos: HarleyEllis Architects, Wall/Slot®-II; LC-93, P-ID-9300; Videre™, P-I-9600
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Lighting Services Inc

Lighting Services Inc (LSI), a Stony Point, N.Y.-based manufacturer of specification-grade track, accent, display, and fiberoptic lighting systems, is now celebrating its 45th year as an independently owned company in the lighting industry. "This anniversary is very special to us," says the company's president, Daniel Gelman. "It is testimony to our success in proudly serving lighting designers, architects, and engineers for all these years. We are truly grateful for the opportunity and confidence to supply our products all over the world."

With 127 representative agencies worldwide and its products featured in world-famous museums, high-profile retail stores, theme parks, casinos, restaurants, houses of worship, and more, Lighting Services Inc prides itself on manufacturing the highest quality products with intelligent personalized service. LSI's detailed Web site features all products including a 360-degree quicktime view of new products, photometric files, news releases, installations, lighting designer links, and an online database of frequently asked questions with answers. Lighting Services Inc has taken the necessary steps to see that customers have easy and fast access to information 24/7.

As LSI looks forward to its next anniversary celebration, "Our best is yet to come," says Gelman. "We will continue to work with and learn from the customers that have helped drive our success, from innovative designs to taking responsibility for energy and environmental concerns."

For more information: (800) 999-9574; www.lightingservicesinc.com

Photos: National Constitution Center, Philadelphia, PA; Hong Kong Convention Center, Hong Kong; Nordstrom, Los Angeles, CA
Bring drama to architecture. Add colour with gels or glass filters, control glare with rotatable barn doors and dim the light without affecting colour temperature. All this, plus a cool touch, tool less handle for accurate beam direction. Incandescent or metal halide lamp source, the choice is yours. The choice is the TP series.

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<thead>
<tr>
<th>LAMP TYPE</th>
<th>TP38</th>
<th>PAR38</th>
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<tr>
<td>VOLTAGE</td>
<td>100, 120, 230, 277</td>
<td>45-250 watts</td>
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<tr>
<td>DIMENSION</td>
<td>6&quot; (152mm) x 9.8&quot; (248mm)</td>
<td>UL/CUL/CE listed</td>
</tr>
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Bring drama to architecture. Add colour with gels or glass filters, control glare with rotatable barn doors and dim the light without affecting colour temperature. All this, plus a cool touch, tool less handle for accurate beam direction. Incandescent or metal halide lamp source, the choice is yours. The choice is the TP series.

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Lighting Services Inc  800 999-9574  www.LightmgServicesInc.com
Lutron Electronics

Lutron Electronics is the world’s leading manufacturer of innovative lighting controls for any project. Smarter, healthier, more efficient buildings are essential for the future, and Lutron lighting controls are a primary means of achieving this goal. Lighting control strategies available to design professionals include dimming and switching systems, fluorescent dimming, personal control of light, and seamless integration of controllable window treatments.

One of Lutron’s recent innovations to support these goals is the GRAFIK 7000™ centralized lighting control system. Designed for optimal scalability, GRAFIK 7000 is a powerful new tool that brings unprecedented integration, control, and energy management advantages to any size project. Incorporating advanced, Web-based lighting automation technology, the system can be operated and monitored from anywhere in the world. GRAFIK 7000 features innovative floor-plan-based software and a Graphic User Interface (GUI) that provide central, local, and personal control options with customizable access privileges. Additionally, GRAFIK 7000 can meter and monitor lighting system energy usage and peak demand, allowing facilities teams to minimize energy charges.

Controlling natural light with Sivoia QED™ shading systems is a compelling way to embrace natural light and make it work to enhance any project. Integrated shading systems also create more efficient buildings by decreasing a building’s dependence on electric light. Sivoia QED ultra-quiet shades raise and lower in perfect unison, ensuring a uniform appearance, and eliminating harsh glare at the touch of a button. Beyond lighting control products, Lutron’s dedicated sales and project management teams can assist in all stages of building design. From conceptual designs and construction drawings through commissioning, Lutron is committed to making your design a success. In any commercial space, in every corner of the world, Lutron controls the light.

For more information: (800) 523-9468; www.lutron.com

Photos: Lutron lighting controls are used in projects that range from the Washington D.C. convention center to hotels, restaurants, office buildings, stadiums, and a range of other venues.
Complete lighting control solutions for stadiums and arenas

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Lutron dimming and switching panel and customized graphical interface control screen

Lutron’s GRAFIK 7000 system provides switching, dimming and daylight control for stadiums, arenas, convention centers, and any other large public space project. Find out more at 877-258-8766 ext 214 or www.lutron.com/architecturallighting

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Osram Sylvania

Osram Sylvania and its parent company, Osram GmbH, is the second-largest lighting and materials company in the world and provides its products and services to more than 140 countries around the globe. For more than a century, this Danvers, Massachusetts-based manufacturer of lamps and related materials has been raising the bar on lighting technology with in-depth scientific research, a close watch on industry trends and new technology, and a heightened environmental awareness and desire to better care for the natural world in which we work and live.

Industry Insight

Osram Sylvania's focus on energy efficiency, longer service lives, and the environment are evidenced by the company's Ecologic line of products. But it's not only there that architects will see Osram Sylvania's attentiveness to environmental concerns. "These values apply throughout the life of all Sylvania-branded lighting products—from initial development and production to service life, recycling, and disposal," says Pam Homer, environmental marketing manager of the company.

There's no better example of Osram Sylvania's ecological efforts than its ECOLOGIC Certification Program, which awards businesses for their use of environmentally better materials—including the company's own Eco family of products, which were specifically engineered and designed to protect and preserve natural resources, better serve the end-user's health, and save on costs. "Our actions include the development of energy-efficient products, the selection of environment-friendlier raw materials, reduced waste, optimized packaging, and the economical use of energy in all manufacturing processes," says Pam Homer, Osram Sylvania's environmental marketing manager. The product line's newest pieces include the lead-free Sylvania 40-watt Par20 Capsylite IR halogen lamp, low-mercury Pentron Eco fluorescent, and highly efficient and long-lasting Metalarc Powerball Ceramic Par 38 Eco metal halide lamps.

It's clear that Osram Sylvania has the future in mind. And with this unique approach to meeting lighting needs, the continued manufacturing of quality products, and a reputation that will surely stick with the company for many years to come, Osram Sylvania will surely have a bright future of its own to look forward to.

For more information: (800) LIGHTBULB; www.sylvania.com

Photos: The SYLVANIA ECOLOGIC® program of environmental responsibility features hundreds of ECO-labeled lighting products and energy-efficient lighting systems, as well as environmentally friendlier processes and programs; Gold's Gym uses SYLVANIA Octron Supersaver Eco lamps.
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Alanod

810 mm – just a number, but the start of something big: it was the maximum width of the anodized aluminum coils whose production marked the beginning of the ALANOD® success story back in 1976. Continuously increasing demand soon persuaded ALANOD to expand, and within a very short time it emerged as Europe’s leading manufacturer of anodized aluminum, producing coils with a width up to 1250 mm. ALANOD’s specially produced surfaces are mainly destined for the lighting industry, yet the company also opens up entirely new perspectives for decorative applications, for instance in the automotive and computer industries.

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In 1994 ALANOD proudly presented an absolute highlight: MIRO® – the aluminum of the future. MIRO, a world innovation, heralded a new material generation, combining a total light reflection of 95 percent with a complete absence of iridescent colors—unquestionably an enormous leap forward compared to the previous maximum total reflection value of just 87 percent.

Quality decides:
Technical advances are accompanied by ever-stricter demands regarding the quality of each and every product, which is why quality assurance is a top priority at ALANOD. The company uses only the purest and highest quality aluminum coils available on the world market as base material. These coils are capable of withstanding the severe loads imposed on them during the production process and are ideal for manufacturing premium products.

Technology and surface finishing:
ALANOD’s products set the standard for the world’s anodized aluminum coil industry. Four computer-controlled anodizing lines incorporating the most advanced technology available treat up to 30,000 tons of aluminum every year. The largest of these lines are 220 m and 150 m (in the UK) long and are capable of anodizing and brightening coils up to a width of 1250 mm and a gauge of 1.5 mm. Two vacuum coating lines continuously apply reflection-enhancing layers to aluminum coils with a maximum width of 1250 mm and to a gauge of 0.8 mm. The coils can then be further processed on seven slitting lines and three cut-to-length lines. Tension leveling machines guarantee exceptionally close straightness and flatness tolerances.

Looking ahead:
Application-tailored consulting, efficient order processing and a distribution and logistics system serving five continents will continue to provide the foundation for innovative quality products that will help ALANOD’s customers outshine their competitors in an increasingly competitive marketplace.

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Electrix

For over 40 years, the name Electrix has been synonymous with quality lighting. We've been manufacturing lighting fixtures since 1962 and first became involved with architectural lighting projects during the 1980s, when we started building functional lighting as a part of architecture.

Electrix has built a reputation for successfully collaborating with architects, designers, lighting consultants and engineers, resulting in numerous quality lighting design solutions. We're a rapid-response organization designing highly engineered lighting fixtures for the architectural design community.

Electrix is a fully integrated manufacturer. Our products are developed using state-of-the-art 3D CAD software and built in our manufacturing facilities in New Haven, Connecticut. Superior design, engineering and manufacturing processes all contribute to building innovative lighting fixtures that reflect style and design imagination. The direction of our product development is strongly influenced by listening to our customers and business partners' needs.

Our diverse product line includes specification-grade cove lighting systems and wall-mount luminaires for both horizontal and vertical surface illumination. We have the ability to design and build custom fixtures or modify standards, and manufacture exactly what is required to successfully complete a project. Consistent service has earned us the trust and the opportunity to grow strong, long-term business relationships.

Electrix is committed to building the highest quality luminaries and achieving total customer satisfaction. Our products are designed, built and performance-tested to the highest industry standards at our factory. From concept to component and from material selection to production, our product quality and your project are our first priority. UL and CUL listings ensure electrical safety and adherence to codes.

We work closely with lighting designers, specifiers and our sales representatives to design quality luminaries and ensure timely product delivery. Electrix is committed to satisfying the specifier. Our product range is diverse and our broad custom capabilities will meet your architectural lighting requirements.

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architectural lighting

In a new light...
WITH THE JANUARY/FEBRUARY 2004 ISSUE, WE’RE GIVING THE MAGAZINE A NEW LOOK AND A NEW APPROACH TO THE CONTENT IT OFFERS.

NEW CONTENT

As the independent voice on lighting, our new content will consciously speak to the entire design community—architects, interior designers and lighting designers alike—with an editorial focus on the process behind projects, with more drawings, renderings, product specifications information and an expanded project details box. New sections will spotlight “hot” architectural projects from a lighting angle, explain specific design challenges and provide a forum for industry issues.

NEW DESIGN

We have reorganized the magazine into three easily navigable sections, while a contemporary, color-infused design energizes the pages and balances the highly organized structure of the magazine. Icons alert readers to articles that address sustainability issues, as well as online continuations of print stories.
Acrilex

Acriglas custom acrylic sheets for lighting in faux finishes are designed to emulate the colors and textures of natural stone, patterned and frosted glass, mother of pearl and metal. Easy to fabricate and thermoform, this material is also specially formulated to withstand exterior conditions, UV exposure and impact.

Architectural Area Lighting

The Flex is composed of a lamp, ballast and post-top module linked together by two stainless-steel arm rails. The Flex's full-cutoff, horizontal reflectors provide efficient, glare-free illumination. Multiple arm designs and mounting options form a flexible visual palette. Dissolving the luminaire into discrete elements results in numerous advantages for operating efficiency and visual design.

Aromat

Aromat adds "mini" electronic ballasts to its current line of products. These ballasts are 50% smaller than the industry standard case and are available in two configurations, "mini-slim" and "mini-square." Available for 20-watt and 39-watt metal halide lamp systems running on a 120V power supply, the ballast and lamp combinations save 73% and 50% respectively, compared to the energy consumed by a 90-watt HIR lamp. (888) 4-AROMAT

Boca Flasher

Boca Flasher's new LED Brick Light is a great instrument for lighting such areas as walls, windows and scenic elements. The Brick Light is available in a 6-in. or 12-in. housing and a UL-listed damp or wet location model. Control utilizes standard DMX protocol with 5 pin XLR connections.

C.W. Cole

LR5 Series Lightrail is a versatile and functional illuminated handrail, suitable for interior or exterior guardrails and stair or ramp railings. LR5 is available in special finishes with optional mounting. The design of the LR5 provides symmetrical illumination from a design that is small enough to conform to ADA requirements.
Derek Marshall Lighting

A subtle asymmetry and bold texture create an informal touch in the Derek Marshall Small Bamboo Wall Sconce. Shown finished in acid-washed verdigris, it is available in a wide variety of unusual finishes. The bamboo sconce is ADA compliant, measuring 8 in. (W) x 13 in. (H) x 4 in. (extension). Accommodating up to 100 watts, it produces a soft up-and-down wall wash. UL-listed. To view the full line of sculptural wall sconces, visit us on the web at www.derekmarshall.com or call us for a free catalog at (800) 497-3891.

Elite Bohemia/ BarDel International

Elite Bohemia's 45-light "STRASS" crystal chandelier with matching nine-light wall sconce. Elite Bohemia Lighting, distributed by BarDel International, brings to you the finest crystal chandeliers from the Czech Republic, which use Swarovski trimmings to include "STRASS" and Spectra grades. Visit our website for more information at www.elitebohemia.com.

Eclipse Lighting

Eclipse Lighting, Inc. designs and manufactures award-winning architectural indoor and outdoor sconces, decorative luminaires, and vandal-resistant fixtures using the latest in technology fluorescent, HID and Induction lamps. Our new Dark Sky-compliant fixtures and many new decorative options and features add visual and functional enhancement to our line of products.

Engineered Lighting Products

CLC Series—Cornice Cove Light. Engineered Lighting Products' wall-mounted cove system combines a continuous decorative cast GRG cove (glass-fiber reinforced gypsum) with a high-performance cove lighting system. The asymmetric reflector distributes uniform light into the space without noticeable socket shadowing. Lamp options are biax, T5 or T8 fluorescent. The cove casting is offered in three standard styles (custom designs also available) and is provided in 8-ft. sections. 90-degree corners are also available. Visit our website at www.elplighting.com or call (626) 579-0943 for more information.

Electrix

Electrix manufactures a wide range of performance cove systems to efficiently drive illumination across walls and ceilings. Our AX series was designed around T5 fluorescent lamp technology with an asymmetric extruded aluminum reflector that adjusts 35 degrees. This series has a compact fixture design of 3-in. high by 5-in. wide. Electrix also offers a complete line of field curvable, linear and ramped cove lighting products for architectural applications.

Juno Lighting

Juno's new Avio™ lighting system makes it easy for you to spotlight merchandise in your retail environment. The exceptionally versatile Avio system includes track, recessed and surface mountings and fixtures with one to four lamps in dual gimbal. That's why Avio can handle just about anything you want to throw under it.
**Lightology**

The Lyra suspension fixture combines diffuse direct/indirect uplighting from 3500K T5 fluorescents with fully adjustable MR16 downlights (dimmable, and louvered to prevent glare). Lyra is easily wired for separate switching between fluorescent and halogen sources. Aluminum body, 120 in. (L) x 2 in. (H) x 8 in. (D). (Also available: 48-in., 60-in., and 96-in. versions). WINNER, CITATION OF EXCELLENCE, NEOCON 2002.

**Original Cast Lighting**

The WING sconce is one of several contemporary ADA wall sconces from OCL. Laser-cut aluminum wings wrap around cylindrical virgin white acrylic. Check out the entire selection of sconces, pendants, and more at www.theOCL.com or call (314) 863-1895.

**Luceplan USA**

The new Trama fully exploits the quality of the lamp, which is uniformly diffused. The new version of the fluorescent circular lamp with electronic or switchstart ballast, reveals Trama’s outstanding qualities, excellent luminous efficiency with no glare. Furthermore, the shape of the hinges and its simple magnetic clamp make it easy to open to replace lamps and allow complete detachment of the diffuser for cleaning.

**Prima Lighting**

Sunrays

Exceptional in both form and functions. Sunrays brightens any area. The light glows from the fixture’s 12 “glass wings” and softly illuminates the area below. Sunrays can be used in low-voltage monorail, cable, and monopoint/multi-point canopy system. Options of polished chrome and silver finish. Max S0W JC Xelogen bulb. For more information, call toll free (866) 885-4915 or visit www.primalighting.com.

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**Sea Gull Lighting**

Ambiance® Lighting Systems is a Sea Gull Lighting brand focused on emerging technologies and design in low-voltage lighting. Decorative glass pendants, linear, track and rail systems are features of the Ambiance® line. For commercial, architectural and residential specification—design with light. For Product Information call (800) 347-5483 or visit www.AmbianceLightingSystems.com.
Se'lux

Selux MTR systems provide an intriguing marriage of classic contemporary forms with the patented MTR refractor technology. MTR is a true prismatic refractor system with glare-free illumination, distributed precisely where it is needed. This product family includes bollard, wall-mounted, column forms and pole-mounted luminaires of die-cast and extruded aluminum.

Semper Fi

Semper Fi Power Supply manufactures UL-listed indoor and outdoor remote transformers that ensure no noise, no maintenance and full light output. Indoor units can be recessed into an insulated wall with up to eight transformers in an enclosure. Outdoor transformers include above-grade stainless or DIRECT burial.

THHC Lighting

THHC Lighting is the originator of low-voltage miniature Xenon lamps. Now we are happy to introduce the line-voltage Xelogen (Xenon) 120V series; they are available in 3 different base configurations: mini-can, candelabra, and D.C. Bayonet. With a lamp life of 5,000 hours, you can use 120V series in many applications: vanity lighting, decorative fixtures, drop ceiling pendants, and directly replace single-ended Halogen lamp. For more information: www.xelogen.com.

Traxon USA

Traxon’s Mood-Light—an LED line of programmable, architectural panels and decorative accent objects. The products are capable of producing millions of additive RGB colors with variable intensity. The Mood Light is ideal for commercial design applications in hospitality, entertainment, display and healthcare, as well as residential projects—wherever attractive, exciting or calming lighting is desired. For more information, contact Traxon USA at (212) 736-2286 or visit our websites www.traxon-usa.com and www.mood-light.com.

Swiss Tool

Swiss Tool provides the leaders of the lighting industry with a diversified line of fabricated, extruded aluminum shapes from job-specific customs to open tooled lines each with the fastest turnaround time from drawing board to delivery in the industry.

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