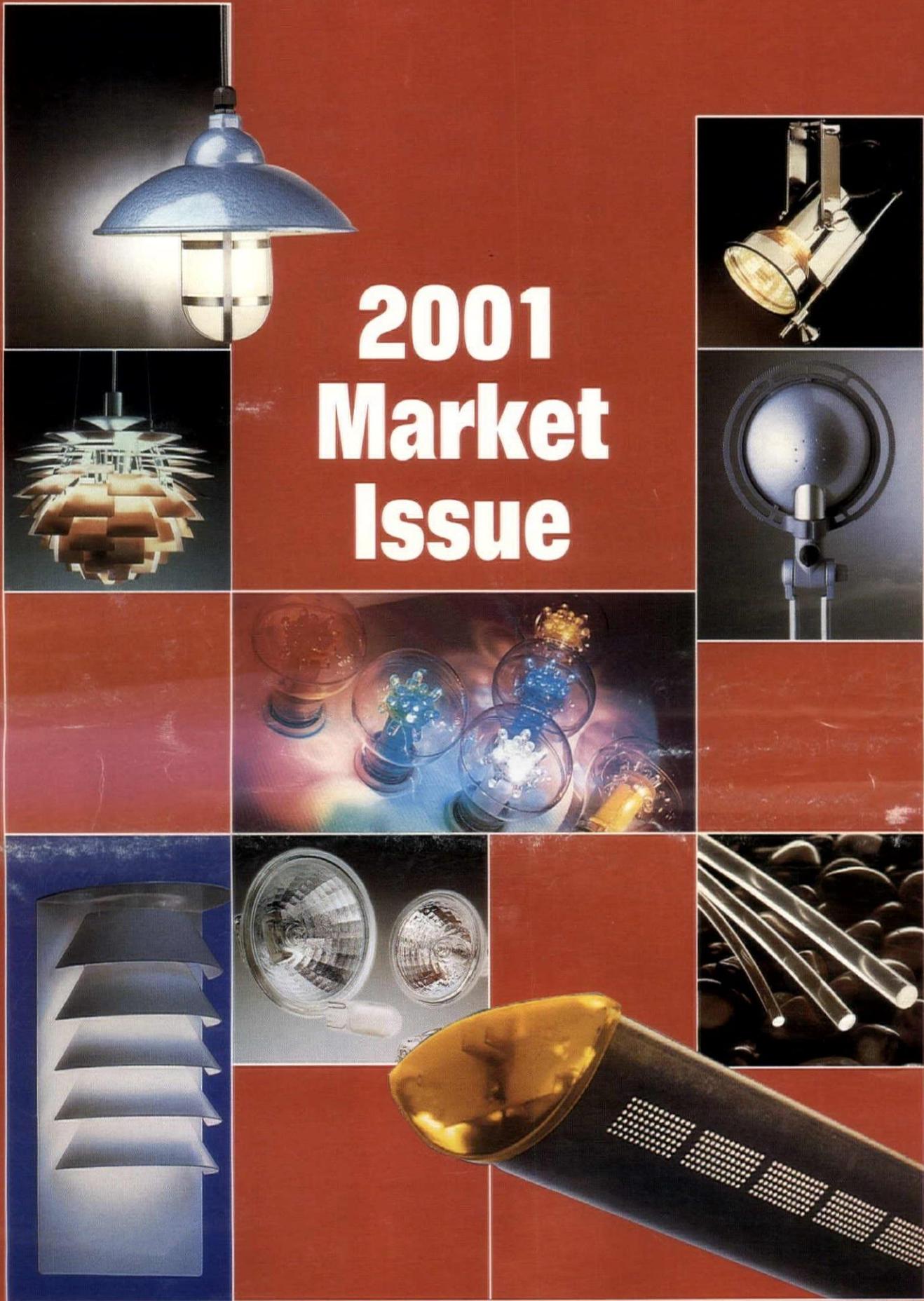


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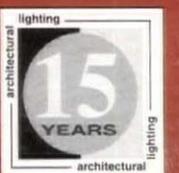


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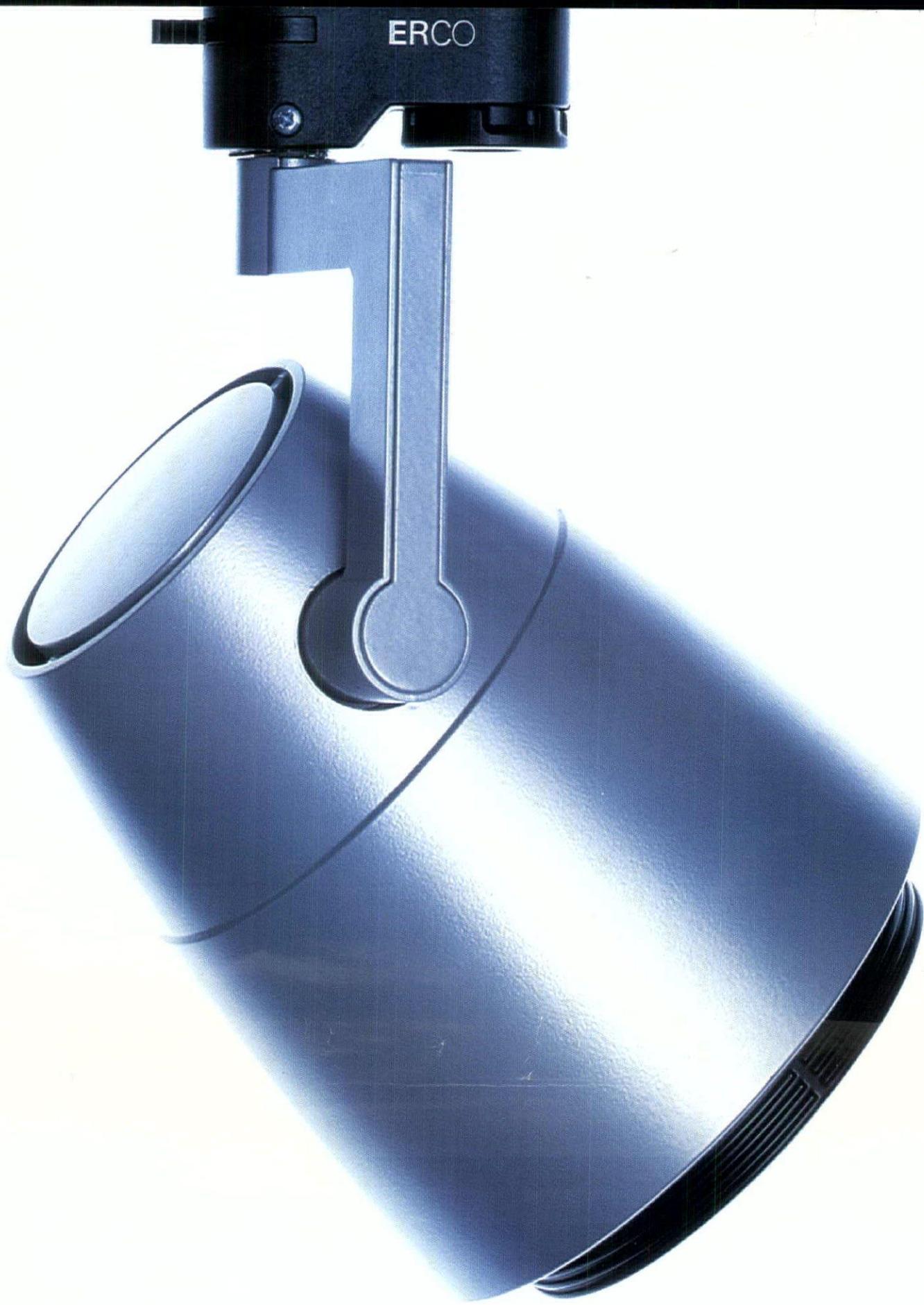
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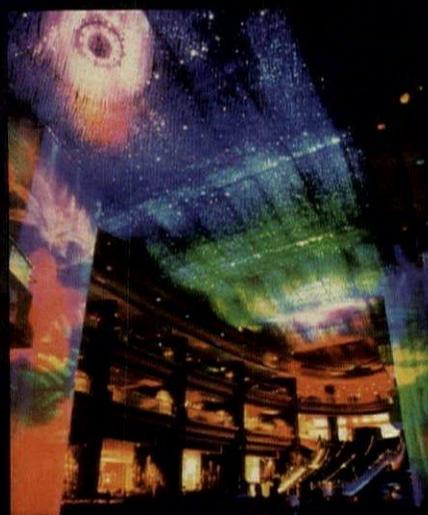
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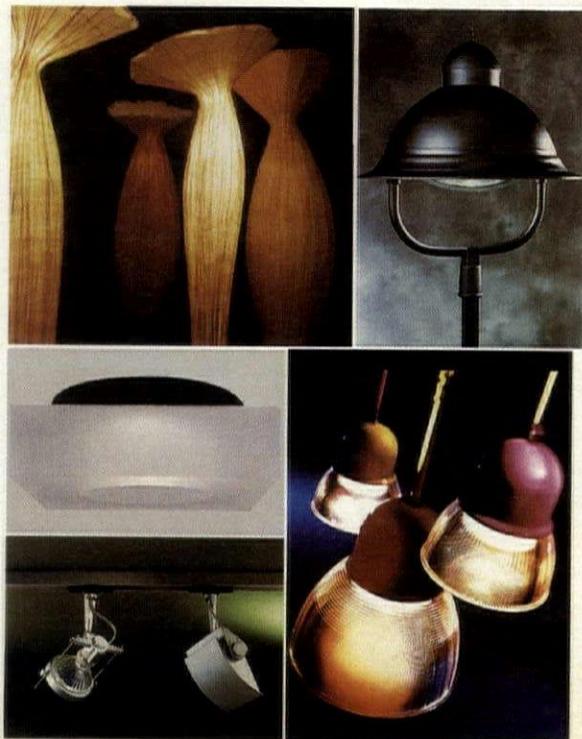
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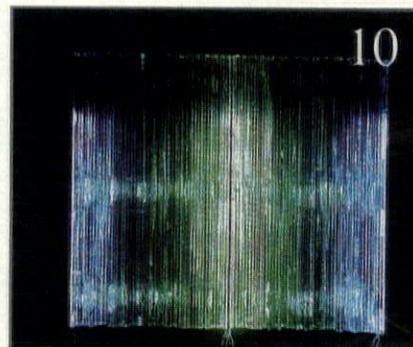
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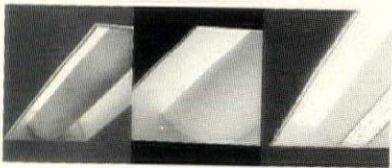


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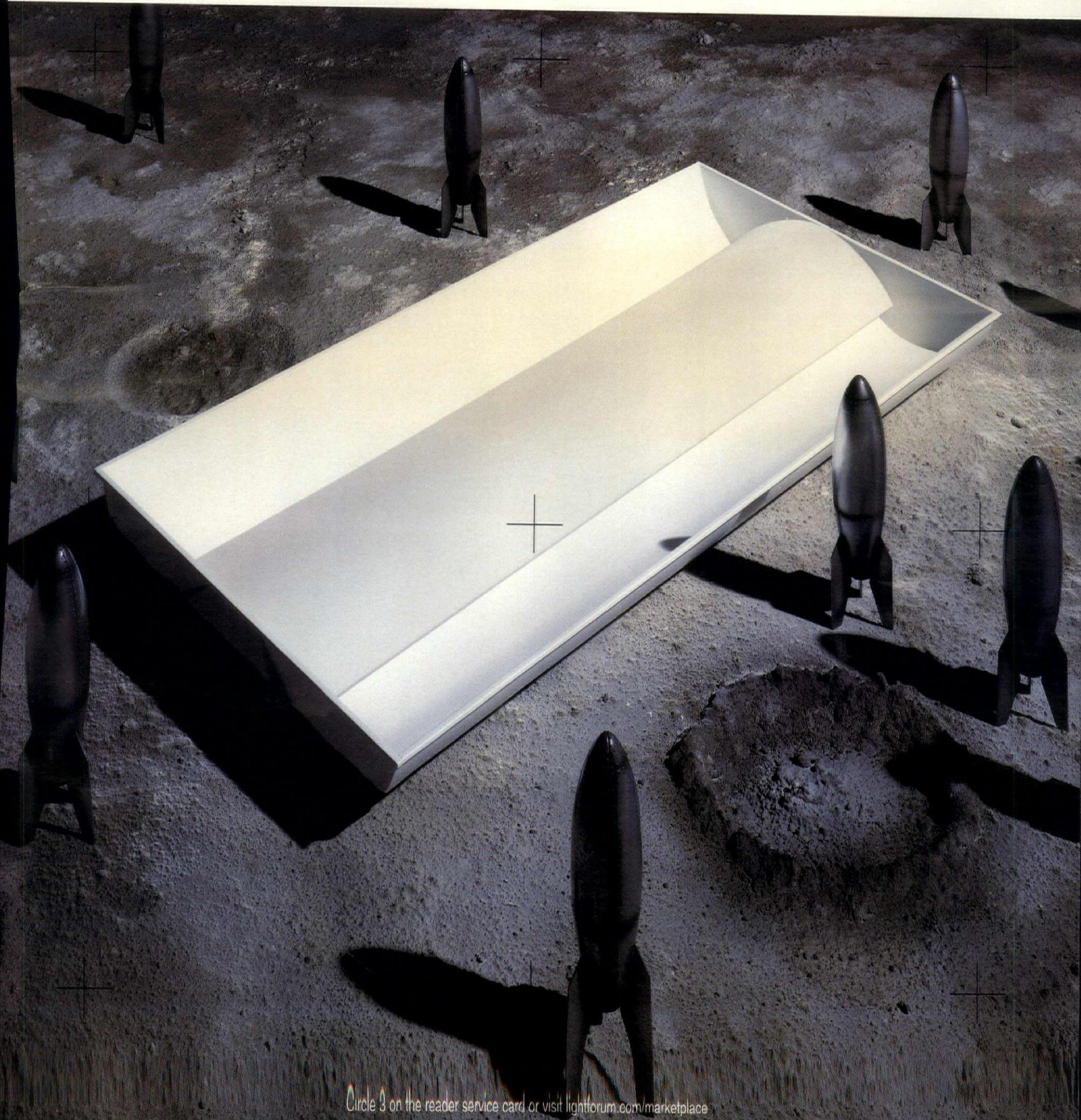


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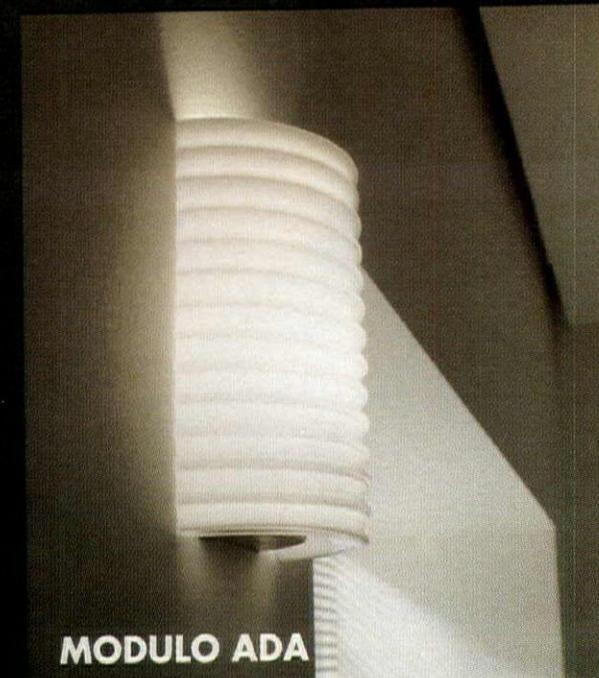
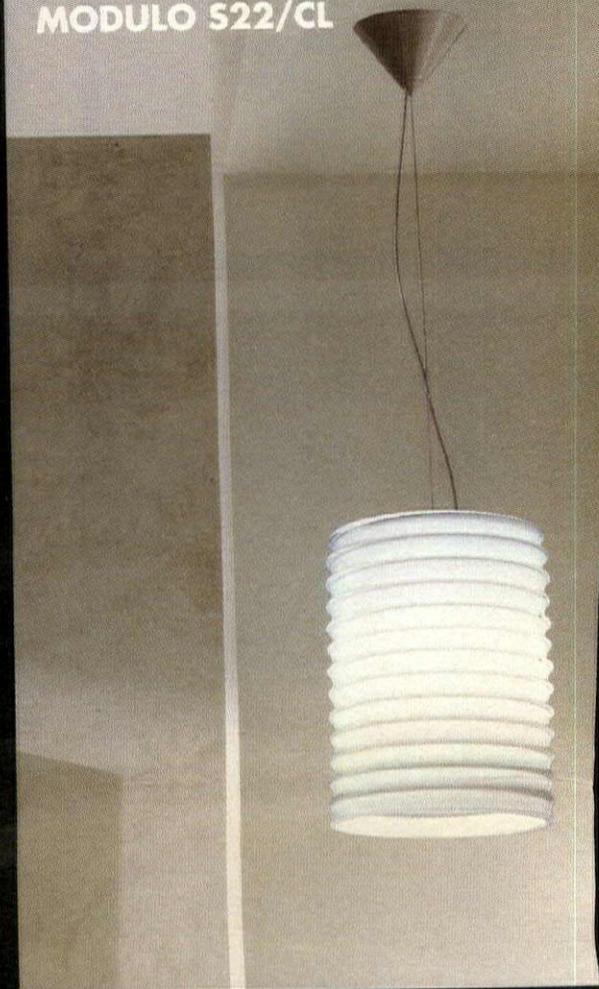


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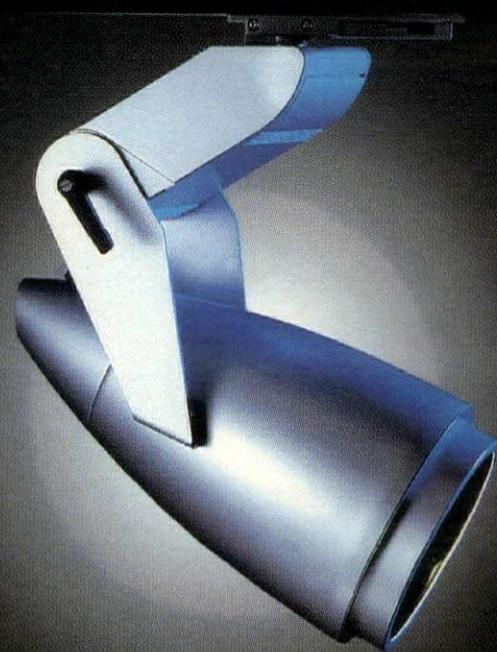
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## DEMAND & SUPPLY



Christina Trauthwein,  
Editor-in-Chief

You say you want more products? Well, here, once again, is our much-anticipated annual Market Issue—you know, the one dedicated to giving you the inside scoop on a wide variety of fixtures, lamps and the like. In fact, you'll find more than 200 innovative offerings from lighting manufacturers—some are even so new, they're set to debut at Lightfair. But this is just a sampling of all that's out there...please continue to send us your product information or any exciting technologies and designs that you find particularly noteworthy.

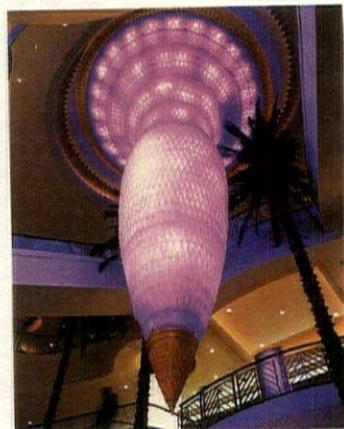
Looking forward to seeing you all at Lightfair!



## the inbox

### DID YOU KNOW?

The world's largest single chandelier is located in the grand lobby of the Hollywood Casino Hotel in Shreveport, LA. Attached to a ceiling coffer and suspended down four floors, the single pendant chandelier extends 40 ft. 6 in. in overall height, 25 ft. in diameter and weighs 14,186 lbs. The fixture consists of structural steel and aircraft cables and sports an exterior paved with 3,224 cast-resin shingles finished in frosted glass and overlapped in a fish-scale pattern. Eighty-eight full-spectrum, digital lighting fixtures from Color Kinetics are encased in the chandelier, enabling it to produce over 22 million dramatic color combinations. The chandelier was designed by Dallas-based Wilson & Associates and manufactured and engineered by Long Island, NY's Sirmos Lighting. Sirmos president Craig Corona served as the chandelier project's engineer.



### DESIGN FIRMS MERGE

Van Nuys, CA-based Moody Ravitz Hollingsworth Lighting Design and Passamonte Lighting Design in Valencia, CA have merged their business operations. The combined company will be renamed Visual Terrain, Inc. and will serve both the architectural and entertainment markets.

The executive officers are James L. Moody, director of photography; Jeff Ravitz, principal; Lisa Passamonte Green, principal; and Dawn Hollingsworth, principal and CFO. Visual Terrain corporate offices are located at 14141 Covello Street, Suite, 4B, Van Nuys, CA 91405, but an office at 38075 Avenue Stanford, Valencia, CA 91355 will be maintained until consolidation is completed. A new website at [www.visualterrain.net](http://www.visualterrain.net) is targeted for launch before June 2001.

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## FIFTH LRO LIGHTING RESEARCH SYMPOSIUM: CALL FOR PAPERS

The Lighting Research Office, a service of the Electric Power Research Institute (EPRI), has announced that the Fifth LRO Lighting Research Symposium will be held November 3-5, 2002 at the Grosvenor Resort in Orlando, FL. The theme of the 2002 Symposium will be "Light and Human Health."

Contributions from researchers and technical experts from around the world will explore the effects of light on human health and well being, covering such topics as: Circadian rhythms, the aging eye, Alzheimer's and other mental disorders, medical applications (autism, dyslexia, lupus) and environmental UV.

Researchers interested in presenting a paper at the Symposium should contact Terry McGowan, executive director of the Lighting Research Office by June 30, 2001 with their title and subject information. The Lighting Research Office is located at 3574 Atherstone Road, Cleveland Heights, OH 44121; phone (216) 291-1884, fax (216) 382-6424, email [lighting@ieee.org](mailto:lighting@ieee.org). Abstracts are due by August 31, 2001. Final manuscripts are due on July 1, 2002. Papers presented at the Symposium will be published in the conference record and, with discussions, as a formal EPRI Report.

## NEW FIRMS

PAE Consulting Engineers in Portland, OR has announced the formation of a new division, **Luma Lighting Design**. Headed by Mark Ramsby, IALD and Craig Oty, LC, Luma is located at 808 SW Third Avenue, Suite 450, Portland, OR 97204-2426; phone (503) 226-3905, website: [www.lumald.com](http://www.lumald.com).

William Leddy, Marsha Maytum and Richard Stacy have launched **Leddy Maytum Stacy Architects**. The new firm is located at 444 Spear Street, #201, San Francisco, CA 94105. To contact the new firm, phone (415) 495-1700, fax (415) 495-1717 or visit [www.lmsarch.com](http://www.lmsarch.com).

## PROMOTIONS AND NEW FACES

Schuler & Shook, Inc. has named **James Baney, IALD, LC** principal; **William Conner, ASTC** principal; and **Ann Reo** senior lighting designer.

**Robert E. Weinberg** has been appointed senior VP at Lutron Electronics Co., Inc.

**Loretta Sheridan** and **Peter Veale** have joined Horton Lees Brogden Lighting Design.

**Gary K. Markowitz**, president of Kilojolts Consulting Group, has been accepted into the IALD.

**Louise D. Clark** has joined 4D Lighting Design as a lighting designer.

Taylor & Associates Architects has promoted **Bill O'Rourke** to associate.

## ON THE MOVE

Bogdanow Partners Architects has relocated to 215 Grand Street, 8th floor, New York, NY 10013. The firm can be reached at phone (212) 966-0313, fax (212) 941-8875.

## CORRECTIONS

In the January/February issue of *Architectural Lighting*, Architectural Details, Inc. was omitted from list of lighting manufacturers whose products were used in the Tribeca Grand Hotel. *Architectural Lighting* regrets the error.

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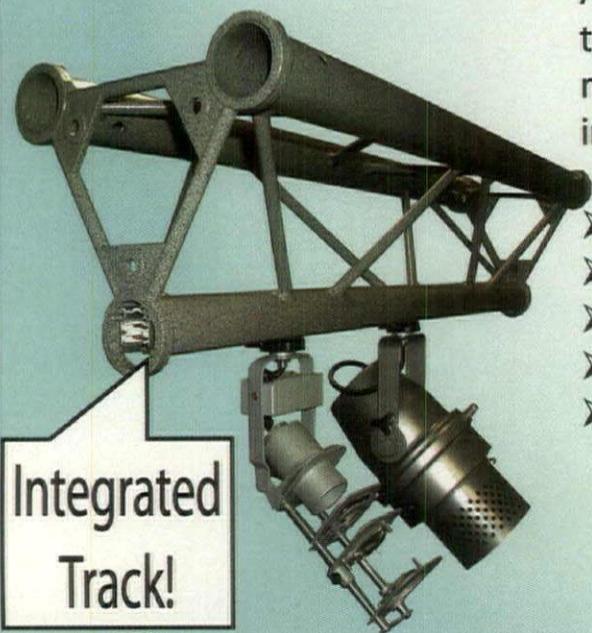
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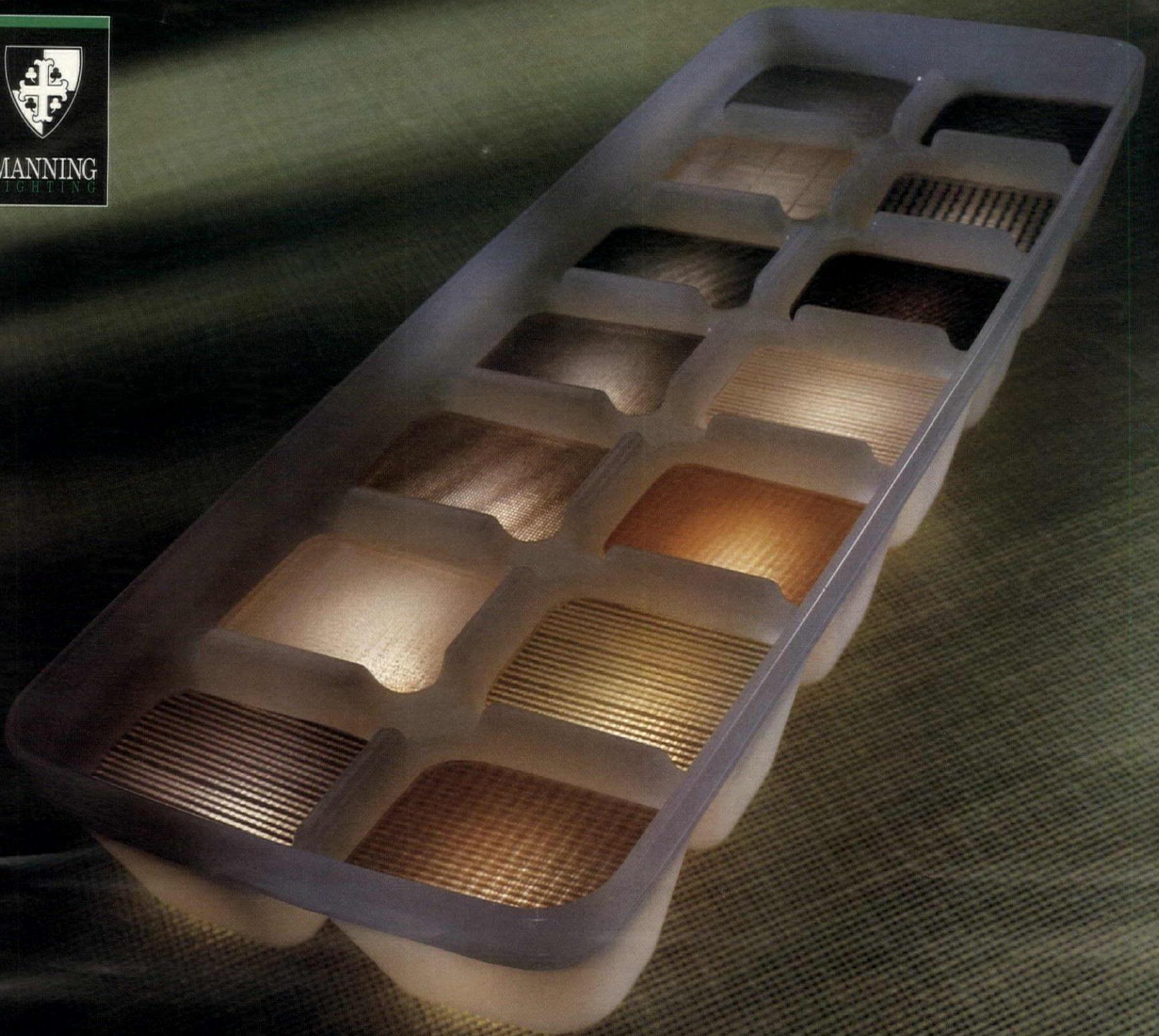
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# You Say You Want a Revolution...

Students at the Harvard Graduate School of Design experimented with available sources to imagine the possibilities of OLED lighting, which may challenge both the “lamp culture” and our perception of how lighting is integrated with architecture

BY CHRISTINA TRAUTHWEIN, EDITOR-IN-CHIEF

Imagine a light source so integrated with building materials that with the activation of electric current, simple wood, brick and concrete surfaces are transformed into a colorful, kinetic, luminous environment—where the infrastructure of the light source is diminished to virtually nothing while the presence of light is magnified.

Imagine “lighting wallpaper,” cut into sheets, bright enough to provide general lighting to a commercial space at a fraction of the energy cost and heat output. This same material is also used to create luminous directional and egress signs throughout the space.

This emerging technology is called organic light-emitting diode (OLED), and with scientific breakthroughs promising to deliver products from the lab to the market, it may challenge our imaginations in the future—and our perception of the relationship between lighting and architecture.

## ORGANIC LEDs

OLEDs are similar to LEDs, but with no limits to the size of the light source and colors that can be produced. An OLED light source, in its simplest form, consists of a thin, flexible sheet of material comprised of three layers—an organic or polymer film sandwiched between two layers of electrodes, one of which is transparent. As electric current is passed through the material, light is emitted through the transparent layer.

“In this way,” writes Dr. Makarand H. Chipalkatti, Marketing & Technical Manager for Osram Sylvania, “OLEDs are made by taking the dynamic natural phenomenon of phosphorescence found in many fish, insects and plants—and electrifying it.”

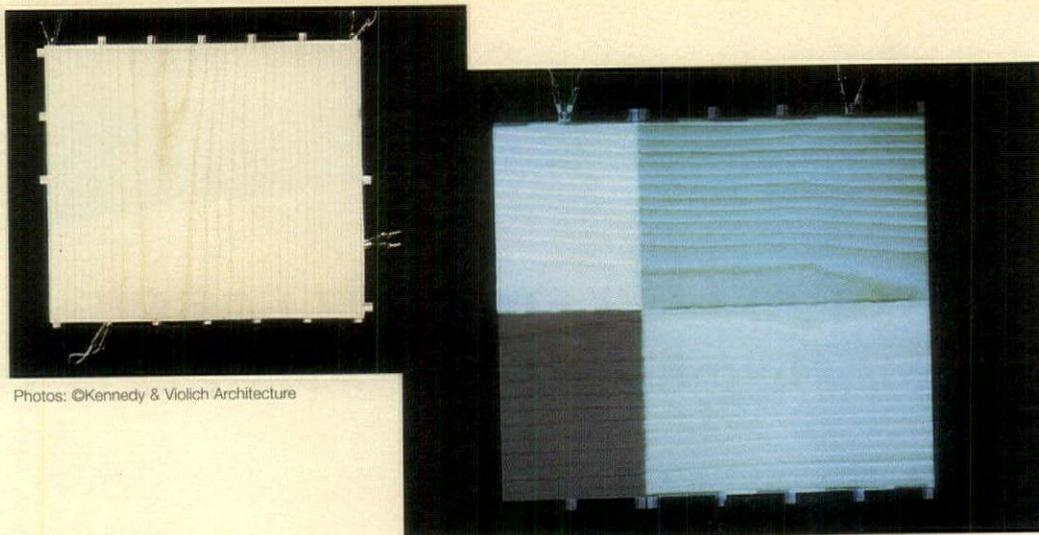
Note that as with any new technology, there are a number of terms touted by various manufacturers in an attempt to both define the technology and differentiate their own approaches. Organic light-emitting diode (OLED) encompasses a broad range of organic materials that can be used for electroluminescence, either *polymeric* or *molecular*.

Light-emitting polymer (LEP) and polymer LED (PLED or PolyLED) describe an OLED that is made of a polymer film that was invented in 1990 at Cambridge University in England. Sublimed molecular films (SMF) describes the original electroluminescent material invented by Kodak in the 1970s, which employs a molecular approach, with performance evolving from the development of synthetic molecules.

As indicated above—and because you may be asking yourself, “Why does this sound familiar?”—electroluminescent light sources, in which a thin (3-mm.-thick) material is excited by an electric current to produce light, are nothing new. Today’s electroluminescent light source offers light output of some 20-80 cd/m<sup>2</sup>; can produce a range of colors including blue, green, blue-green, orange, warm whites and cool whites; provides consistent and uniform brightness; operates for about 5,000 hours; and is dimmable.

One of this light source’s greatest limitations, however,

(Continued on page 12)

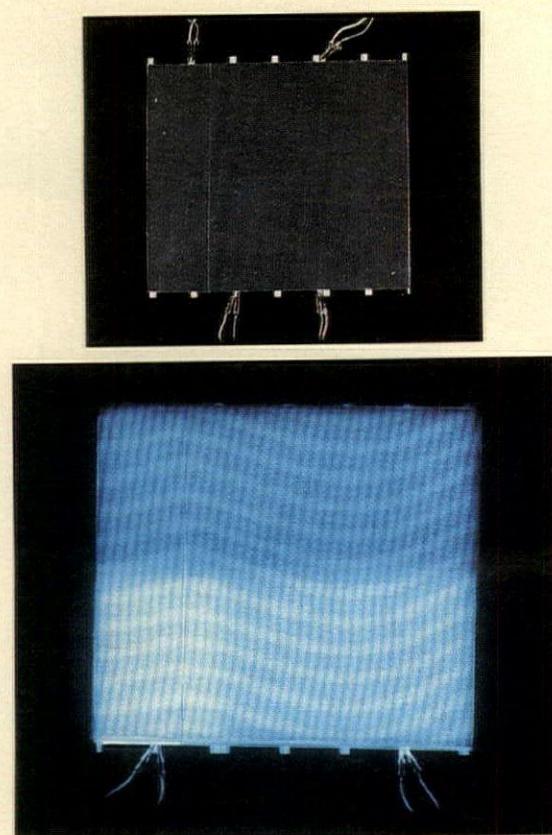


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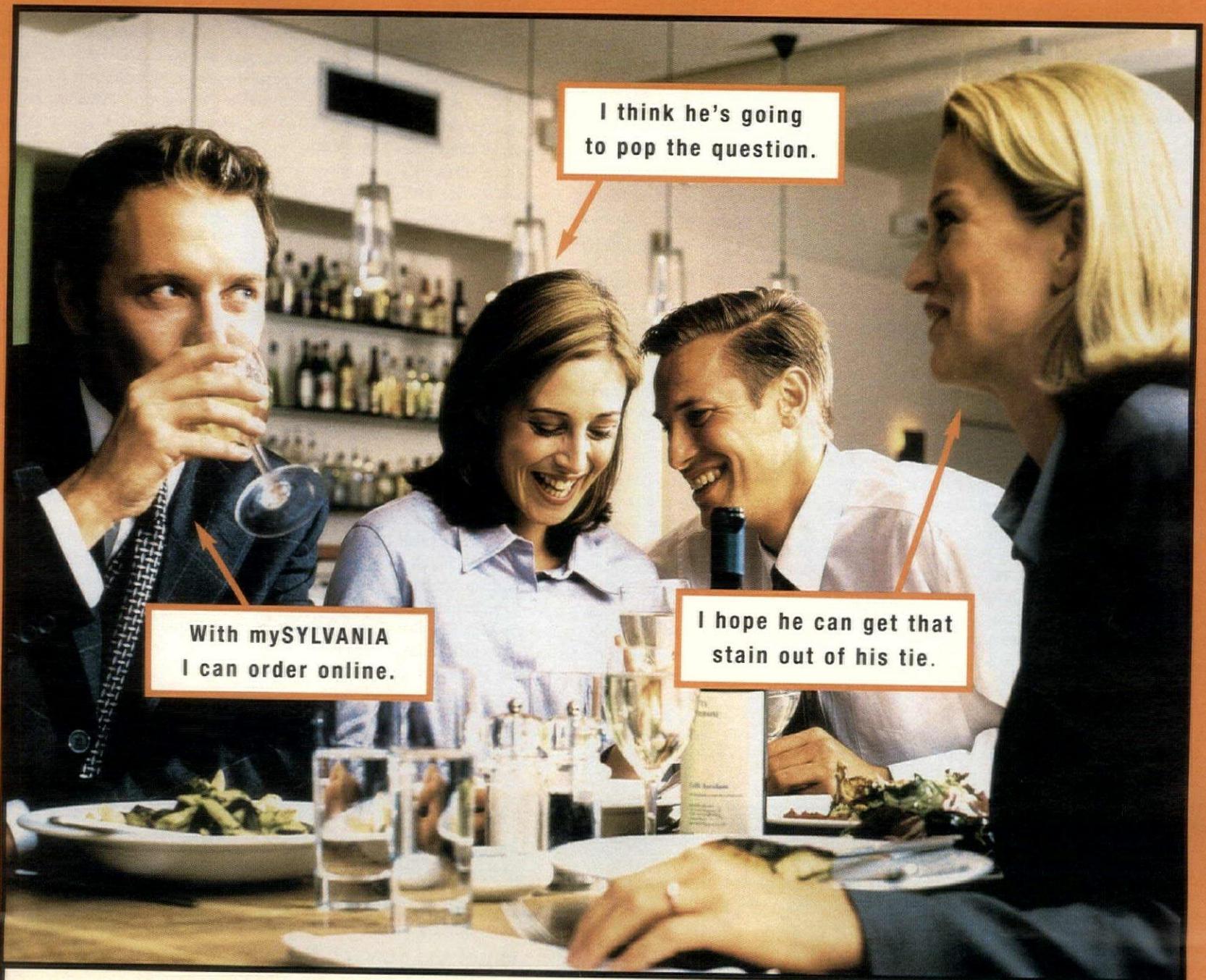
To create “EL Plywood,” KVA staff and students working at KVA’s studio took a standard 10-in. x 12-in. x 1/2-in. plywood sheet (left), added strips of thick electroluminescent material and sealed and covered it with a sheet of wood veneer. When electric current is passed through the electroluminescent material, a cool, intense light reveals the woodgrain, turning this material into a potential medium for light, color or information (right).

**“It was an almost magical experience for me to see solid material being turned into radiant light. In the work of this studio we find glimpses of a new era, in which light has to be rethought as an embedded part of architectural material and its composition, rather than as an external condition. Le Corbusier’s famous definition of architecture as “volumes playing in light” now has to be redefined as “light playing in volumes.”**

—W.J. Neutelings, Neutelings Riedijk Architecten, Netherlands



What you’re seeing in the top photo is a 10-in. x 12-in. x 1/2-in. strandboard with electroluminescent sheets attached, over which a 1/8-in.-thick transparent PVC sheet and two layers of plastic screen have been affixed. When activated, the electroluminescent sheets produce a blue-green light in a moiré effect that changes depending on the viewer’s position (above).



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is its relative low light output compared to fluorescent and incandescent light sources. An electroluminescent light source generates some 20-80 cd/m<sup>2</sup> of light output compared to about 10,000 cd/m<sup>2</sup> for the surface of a fluorescent lamp and 1 million cd/m<sup>2</sup> for a 100W frosted incandescent lamp.

So what is new?

What's new is that advancements in OLED research, using synthetic molecules and polymer films, offer the potential to dramatically increase light output. According to Uniax Corporation, OLED light sources operating at low voltages and with efficiencies of 3-4 LPW or 2-3 percent photons/electron can already generate light output levels greater than fluorescent and incandescent lamps under laboratory conditions. In pulsed operation, light output approaching 100,000 cd/m<sup>2</sup> can be achieved, more than 1,250 times the light output of today's electroluminescent light sources and 10 times the light output of typical fluorescent lamps.

But wait—don't stop specifying fluorescent lamps yet. According to Uniax, the amount of energy required to generate significantly high light output, such as 100,000 cd/m<sup>2</sup>, at a 3-4 LPW or 2-3 percent photons/electron efficiency results in excessive heat, which reduces the life of the light source to a point where it is not economical. Philips, for example, reports that its current results with OLED light sources are producing operating lifetimes of a little more than 1,000 hours.

Uniax stated that efficiencies as high as 25 percent photons/electron are achievable in principle, however. This company, in addition to Philips, Osram Sylvania, Cambridge Display Technology, Pioneer, Universal Display Corporation, FED Corporation and other manufacturers, is continuing to develop OLED technology in a broad range of applications, from full-color displays to lighting. Most OLED products

have immediate potential or are currently marketed as an alternative to liquid crystal displays (LCDs) and cathode ray tube screens and for low-level backlighting for LCD displays. Applications include watch faces, automotive instruments, medical instruments, cell phones, pagers and other commercial products—even video wristwatches à la Dick Tracy.

In the area of lighting, should OLEDs achieve efficiencies at which they can offer both high light output and competitive operating lifetimes in large, thin, flexible light sources, they could present a unique alternative to traditional lighting methods—and challenge perceptions about how spaces are lit, particularly how lighting is integrated with architecture.

### SHOW ME THE MONEY

Today's specifier has a right to be skeptical about new lighting technologies. Some, like T5, T5/HO and T2 lamps, have been successful, sparking a small revolution in fixture design, particularly in the area of indirect lighting, once these lamps were commercially available from companies in the lighting industry. Others, however, such as the E-Lamp and the sulfur lamp, appeared to promise a revolution but never delivered. The bigger the perception of panacea, the more skeptical lighting specifiers are likely to be. OLED technology is no exception—it has a way to go.

One can still dream, however. And that's just what Sheila Kennedy, AIA does in her practice, using solid-state materials. Kennedy is a Principal of Kennedy & Violic Architecture (KVA), whose work explores how elements of infrastructure, including lighting and information systems can be integrated with architecture. Most of KVA's work focuses on how electroluminescent, phosphor pigments and LED light sources can be expressed through common building materials such

as wood, marble, glass and other materials. Past KVA projects have garnered the firm six National Honor Awards for Design Excellence from the American Institute of Architects and other awards, and have been exhibited at various museums including the Museum of Modern Art in New York.

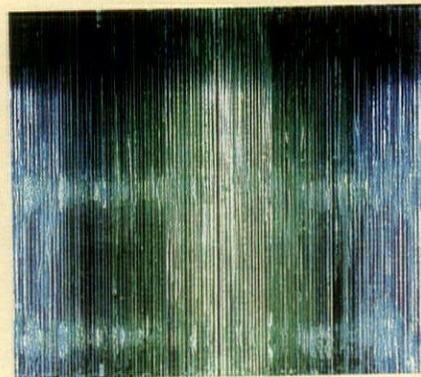
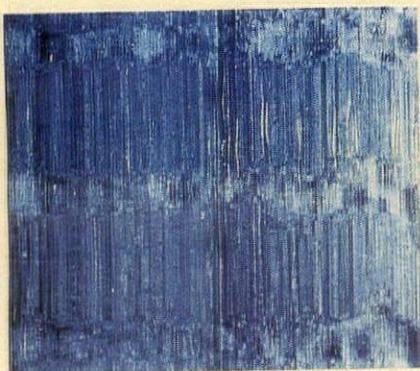
As an Associate Professor of Architecture at the Harvard Graduate School of Design, Kennedy challenged her students to imagine the possibilities inherent in the promise of OLEDs in a project conducted in conjunction with Osram Sylvania.

Since OLED material was not readily available, the students used commercially available electroluminescent film to simulate how OLEDs could be integrated into building construction materials to create a kinetic, luminous environment. Kennedy also designed into the project scope the creative integration of fluorescent phosphors with building materials.

"Exploratory and collaborative in spirit," she writes, "the work of this studio investigates the architectural potentials of solid-state lighting by taking apart the component technologies of the fluorescent light fixture. By working with the phosphors that coat the inner surfaces of the fluorescent tube and correct the color of the light, the students have re-imagined this archetypal product as an integral part of architecture's precursor that suggests what will be possible to achieve with OLED devices."

Luminous materials produced in the studio were installed by the Harvard students in architectural applications in the abandoned Broadway Theater in Somerville, MA.

The results are fascinating and as indicated, show us a preview of the potential design impact of OLEDs. It makes me want to see the movie, which might just be a blockbuster. ■



Pieces of electroluminescent material were inserted between 1/8-in. float glass strips stacked together using epoxy (left). When the electroluminescent material is activated, the glass edges transmit light while the glass surfaces diffuse it—producing a sense of depth, while the light source remains "mysterious and inexplicable."

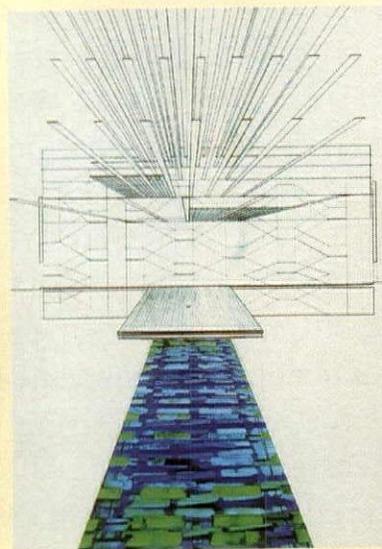
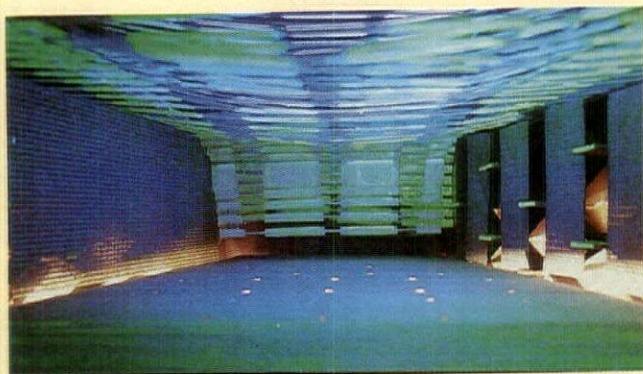
**"As with artist Rachel Whiteread's physical traces of previously inaccessible voids, the luminescent materials that were produced in this studio uncover that previously hidden interior to which we do not have normally have access, the inner soul of the surface that cannot be seen in a material's usual 'darkness.' To blur the distinction between the ephemeral light of luminescence and the permanence of a material as it is known to be is to challenge the very structure of 'darkness.'"**

**—Andrew L. Simitch, Associate Professor of Architecture, Cornell University**

Andrew Varela, one of the students in the Harvard project, envisioned the use of electroluminescent panels to create "a democratic theater," a demonstrative installation of luminescent lighting at the abandoned Broadway Theater in Somerville, MA.

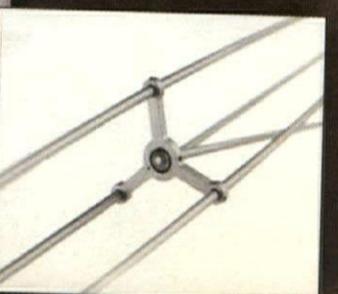
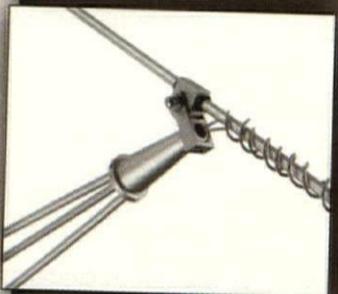
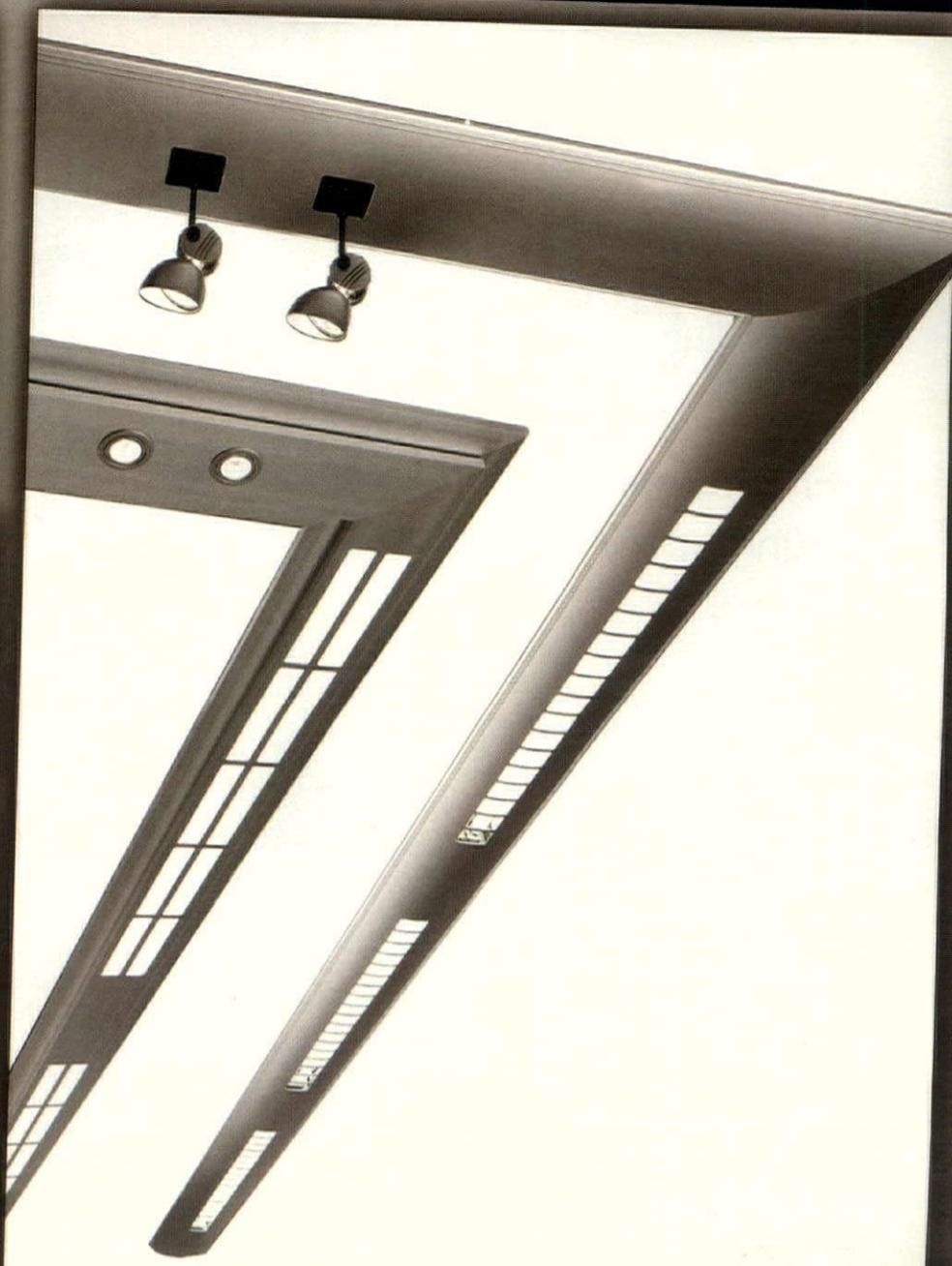
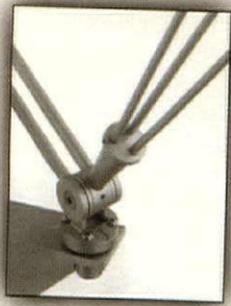
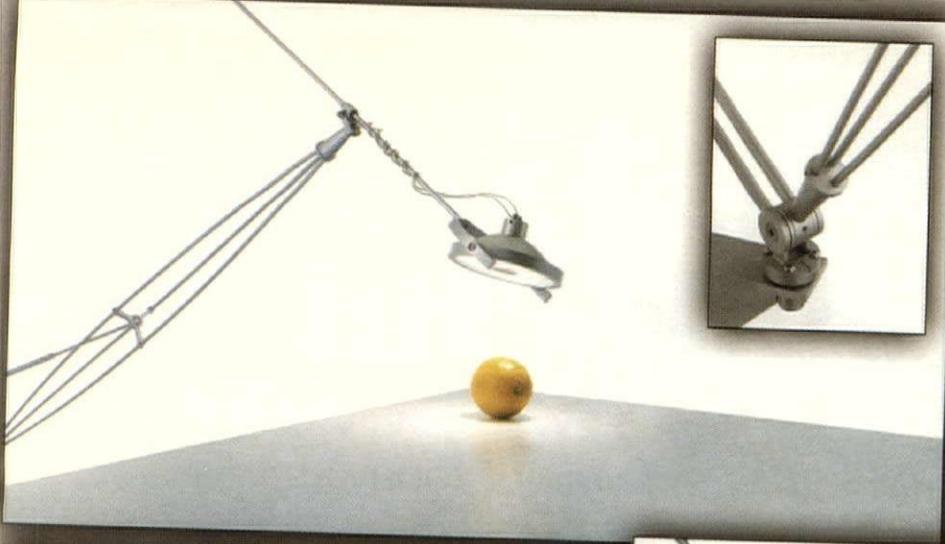
The ceiling (as seen in the photo, left) is comprised of lightweight electroluminescent panels that create an illusion of intense depth. Writes Varela, "When activated by a microprocessor in specific patterns, the layers of EL panels act to create different wavelike deformations that expand or compress the perception of the theater space." The ceiling was conceptualized to work with sunlight, which functions as a charger for the luminescent materials in the stairs and floor, designed to maximize daylight penetration in the winter while reflecting it in the summer.

The hardwood lobby floor is defined by luminescent joints and punctured with "camera obscuras" into the floor below, where the actors' dressing rooms are located; these "camera obscuras" project a reverse image of the ceiling on the floor of the dressing rooms (see drawing).

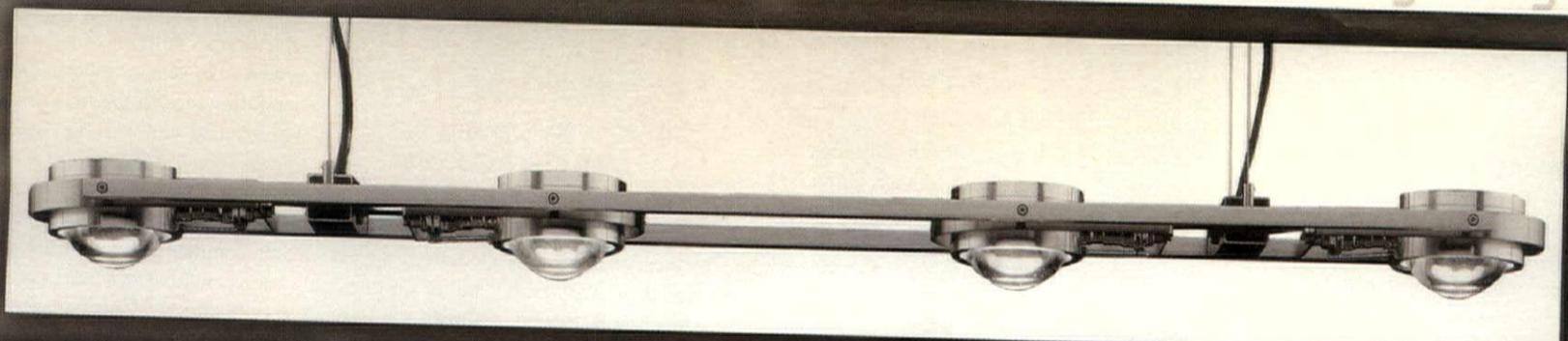


**"The intuition is ingenious: Either a new material that absorbs light to produce it, or an evanescent and imperceptible material that transforms and reveals any base it is associated with, or an almost intelligent material that already reminds me of our odometers, our countless thinking and time-saving machines—a material that is at the same time poetic. Just by using simple powder or a floppy sheet of plastic, the world of darkness is made miraculous ... tomorrow—it is my turn to play!"**

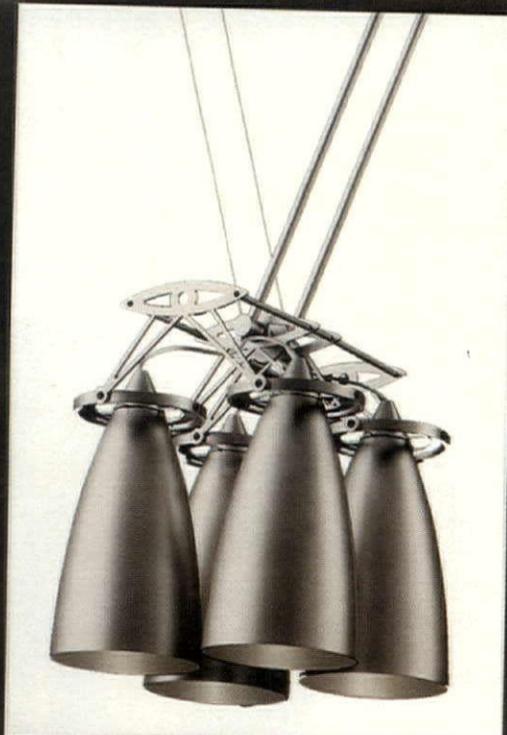
**—Patrick Devanthery and Ines Lamuniere, Devanthery & Lamuniere Architects, Switzerland**



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# Specifiers Speak Out

Architectural Lighting Magazine holds a roundtable with some of today's leading specifiers to talk about the Internet's promise, success and pitfalls

BY ALICE LIAO, ASSOCIATE EDITOR

**AL:** How are you currently using the Internet to help you professionally?



Emily Monato  
Cooley Monato Studio

**Emily Monato:** The Internet is valuable in helping us exchange ideas rapidly. We used to fax documents, sketches and poor photocopies of photos back and forth with our clients, hoping that something legible would come out on their end. Now we can send "originals" from which they can see the detail of our information and edit or print on their own.

**Matthew Tanteri:** I use the Internet daily for exchanging email, spreadsheets, AutoCAD files and sometimes catalog cuts and animations. I do animations of walk-throughs of projects with my clients—architects. For some projects, we're able to do a short animation to explain a concept that involves movement or walking through a space.

**AL:** Mostly for client communication, then.

**Tanteri:** Yes.

**Neil Jenkins:** Not so much for communication, but collaboration. We can exchange information with our clients as Matthew and Emily said, but we can share drawing files, meeting minutes and project information at common-area websites such as Buzzsaw.com—replacing file transfer protocol sites and bulletin board sites.

**AL:** What about research? In what ways are you using the Internet to find information?

**Leni Schwendinger:** We've found the Internet to be very useful in manufacturer research. We can download photometrics, print spec sheets and collect all possible information about fixtures and other equipment. We also get our feet wet with conceptual research for ideas we are testing that we don't have immediate resources for, such as international projects. For example, for Light Project's Glasgow project last year, we went online to get a sense of the city of Glasgow and its history.

**Scott Hershman:** It's especially useful to locate those hard-to-find equipment items. Let's say that you need some clip to hold a fiber-optic component in the ceiling—or something that may not be for lighting but you want to use it for lighting. Or you need information about extruded aluminum profiles. We use it for that and to get information about overseas equipment—areas where our library might be lacking.

**Jenkins:** For us, the most frequent reason for using the Internet for research is to find photometric information, catalog cut sheets, fixture accessories and installation guides from

manufacturers. We are also starting to rely on the Internet as an image library, allowing us to get context photos and design inspiration from sites such as Greatbuildings.com.

**Dennis Clough:** I also use the Internet to get smarter on what the construction industry as a whole is doing, keeping in mind that lighting is just part of a building and that buildings are built by an entire industry. What are the trends? What's going on with design/build? Those sorts of things. On another level, I use it for the work that we actually

do, as a tool to make sure that I'm smart about the relationships I'm trying to build with other companies so that we can do business.

**AL:** So you use the Internet to research the company before talking to them.

**Clough:** Right. My first stop is at their website to make sure I understand their target markets, their philosophy on the work that they do and the way they do the work. The more I understand them, the more likely we're going to be able to find mutual needs that we can help each other meet.

**Lee Waldron:** While we've found that the exchange of information is much easier with the Internet, we've had some problems with researching product data—too often, the process is time-consuming and distracting when searches using keywords lead to obscure non-lighting-related sites. And other than finding out about the construction environment at various city's news sites, we have had little success in finding projects. While great

potential abounds on the Internet, the infrastructure to make it a viable resource for the lighting industry is relatively non-existent. However, we have had great success with researching business information, such as travel and marketing directory information.

**Clough:** That's the third way we use the Internet—to run our business more efficiently, which is especially important for us because we're a small business. Things like how to hire the right people, how do you keep them, benefits, growth, payroll, cash flow, etc.

**AL:** Regarding how the Internet helps you interact with manufacturers, how has the Internet changed the way manufacturers service the lighting specifier community?

**Jenkins:** More frequently, our requests for information are being answered with website visits instead of a call to a sales representative, allowing us to make design decisions faster and write specifications more easily.

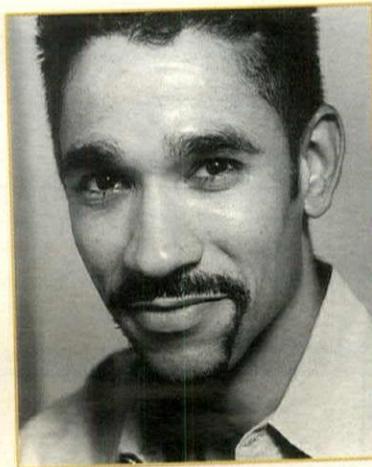
**Hershman:** We've found that the manufacturers are still doing the same thing they did before, but once in a while—more and more frequently—their reps will direct you to a website for information. Thirty to 40 percent of the time, we'll find the information there. But usually, if we're calling to get information that isn't in the catalogs, we're not going to find it on the website.

**Tanteri:** For us, the Internet enables a direct correspondence with the manufacturer to do things that would otherwise take several other hands. I can send drawings to the manufacturer to be looked at and then they don't have to pass it on to other people via photocopies and faxing, so that in the end,

they go, "What is this?" So with an original file being distributed, we get clearer communication. In the past, we had to go through a representative, whereas the Internet allows you to reach people directly. Once you start corresponding with email, you can send anything. The downside to this is that our expectations are climbing along with the speed of communication. So we might say, "You didn't get my email?" Maybe the person you're contacting didn't check their email yet and you needed and expected an answer yesterday. Somehow with email, some people assume that as soon as it leaves their computer, it's being read!

**Schwendinger:** We can get information much faster and in usable forms such as pdf files, which tend to be more legible than the faxes that we are used to getting from sales reps. However, all this good instant information has a downside—knowledgeable reps can alert us to the anomalies, such as customization possibilities—that are not in the catalogs. On the other hand, for the companies whose reps are tardy in returning calls and faxing requests, the Internet in some ways becomes a substitute. I prefer real live conversation, however, and of course, the Internet can't show you a physical sample.

**Monato:** Reps also aren't available at 10 o'clock on a Friday night. Our office still relies heavily on phone calls, office visits by the rep and product



Neil Jenkins  
Ann Kale Associates



Matthew Tanteri  
Ann Kale Associates  
(formerly with Tanteri and Associates Inc.)



JoAnne Lindsley, FIALD  
Lindsley Consultants, Inc.

(Continued on page 16)

# Fiber Optic Lighting Will Save the World!

In an interview, Ruth Ellen Miller tells why this cutting edge technology is the lighting industry's future. Magna Cum Laude business graduate with a post graduate teaching credential in Art and Design, Ruth Ellen is co-founder and president of NoUVIR Research in Seaford, Delaware. NoUVIR is the leading manufacturer of fiber optic lighting systems for museums and historical buildings. Ruth Ellen was Delaware's Small Business Person of the Year for 2000 and featured on the PBS educational television show Small Business School. NoUVIR was one of Industrial Week Magazine's top 25 growth manufacturers in the nation for 2000.

- Matthew Scott



MS: A lot of companies claim the title, "leader." How is NoUVIR the leader in fiber optic lighting?

REM: We light whole floors in major museums. We light major historical buildings. With 17 broad coverage U.S. patents, we

are way out in front of the industry. Another company may be the leader in colored lights or swimming pools, but NoUVIR's the leader in fiber optic illumination. We light things. We're replacing conventional lighting.

But the real proof is that NoUVIR's changing the world! We are teaching people what light is. We are slashing photochemical damage. And, we're showing people how to save lots of energy and lots of money. We're changing the industry, that's real leadership!

MS: You've gone from "leader" to "changing the world". Can you back that up?

REM: You bet! People are beginning to talk about lighting in the terms NoUVIR created. "Presentation" was a gourmet cooking term. We made presentation a lighting term. Bad lighting makes things look ugly. I hate that. NoUVIR's pure-white light has perfect color rendition and balance. That means great presentation.

"Preservation," protecting objects from damage, was a term unused in lighting until we eliminated ultraviolet (UV) and infrared (IR) in our lighting. Notice, I didn't say reduced. We eliminated them. No UV. No IR. NoUVIR, the company name. By the way the new I.E.S. standards specify zero UV and IR for museum lighting. The world is changing.

And, "conservation" meant giving up something. Now it's a benefit of superior lighting. How much energy do you save when you replace 32 lights with one fiber optic projector? Place that projector outside the air-conditioning space and you'll quadruple those savings. Now do it 10 or 100 times. Factor in the bulbs and materials and a 3 to 5 to 100 times increase in the life of what you are lighting. I think that you can see how NoUVIR is changing the world.

MS: But a lot of people see fiber optic lighting as "toy lighting"-swimming pools, star fields, Christmas trees and effects. Is it?

REM: Not at NoUVIR. Our systems light Thomas Jefferson's handwritten draft of the Declaration of Independence; the Inverted Jenny Stamps, the most expensive stamps in the world, and Dorothy's ruby slippers from the *Wizard of Oz*. We lit Marilyn Monroe's white dress from the *Seven Year Itch*. We lit the Tiffany Diamond Collection, the most valuable gem collection exhibit in the world. Nice toys! NoUVIR customers would probably take offense at that term.

MS: Last year, David Houghton wrote an article for this magazine on the status of fiber optic lighting. His conclusion seemed to be that fiber optic lighting wasn't yet a viable option for most applications. Your response to the editor was a little fiery. Why?

REM: David quoted Karl Haas saying, "Vendors can wiggle a piece of fiber and make

it change colors, but can they deliver footcandles to the work surface?" I got upset because that is exactly what NoUVIR does. We deliver footcandles to the work surface. We publish photometry to prove it. We can provide anything from surgical lighting levels to museum conservation levels of fractions of footcandles in pure white, visible light.

MS: You mentioned photometry. Other companies use that term. What do you mean?

REM: Photometry is the measure of the intensity of light at various distances. We have always provided real measured data for our products. It's in our catalog. It's a tool for architects, lighting designers and customers who want to know exact performance information. I don't actually care much about measuring light in a lab. I care about being able to light an object, a painting, a wall, or Karl's work surface. I care about performance; things like "beautiful," "clean," "simple," and "efficient."

MS: Describe the NoUVIR catalog.

REM: Our current catalog is 120 pages. Of that, about half is product description; projectors, 50 different luminaires (the optics that mount on the fiber ends), historic period fixtures, fiber optic tracks and bannister systems. The rest is basic lighting design, particularly fiber optic and exhibit design, photometry and examples and suggested applications. We design our

products to meet specific lighting needs. We designed our catalog with the same care, to present solutions for real lighting needs.

MS: So the catalog is part textbook?

REM: Absolutely, you can do effective fiber optic lighting design with no tools other than our catalog. I've got customers doing it. I've even got customers doing it on

a consulting basis for clients.

MS: How hard is it to actually install a system?

REM: It's easy. You cut the acrylic fiber to length and polish each end. It takes about two minutes using a simple nail buff. Then just pick a luminaire, insert the fiber, aim, focus and tighten the collars so it doesn't move. You can even light as you go.

MS: Earlier you talked about preservation and photochemical damage. NoUVIR has No UV and no IR. Why is this important?

REM: Most people know UV causes photochemical damage. What they often don't know is any photon that isn't reflected causes damage. That includes infrared (IR) photons! Fluorescent lamps are about 8% UV and 70% IR. Filament lamps run only 1% UV, but they are 94% IR. First that 78% or 95% UV and IR is all wasted energy. It doesn't help you see. Second,

it damages whatever it hits. Third, whatever heat you introduce with lighting you usually have to air condition out. The energy costs of inefficient lighting are severe. NoUVIR lighting avoids all that. You might think that this is only important to museums, but I've seen carpet fade 20% over five years in an inside hallway. Try factoring carpet or furniture replacement into your lighting costs and you'll find out how cheap those cheap track-lights are.

MS: So, your goal is to save the world?

REM: Well, I'll start with the art world. I want to protect our art and our heritage from the photochemical damage of bad lighting. And, I want to teach the rest of the world more efficient ways to light. Fiber optic lighting works. It's efficient beyond belief. It provides control of focus, color and intensity that's impossible with any other lighting. At NoUVIR, we are changing the world; one building, one display, one object at a time.



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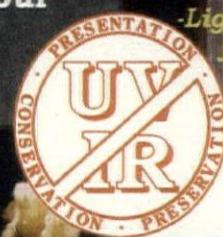
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(Continued from page 14)

samples shipped to our office. We're very hands-on and like to tinker with the actual product, which leads to questions that no literature could fully answer. But if we need pictures, drawings and literature fast, we know we can get it at any time.

**JoAnne Lindsley:** While the level of access is useful, the current offerings from the manufacturing community have been somewhat disappointing because there seems to be a lack of a common format. The Internet seems to be used more as a sales tool than an information source for specifiers. I am not interested in being "sold"—I want to find specific information quickly.



Leni Schwendinger  
Leni Schwendinger Light  
Projects Ltd.

information on foreign products within easy reach. We don't do a lot of work overseas but when we do, there's this tremendous learning curve starting with such simple information as, "Who makes downlights in this part of the world?"

**Schwendinger:** We go through the usual Internet suspects: Lighting.com, Lightsearch.com, Lightforum.com, LightingResource.com and Lighting Linx. For news and leads, I get the designarchitecture.com newsletter and check out Death by Architecture. For other research, I use the Leo Line (NY Public Library). For news of colleagues, employment and standards, I use the IESNA and IALD sites.

**AL:** Can you give us an example of this?

**Lindsley:** I went to the sites of the three major lamp companies through Lightsearch.com. For me, Osram Sylvania was the most helpful and efficient. I was able to view a simple list of available information paths so I could immediately go to "General Lighting Products Catalog" and bypass all the other stuff. Philips leads with featured products, events, etc.—the choice of product info is in small print at the bottom of the home page. GE forces a decision about home versus office and then launches into application advice.

**Waldron:** With the Internet, however, once the individual sites are figured out, the specifier can be immediately updated, rather than having to wait for a catalog. There is a huge potential there. I access those websites in which I can get to the product information quickly and easily, download it and compare it to competitive products in order to evaluate which option offers the most appropriate solution.

**AL:** What websites do you find to be the most valuable to you?

**Waldron:** There are few I visit on a regular basis. The lighting industry needs to work more closely together to establish a community that will draw specifiers to it, such as Yahoo and AOL have done.

**Hershman:** We have a "favorites list" of websites from manufacturers whose literature we traditionally maintain in our library. We also access sites that give us government information on electrical current abroad, measurements, glossaries, rental and flight information, shipping information, FedEx, UPS.

**Monato:** We do not use any one site regularly since our needs are always application-specific. Lighting.com does have some useful links to manufacturers and organizations. What I'd be most interested in would be a site that brings

**Lindsley:** Of course, I refer to IALD.org regularly (due to my role in that organization) and use Lightsearch.com regularly. Other sites that I use regularly are not lighting-specific.

**AL:** If you could command the manufacturing community to do three things to ensure that the Internet helped you professionally, what would they be?

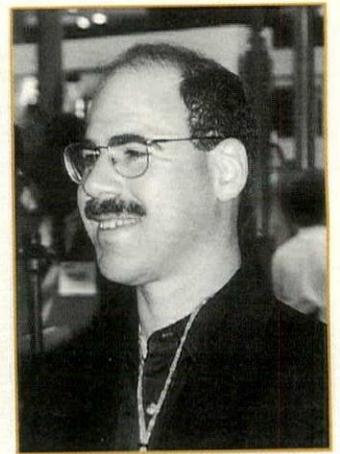
**Waldron:** The lighting manufacturers would best service themselves—as the automotive and airline industries have done—by initiating and developing a common Internet exchange protocol so that all technical product information is presented in a consistent manner among manufacturers. Specifically, each website should include easily identifiable product specification and performance information along with posted fair retail pricing to allow specifiers some control in establishing probable construction costs. To distinguish themselves, a company's supplemental information—such as product photos, application photos, etc.—should be offered in a distinctive yet non-obtrusive manner. In addition, manufacturers should allow specifiers access to that portion of their intranet where the specifier could, along with the reps, track equipment orders for specific projects from product order placement to shipment.

**Tanteri:** The things I need from a manufacturer—that I usually go through a rep for—are pricing, lead time and information such as photometrics and drawings. So if I can get those things on the Internet or somewhere else, keep track of them, I would use it. I don't want to leave the rep out of it, however, because if it's a good rep, he or she will give some accountability to all of this.

Maybe the manufacturer could say, "All of the information here will be supported by the rep."

**Lindsley:** I would command the manufacturers to keep it simple and start with the premise that the website is an information source, not a sales tool. Other than that, it would be helpful to have the ability to switch from "graphic mode" to "text mode" so we don't have to wait for images to download if we are not interested in them.

**Monato:** Manufacturers should design clear, uncluttered websites for easy and quick information access; provide easy search options that include not only a product name but a partial or general description of the type of products we are looking for; and provide an instant response option where the specifier could get up-to-date pricing, lead time and available stock quantities on a particular item.

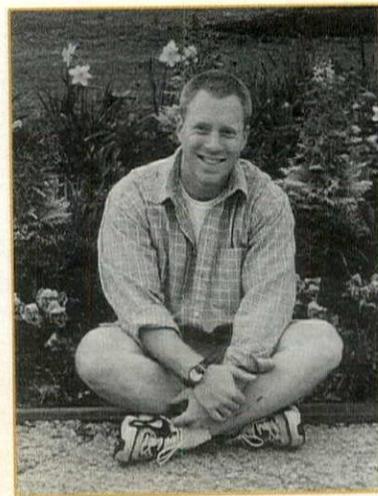


Scott Hershman, IALD  
Fisher Marantz Stone

**Schwendinger:** It would also be helpful if manufacturers would provide photometrics for every source and label the IES file clearly. They should carry pdf files of their catalogs online and give us direct phone numbers to their technical/engineering departments.

**Hershman:** The first thing that I'd like is images. For example, if it's a recessed downlight, then what I'd like to see is a good line drawing of the fixture. If it's a decorative fixture, then I'd like that photographic-quality image and then the end result is that I could take this image and forward it to my client. I don't even want to send my client to the website—that's too much work. I want to copy it, paste it in an email and send it to my client. Other than that, the hardest thing is finding something when you get to a manufacturer's website. I'd like some sort of convenient, understandable structure where I can look for something specifically. Let's say if I want to look at decorative fixtures and I know I want a certain sconce that's ADA-compliant, I want to be able to immediately look at a lot of images without having to click on file names and see what comes up—like thumbnails. Finally, I'd like a fast response to emails—like that day. The Internet, after all, is about immediacy.

**Lindsley:** Overall, I'd say to any website, "Fulfill the promise of the Internet." Information that is easily accessible is increasingly important in a fast-paced business climate. The prevalence of voicemail makes it hard to reach a real person on the phone now, so I go to the Internet first and the phone as a last resort.



Dennis Clough  
(formerly with Gary Gordon LLC)



Lee Waldron, FIALD  
Grenald Waldron Associates

www.lightforum.com

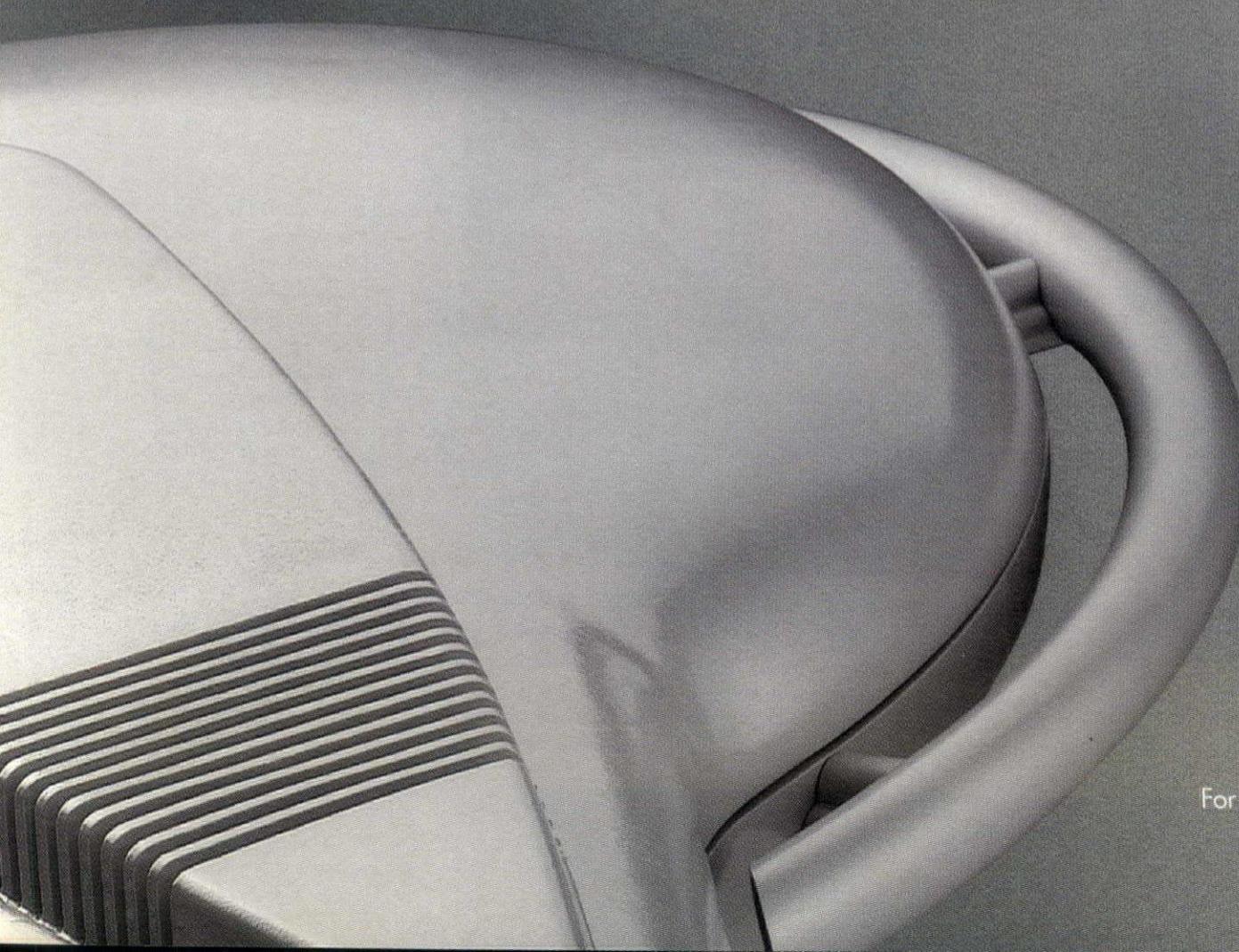
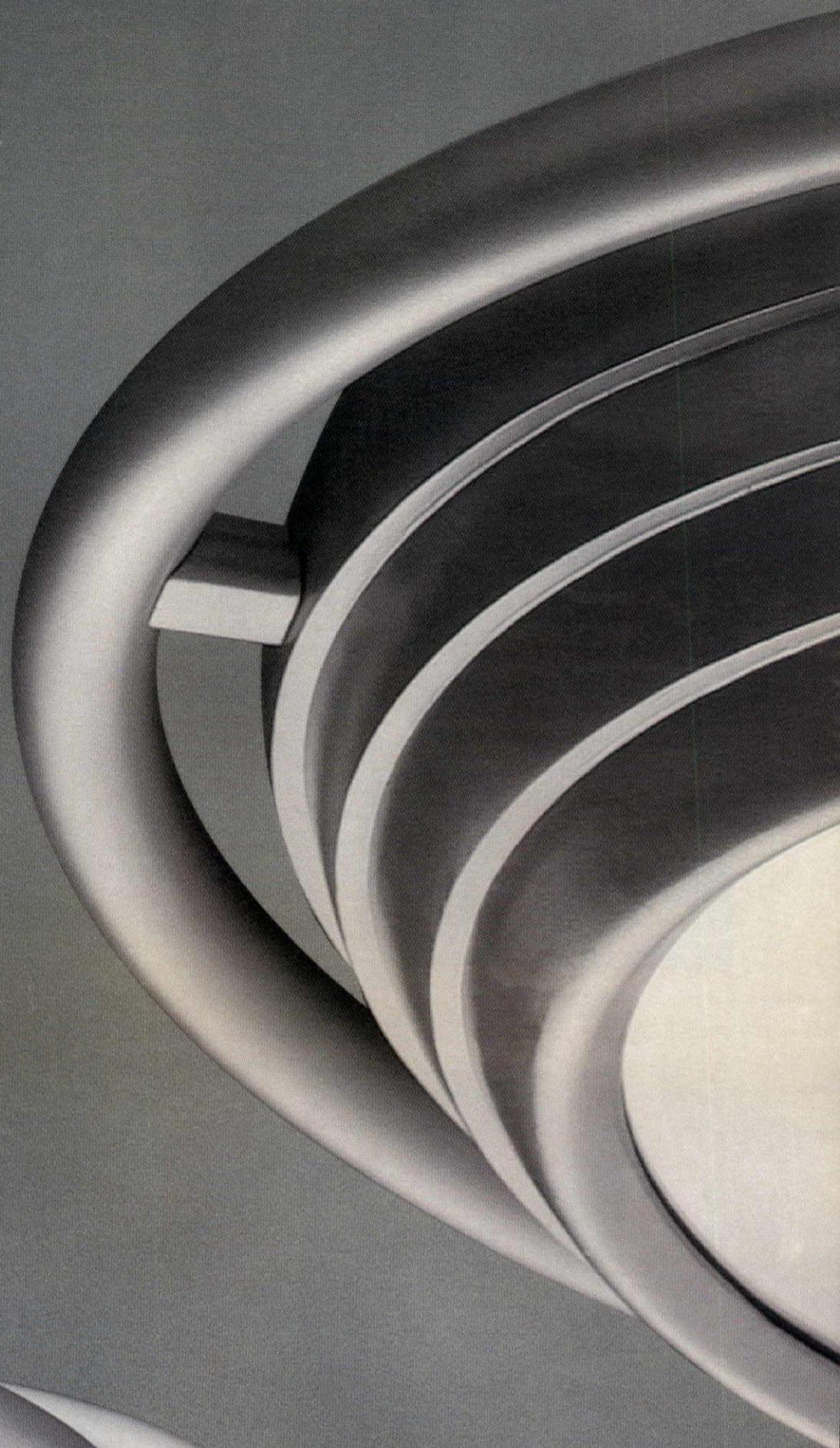


# Circa

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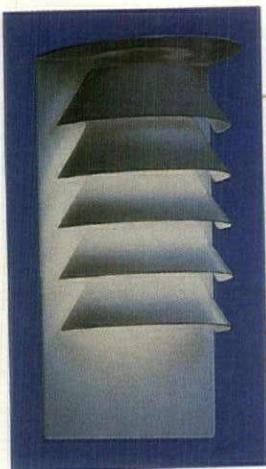
Descending from above to  
forever change the world of  
site lighting. An inspired design.

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

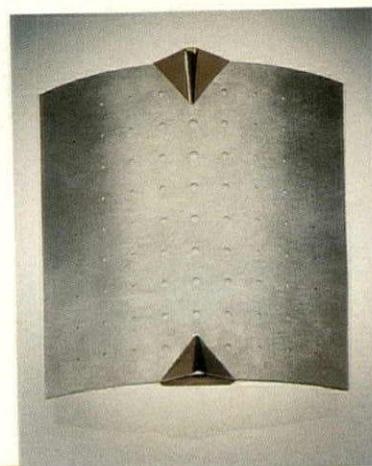


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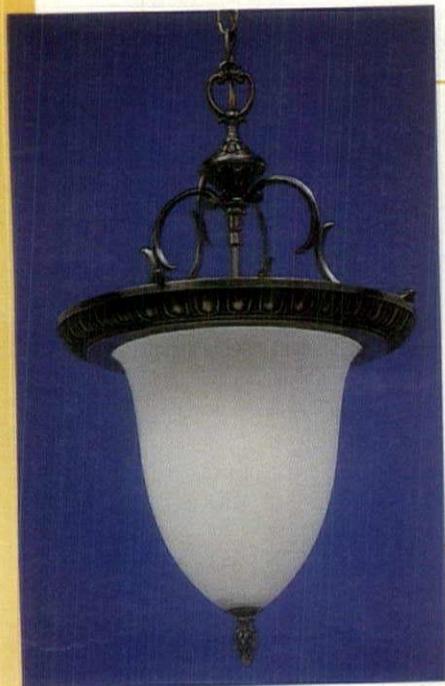
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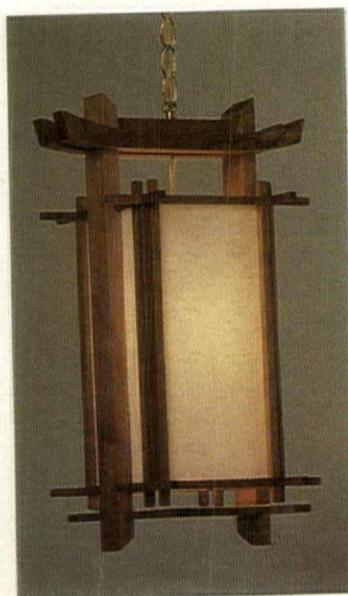
Scala from **Luxo** features five stacked semi-circular lightweight metal louvers finished in chip-resistant, matte white, polyester powder coat. The slim faceplate is also lightweight metal finished similarly. Illumination is provided by an 18W U-shaped compact fluorescent lamp with instant ballasting. C/UL listed. **Circle No. 85**



The Arrowhead sconce from **Nessen Lighting** measures 10<sup>1</sup>/<sub>4</sub> in. long, 9<sup>1</sup>/<sub>2</sub> in. wide and is less than 4 in. deep. Two decorative solid brass arrowhead-shaped accents punctuate the top and bottom of the perforated faceplate. The sconce mounts to a standard outlet box and uses a single 4-pin, 26W triple-tube compact fluorescent lamp. The faceplate may be specified in "angel hair" or clear anodized aluminum, ebony satin steel or titanium finishes. Accents are offered in various finishes. **Circle No. 86**



**Norwell Mfg.**'s Model 6161 is a Roselare Family pendant that features a cast ring finished in pewter brass. The ring holds the Vianne glass diffuser and is available in Flemish finish as well. The fixture measures 14<sup>1</sup>/<sub>4</sub> in. wide, 24 in. high and with chain, extends 42 in. Illumination is provided by a 150W (max.) Edison-socket incandescent lamp. A two-light version is also available. **Circle No. 87**

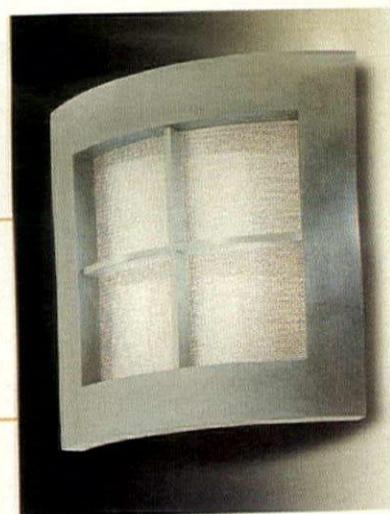


From **Cherry Tree Design**, the L11 Kyoto pendant echoes Japanese architecture with its flared lines and interlocking joinery. The 13-x-10-x-20-in. fixture uses one 150W incandescent lamp and is available in solid cherry with Ocean Mist paper (shown) as well as walnut and maple. A variety of diffuser options is also offered. **Circle No. 88**

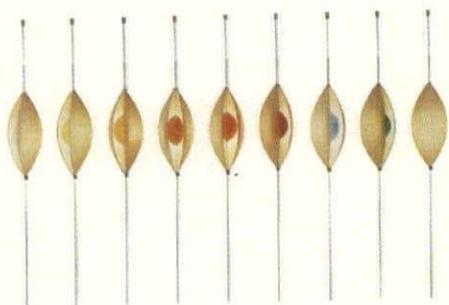


**TSAO Design's** G-7 Collection of three wall sconces is characterized by half cylinders of molded sand-etched white glass. Units project 4 in. from the wall and are ADA-compliant. Brushed stainless-steel bands wrap around the center of the sconce and attach to the glass at each end with matching cylindrical metal screws. The 7<sup>1</sup>/<sub>2</sub>-in.-wide sconces are offered in 12-, 15- and 18-in. heights. Lamping options include two 40W T10 incandescent or two 13W PL-type U-shaped compact fluorescent sources. **Circle No. 90**

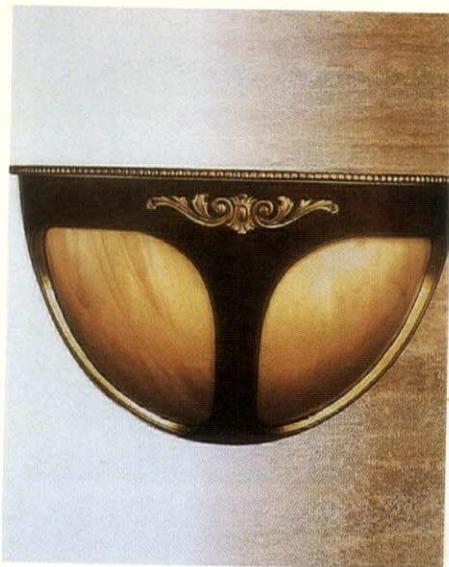
The Element Series S5510 is one of many specification-grade sconces offered by **Davis/Muller Lighting**. This ADA-compliant sconce can be specified with a perforated (shown), frosted glass or white acrylic diffuser. Matching pendants and surface-mount fixtures are available. **Circle No. 89**



Designed by Adam D. Tihany for **Sirmos**, the Amp-Rex pendant sports a canopy and body core formed of CyTron translucent resin and suspended by a trio of brushed nickel rods. The fixture has a 32-in. diameter, 12<sup>1</sup>/<sub>2</sub>-in. depth and a 24-in. drop. Providing both direct and indirect lighting, the fixture is lamped with a 60W Edison-type, medium-base incandescent source. A selection of finishes is offered, including onyx-whitehaze (shown). **Circle No. 91**



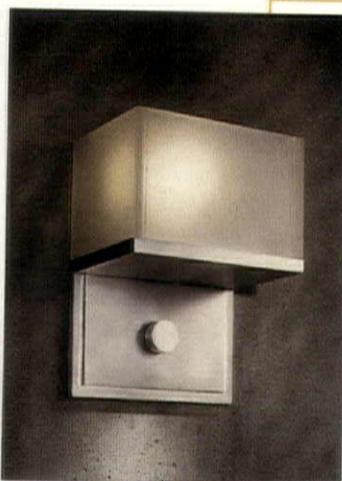
**Aqua Creations'** Soof is the first design of Ayala Serfaty's Feticci Collection. The fixture features a large cocoon-shaped felt shade beaded onto a linear steel stand. The shade can attach to any point along the steel rod, which shortens, elongates and bends. Measuring 8<sup>1</sup>/<sub>2</sub> in. in diameter, Soof is available as a wall sconce, ceiling fixture and floor and table lamp in various colors. Fixtures use one 75W halogen or compact fluorescent lamp. **Circle No. 92**



R. Jesse & Co.'s LS-20 sconce measures 17½ in. wide, 10¼ in. high and 7½ in. deep. Available veneers are birds-eye maple, caphian elm, mahogany and custom combinations of woods. Glass shades are caramel, white or bulls-eye with scroll design and beaded trim offered in 22k yellow gold, 22k moon gold or 14k white gold. Maximum wattage is 60W; a compact fluorescent version using PL13 lamps is also available. **Circle No. 93**

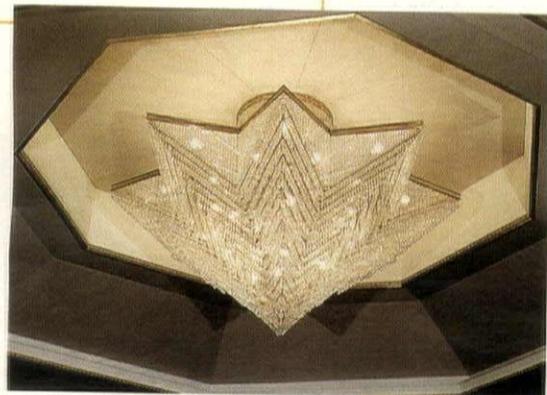


Progress Lighting's Versailles Collection is characterized by ivory candle caps, pleated fabric shades, crystal bobeches and ball and a beaded chain. Available finishes are burnished brass with gold accents and colonial silver with golden baroque accents. The collection includes nine-, five- and three-light chandeliers, a 15-light foyer fixture, a two-light wall sconce and bath and vanity fixtures. **Circle No. 94**

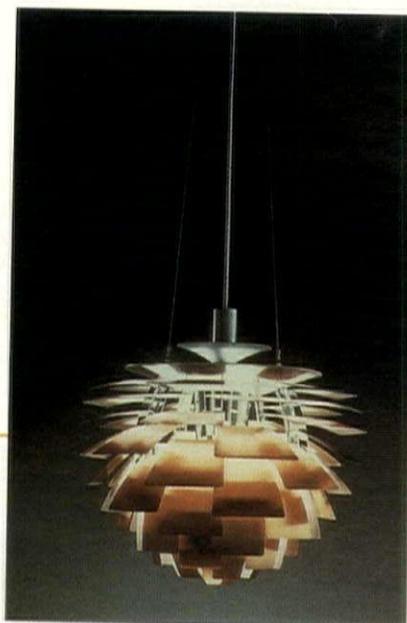


Niedhardt Inc.'s Grid sconce measures 6 in. wide, 8 in. high and projects 4 in. from the wall. The sanded aluminum base supports a frosted acrylic shade and is accented by a decorative knob. Illumination is provided by 60W minimum candleabra light source. Grid is ADA-compliant and UL-listed. **Circle No. 95**

From Starfire Lighting, Strass Crystal Star custom chandeliers are characterized by a three-dimensional, eight-pointed brass star structure, brass canopy and Strass cut-crystal chains. The star-shaped frame is constructed from polished brass. Other finishes may be specified. Faceted Strass crystals are affixed to the polished brass chains that decorate the canopy and frame. Fixtures typically measure 8 ft. in diameter. **Circle No. 96**



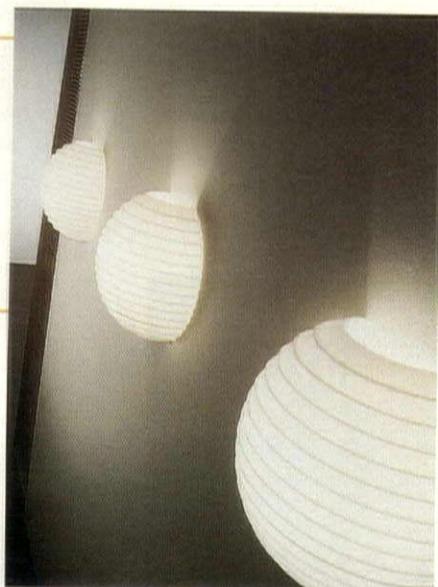
Designed by Poul Henningsen, Louis Poulsen's "signature" PH Artichoke is a 360-degree arrangement of overlapping reflecting panels fabricated from heavy-gauge pure copper. The underside of the panels is lacquer-coated matte white. Vertical chromated steel struts terminating in a mirrored baffle support the panels. A chrome-plated, mirror-image collar conceals the electrical assembly. Artichoke accepts one 500W (max.) incandescent or one 400W (max.) metal halide lamp. A white stainless-steel version is also available. **Circle No. 97**



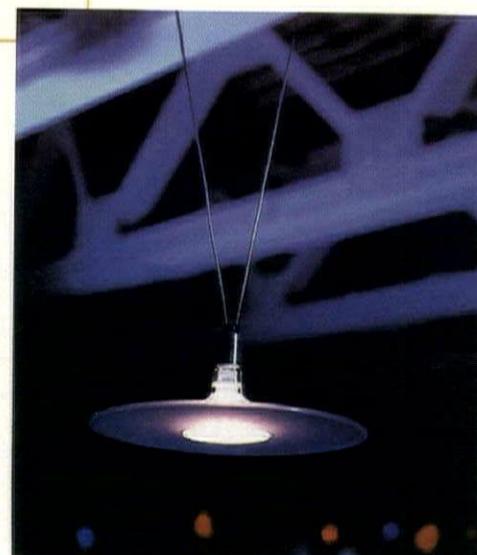
The Belmont sconce designed by Barbara Barry for Boyd Lighting counterbalances a delicate white pongee silk shade with a ¼-in.-thick solid brass plate finished in a combination of polished and stained brass or nickel. Belmont is available with incandescent lamping only. **Circle No. 98**



Leucos' Modulo wall sconce sports white blown glass with crystal accent edges and metal structure in a painted titanium finish. Diffusers measure 13 in. high and 13¾ in. wide with a projection of 6¾ in. Lamping options include 100W incandescent, 150W halogen and two 26W fluorescent sources. **Circle No. 99**



Häfele's Satellite low-voltage halogen pendant is 6 in. in diameter and features a disk of clear glass. It is lit with a 50W quartz halogen lamp and suspended by a 6-ft. light gray cable, which can be cut to a desired length. **Circle No. 100**



Designed by Andrée Putnam, Baldinger's Compas dans l'Oeil table and floor lamps provide soft reading and ambient light through a lined, perforated metal shade. A brass knurled adjustment knob allows direction of light. The stem and base are finished in satin nickel and the compass-inspired adjustment is available in satin brass and satin nickel finishes. The fixture contains a compartment to hold pen and paper. **Circle No. 101**

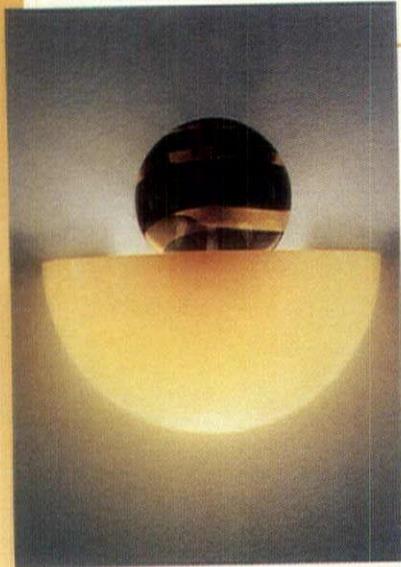
Winner of a 2000 Gold Adex award, **Derek Marshall Lighting's** Iron Ginkgo wall sconce combines wrought iron and a kiln-formed shade of white opal glass. The sconce measures 10 x 12 x 4 in., is ADA-compliant and uses one 100W incandescent, halogen or compact fluorescent lamp. Iron Ginkgo is also available with gold leaf detailing. UL-listed. **Circle No. 102**



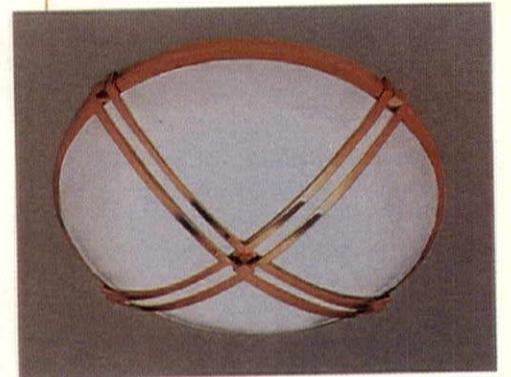
**Cherry Tree Design's** Malacca sconce is offered in walnut, cherry, maple or black lacquer and a range of shade options. The larger model, L9 Malacca sconce, measures 11 in. wide, 6 in. deep and 16 in. high and uses one 100W incandescent lamp. The 6 1/2-x-3 1/2-x-11-in. L9S sconce (shown) accepts one 60W incandescent lamp and is ADA-compliant. **Circle No. 103**



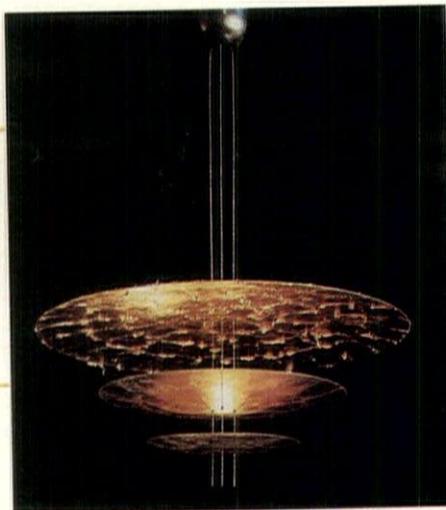
**Venini's** Abaco wall sconce is part of a series of fixtures that are all punctuated by a round sphere reminiscent of an abacus bead. On the sconce, a banded glass sphere balances above a hand-blown quarter sphere. The 15 1/4-x-8 1/6-x-13 1/6-in. sconce uses three 60W incandescent lamps and is available in milk white/gray or amber yellow/sulfur yellow (shown). **Circle No. 104**



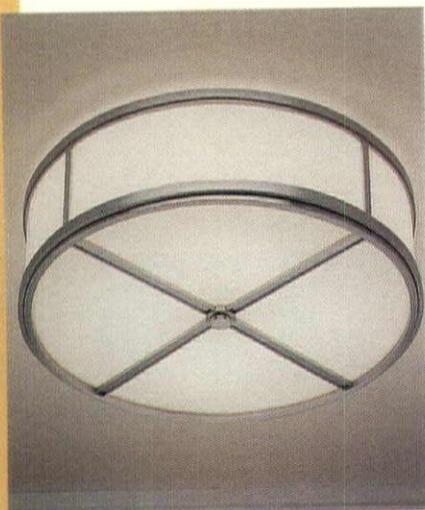
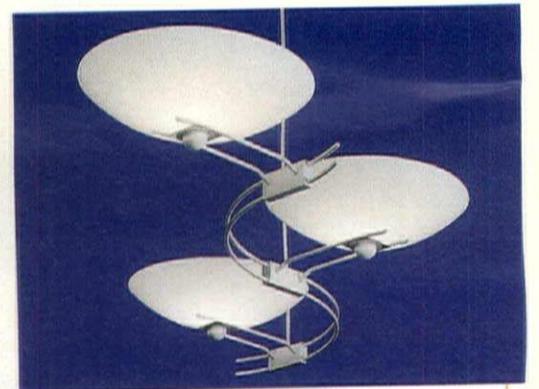
Named for Greek gods, **Nessen Lighting's** Helios, Paradigm and Compass ceiling and wall fixtures share a large-scale "button" design and provide ambient lighting using one 28W or 38W 2D compact fluorescent lamp. Paradigm (shown) features a narrow brass trim ring and brass strips that divide a sandblasted acrylic shade into quarters. An ADA-compliant, 16-in.-diameter model protrudes 4 in. from mounting surfaces. A larger version with a 23-in. diameter protrudes 6 in. from mounting surfaces. C/UL-listed. **Circle No. 105**



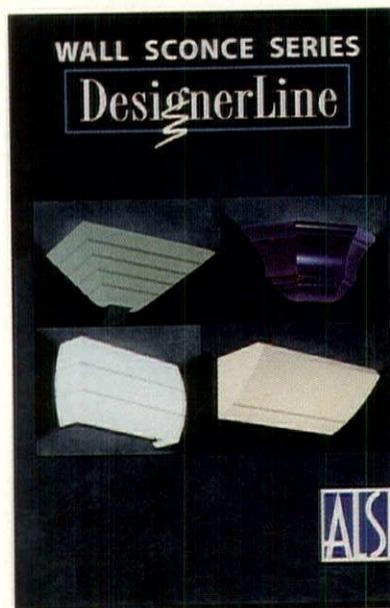
From **Catellani & Smith**, Light Machine System pendants are available in a variety of shapes and sizes. Constructed of iron and aluminum, the pendants sport diffuser disks lined with gold or silver leaf and suspended by brass or nickel rods. On Light Machine System Model C (shown), the diffuser disks measure 48 in., 32 in. and 20 in. Illumination is provided by halogen lamps. **Circle No. 106**



**Advent** introduces the LX series, a large-scale chandelier system in four designs: round, round with center bowl, oval and "wave." The LX system offers a choice of opal, metal and bell-shaped bowls in a range of metal, textured and painted finishes. The frame consists of steel tubing with cast-aluminum LX connectors. Incandescent, fluorescent and metal halide versions are available. **Circle No. 107**



Designed by Barbara Barry for **Boyd Lighting**, Palos Verdes fixtures feature a slender drum shape formed of hand-rolled, custom-designed aluminum rings. The pendant is supported by four rods symmetrically placed and suspended from a satin ceiling canopy with a matching outer ring. Palos Verdes is available with incandescent or fluorescent lighting. Finish is satin aluminum. **Circle No. 108**



Fixtures in **Architectural Lighting Systems' Designerline** Wall Sconce Series feature durable extruded aluminum exteriors, range in styles and sizes and include ADA-compliant configurations. A complete line of coordinated products is also available including pendants, valances and patient bedlights. **Circle No. 109**

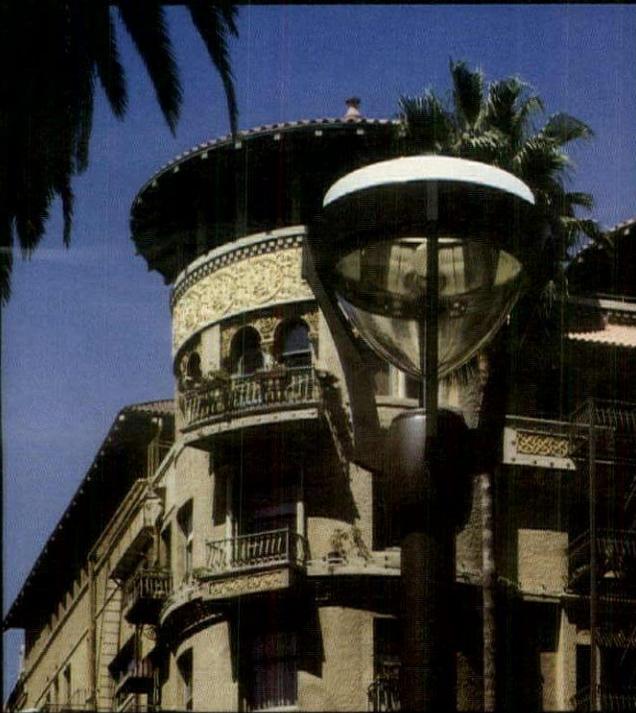
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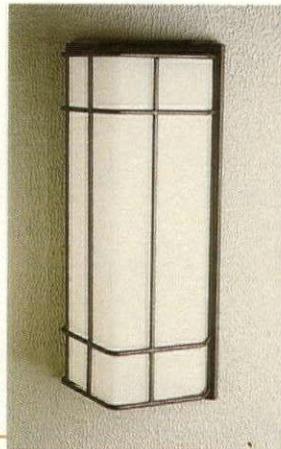
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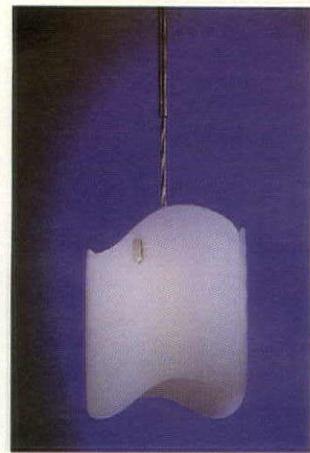
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With five styles and shapes that include square, rectangular, diamond and cylindrical, **Ultralights'** Cygnet Collection of sconces offers a range of customization options. The line also features eight designs, including filigree, flower petals and geometric patterns. A choice of 24 custom finishes is offered, including patinas that are etched into the metal for a distressed oxidized finish. Solid finishes are powder-coated and baked on. The collection offers a total of 960 possibilities for combining design, style and finish. **Circle No. 110**



Offered in 16-in.- and 21-in.-high versions, the V-shaped Thor from **Eclipse Lighting's** Galileo series is available with Perfex perforated brightness control panels, uplight/downlight, square guard bars and a selection of polyester powder-coat painted and metallic plated finishes for monochromatic or two-tone color designs. Other features include full gasketing and tamperproof screws. Lamping options are compact fluorescent lamps in twin-tube variations up to 55W each, incandescent to 100W each, HID metal halide and HPS lamps to 100W. **Circle No. 111**



From **Ilex Lighting**, Model 9234 is a pendant equipped with an opal glass diffuser and suspended on a brushed nickel stem. The diffuser is 7½ in. wide and the fixture can extend 28 to 39 in. Lamping is one 150W Edison-socket incandescent. **Circle No. 112**

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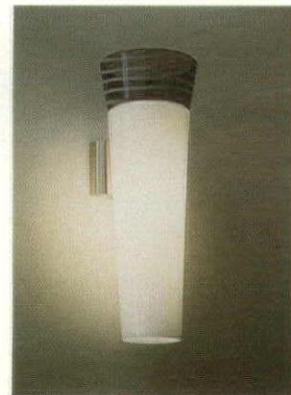
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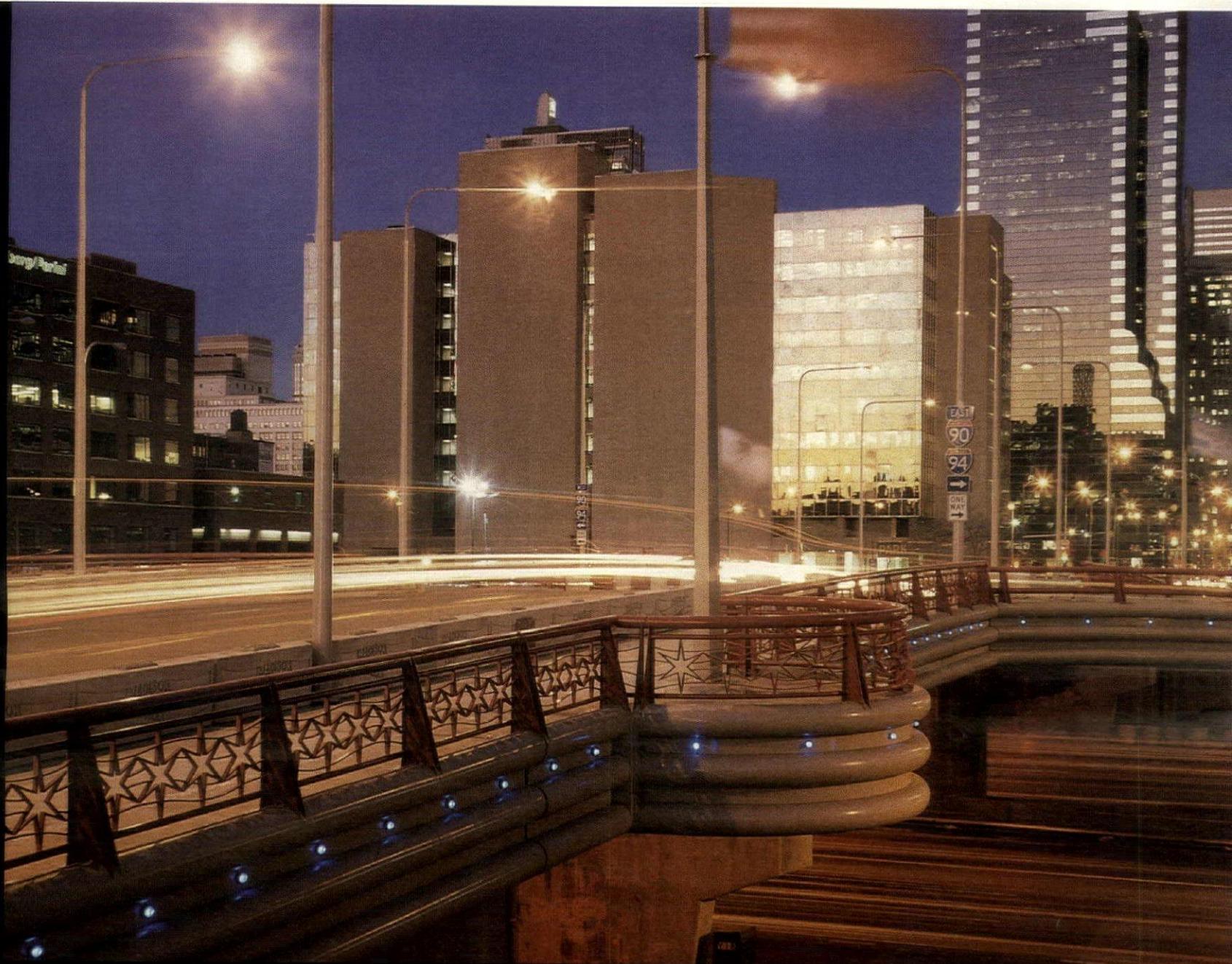
From **Venini**, the Konja sconce measures 7½ x 9 x 20 in. and is illuminated with a 150W medium-base incandescent. The milk white glass cylinder is accented with either a red raspberry or blue/gray sapphire (shown) section. Designed by Oriano Favaretto, the Konja family also includes pendants and portable fixtures. **Circle No. 113**



Designed by Ayala Serfaty for **Aqua Creations**, the anemone-like Morning Glory floor lamp is composed of silk fastened to a metal frame, forming a long tube pinched and flared at the summit. Soft ridges run the length of its 82-in. height. Girth is 39½ in. Morning Glory is offered in cream, yellow, orange, rust and red and is available with a fixed base. **Circle No. 114**

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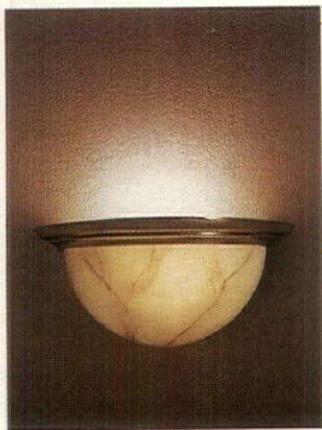
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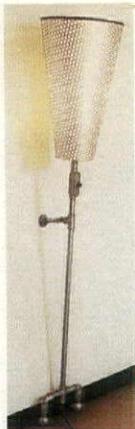
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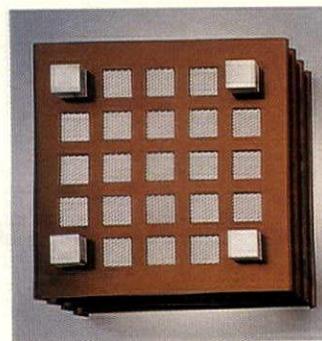
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Starfire Lighting's Select Standards Quarter-Sphere Wall Sconces come in three designs: Basic, Trim and Decorative. Each is offered in a selection of translucent or opaque dome options and variety of standard as well as hand-painted finishes. Quarter-sphere diffuser housings range from 10 in. to 18 in. wide and 6 in. to 9 in. in height. Depths vary from 4 in. to 9 in. Lamping includes medium-base incandescent or single-, twin- and quad-tube U-shaped compact fluorescent sources. **Circle No. 115**



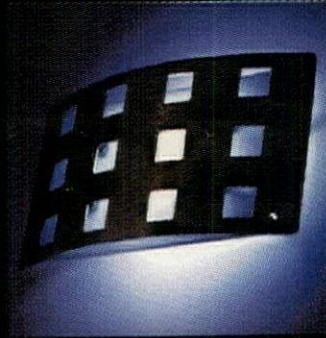
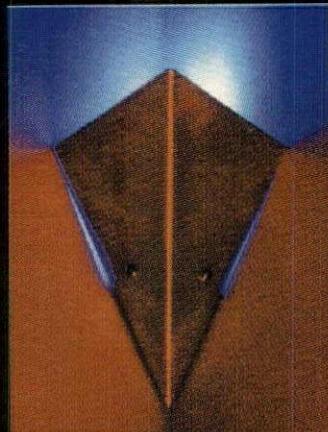
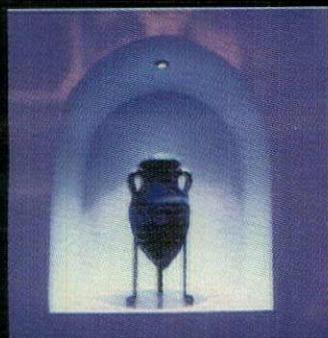
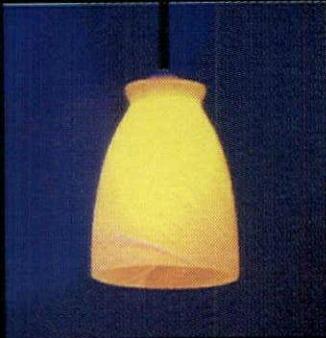
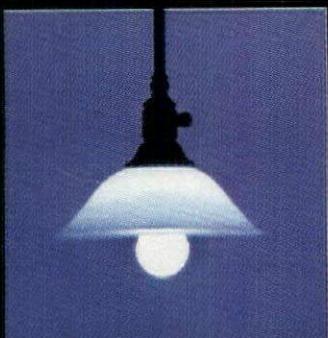
The Leaning Torchiere from Fabulux is supported by a small plate fastened to the wall and can accept up to a 300W standard incandescent or 250W halogen lamp. An internal diffuser with perforations provides direct light, while indirect illumination is provided through the opening at the top. The cone is natural aluminum. Standard is a steel-painted, silver gray powder coat. **Circle No. 116**



From d'ac Lighting, Radio Days is composed of four 9-in. square faceplates sandwiched together and secured by four raised corner blocks. The 21 apertures arranged in a grid pattern are backed by non-yellowing acrylic inserts. Projection is 4 in. from the wall. Faceplates may be specified in distressed or stippled stainless steel, "angel hair" or clear anodized aluminum or a range of chip- and fade-resistant baked enamel finishes as well as the company's Architectural Stainless Steel finishes. **Circle No. 117**

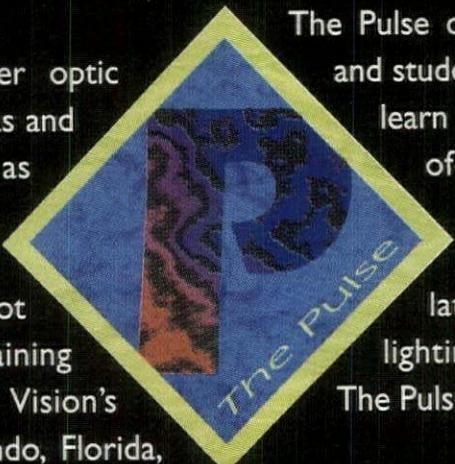


Designed by Jasper Morrison for Flos USA, the Glo-Ball collection includes pendants and table and floor lamps that produce soft, diffused illumination. Formed of opal white blown glass, the diffuser is available in a 17<sup>7</sup>/<sub>10</sub>-in. elongated globe shape and a 12<sup>9</sup>/<sub>10</sub>-in. ball. However, the tall floor lamp and pendant (shown) use only the larger of the two sizes. Stems are made of tubular steel with a silver finish. **Circle No. 118**



From Leucos, Vittoria is a pendant formed of satin blown glass suspended on a nickel-plated brushed or chrome-polished metal frame. The 6-x-13<sup>1</sup>/<sub>4</sub>-x-4<sup>1</sup>/<sub>4</sub>-in. shade is available in white, amber, blue, red and green Nile. Vittoria is designed by architects Tose-Mossari & Associates and uses one 200W halogen lamp. **Circle No. 119**

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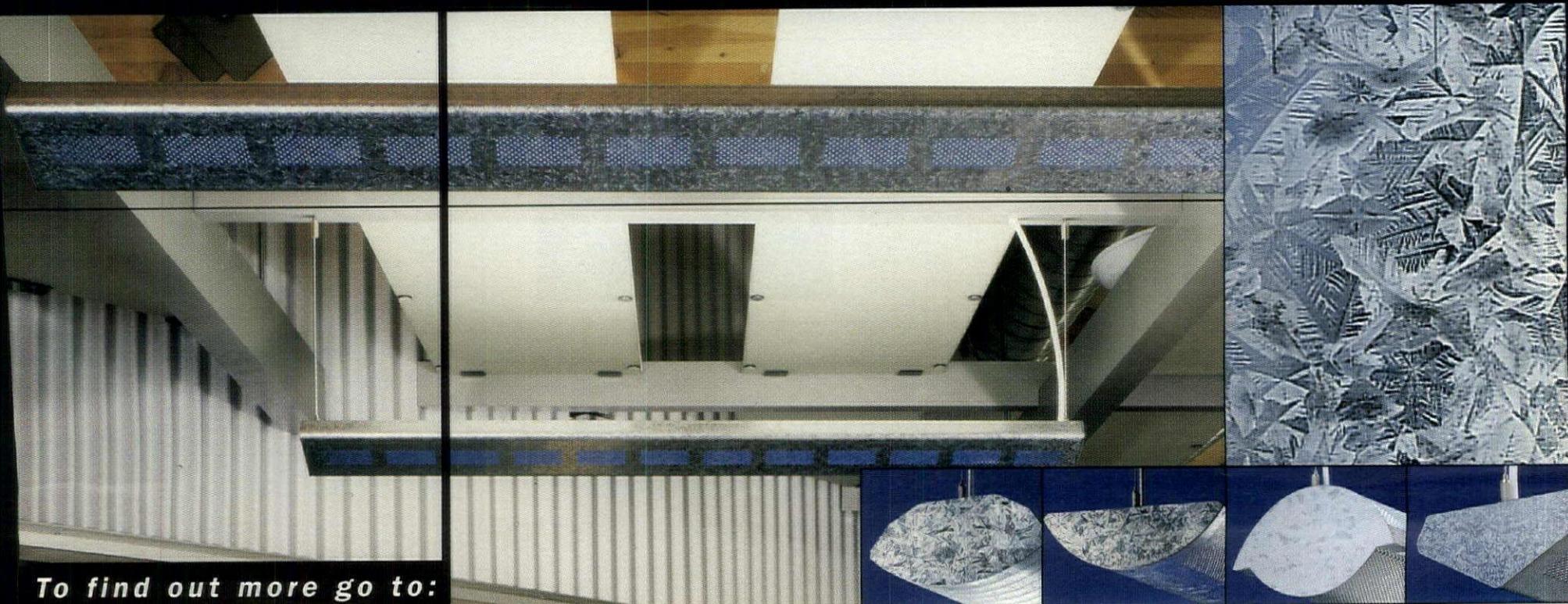
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Manning Lighting introduces a series of wall sconces featuring Imago, a new material from KnollTextiles. Imago is a hard-surface material resembling frozen fabric that consists of a piece of fabric surrounded by a high-performance resin. The addition of a diffusing material ensures even light distribution. Models DS-201 and DS-202 are offered in two designs and a variety of finishes. Imago panels are available in several standard patterns and colors. **Circle No. 120**

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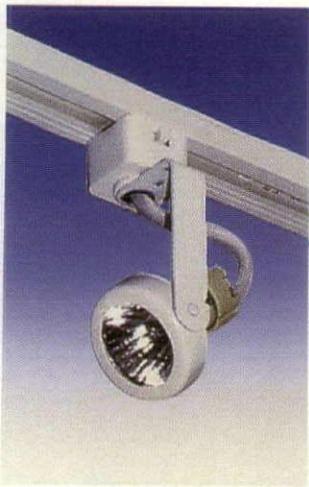
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Lite Trac from **Prescolite** now includes a family of line-voltage MR16 track heads available in flat-back cylinder, classic bell, round-back cylinder and open gimbal designs. The new line-voltage track heads are compatible with both one- and two-circuit Lite Trac installations. A variety of spreadlenses, louvers and color filters is available as accessories. **Circle No. 121**



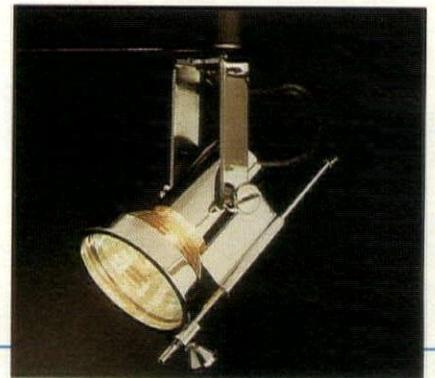
The MT603/MT607 Series from **Lighting Services Inc** is a new family of high-intensity lighting fixtures. Based on a T6 ceramic metal halide lamp, these spotlights feature a computer-designed, highly specular reflector to achieve exceptional levels at long distances. MT603/MT607 units are available in 120V or 277V, feature rear relamping for accurate focus maintenance, vertical adjustment locking and can internally accommodate up to three filters and accessories. **Circle No. 123**

Lytespan PowerWash T5 from **Lightolier** comes in 2-, 3- and 4-ft. lengths for use with two 24W, 39W or 54W T5/HO lamps. Available in white, matte black and aluminum finishes, the track-mounted version features a close-to-ceiling profile, 180 degrees of adjustment and a full louver shield for glare control. Offered in white, dark titanium and aluminum finishes, the suspended model hangs from the track on adjustable aircraft cables and may be rotated 360 degrees. **Circle No. 122**



The new L1816 lampholder from **Cooper Lighting's Halo** is scaled for use with 75W MR16 sources on Halo Power Trac and Lazer-by-Halo track systems. A die-formed aluminum yoke allows the lampholder to rotate horizontally 338 degrees and adjust 0-90 degrees vertically. Available in polished aluminum, matte black and white, the lampholder includes an integral 12V electronic transformer that features a visual polarity line for proper grounding when attaching to track systems. **Circle No. 124**

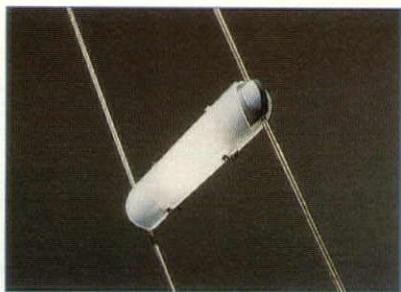
Cablo from **Targetti North America** is comprised of two flexible, electrically conductive, low-voltage, insulated 10-gauge copper cables and a system of adjustable lighthouse pulleys, spacers, connectors and tension mounts. Fixtures include Dart, a spotlight with a translucent "rosette" or satin Pyrex sphere containing a 50W MR16 halogen lamp; Clever, a miniaturized adjustable projector light; and 11 models of Unix spotlight heads, which offer wide and narrow beam spreads in metal and glass designs. **Circle No. 125**



**W.A.C. Lighting** introduces new "Eurostyle" track lighting fixtures, including the low-voltage Model 876 track head (shown). Designed with a removable front trim, the fixture is equipped with an aiming wand to direct light easily. Model 876 measures 4 7/8 in. in length, 2 1/8 in. in diameter and has a maximum extension of 5 1/8 in. Fixtures can be specified with color lenses, including dichroic translucent lenses. **Circle No. 126**

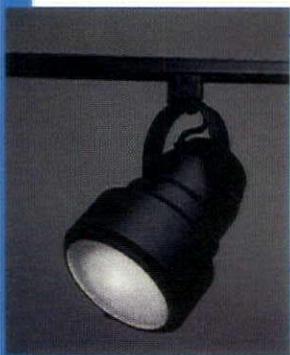


**Bartco Lighting's** Adjusta-Lock low-voltage track head is a two-part fixture operating MR16 lamps up to 75W. The lamp can be aimed via 358-degree rotation, head-pivoting and a unique design element providing up to 9 in. of vertical movement. All adjustments are easily locked into place to retain focus during light change out. Available in black, white and brushed aluminum finishes. **Circle No. 128**

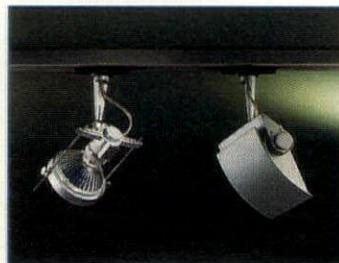


The Bridge Cable System from **Nemo Italiana Luce** is a new line-voltage cable system. It does not require transformers, eliminating power loss over long-distance runs. The system uses two 1800W circuits and can accommodate both indirect and direct lighting fixtures on one track. UL-listed. **Circle No. 127**

Designed by Philip Feenstra, **Ardee's** Flexible Track is a freeform flexible 12V track lighting system and collection of light heads that can be mounted on walls, ceilings or around corners via pendant rods or steel cables. The Flexible Track is constructed of solid brass conductors housed within a contemporary synthetic structure in black or grey. Power is supplied through an unobtrusive integral 12V transformer attached to the track or remotely. Each circuit can accommodate 300W. **Circle No. 129**



**Con-Tech's** Incandescent Drama Series has a tapered design for minimal size impression. A removable inner aperture sleeve further conceals the lamp and enhances the design qualities. The accessory holder, Model FA-40, is offered for use with optional lenses or egg-crate louvers. **Circle No. 130**



Lucitalia, distributed through **Illuminating Experiences**, introduces two new fixtures, Krisma and Karma. Krisma and Karma are line-voltage adjustable fixtures with an adapter for track mounting or a canopy for wall/ceiling mounting. The lights feature a die-cast aluminum body and a technopolymer base. Karma features a parabolic reflector with an asymmetric light pattern. **Circle No. 131**

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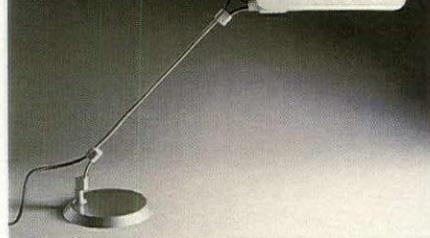
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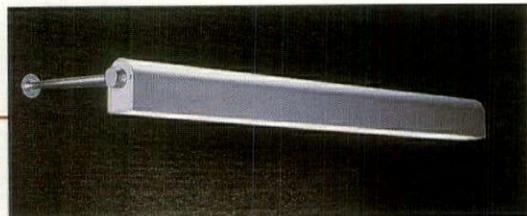
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"hung on high," angled up or down. The fixture is equipped with a cord cover offered in 1-in. sections for custom wall placement. Measuring 25 in. high, the Library Lamp is comprised of a 25-in. arm projection and 7-x-7-in. shade. Finishes are antique nickel, hand-rubbed antique brass, polished brass and polished nickel. **Circle No. 132**



**Jolt Lighting's** Mumbo task light (right) uses a 35W halogen lamp, offers 2,000-hour rated life and is available on Jolt's new articulating arm, which uses obedient tubing to provide smooth articulation. Jumbo (left) uses one 13W compact fluorescent lamp, has a rated lamp life of 10,000 hours and is available with a magnetic or electronic ballast. Three curved openings in the top surface of the fixture head reveal diffracted light. Both can be specified in single- or double-arm configurations. **Circle No. 133**

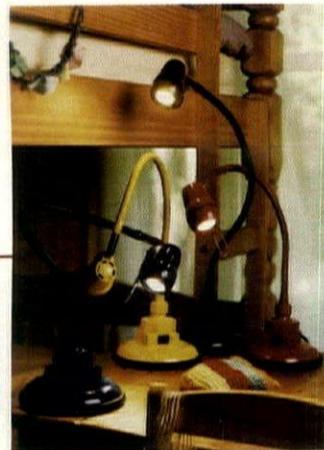


**TSAO Designs' Taskmaster Series 310** linear hard-wired task and accent lighting fixtures offer design continuity via a three-model range of pendant, table and wall-mounted task and accent lights. Housings for all models are made from extruded aluminum and may be ordered in 27-, 39- and 51-in. lengths. Fixtures are lamped with either a single or multiple inline T8 fluorescent lamps. A 120V electronic ballast is mounted inside each housing. UL-listed. **Circle No. 134**

The Alberto Meda and Paolo Rizzatto-designed **Bernice** from **Luceplan** features a translucent or opaque domed shade over an articulated aluminum lamp arm. Bernice is available in floor, wall, desk/tabletop and edge-mounting configurations. A 35W frosted bi-pin halogen lamp provides intense white illumination. Matte black or metallic silver finishes may be specified. Molded, translucent glass shades are available in green or blue, opaque matte black or metallic silver. **Circle No. 135**



From **W.A.C Lighting**, the Flexible Swivel Fixture II is a flexible lighting unit that directs light exactly where needed for a spotlight effect. Two styles are offered—one with a maximum extension of 24 in. and another with a maximum extension of 48 in. The unit can be suspended from a track or monopoint, or surface-mounted to the ceiling. Both styles are available in brushed nickel, black and white finishes and accommodate lamps from 20W-150W. **Circle No. 136**



The Young Reader's Collection of halogen reading lamps from **Sunnex** was designed specifically with children and teens in mind. The fixtures are available in different colors, including red, blue, green and yellow. The 20W fixture has a 20-in. gooseneck and swivel-joint lamphead. These fixtures come with a 10-year warranty. **Circle No. 139**



**Alkco Lighting's Xenix** is a modular undercabinet display system comprised of 12-in. units housing five 10W long-life xenon lamps. Each Xenix module is linked via tiny plug-in connectors for continuous rows of low-profile illumination. All units have power feeds that can be specified for hardwiring or portable plug-in 6-ft. power cords. An entire Xenix installation can be dimmed. No transformer is required. Extruded aluminum housings may be specified with a clear anodized or fade-resistant white finish. C/UL-listed. **Circle No. 137**



**Cisco Sales Corp.'s Relax Lighting System** desk lamp is designed to protect computer users from eye fatigue. It features an electronic ballast that eliminates stroboscopic effects and does not flicker, buzz or hum. Two 9W fluorescent tubes produce 75W of light. **Circle No. 138**



**Waldmann Lighting's Valencia** offers a choice of single-, twin-vertical and twin-horizontal arm styles and a variety of mounting options to maximize workspace. It uses two 9W fluorescent lamps with a rated lamp life of 12,000 hours. Valencia is available standard in matte black and light gray. Custom colors may be ordered. **Circle No. 140**

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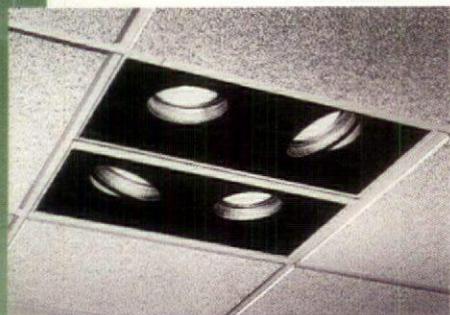
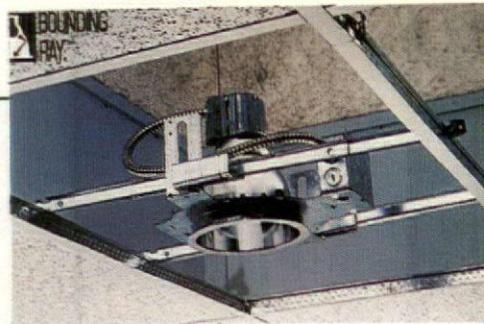
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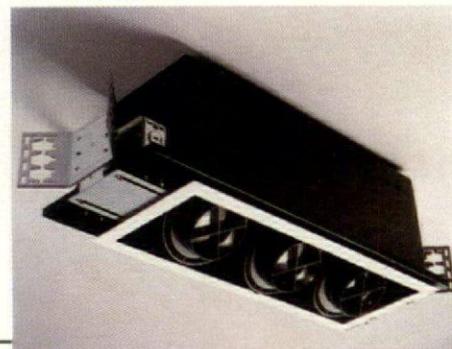
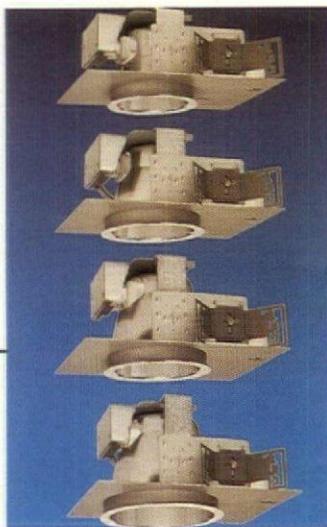
**Kramer Lighting's** T6 downlight and cylinder downlight (shown) feature a two-piece optical assembly with convex shatter guard for efficiency, even light distribution and low glare.

The T6 adjustable downlight uses a high-performance reflector with an Alzak aluminum, angle-cut parabolic cone, a glass shatter guard and produces no flashback at maximum aiming angle. The fixtures are available with a choice of narrow, medium or wide light distribution and accept T6 metal halide lamps. The series also includes a lensed wall washer equipped with a narrow distribution reflector and a separate chimney reflector. The chimney reflector surrounds the lamp with a convex spread lens and low-brightness cone. **Circle No. 142**

**Lithonia Lighting** has redesigned its Gotham 6- and 8-in. incandescent downlights to incorporate Lithonia Gotham's Bounding Ray Optical Principle for improved downlighting optical control. Optimal glare control and uniform aperture appearance result from lamp-before-lamp image and top-to-bottom flash performance. The wall-wash design uses a patented hybrid polished kicker to provide uniform wall luminance with no back flash. An improved mechanical retention system ensures a secure fit for trims. **Circle No. 141**



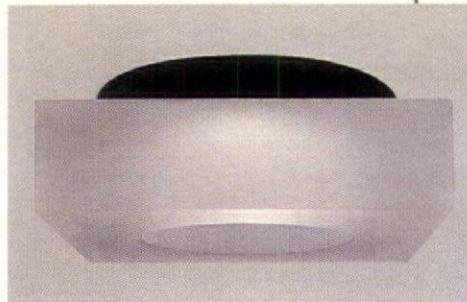
From **Edison Price Lighting**, Triples-H horizontally-lamped downlights offer optical control with low aperture brightness and shielding angles of 40 degrees parallel and 40 degrees perpendicular to lamps. Available in 5-, 6-, 7- and 8-in. aperture sizes and 13W, 18W, 26W, 32W and 42W models, the fixtures allow the interchangeable use of downlight and wall-wash reflectors. Reflectors are offered in seven finishes. Triples-H uses one or two triple-tube compact fluorescent lamps. **Circle No. 144**



Designed for installation into accessible and inaccessible ceilings in lay-in grid applications, **Con-Tech Lighting's** Accentuate is a recessed lighting system equipped with adjustable multiple accent fixtures. Fixture heads are offered in white, black and silver colors. Wing-type mounting brackets allow for vertical height adjustment and will accept HB-24 flat hanger bars or HBC-24 C-channel/grid ceiling mounting bars. **Circle No. 145**

From **Juno Lighting**, Multi-Spots feature multiple aiming adjustable lamps within a single rectangular recessed housing. Spot, flood and wall-wash light distributions can be created with any combination of MR16, PAR30, PAR38 halogen, ceramic arc metal halide and/or bi-axial fluorescent lamps. Trims are detailed with a close-pan design that conceals the hardware and trim plate is solid. **Circle No. 143**

**Lightolier** has introduced seven new styles of Lytecaster Lytegems to attach to most Lytecaster downlights. The additions are Alabaster, Tiered Ring II (bottom), Tapered Tier, Contemporary Disk II, Bed Molding/Round, Bed Molding/Square and Ice Cube (top). Ice Cube features a heavily frosted acrylic cube and Tiered Ring II's louvers are clear etched acrylic. **Circle No. 146**



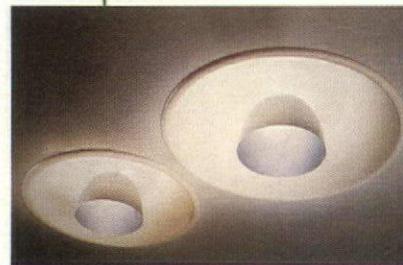
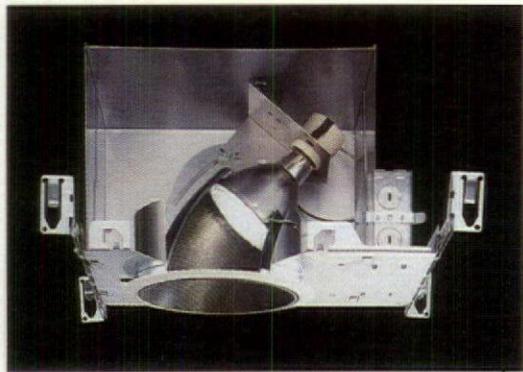
**W.A.C. Lighting** has introduced line- and low-voltage miniature recessed trims and housings in a variety of classic designs and finishes. Model HR-833 (shown) is a low-voltage miniature recessed trim and housing measuring 3<sup>5</sup>/<sub>8</sub> in. in diameter and 1<sup>1</sup>/<sub>8</sub> in. in depth. The fixture has a cutout of 3 in., an extension of 3/8 in. and is finished in brushed nickel. Other finishes are black and white. **Circle No. 147**

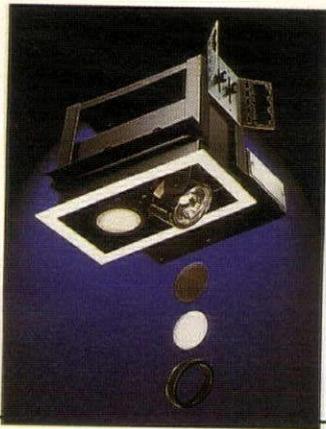


From **Ardee Lighting**, Indigo Circle dual-reflector troffer-styled recessed downlights possess a rough-in construction of natural-finish galvanized steel. The dish-shaped secondary reflector is spun steel powder-coated to produce a soft diffused light reflection. The reflector trim is offered with an aluminum finish inside and outside or specular anodized finish inside and aluminum-enameled finish outside. The trim incorporates an acrylic opal diffuser with a sandblasted plate glass disk. **Circle No. 149**



From **Cooper Lighting**, Halo's Allslope IC Air-Tite (H645IC) housing is designed for sloped ceiling installations with a pitch from 2/12 ( 10 degrees) up to 12/12 (45 degrees). A socket aiming mechanism allows the lamp to be aimed straight down regardless of the ceiling pitch. The lamp socket and trim can also be adjusted 20 degrees laterally for compound slope ceilings or to compensate for off-axis aiming. The sealed and gasketed H645IC features a selection of nine trims and accepts 50W-75W PAR30 long-neck lamps, 75W PAR30, 75W R30 and 60W-65W BR30 for the reflectors, baffles and eyeball trims and a 60W A9 for the albalite lens trim. **Circle No. 148**





Starfire Lighting's Versa-Lux single and multiple-lamp slot-recessed ceiling fixtures feature individual lamp holders that extend below the aperture up to 1 1/8 in. for directing light downward into a space or at right angles for wall washing. Adjustable center beams aim from 0-60 degrees in a 350-degree circle. Formed of .062 extruded aluminum components, the housing includes flanged or plaster trims. The fixture accepts PAR-series incandescent, MR-series halogen and PL-series compact fluorescent lamps. Various finishes are available. **Circle No. 152**

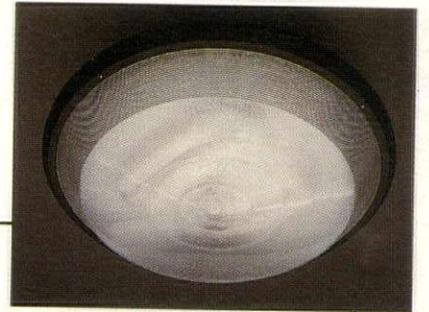


The fully enclosed Recessed Stainless Steel Ceiling fixtures from Bega are available in three sizes with a choice of ceramic metal halide or tungsten halogen PAR20, PAR30 and PAR38 lamps. The fixture features a perforated stainless-steel internal baffle for glare control and 1/16-in.-thick clear glass lens. UL-listed for wet locations. **Circle No. 150**

Designed by Alfred Homann for Louis Poulsen, the AH System of low-profile, semi-recessed downlights provides symmetrical distribution and is offered in compact fluorescent and incandescent models. Fixtures feature three die-cast aluminum or die-cut steel annular rings separated by vertical spacers to create two apertures for equal light diffusion. **Circle No. 151**



Infinity Lighting's SPH downlights are equipped with a 32-in. round aluminum housing and a drop prismatic diffuser. The fixture uses eight 40W bi-x or two 150W Osram Sylvania Icetron lamps. Other features include a 14-in. clearance and adjustable pendant mount. **Circle No. 153**

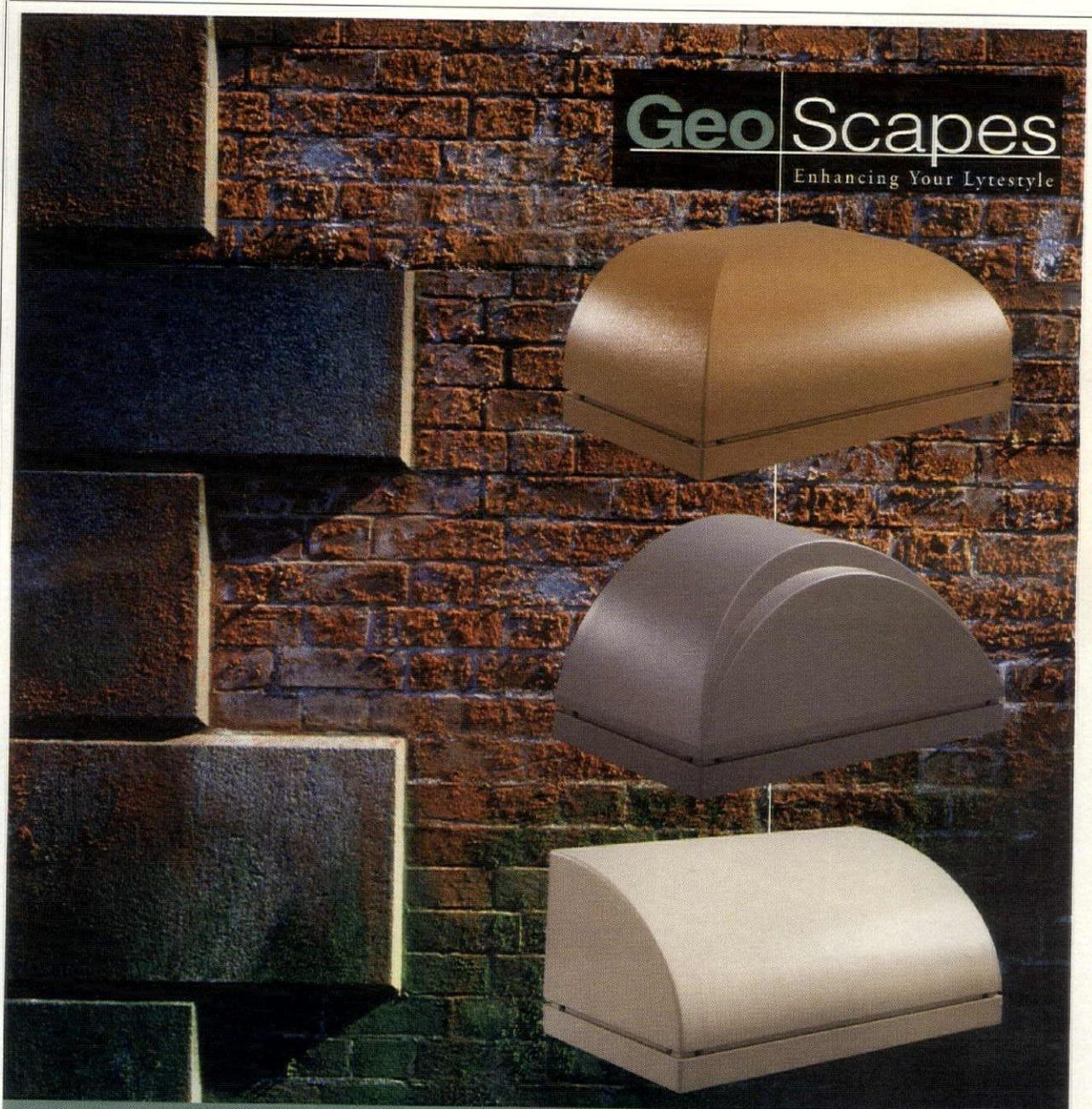


From Progress Lighting, Firebox recessed downlights maintain up to a one-hour fire rating when installed in a UL-L500 series, non-IC, fire-rated floor/ceiling assembly. Designed as a single, self-contained housing unit, Firebox has a ceiling opening of 6 7/8 in. and an 8 1/16-in. recessed depth. The plaster frame measures 13 in. x 9 1/2 in. A variety of trims is available. Firebox uses incandescent lamps in various wattages. The Pro-Optic Firebox has a 6-in. aperture and is designed for use with compact fluorescent lamps. C/UL-listed. **Circle No. 154**



Specialty Lighting's Lovo/Lux recessed and surface-mounted accent lighting fixtures are available individually or in sets of two, three or six. Housings measure 2 9/16 in. in diameter and are offered in polished brass, polished chrome, matte black or matte white finishes. Press-in side tabs facilitate recess mounting and attached 7/8-in.-deep saucer cups enable surface mounting. Lovo/Lux accepts 10W and 20W T2 bi-pin halogen lamps. **Circle No. 155**

From Designplan Lighting, Itsy Bitsy is a family of architectural, vandal-resistant, surface-mounted ceiling fixtures. Units are wet-label IP-65 and feature an extruded aluminum body available in various powder polyester finishes. Lamping options include AR70, MR16 and PAR20 metal halide sources. **Circle No. 156**



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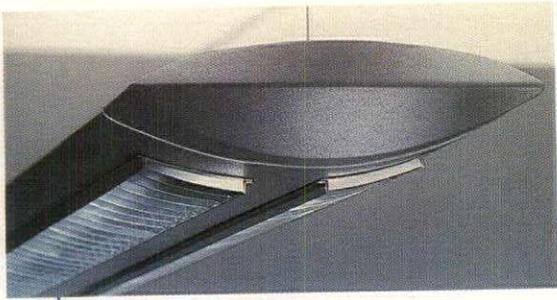
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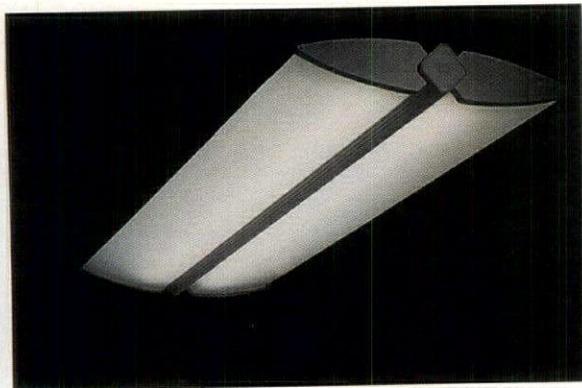
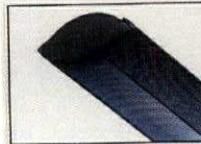
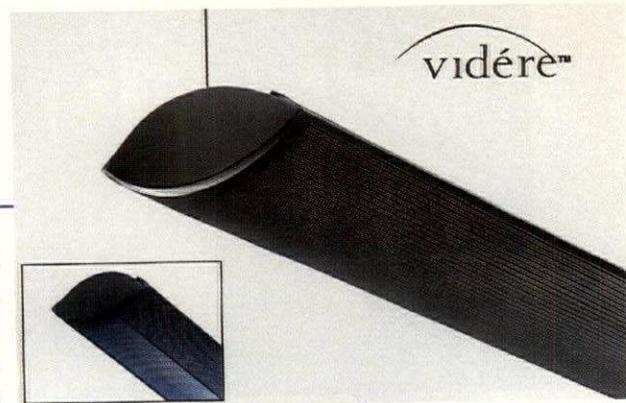


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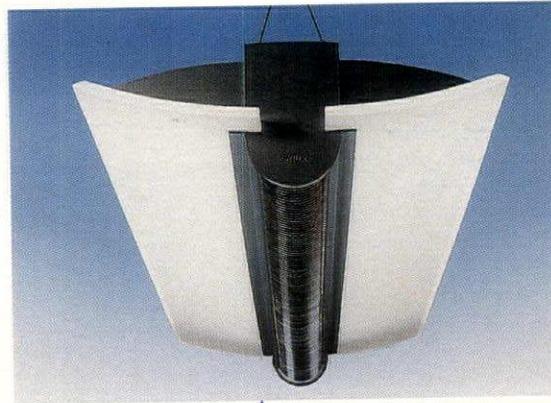
From **Lightolier**, the Agili-T pendant can be mounted directly on T-bar grid systems and comes pre-wired as a continuous-wired, two-circuit fixture with quick-connect end-caps. The fixture is available with a choice of four optic systems: indirect one-lamp (AGU), indirect two-lamp (AGS), direct/indirect two-lamp (AGL) and direct/indirect three-lamp with separate controls (AGM). Agili-T uses T5 lamps. **Circle No. 157**

**Litecontrol's** Vidère is characterized by its "all-perf" design, offered in two styles: full perf and segmented perf. Illumination is provided by a choice of T8 or T5/HO sources in a two-lamp design. RP-1-compliant, Vidère is constructed of heavy-gauge steel with die-cast, sculpted end caps. Available lengths are 4 and 8 ft. with suspension "on-module" for easy installation. A hub connector allows multiple fixtures to be joined. **Circle No. 158**

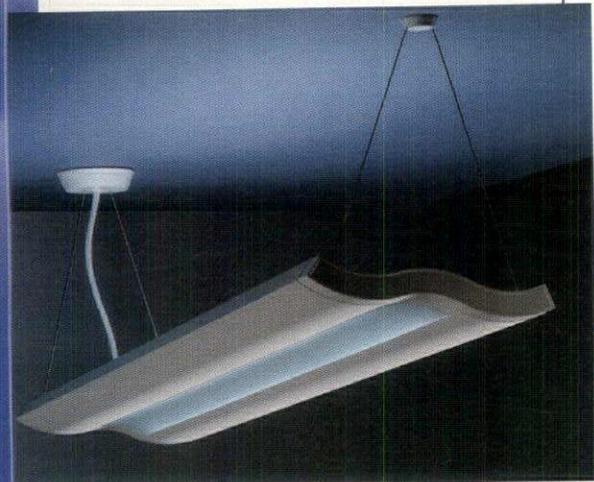


**Focal Point LLC** has introduced Smile, an indirect/direct fixture design imported from

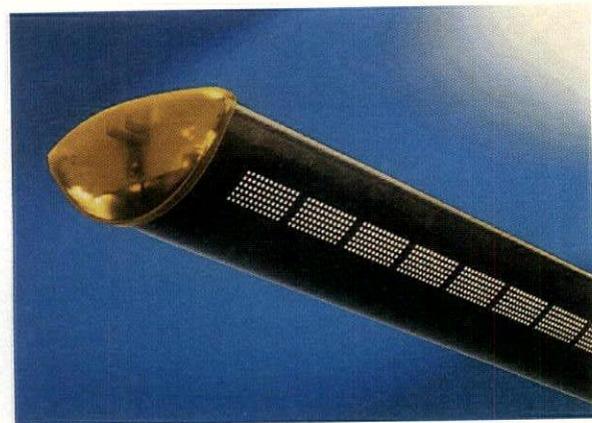
Regent Beleuchtungskörper AG in Basel, Switzerland. Smile features angular wings with reeded acrylic satin diffusers and is available in wall-mounted and ceiling-suspended models. The 4-ft. pendants may be mounted individually or joined in rows with a fully adjustable suspension system. Wall-mounted fixtures are offered in 2-ft. and 4-ft. lengths. Construction is an extruded aluminum channel with matte anodized finish. **Circle No. 159**



Aurea and Aureus direct/indirect pendants from **Se'lux** incorporate the company's patented Aura technology, which utilizes a multi-layered acrylic material with a satinized finish and is scratch resistant. Both fixtures use T5 lamps and provide a balanced illuminance between the ceiling and fixture body. Fixtures are equipped with a full indirect reflector system and an integral ballast system. Aurea (shown) features a radial parabolic louver system and Aureus offers a choice of either matte or specular parabolic louvers. **Circle No. 160**

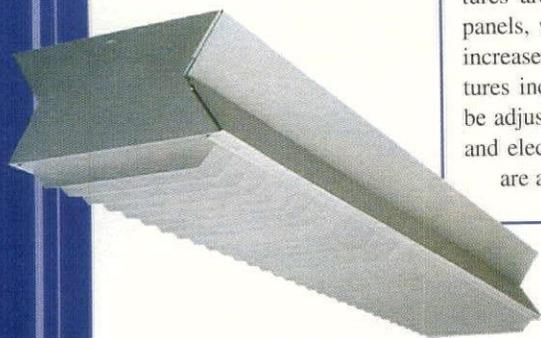


**Artemide's** Eos is a cable-suspended indirect fixture providing diffused, direct light with color accent options. Available in 46<sup>5</sup>/<sub>8</sub>-in. and 58<sup>1</sup>/<sub>2</sub>-in. lengths, modules are formed of extruded aluminum with a matte white, textured polyester powder coat. The direct optic channel is translucent white polycarbonate film. A variety of connectors allows for various configurations. Optional linear colored filters are available in blue, violet or green. **Circle No. 161**



From **Day-Brite | Capri | Omega**, eQ Series fixtures provide 15-percent uplight for indirect illumination and 85-percent downlight for direct illumination. Designed for use in classrooms, the fixtures are equipped with optical perforated side panels, which supply light above 90 degrees for increased spacing between rows. Standard features include sliding mounting brackets that can be adjusted to match installed pendants or cables and electronic ballasts. Electro-magnetic ballasts are also available. **Circle No. 162**

**Ledalite's** Soleo LP measures 2<sup>2</sup>/<sub>5</sub> in. deep and 6<sup>2</sup>/<sub>5</sub> in. wide. Available in a two-T8-lamp and T5/HO version, the fixture offers semi-indirect, indirect and wall-mounted distributions. Housing is die-formed, 20-gauge cold-rolled steel. Soleo LP is available in 4-ft., 8-ft. and 12-ft. lengths. Fixtures are finished in standard white or Techspace natural steel metallic powder coat. Translucent end caps are offered in a choice of seven colors. UL-listed. **Circle No. 163**



Light is essential, as it makes days longer, creates shadows and can utterly transform a room.

But to bring it into living and work spaces it has to be enveloped in a fixture, which, in turn, will modify its appearance.

Foscarini Fashion Light intends to dress light in special attire.



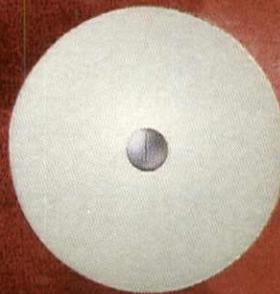
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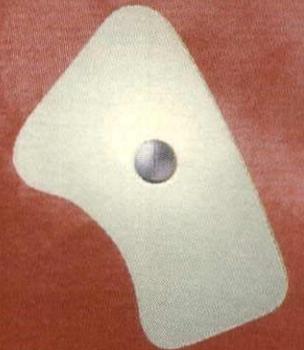
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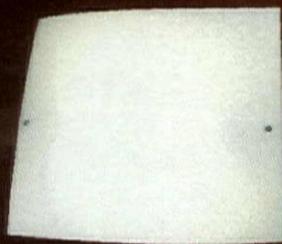
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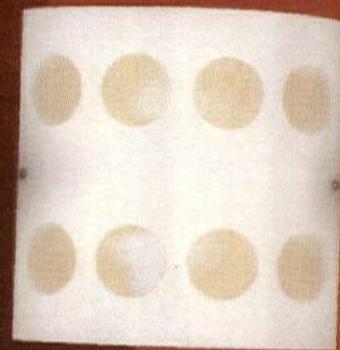
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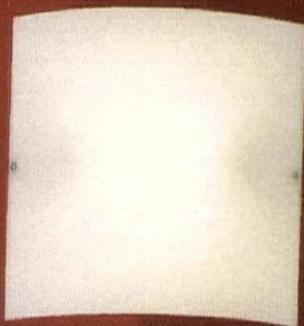
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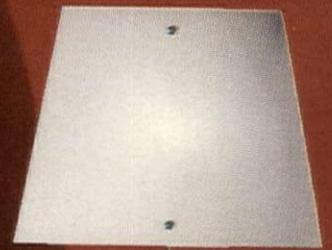
FOLIO



HOLA



SHAPE 3



FLAT

**Wall Folio**, Murano glass, (1x150 W hal.), two sizes, design: C.A. Urbinati-Ricci / A. Vecchiato

**Wall Hola**, glass, (1x150 W hal.), two sizes, design: Roberto and Ludovica Palomba

**Wall Flat**, glass, (1x60 W inc.), design: Piero Lissoni

**Wall Shape 3**, Murano glass, (1x100 W inc. or 1x150 W hal.), design: C.A. Urbinati-Ricci / A. Vecchiato

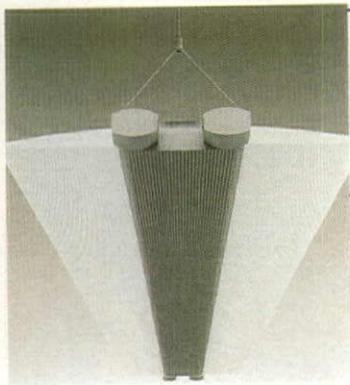
**Wall Bit**, glass, (1x60 W inc.), design: Ferruccio Laviani

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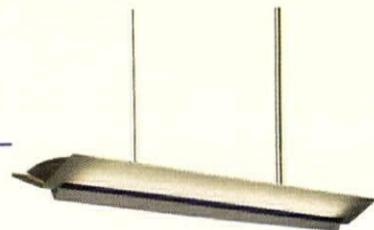
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Featuring **Zumtobel Staff Lighting's** Waveguide technology, Orea direct/indirect fixtures utilize a patented SLC waveguide lens to direct low-glare light downward. Measuring 1 1/2 in. thick and 15 1/8 in. wide, the fixture also uses a center rail to conceal the ballast and hardware. **Circle No. 164**



**Lightolier's** Alter Soft Light line of direct/indirect lighting products has been expanded to include nine new designs: Alter Windows Recessed (shown), Alter Windows Surface Wall, Alter Waves, Alter Wings, Alter Louver, Alter Recessed, Alter Slim Semi-recessed, Alter Round and Wal-Lyter. The new products accept bi-tube, triple-tube, quad-tube and linear T5 and T8 lamps. Fixtures are compatible with various electronic dimmers and electronic dimming ballasts. **Circle No. 165**



**Delray's** Quadrant family features etched glass with laminated color gels or mirrored accents and includes linear fluorescent uplights, pendant uplights and wall sconces. The linear fluorescent uses two 55W T5/HO lamps and measures 50 in. in length, 9 in. wide and 3 1/8 in. deep. **Circle No. 166**

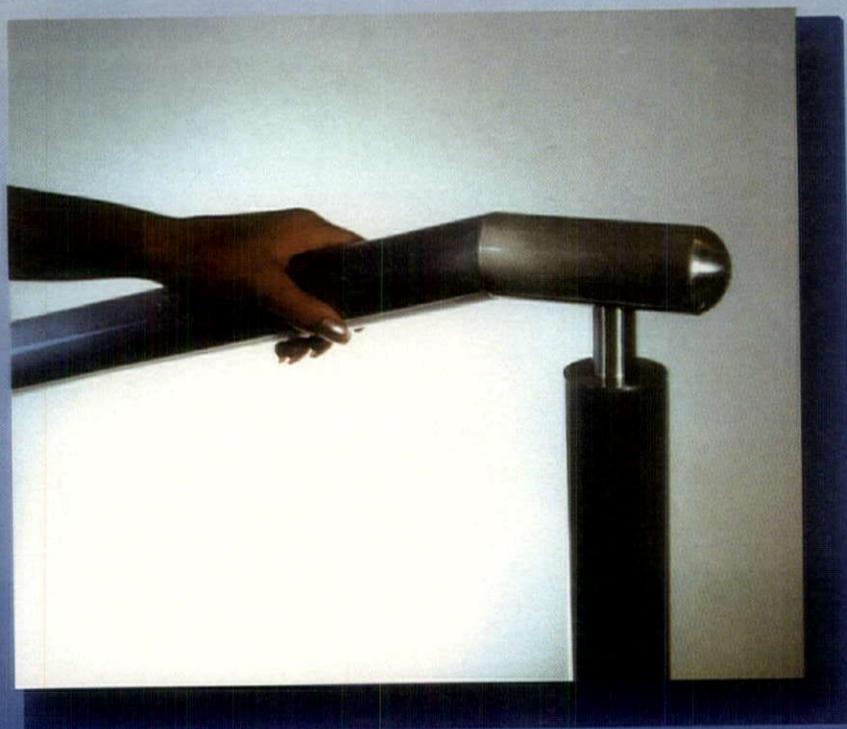


Venza LP from **Ledalite** is offered in a one- or two-T8-lamp version and a T5/HO version. Venza offers semi-indirect, indirect and wall-mounted distributions and is available in 4-ft., 8-ft. and 12-ft. lengths. Housing is die-formed, 20-gauge cold-rolled steel. Finish is standard white or Techspace natural steel metallic powder coat. Translucent endcaps come in seven colors. UL-listed. **Circle No. 167**

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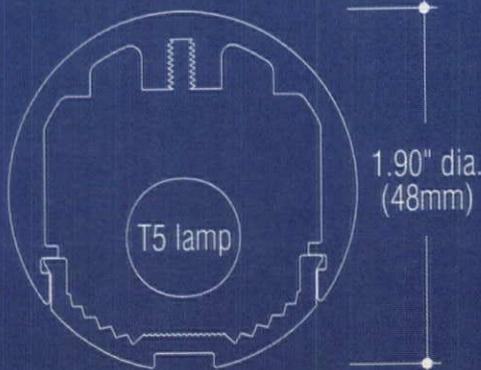
Function



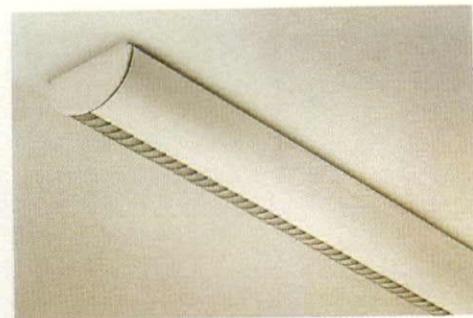
Quality

Style

The unique design is small to accommodate ADA requirements.



From **Cooper Lighting**, Metalux Aerial T5 surface-mount series is offered with interchangeable shielding media and louver options. Available in 2- or 4-ft. lengths, fixtures are 2 1/2 in. deep and 16 in. wide and can be specified with perforated, frosted or solid wings. Lamping options include 14W or 28W T5 or 54W T5/HO sources. T5/HO models include the Brightness Softener (patent pending). Finish is matte or bright white. **Circle No. 168**



**Elliptipar's** family of low-profile T5 linear fluorescents includes one- and two-lamp styles for lighting vertical surfaces and a three-lamp style for uplighting. Fixtures feature adjustable aiming, radial vertical blade baffle for 25-degree lengthwise shielding, integral electronic ballast and an all-aluminum and stainless-steel construction. Fixtures can be mounted individually or in continuous rows with through wiring and quick connectors. Lamping is T5 and T5/HO sources. **Circle No. 169**

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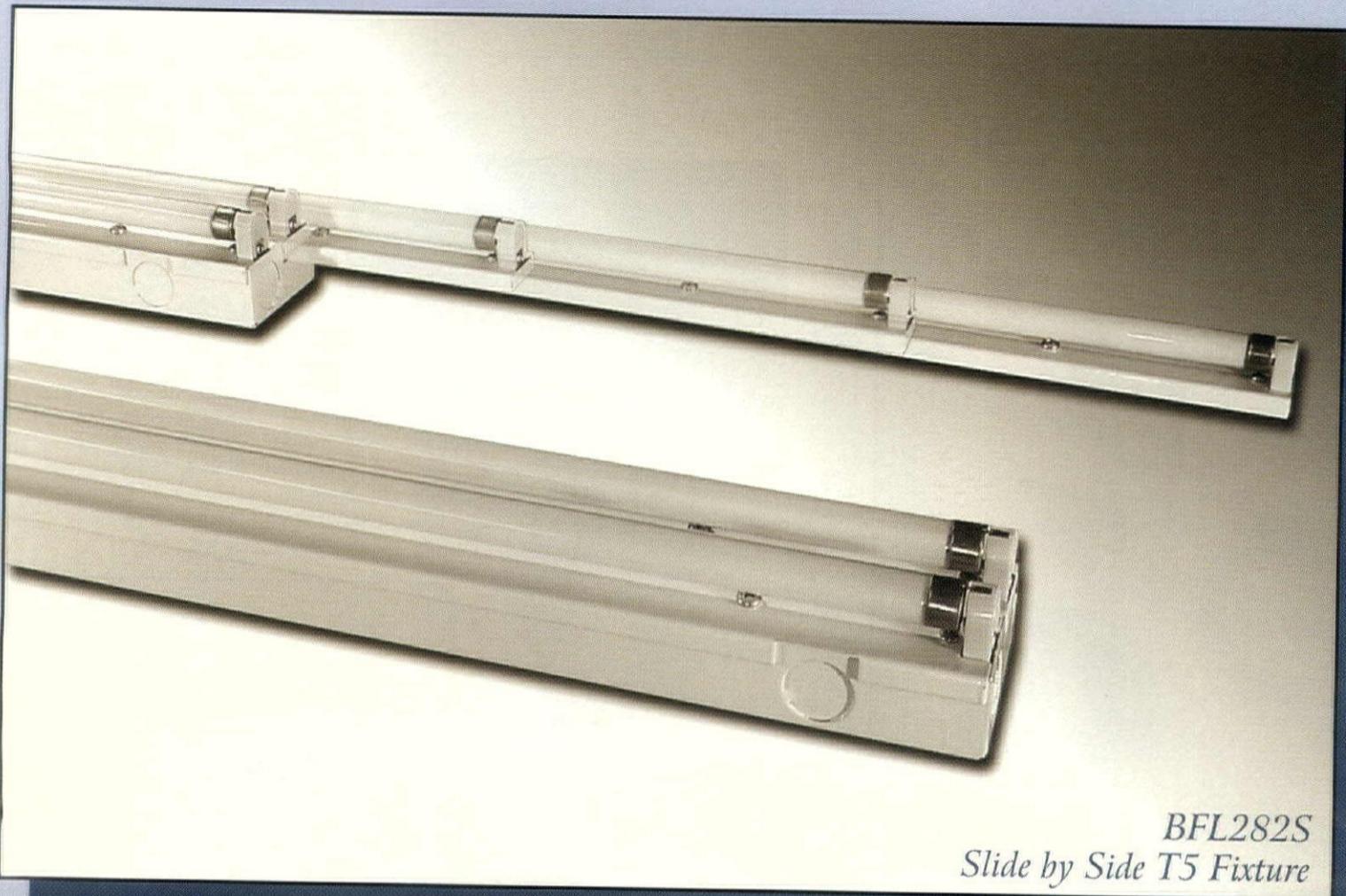
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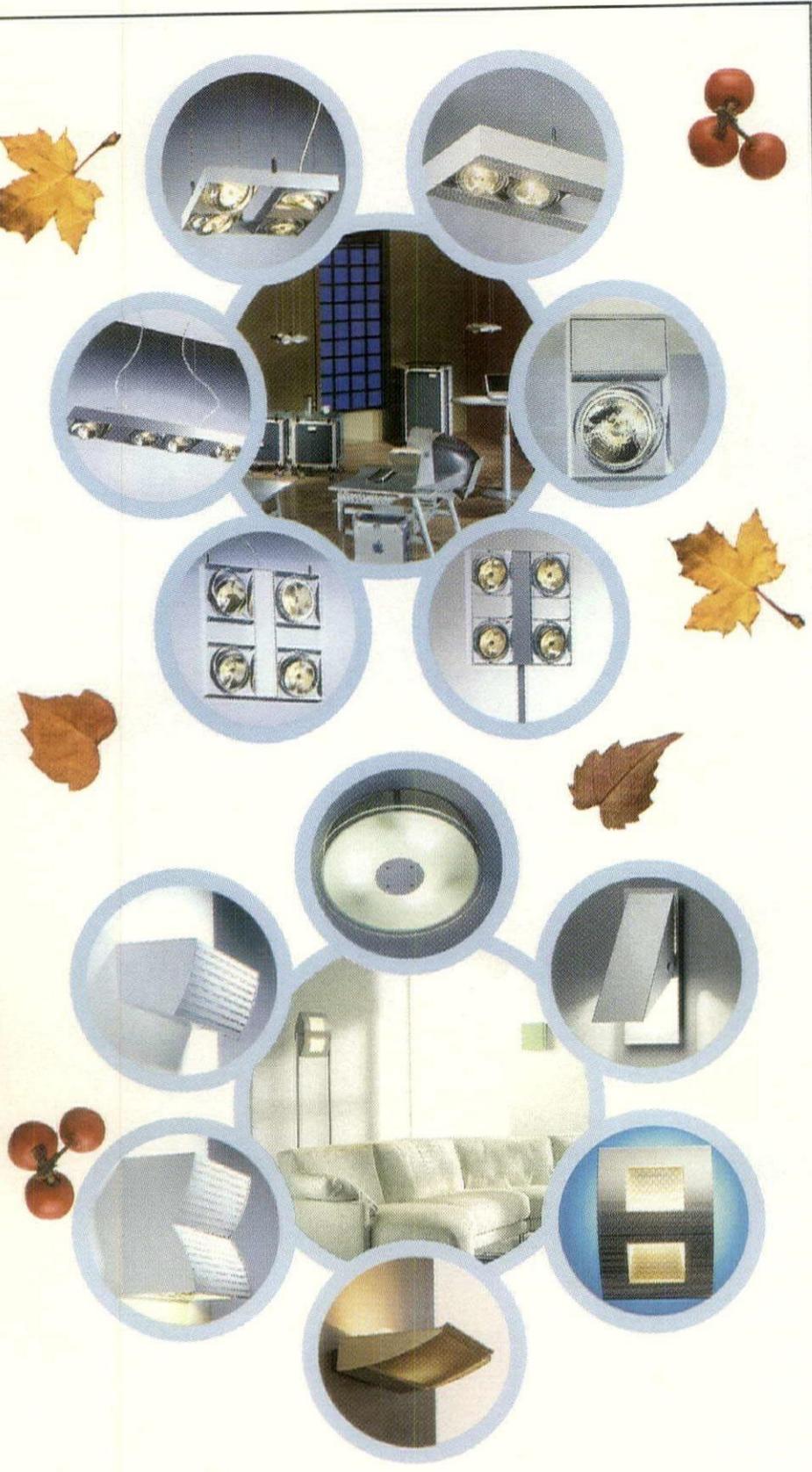
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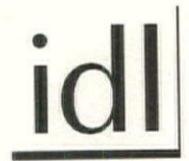
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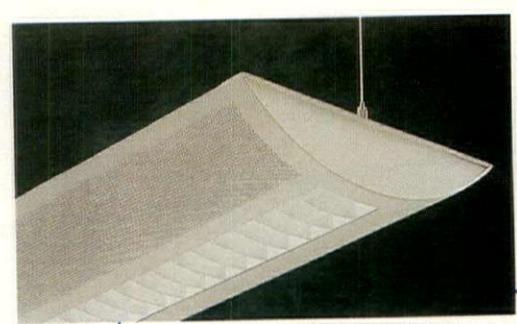
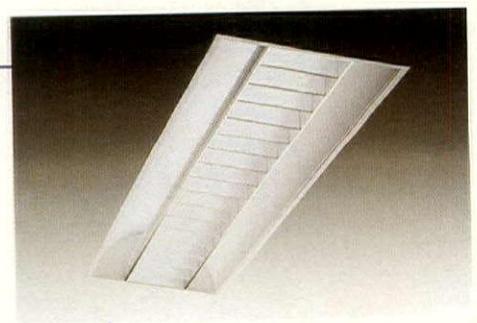
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*(indirect & direct/indirect)*

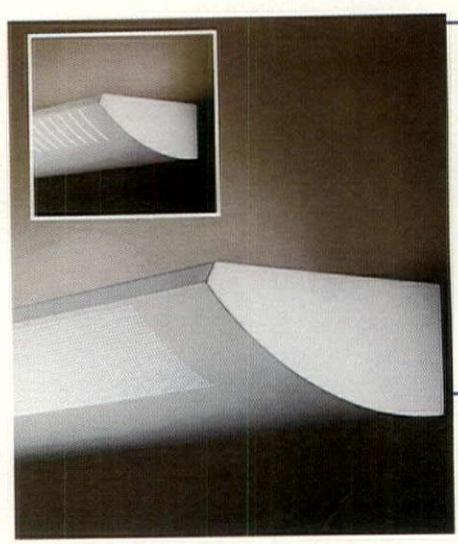
The ceiling-recessed Synto SCL from **Zumtobel Staff Lighting** features a shallow housing and flush louvers to provide direct/indirect distribution. The fixture is available in a 1-x-4 configuration with T8 or T5/HO lamps. A variety of reflectors is available. **Circle No. 170**



**Lightolier's** PerLyte perforated steel fixtures can be either pendant- or wall-mounted. The fixtures are available in a variety of direct and direct/indirect lighting distributions and offer distribution ratios ranging from approximately 100/0 to 60/40. Lamping options include T8, biax and T5 fluorescent sources. **Circle No. 171**



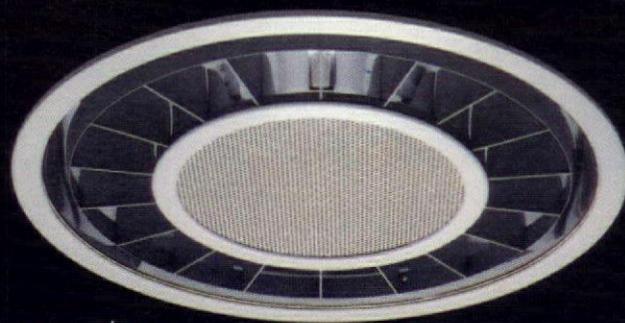
**Lam Lighting Systems'** recessed indirect lighting fixture, Domelite, accommodates standard drop-in ceiling grids with 2-ft.-x-2-ft. or 4-ft.-x-ft. aperture openings, including those with shallow plenum spaces and exposed or concealed grid suspensions. DL2 units measure 8<sup>3</sup>/<sub>4</sub> in. high with a square aperture of 23<sup>1</sup>/<sub>2</sub> in. and are offered with a choice of 33<sup>1</sup>/<sub>4</sub>-in. or 35-in. lengths across the top. DL4 units measure 14<sup>3</sup>/<sub>8</sub> in. high with a square aperture of 47<sup>1</sup>/<sub>2</sub> in. and are available in 57<sup>1</sup>/<sub>2</sub>-in. or 59<sup>3</sup>/<sub>4</sub>-in. lengths. **Circle No. 172**



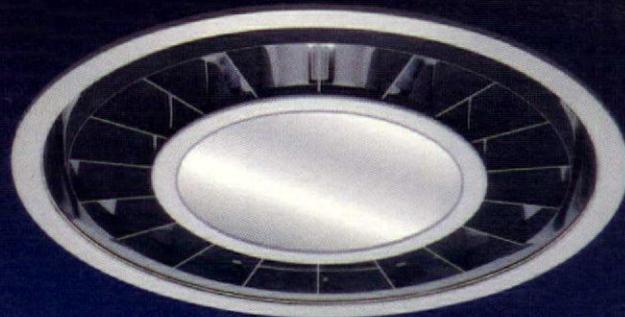
**Litecontrol's** SAE (Simple-Affordable-Efficient) product line has expanded to include a Wall SAE fixture and SAE 2-ft. sconce. W-AI-96P features a perforated housing and is available in 3-, 4-, 6- and 8-ft. lengths as well as a 2-ft. sconce. W-AI-96S sports a series of 1/8-in.-wide vertical slots. Lamping options include T8, T5 and T5/HO for the 3-ft. and longer lengths, T8 and compact fluorescent for the 2-ft. sconce. **Circle No. 173**

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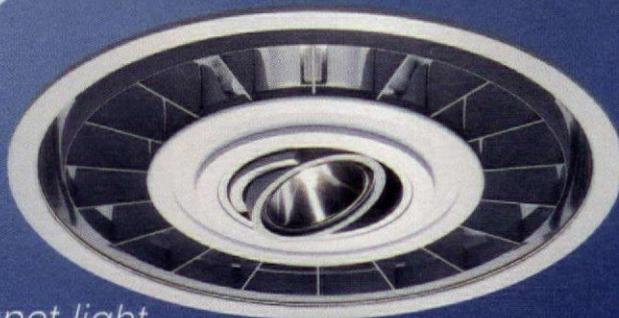
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*.... motion detector*



*.... spot light*



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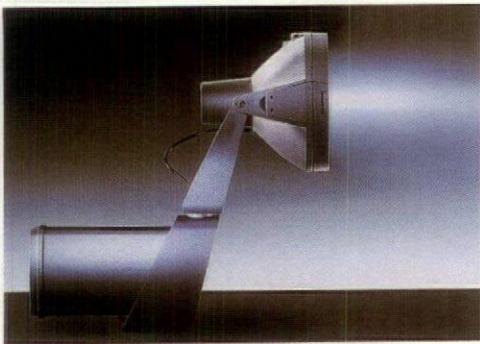
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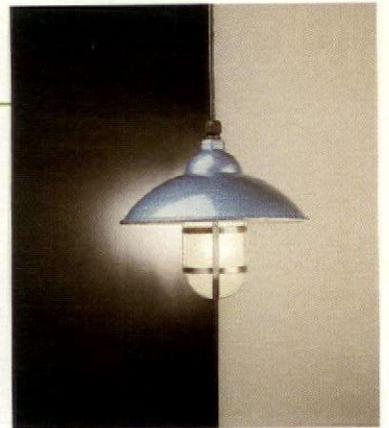
# WILA



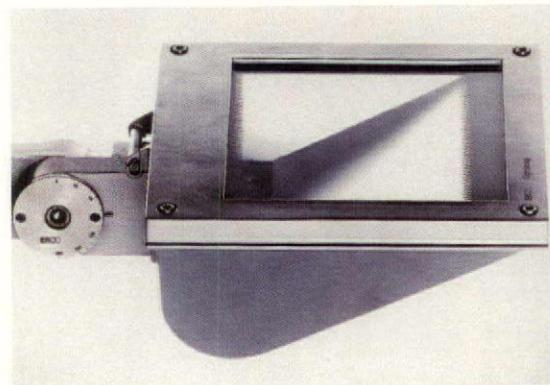
Focca accent and floodlighting fixtures from **Architectural Landscape Lighting** feature a conical-shaped lamphead with a large-format lens. The light head moves through a

range of angles and offers an attachable, angled visor glare shield. Housing is die-cast aluminum with a chip- and fade-resistant black enamel finish. A Y-shaped yoke is affixed to the ballast box at a 45-degree angle. Various visors, louvers and colors lenses are available. Narrow, medium and wide optics may also be specified. C/UL-listed. **Circle No. 174**

**Luraline's** Facets consists of a trio of designs and is available in ceiling-, pendant- and wall-mount configurations with a choice of incandescent, halogen or compact fluorescent lamping. The cylindrical "bullet" diffuser is offered in clear or satin-etched prismatic glass with optional zinc-plated wire guard and perforated aluminum enhancement. Constructed of heavy-wall, spun aluminum with cast zinc alloys, Facets features a "faceted" finish in five shades, black and white as well as custom colors. **Circle No. 175**



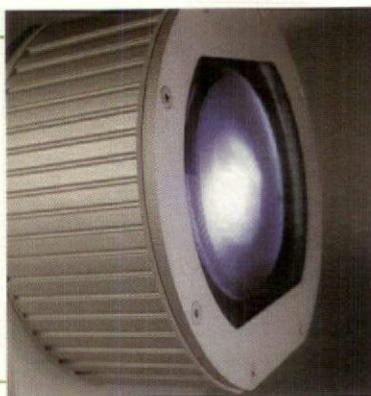
Featuring a reversed tapered pole, Ritorno Asymmetric and Symmetric fixtures from **Se'lux** use one medium-base ED17 metal halide lamp (175W max.) or one HPS lamp (150W max.) The lamp and reflector assembly is concealed within the fixture and protected by a heat-tempered convex lens. The highly specular precision reflector is contained in an optic chamber removable from the cast aluminum pole fitter for ballast access. Standard exterior colors are white, black, bronze and silver. Custom colors are also available. C/UL-listed. **Circle No. 176**



From **Erco Lighting**, Lightscoop asymmetrical washlights provide

uniform illumination of walls up to 60 ft. high. Available in three sizes as well as a compact wall-washer version, fixtures can be used as wall, ceiling or floor washlights and accept 150W to 1000W tungsten-halogen, 70W metal halide and one or two 42W compact fluorescent lamps. The aluminum housing has a wet location rating. Lockable joints are stainless steel. **Circle No. 177**

From **Martin Professional**, the Exterior 200 is a compact, 150W short-throw, CMY color changer in a weatherproof housing. The fixture features a built-in light sensor, memory presets and DMX controllability. The asymmetrical beam allows for close fixture positioning to projection surfaces. Housing is extruded aluminum. IP65-rating. **Circle No. 178**

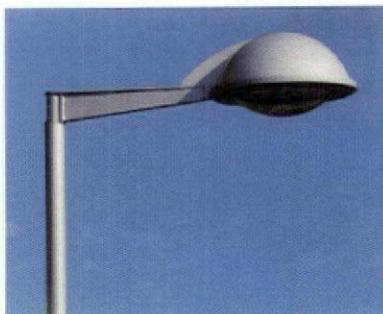


The WFL series of architectural wall-mounted fixtures from **Lithonia Lighting** offers a choice of 10 different optics and a range of rotation and reversible-mounting capabilities in either lens-up or lens-down configurations. In the down configuration, full cutoff lighting meets IES criteria. Construction consists of a cast and extruded aluminum housing and a one-piece silicone gasket. The series accommodates metal halide and HPS lamps. **Circle No. 179**

**ExceLine's** GeoFlood is constructed of die-cast aluminum and designed for severe weather conditions. Exterior components are painted with Duraplex II polyester powder coat. Available in accent, cutoff, facade, horizontal and vertical optic packages, GeoFloods can be mounted to a 2-in. pipe or a 2 3/8-in. tenon and then secured with four recessed allenhead screws. Other features include formed and polished and/or segmented specular aluminum reflectors, lockable 5-degree incremental aiming adjustment and stainless-steel, Torx-head T25 tamperproof hardware. C/UL-listed. **Circle No. 180**



Arc from **Se'lux** is a family of low-profile outdoor fixtures that provide cut-off optics. Available in two sizes, fixtures operate HID lamps from 175W to 400W and offer distribution patterns for symmetric and forward throw asymmetric. The reflector is electropolished and anodized aluminum and diffuser is clear, tempered glass with a minimum wall thickness of 1/8 in. Arc can be integrated onto architecturally designed return arms for single or multiple pole-mount and wall-mount applications. **Circle No. 181**



The photometric distribution of **Holophane's** Vector promotes visibility on highways by increasing the contrast between an object and its background. Poles used with the fixtures can be located outside the AASHTO-defined Clear Zone. Available with narrow, medium and wide distributions, the Vector is equipped with an adjustable socket, stainless-steel door latches, a plug-in starter and a unitized electrical system. Fixtures accept a variety of lamps. An optional protected starter is offered. UL-listed for wet locations at 40 degrees Celsius. **Circle No. 182**



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The Quadro H Series meets the architectural demands for a stylish luminaire with controlled, full cut-off optics. Quadro H Series and Quadro Lanterns offer various fixture sizes and lighting techniques



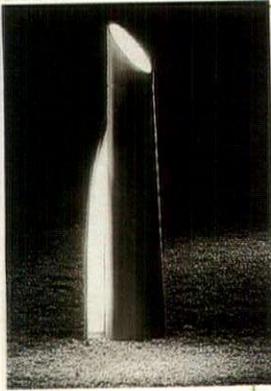
providing a family of luminaires that can be used to transition seamlessly from parking lot and roadway lighting to walkway, entrance and building mount applications.

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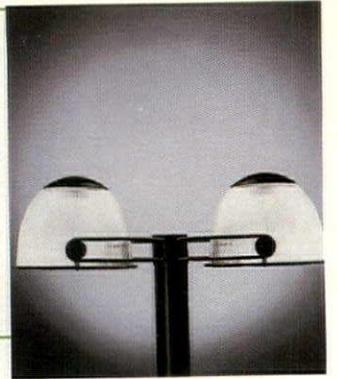
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Hessamerica's Ponte bollards provide indirect/direct pathway and perimeter illumination. Constructed of corrosion-resistant, cast aluminum with stainless-steel hardware, the fixture features a columnar light body and a truncated head that is capable of rotating through 360 degrees and contains adjustable specular metal internal louvers. An S-shaped curve along one side of the housing emits vertical illumination. Ponte uses a 35W PAR30 L metal halide lamp and a 24W T5/HO lamp and is finished in textured light silver metallic paint. C/UL-listed. **Circle No. 183**

Ruud Lighting's Prismatic Area Light (K Series) offers IES Type-V optical distribution and features an acrylic reflector/refractor available in clear-top or partial-shroud styles and tempered glass lens. A fabricated aluminum yoke of round extruded arms and cast hub in black finish support the fixture housing. Mounting options include twin-side pole, post-top, single-side pole and wall mount. Standard 10-ft. pole has a 4 1/2-in. diameter. Other heights are available. HID lamps is included. A range of wattages is offered. **Circle No. 184**



A prismatic pattern in Holophane's acrylic Washington Postlite fixtures spreads the lamp image over the entire globe, enabling it to appear wholly luminous. Electrical components are mounted on the housing door, which can be removed by loosening two screws and unplugging a single electrical disconnect. The door and housing construction allows for connections and repairs to be made without having to hold the ballast components in hand. The acrylic optics have also been engineered to fit housings from other series. Three lighting patterns are available with IES Type-III, IV and V lighting distributions. **Circle No. 185**



The new Steplights series from Architectural Area Lighting is designed with a composite back box instead of aluminum to eliminate corrosion problems. Offered in small (ASL7) and large (ASL10) sizes, fixtures are available in a choice of two shapes, three fascia designs and three mounting options. Cover assembly consists of a cast aluminum or brass frame and inner ring assembly. A range of lamping options is offered. **Circle No. 186**



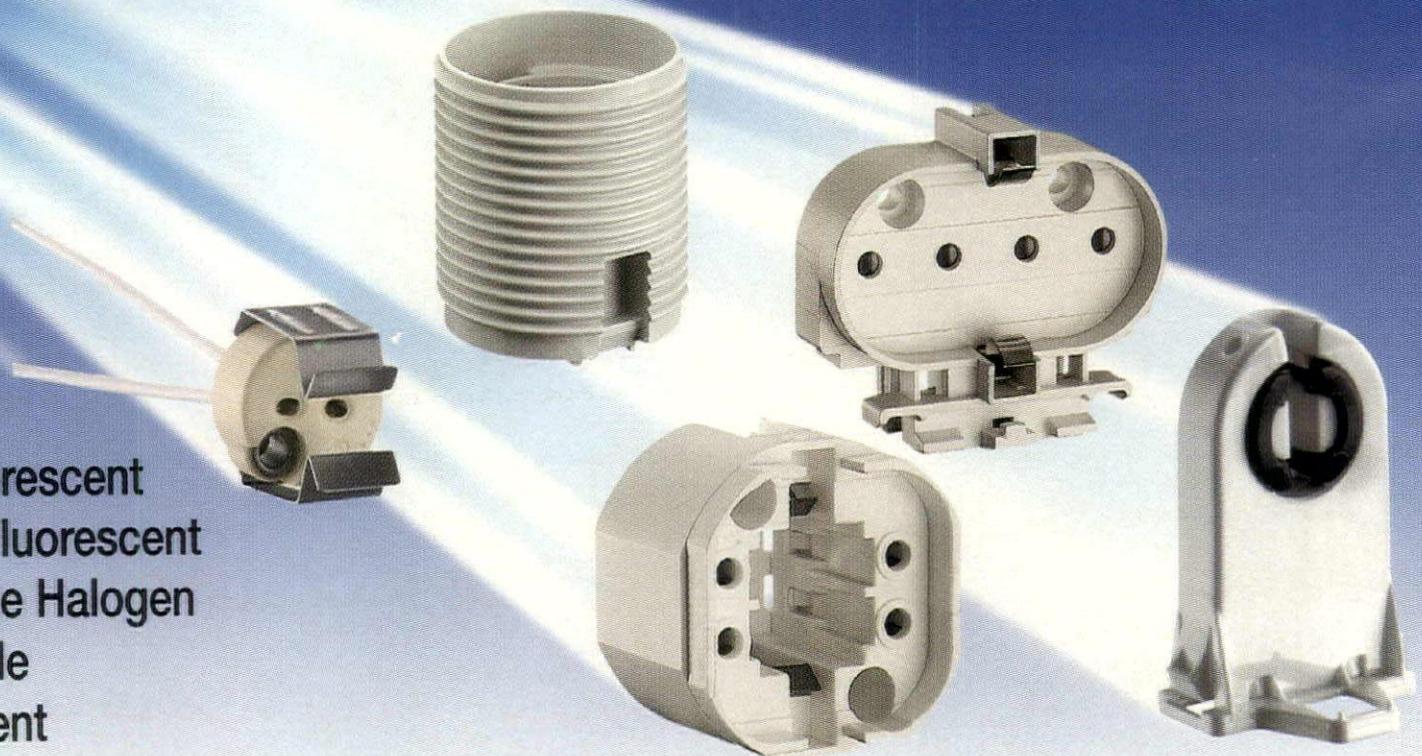
Quality Lighting's Design WF post-top-mounted fixtures feature a bell-shaped housing constructed of heavy-duty spun aluminum and flared to help minimize vandalism. The ballast housing is cast aluminum. Six retainer clips secure the convex, thermal- and shock-resistant glass lens to a heavy-duty cast aluminum frame. The lens frame is hinged to the fixture housing with two stainless-steel hinges and secured with flush-mounted, captive screw-type fasteners. Painted parts are pre-treated via a five-step process, including iron phosphate priming to ensure corrosion resistance and coating adhesion. Various electrostatically applied polyester powder-coat finishes are available. **Circle No. 187**

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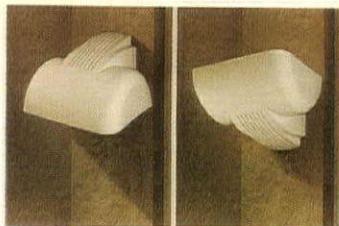


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From Cooper Lighting, **McGraw-Edison's** Vision Wall series features interchangeable and rotatable IES Type-II, III and IV optical

configurations and utilizes 95-percent reflective segments. The optical system may be removed without the use of tools and all optics are rotatable in 90-degree increments. Fixtures are available with up to 175W metal halide or 150W HPS lamps. CSA-certified, UL-listed for wet locations in up or down mounting positions. **IP65-rated. Circle No. 188**



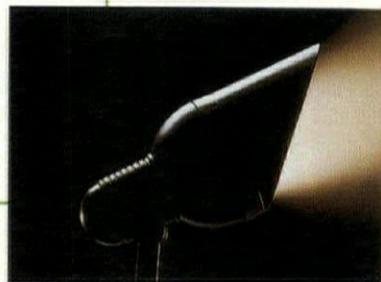
Available in small (OS) and large (OL) models, **Architectural Area Lighting's** Oculus utilizes a parabolic reflector system and axial lamp orientation to provide beam control and reduce glare. Suited for wall-, ceiling-, pole- and floor-mounting configurations in interior and exterior settings, Oculus comes in metal halide, compact fluorescent and PAR lamp versions. T6 ceramic lamp models as well as various internal and external options are offered. **Circle No. 189**

Providing linear accent illumination in interior and exterior applications, **Bega's** wall-mounted stainless-steel fixtures are designed around the 26W compact fluorescent lamp and feature a one-piece, hand-blown, three-ply opal glass gasketed using a high-temperature, molded O-ring. Fixtures are available with slotted openings or an open diffuser. UL-listed for wet locations. **Circle No. 190**



Offered with single, double or triple lampholders, PARmate from **Canlet** features an integrated shroud, a silicone seal and weatherproof box. Fixtures can be used in severe weather conditions and in open, unsheltered areas. Lamping options include all PAR38 and halogen PAR20 sources. Available in arctic white, architectural grey and verde green with or without matching weatherproof box. CSA-certified for indoor and outdoor use. UL-listed for wet locations. **Circle No. 191**

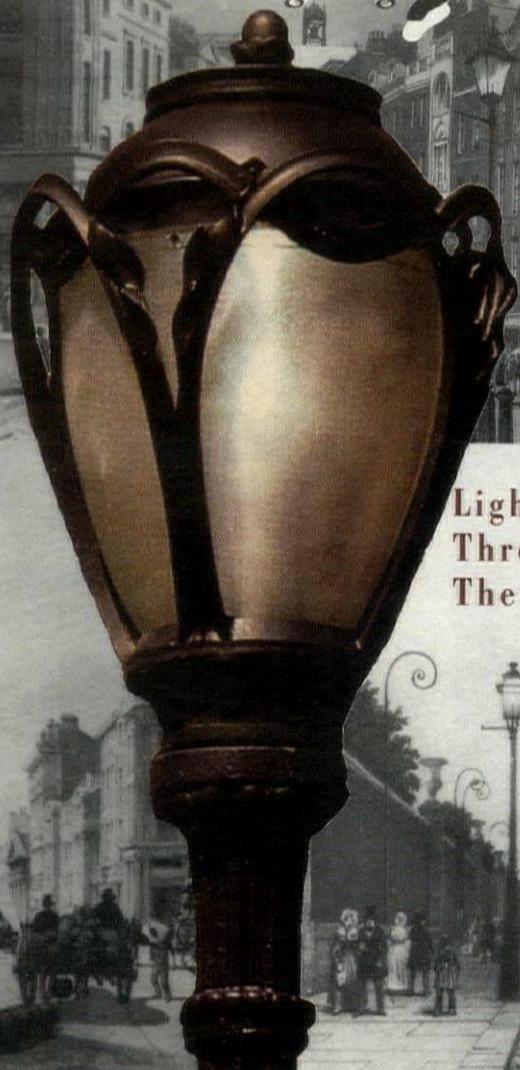
The Bolero series from **Architectural Landscape Lighting** comprises three multi-directional bullet-shaped landscape lighting fixtures available with small, medium and large visor options, which reduce light spill and glare. Bolero uses a 175W metal halide lamp in spot or flood beam spreads. Construction is corrosion-proof composite material offered in architectural bronze or matte black. C/UL-listed for wet locations and IP65-rated. **Circle No. 192**



**MetroLux Lighting's** internally mounted IL45 louver system and IL80 cutoff shield help reduce light trespass, glare and light pollution emanating from highway fixtures. IL45 is a modular system that provides 45-degree cutoff angles on two sides of the fixture. Also providing a sharp cutoff angle, the IL80 ensures that 100 percent of wasted roadway light above 80 degrees is eliminated and that more light is focused directly on roadways where it is needed. Both IL45 and IL80 work with MetroLux's MedianMaster and VA Series fixtures. **Circle No. 193**

# Sentry

Exterior Lighting

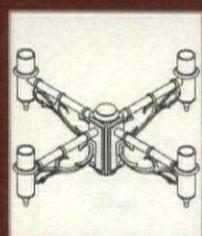


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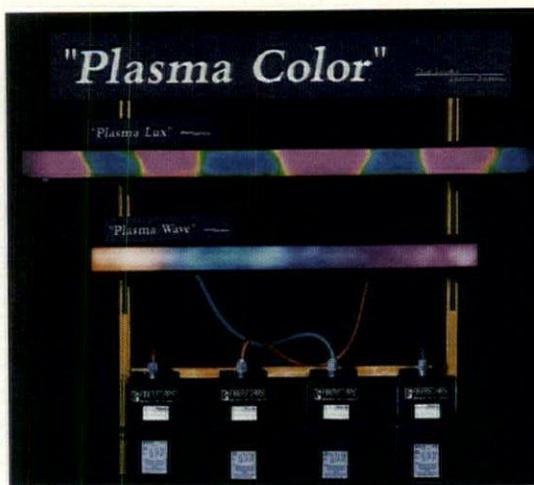
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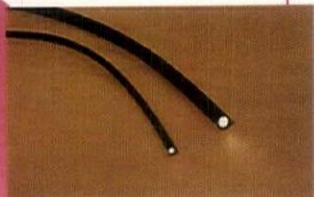


The Diamond Light is **Bartco Lighting's** latest addition to its fiber-optic line. The Diamond's compact and quiet illuminator is composed of two separable parts, the power supply and high-output halogen source. Light from the lamp is transmitted via end-emitting glass fiber.

Fixturing is composed of a clear acrylic base that supports a slim brass-finished tubular form fitted with light ports. **Circle No. 194**



Developed by **Craig Lazarus Lighting Designer** in conjunction with **Fiberstars**, the Plasma Color fiber-optic system provides a soft, even panel of illumination filled with brilliant light, color and animation, which differs from the traditional "point" look of fiber. Plasma Color can be used for interior or exterior display, underwater and various other applications. **Circle No. 196**



**Fiberstars' OptiCore** is a large-core, high-durability endlight fiber belonging to the MaxCore product line and is offered in 0.191-in. and 0.368-in. diameters. OptiCore plastic optical fibers feature a polyethylene sheathing and will remain flexible from -40 to 85 degrees Celsius. Minimum bend radius, while still maintaining 90-percent light transmission, is eight times the core diameter. Maximum length available is 75 ft. **Circle No. 195**

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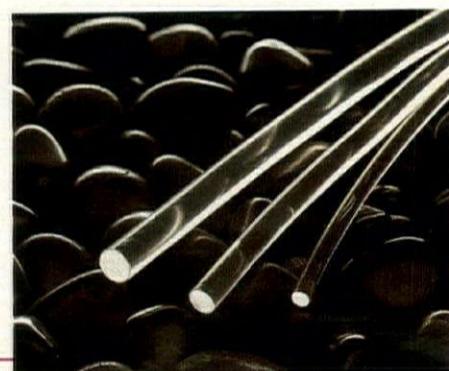
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**Venture Lighting's MagiCore** large-core fibers are used with the company's Imagine line of fiber-optic lighting. MagiCore endlight cables are available with outer diameters of 5, 8, 9 or 16 mm. and can be used for indoor and outdoor applications and multiple lighting from a single light source. They are also suitable for inaccessible or hazardous locations and have a high heat tolerance, but emit no IR or UV light. **Circle No. 197**



From **Cooper Lighting's Optiance** brand, Paver in-ground fixtures feature a rugged plastic housing with a frosted, tempered-glass lens and can be mounted within various paving-stone configurations, concrete-pour or wall-stone applications. Illumination is provided by Optiance Endglow cable. Lamp replacement takes place at a remote illuminator equipped with a HID lamp. **Circle No. 198**





From **High-Lites**, Weathergard 626 features two fully adjustable halogen spotlights and a rounded housing made from corrosion-resistant, high-impact polycarbonate and finished in metallic gray with black trim. A snap-on removable cover provides access to internal parts. A sealed battery inside the housing yields up to 90 minutes of continuous light, meeting state and local safety codes when normal electrical service is interrupted. A recharger automatically restores the battery to full available power within 24 hours of electrical current restoration. Diagnostic self-test feature is optional. UL-listed **Circle No. 206**

Standard models for **Crescent Lighting's** Eclipse edge-lit LED exit signs are single-face clear and double-face clear (mirrored backing to simulate clear). Signs are available for recessed mounting with a choice of faceplates or surface mounting with a low-profile housing in black or optional white or brass finish. The exit stencil panel is high-impact clear acrylic with UL-standard lettering in red or green. For emergency operation, the units are equipped with a sealed nickel-cadmium battery. The battery charging system features low-voltage disconnect, AC lockout, brownout protection, AC indicator LED and test switch. **Circle No. 207**



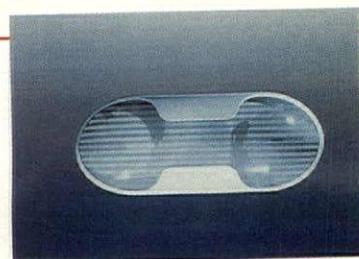
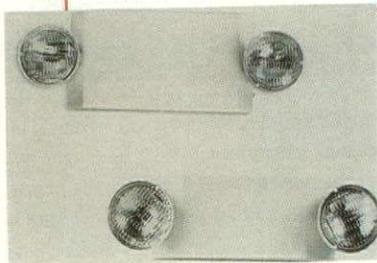
Extreme exit signs from **Lithonia Lighting** are now available with a universal mounting option, allowing for the on-site choice of top, back, conduit or end mounting. Extreme is constructed of rugged cast aluminum and shielded by a thick, UV-stable polycarbonate cover secured by stainless-steel tamper-proof screws. The signs are illuminated with LEDs and powered by nickel-cadmium batteries. Neoprene gaskets provide a watertight seal on wet-location versions. A cold weather option ensures reliability at -40 degrees Celsius. **Circle No. 208**



From Cooper Lighting's **Sure-Lites**, CC-7 and CC-8 emergency lights are crafted from flame-retardant, impact-resistant polycarbonate in a non-glare white finish. Both units are equipped with FasTest photocell test switch for code-compliant monthly tests. A laser pointer accessory verifies the proper operation of the transfer circuit and emergency lamp. Line-latched electronic circuitry and snap-together components facilitate installation and glare-free lenses are horizontally and vertically adjustable. Other features include dual PAR36-type, 12V, 12W lampheads, solid-state transfer/charger, sealed lead-calcium battery, overload and short-circuit protection, brownout circuit and low-voltage disconnect. **Circle No. 210**

**Day-Brite Lighting's** 65-line mcPhilben emergency light features an approved class-3a laser option, which provides a 40-ft. beam to direct occupants to exits during power outages and in dense smoke. In addition to the laser, the fixture is equipped with two 5W halogen lamps and sports an injection-molded housing that protects against vandalism and moisture from sprinkler systems. The laser can be mounted to either end of the fixture. **Circle No. 211**

**Ruud Lighting's** redesigned Combination Emergency Light/Exit Sign (EMX Series) features red or green letters lighted by LEDs and emergency lights that use two 6V, 5W MR16 halogen lamps. Housings and adjustable heads, formed of UV-stable, high-impact and flame-retardant thermoplastic, are offered in black or white. Chevron arrows are removable. Knock-outs facilitate top, end or back mounting. A mounting canopy is included. A constant-current, solid-state charging unit with surge protection maintains the lead calcium battery. Automatic brownout protection switches the sign to battery operation when AC voltage drops below 80 percent of nominal. ETL-listed. **Circle No. 209**



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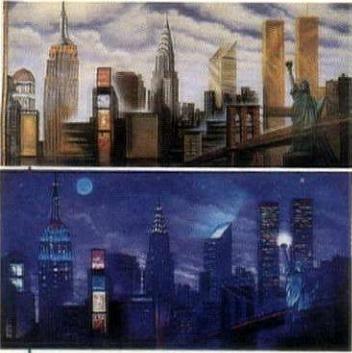
iColor Fresco from **Color Kinetics** is a digital cove light designed to bring color and color-changing lighting effects to both indoor and outdoor architectural installations. Part of the iColor series, Fresco is housed in rugged aluminum for use in wet and damp locations and is available in 4-, 2- and 1-ft. lengths. The fixture projects a soft-edge beam of light at a 100-degree beam angle, and 15-degree angle indicators make multiple light alignments consistent. Its built-in intelligence runs an assortment of pre-programmed lighting shows via onboard switches and can be varied by speed, direction and saturation. It can also be externally controlled by industry-standard DMX512 controllers, PCs or the company's own line of controllers. **Circle No. 212**



The T-Series product line from **Brightline** is comprised of recessed ceiling, fluorescent task lights that transform into multi-directional, drop, tilt and swivel broadcast-quality image enhancers. Specially designed to accommodate ceiling heights of 8 to 30 ft., the energy-efficient T-Series system is suited for low-profile, drop-ceiling broadcast environments in addition to videoconferencing, distance-learning, telemedicine and architectural applications. The T-Series offers non-dim, phase control or DMX dimming capabilities with single and/or multiple axis rotation. **Circle No. 213**



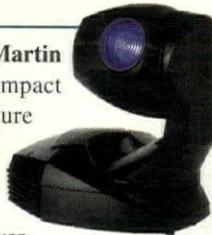
The Irideon AR50 interior wash luminaire from **ETC** uses DL-50W lamps (3,000-hour-long lamp life) and boasts over 50-percent increase in light output, according to the company. Designed for architectural applications, the AR50 offers a computer-controlled, dichroic color changing system, automated pan and tilt and an optional diffuser or douser mechanism. The radial color-changer features dichroic filters to produce smooth color crossfades throughout the entire color spectrum. Replaceable lenses provide a wide range of beam spreads and automated beam control—available via diffusion or dousing time-variable adjustments. The douser mechanism provides dynamic full-field dimming of beam intensity. **Circle No. 214**



**UV/FX Scenic Productions'** Outdoor Scenic System uses the company's Day to Night and Dual Image styles to allow for custom-designed and painted scenery of any size to be used outdoor and in inclement weather conditions. The art is painted onto light-weight Flex-Face Vinyl and

illuminated with UV light to produce the various UV/FX scenic styles of Day to Night, Dual Image, Complete Invisible and 3-D scenic art. Here, the outdoor system is used at The View, a New York City Chelsea-district bar. **Circle No. 215**

The MiniMAC from **Martin Professional** is a compact automated yoke fixture suited for a variety of applications. The MiniMAC moving head fixture is offered in two versions: the Profile spot, which features 12 colors and seven rotating and replaceable projection patterns; and the MiniMAC Wash, an all-purpose fresnel color changer with a bright yet soft, undefined beam featuring 12 colors. **Circle No. 216**



The LowelScandles light from **Lowel-Light Mfg., Inc.** is a multi-tasking fluorescent fixture designed for quick selection of light size and quality by a quick change of accessories. LowelScandles provides



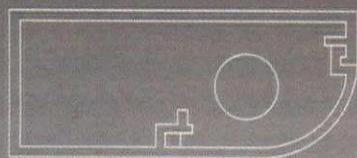
200W daylight or tungsten-balanced illumination from eight 24W lamps, switched in pairs for quickly variable output. The fixture boasts a high efficiency output of 220 fc at 5 ft. when used with its supplied Collapsible Front Reflector. It can also use eight 18W (17-in.-length) compact fluorescent lamps. **Circle No. 217**

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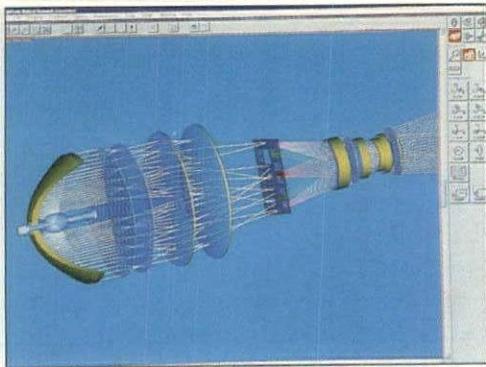
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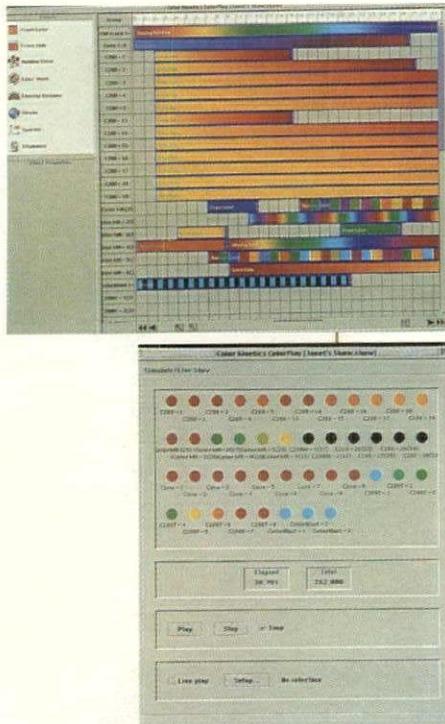
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**Optical Research Associates'** LightTools Version 3.0 utilizes the OpenGL rendering engine to deliver more realistic 3D rendering capability, increase display speed and take advantage of hardware acceleration provided by OpenGL-compliant graphics adapters. Improving the software's scattered light modeling capabilities, Version 3.0 can

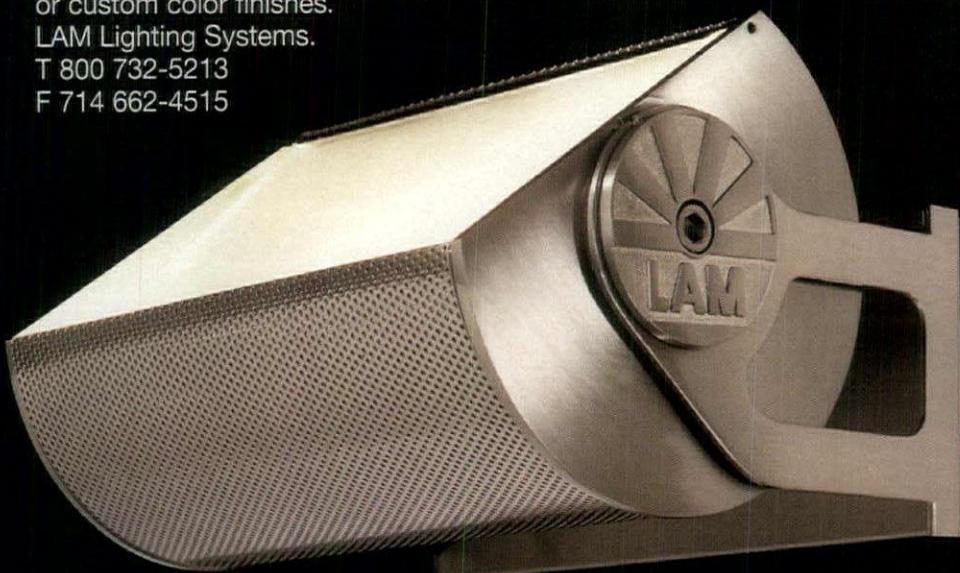
import measured bi-directional scatter distribution function data for a surface. This data can be used to model rotationally symmetric scatter or to fit to an elliptical gaussian function to model anisotropic scatter. The speed and accuracy of scatter analysis have been further enhanced by the implementation of "aim areas" and "aim cones." **Circle No. 218**

From **Lighting Analysts**, AGI32 lighting design and rendering software is a 3D lighting analysis program that produces full-color renderings and predictive lighting system calculations for interior and exterior lighting design projects. The software also incorporates a library of lighting products from lighting manufacturers that can be readily included in the design. Pictures and photometric data can be displayed for each product and users can locate and edit the fixtures, both graphically and tabularly. **Circle No. 219**



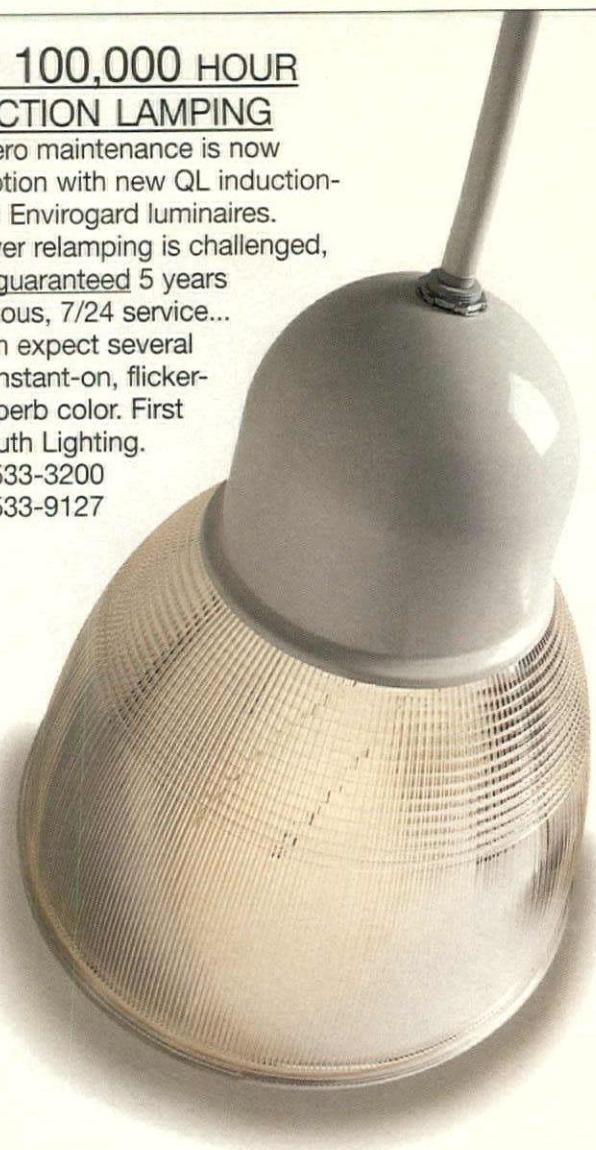
ColorPlay from **Color Kinetics** is a graphically-based design software targeted at first-time users who want to create light shows. The software offers drag-and-drop, effects-based design, drag-and-drop mapping capabilities, real-time show preview capabilities and full show output to storage functions. Users can map out their installation, selecting from a variety of icons representing specific Color Kinetics lighting fixtures, and place them on a layout grid. A grouping function allows users to set the same effect for multiple lights in an installation. Other features include a graphic timeline-based show management system and priority assignment functions. **Circle No. 220**

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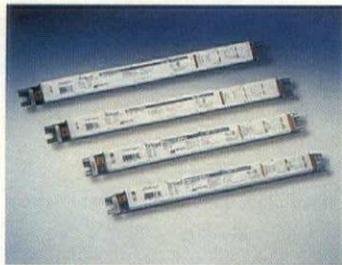


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**Osram Sylvania's** Tru-Color lamps are available in every major product line, including fluorescent and compact fluorescent, HID and halogen. The Tru-Color family consists of lamps that provide stable, reliable color and excellent color-rendering properties. The lamps provide lamp-to-lamp color consistency and minimal color shift over time for a variety of applications. The Tru-Color Metalarc Ceramic family of metal halide lamps combines the attributes of conventional pulse-start technology with a "bulgy" ceramic arc-tube design. This new design delivers improved reliability and performance over a cylindrical arc-tube configuration, according to the company. The Octron 800 XP Ecologic extended-performance T8 fluorescent lamps have a CRI of 84 and provide 20-percent longer life, higher initial and maintained lumens. The Octron XPS Ecologic extended-performance super fluorescent lamps have an 86 CRI and when operated on dedicated Quicktronic PSX programmed rapid-start electronic ballasts, form a lighting system that provides comparable light output with twice the lamp life of standard T8 systems. The Tru-Color Tru-Aim IR and Titan low-voltage MR16 lamps are manufactured with a hard-coated dichroic reflector that provides consistent color over the life of the lamp and transmits heat through the back of the lamp. Capsylite halogen PAR lamps provide a crisp, white halogen light. The Capsylite SPL family offers a new halogen lens/reflector optical system with superior beam control and sharp cut-off as well as providing consistent uniform performance from lamp to lamp. **Circle No. 227**



**MagneTek's** ThinLine T5 and T5/HO high-efficiency electronic ballasts feature a thin profile (1 in.) and are designed for one- and two-lamp operation with models available for T5 and T5/HO lamps ranging from 14W to 54W. T5 and T5/HO applications include indirect, pendant-mount, wall-mount and surface-mount, cove, undercabinet and task lighting. Features include end-of-lamp-life shutdown circuit with auto reset when replacing lamps; less than 10-percent THD; and programmed start technology for maximum lamp life. **Circle No. 228**



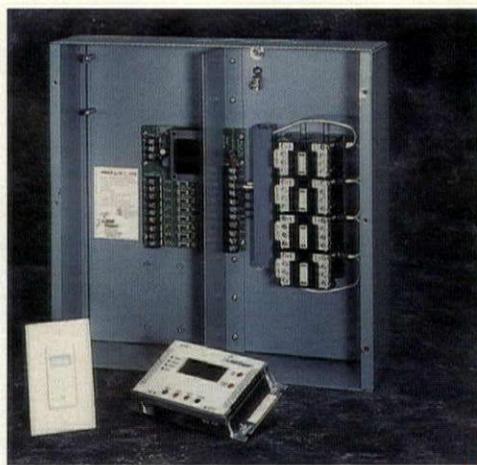
**Venture Lighting** adds a 125W lamp to its family of Uni-Form pulse-start products. With 12,000 initial lumens, rated life of 15,000 hours and a color temperature of 4000K, the lamp is an alternative to the traditional 175W universal metal halide lamp, offering energy savings and less heat. This E26-based version also gives more light than the 100W lamp and better mean lumens than the 175W medium-base probe-start lamp. Ballast options include a 277W and 480W energy-saving reactor, as well as a quad-tap and tri-tap CWA ballast. **Circle No. 229**

**GE Lighting's** new ConstantColor CMH lamps are suited for applications where color and efficiency are essential. These lamps provide a crisp, white halogen-like light that results in dramatic accents and highlights and offers excellent color rendering (80+ CRI). Suited for retail and accent lighting as well as ceiling fixtures, CMH lamps have minimal lamp-to-lamp color variations and stable color throughout life. The lamps feature a three-piece arc-tube design, allowing for a 96-percent survival rate at 4,000 hours and offer up to a 12,000-hour lamp life (five times longer than incandescent sources), according to the company. **Circle No. 230**

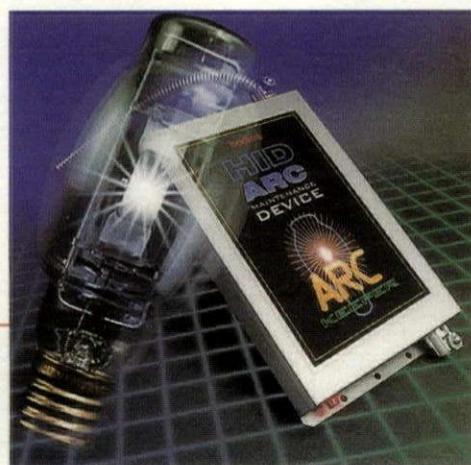


**GE Lighting's** 24V family of halogen lamps offers lower installed costs, improved system performance and increased reliability, according to the company, by combining technologically advanced fixtures with GE Lighting's 24V lamp options, including ConstantColor Precise

MR16. The 24V system is suited for a variety of applications including displays, wall washes, undercabinet lighting, strip lighting and task lighting and accepts high-wattage loads, permitting a longer length system with a greater number of lampholders. **Circle No. 231**

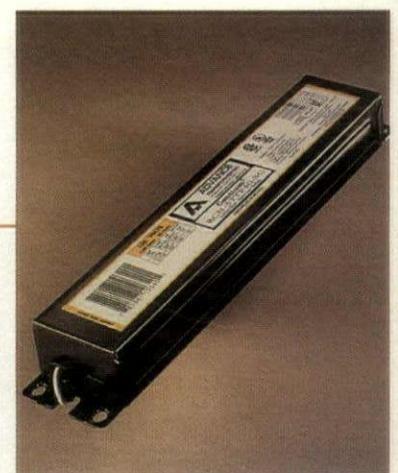


Basic Control, a new product family in **The Watt Stopper's** control panel product line, offers effective, economical automated control for simple exterior and interior lighting control applications, according to the company. Basic Control products offer control solutions for energy management and code compliance in a system that simplifies design, installation and operation. Features include a UL-listed panel pre-assembled with multi-pole contactors, multiple channels for controlling lighting groups individually and time-scheduled, astronomic or photocell-based control methods. **Circle No. 232**

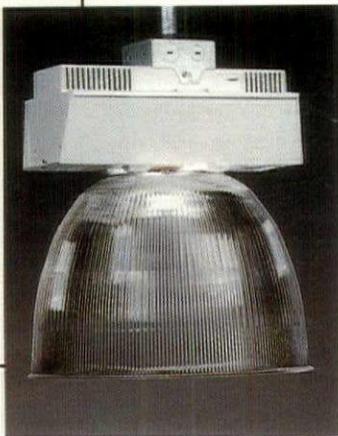


HID lamps are sensitive to very small line-voltage waveform disturbances. The lamp arc is extinguished if power is absent for as little as 4 milliseconds. It may then take up to 15 minutes for the lamp to restrike and recover. The ARC Keep HID Arc Maintenance Device from **Bodine** eliminates this lamp downtime. The unit detects a disturbance, responds and assumes control of the arc within 2 milliseconds, enabling the arc to ride through the disturbance without extinguishing. **Circle No. 233**

The Centium line of electronic ballasts from **Advance Transformer Co.** includes models designed for the operation of 40W long twin-tube fluorescent lamps. Ballast models are available for Instant Start/Parallel Circuit operation of one, two or three lamps at 120 or 277 input voltages. The ballasts feature Advance's "small can"-size configuration, which reduces ballast width and height to facilitate lower-profile fixture designs while maintaining the standard ballast mounting footprint of 9 1/2 in. **Circle No. 234**



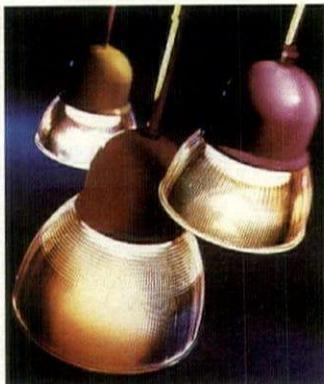
**Ruud Lighting's** EZ Bay Prismatic Reflectors (ZAP and ZAR Series) produce horizontal and vertical illumination and are available in 16-in. and 22-in. sizes. Included with the fixture, the lamp is offered in wattages of 200 to 450 for pulse-start metal halide and 400W for probe-start metal halide. The Energy-Saving Ballast for 277V is available as well as the Constant Wattage Autotransformer Ballast. The ballast housing is die-formed steel protected by a white DeltaGuard finish, which carries a seven-year warranty. The housing is vented and has built-in handles. Lens enclosures are available. **Circle No. 221**



**Holophane's** Industrial Fluorescent brochure focuses on solutions for specific applications, including task lighting for benchwork, machinery and tables; illumination for high- and low-bay manufacturing areas; and lighting for warehouse high stacks, low stacks and shipping and receiving. Products featured include focus beam SS fixtures for energy efficiency, the ST Series for lighting high stacks, the IS Series for reduced fixture numbers and the OG fluorescent open-grid troffer for vertical illumination. **Circle No. 222**



**Lithonia Lighting's** Acrylume Series is comprised of acrylic high- and low-bay fixtures available in a variety of sizes for higher and lower mounting heights. **Circle No. 223**



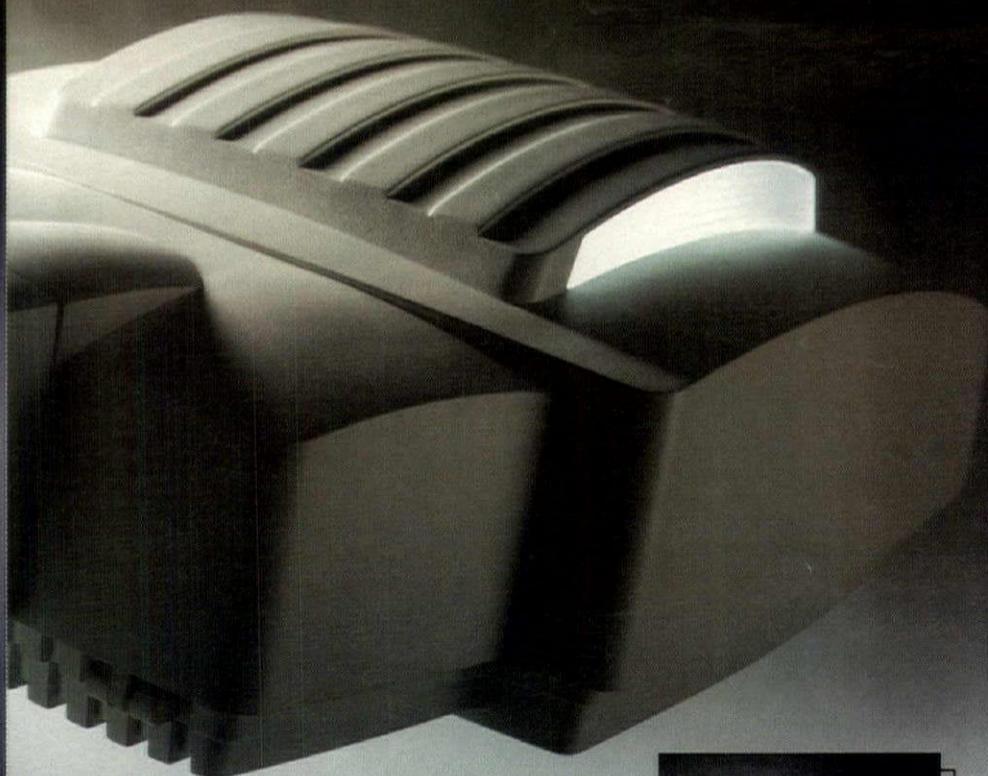
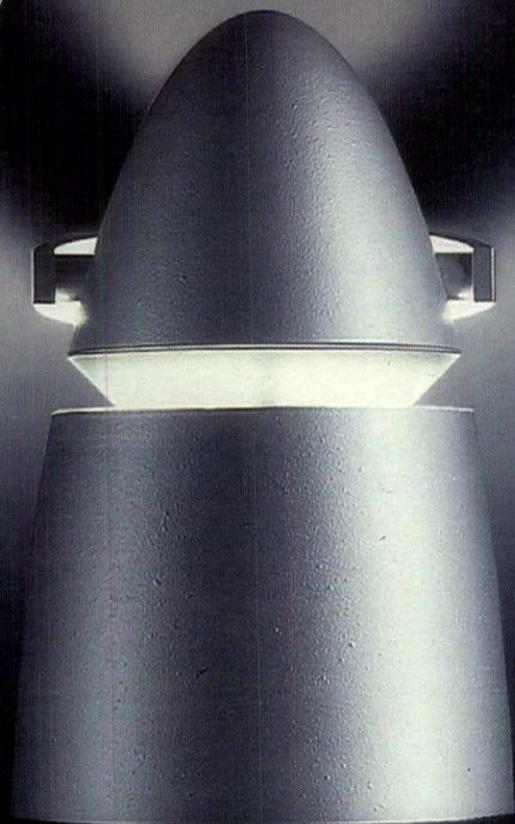
From **Guth Lighting**, the Enviroguard Low Mount fixtures are available in four sizes, three finishes, more than 200 colors, eight computer-enhanced reflector designs and more than 16 HID, fluorescent and incandescent light-source options. Reflectors are flared, non-yellowing durable prismatic acrylic or spun aluminum. Safety-listed for indoor damp, outdoor wet, high-pressure hose-down and by the National Sanitation Foundation International, fixtures emit up to 25-percent ambient uplight and can operate at continuous ambient temperatures of up to 55 degrees Celsius. Construction materials are rust- and corrosion-resistant. **Circle No. 224**

**Day-Brite Lighting's** Industria 4 is an enclosed high-bay fixture that features an adjustable inner reflector and produces 5 to 18-percent uplighting at low, medium and high levels. Lamping options range up to 1000W for a variety of both metal halide and HPS sources in a 17-in. enclosed optical system. To maximize the use of the Industria 4, high-bay ceilings should be 15 ft. or higher. **Circle No. 225**

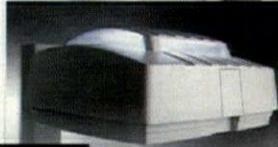


Kaleidoshade vaportight fixtures from **Exceline** feature a precision die-cast aluminum electrical enclosure, heat- and shock-resistant prismatic glass optical chamber with neoprene gasketing and corrosion-resistant Duraplex II powder-coat finish. Fixtures use metal halide, HPS, compact fluorescent and incandescent lamps in a range of wattages. A clear, prismatic glass globe is standard, providing symmetrical illumination and approximately 40-percent uplight. C/UL-listed for indoor and outdoor use. **Circle No. 226**

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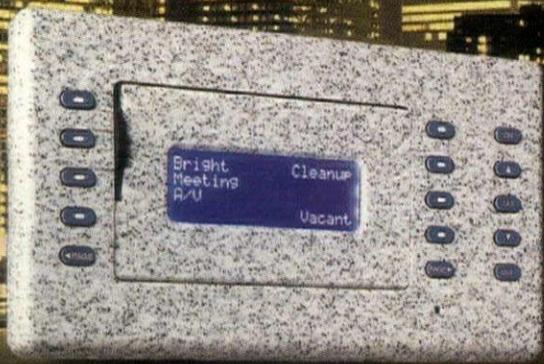
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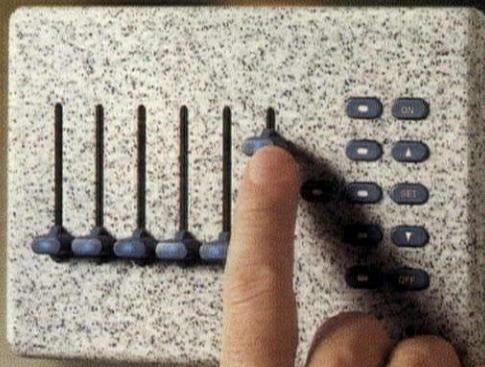
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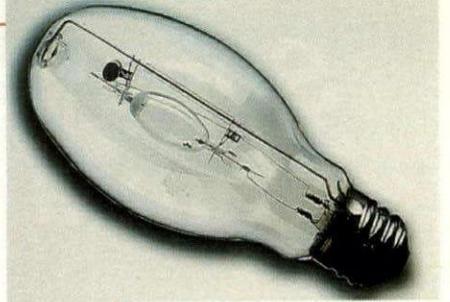
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**Bodine's** high-lumen, specification-grade, UL-listed LP600 fluorescent emergency ballast is the newest member of the company's Low-Profile FEV Series. The LP600 converts standard or high-output T5 and T8 fixtures into unobtrusive emergency lighting. The ballast, in emergency mode, operates one lamp for a minimum of 90 minutes with up to 1,325 lumens initial emergency light output. **Circle No. 235**

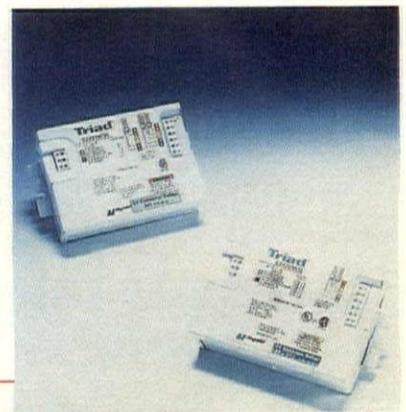
The newest Uni-form pulse-start metal halide product from **Venture Lighting** is the 300W lamp, an alternative to the traditional 400W pinched-body lamp. With 24,400 mean lumens, the new lamp gives 1,000 more mean lumens than the standard 200W. It also saves up to 135 system watts compared to old-technology lamps for energy savings, according to the company. The lamp is available in enclosed-rated and open-rated UV Shield versions and is the company's first product to feature tipless technology for color uniformity that, according to Venture, is equal to ceramic metal halide. **Circle No. 236**



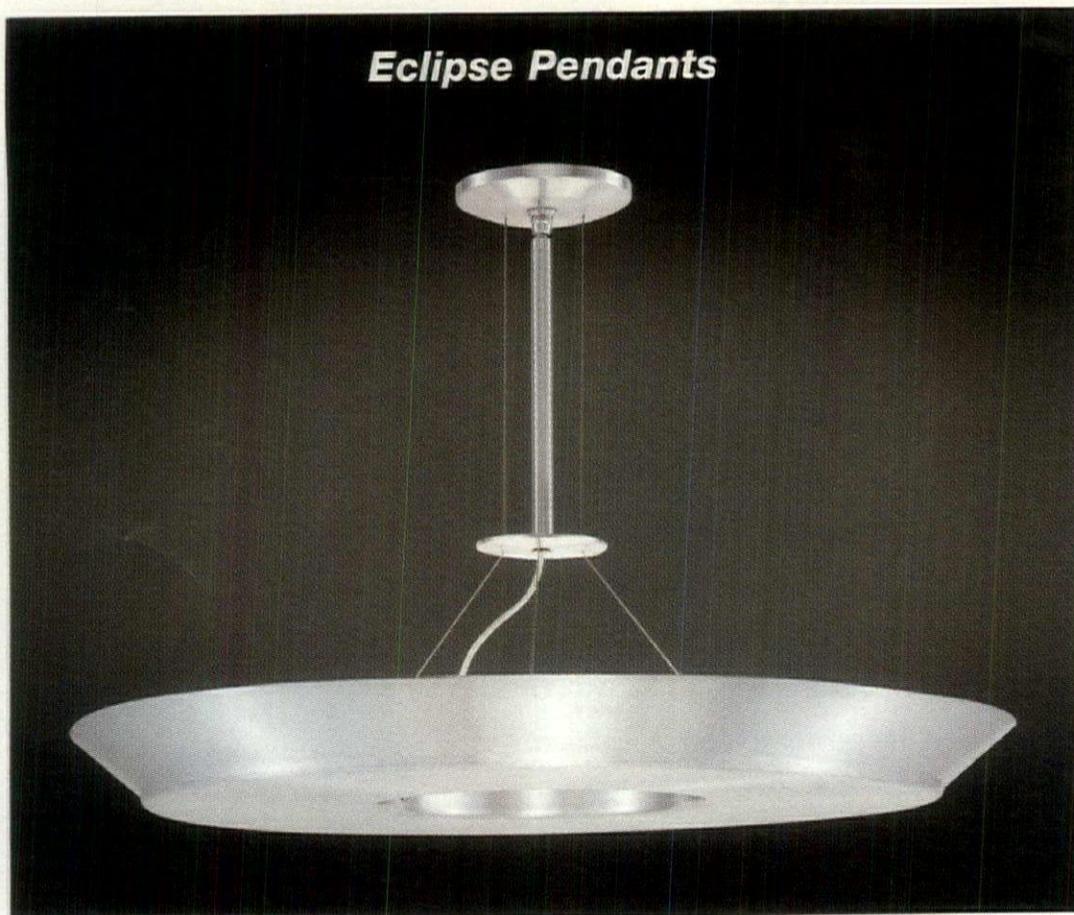
**GE Lighting's** HIR XL Ultra Life PAR lamps last 6,000 hours—three times longer than a standard halogen PAR. The lamp is available in three wattages—45W, 55W and 90W—as well as 12- and 40-degree beam spreads. **Circle No. 237**



**Philips Lighting Co.'s** Alto Universal T8 fluorescent lamps offer a full-rated life of up to 20,000 hours (or 24,000 hours for Plus and Advantage lamps) on all T8 ballast types, including instant-start, rapid-start, programmed-start and hybrid ballasts. Switching to Alto Universal T8 lamps can defer lamp replacement and labor costs by up to 15 months, and money savings can reach upwards of \$2 per lamp, according to the company. **Circle No. 238**



**MagneTek** has expanded its electronic ballast family for compact fluorescent lamps to include a 347V ballast for new fixtures or replacement retrofits in high-wattage applications. The C242/347 is designed for flexibility in downlighting, architectural and outdoor applications. The C242/347 operates: one or two 42W multi lamps; two 40W circular T5 lamps; two 36W long twin-tube lamps; two 32W triple lamps; two 28W 2-D lamps; two 26W quad lamps; two 24W long twin-tube lamps; two 22W circular T5 lamps; and one 22W circular T5 lamp and one 40W circular T5 lamp. **Circle No. 239**

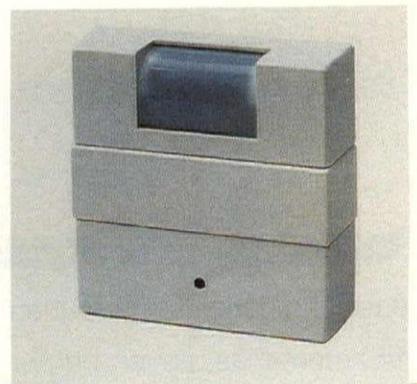


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**Solatube International Inc.** and **The Watt Stopper** have formed a strategic alliance to provide lighting controls to maximize energy savings. The new day-light harvesting controls can be added to the building occupant's electric lighting system to ensure that the electric lights are turned off when Solatube tubular skylights are at optimal output, resulting in a decrease (and even elimination) of energy consumption for lighting, as well as a significant reduction in cooling costs. The LightSaver LS-100 Controller is a self-contained, solid-state, low-voltage, ceiling-mounted light level sensor. **Circle No. 240**



Ushio introduces the new family of Ultra 8 fluorescent lamps. The T8 fluorescent lamps can reduce energy costs and time with savings of up to 40 percent providing an economical as well as environmentally responsible alternative to standard T12 fluorescent lamps. Recommended applications include lighting for: retail stores, hospitals, office interiors, bank lobbies, auto showrooms, restaurants, factories and schools. Ushio's full range of T8 fluorescents are available in 17W, 25W and 32W with color temperatures ranging from 3000K-5000K. **Circle No. 241**



**SLI Lighting Inc.'s**  
Crystal-Lux halogen

lamp is an indoor halogen BR floodlamp in a soft glass shell, offering pure white light, energy efficiency and long life, plus soft, uniform light distribution. Crystal-Lux is available in the BR30 style and in BT15s and G25s as well. According to the company, energy savings are significant: the Crystal-Lux 60BR30 FL 120V delivers the lumens of an 85W incandescent flood from only 60W. **Circle No. 244**

The Pro Power Supply is a lighting power unit manufactured by **Adaptations Company** for powering low-voltage lighting systems. The Pro Power Supply is offered in a variety of load capacities, of which the maximum capacities are 1000VA at 12V and 2000VA at 24V. The Pro Power Supply offers many control features for low-voltage lighting performance. **Circle No. 242**



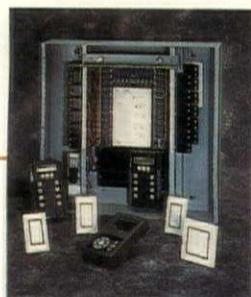
Lutron has introduced a new line of master controls for its RadioRA Wireless Whole House Lighting Control System that feature raise/lower capabilities. The new master controls allow users to turn lights all on, all off, or to preset light levels at the touch of a button from anywhere in the home. **Circle No. 243**

The new T8 Ultra Watt-Miser from **GE Lighting** offers energy savings without loss in performance. This energy-efficient product operates at 30W yet offers the same light output and long life as standard T8 lamps, according to the company. Incorporating GE's Starcoat technology, the new T8 Watt-Miser offers an 82 CRI and ensures optimum color and light output. **Circle No. 245**



Employing digital ballast technology, **Tridonic** will offer its 1-100-percent dimmable PCA ballasts for a range of T5, T5/HO, T8, TCL bi-x and compact fluorescent lamps. Benefits include smoother lamp dimming and stable lamp performance throughout control range for all applications; and using an addressable ballast feature simplifies project design, facilitates fixture to fixture wiring, reduces control wiring and reduces installation costs. **Circle No. 246**

**LCD Lighting, Inc.** produces sub-miniature (2-mm. diameter) to T5, T8 and T12 (38-mm. diameter) lamps in any shape up to multiple-bend serpentine in any length and color. For example, Shell Oil achieves illuminated rounded corners on its Red Bar raised gas station canopies with custom T8 fluorescent lamps. LCDL bends each lamp to match the 8-in. corner radius. **Circle No. 247**



The new Smartwired Control product family from **The Watt Stopper** offers control solutions for energy management and code compliance in a system that simplifies design, installation and operation. The system offers flexible control without the need for PC-based administration or extensive hardwiring. Features include a low-voltage switching platform, central panel intelligence, dataline communications and "smart" switches. **Circle No. 248**

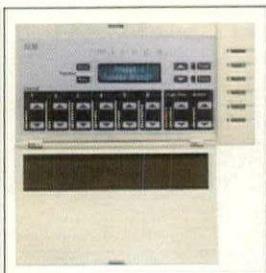
## 2-CIRCUIT TRACK SYSTEM

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**ALM Systems**

Architectural Lighting Management (ALM) introduces Mirage5000 digital dimming control station. DMX512, up to 96 channels and 24 preset capability and fully programmable at the factory, on site or using a laptop. It is panel-mounted in a standard 4-gang masonry box and needs only four low-voltage wires to connect to the dimmer cabinet. Master, preset and entry stations are also available. It is housed in an aesthetically pleasing enclosure. For more information, phone (888) 446-9137 or visit [www.almsys.com](http://www.almsys.com). **Circle No. 41**



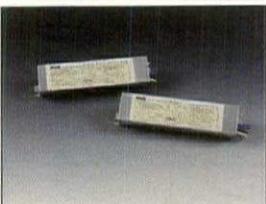
**Charles Loomis**

Scala, a fashionable new design by Charles Loomis, Inc., is sophisticated and contemporary with a touch of whimsy. Available in two configurations with etched opal acrylic, off-white linen or Aramid diffusers. Scala is offered with fluorescent or incandescent lamping. Scala is UL-listed and ADA-compliant. Contact Charles Loomis, Inc. at (800) 755-0471 for information. **Circle No. 47**



**Aromat Corp.**

Aromat announces its new "Slim Lite" metal halide electronic ballasts. These streamlined ballasts allow manufacturers to build smaller, more aesthetically pleasing fixtures. "Slim Lite" ballasts come with all the features and benefits of Aromat's "standard" ballasts. Slim Lite ballasts are available for 39W and 70W applications. For more information, call Aromat at 1-888-4AROMAT. **Circle No. 42**



**D'ac Lighting**

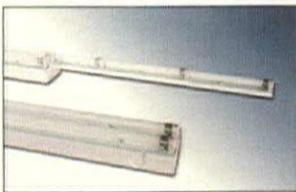
Handkerchief ADA-compliant wall sconces and ceiling fixtures provide diffused ambient light for commercial and upscale residential interior corridors, reception areas, retail venues and dining rooms. Shades are 28 in. corner-to-corner, mounted squarely or diagonally. Illumination options are a single 28W, double-D 4-pin or 10Q 4-base fluorescent lamp. UL- and CUL-listed. Colors: brilliant red, white, green, blue or yellow acrylic shades with opal interiors. Custom colors may also



be specified. Contact D'ac Lighting at 420 Railroad Way, Mamaroneck, NY 10543; phone (914) 698-5959; fax (914) 698-6061; or visit [www.daclighting.com](http://www.daclighting.com). **Circle No. 48**

**Bartco Lighting**

Bartco Lighting introduces the adjustable staggered Slide By Side fluorescent fixture. Offered for T5 and T8 linear fluorescent lamps, the design is a two-lamp linear fixture that can be adjusted to various lengths, still providing a continuous glow. The Slide By Side offers an extensive number of variations from 0 in. to 20.5 in. for the 4-ft. T8 model and 0 in. to 21 in. for the nominal 4-ft. T5 model. **Circle No. 43**



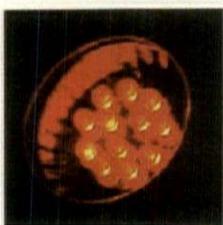
**Davis/Muller**

Davis/Muller introduces round 2210 and square 2215 Series of surface-mounted fixtures. ADA-compliant depths make them appropriate for wall or ceiling mounting. Each with a subtle sealed spill-light, these simple geometric designs are offered in three sizes and several lamping options. Polished, satin and painted finishes available. See our back cover ad and visit us at [www.davismuller.com](http://www.davismuller.com). **Circle No. 49**



**Boca Flasher**

Boca Flasher is proud to introduce its newest LED lighting fixture: the 12V MR16 replacement lamp. A great alternative for many applications where heat generation and power consumption are design-influencing factors. Boca offers The MR16 in red, blue, green, amber and white along with a color-changing version that runs through a rainbow of colors in a continuous loop. The MR16 is presently available in a 12- or a 24-LED version with optional beam angle and color temperature selections possible. For information on this and many other exciting Boca Flasher LED products, please visit [www.bocaflasher.com](http://www.bocaflasher.com). **Circle No. 44**



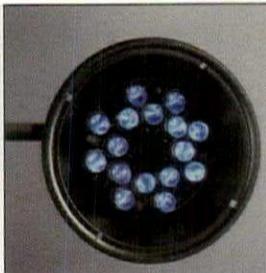
**ETC**

The ETC Irideon AR6 interior recessed luminaire brings dynamic color and pattern-changing capability to interior design. Its automated beam positioning subtly highlights, selects and colors the details in a room. And the beauty of the AR6 luminaire is that it blends unobtrusively into any setting, allowing the light—not the fixture—to become the real element of beauty. Call (608) 831-4116 for more information or visit [www.etcconnect.com](http://www.etcconnect.com). **Circle No. 50**



**Bruck Lighting**

Bruck Lighting Systems introduces the arrival of the Orion M Series with LEDs. Upgrade your MR16 display lighting system with the Orion M Series lamp, which offers a variety of static colors—amber, green, blue, red and white—and up to 100,000 hours of lamp life. **Circle No. 45**

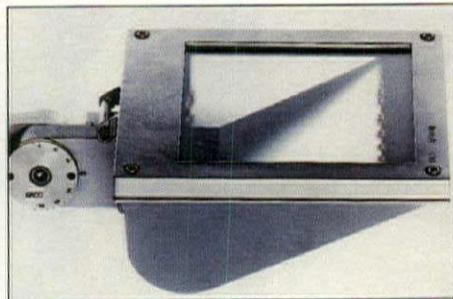


**Erco Lighting**

Lightscoop by Erco

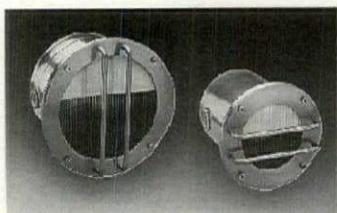
For more information: visit [www.ercolighting.com](http://www.ercolighting.com)

**Circle No. 51**



**C.W. Cole**

Cole Lighting offers a complete line of Steplites featuring incandescent, fluorescent and HID sources. The choices of sizes, shapes, finishes and styles are sure to provide the solution for any architectural condition. The two models illustrated feature stainless-steel construction and several options for lenses and guards. Steplites may also be used as the starting point for custom-designed fixtures. **Circle No. 46**



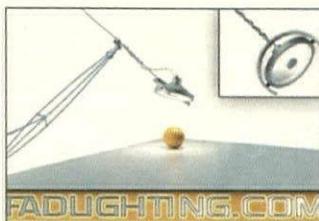
**Exceline**



Taking a classic vaportight-style fixture and adapting it to suit today's modern style decor, Exceline's Kaleidoshade Series offers both sleek styling with superior functional lighting. Traditional shades, contemporary looks and classical styles; this family of fixtures fits most any application. Various designer finishes are available for these pendant-mounted fixtures, as well as a variety of colored globes. All of these options make these fixtures easily suited to most decorative schemes. Exceline's Kaleidoshade Series can be installed and mounted easily for both new and retrofit applications. For more information, phone (800) 334-2212. Lightfair booth 1415. **Circle No. 52**

## F.A.D. Lighting

"Yes!" The new architectural task and wall fixture from Delta Light by FAD Lighting. FAD specializes in high-end contemporary architectural and decorative lighting for commercial and residential use. Contact us to request our extensive 1,500-page catalog of indoor and exterior lighting fixtures. Contact FAD Lighting at (954) 677-9800 or visit [www.fadlighting.com](http://www.fadlighting.com). **Circle No. 53**



## Leucos

Designed by architect Carla Baratelli, Sail40/Sail63 showcase a fresh, new outlook for the Leucos collection, including use of the latest compact fluorescent lamp technologies. Sail is unique/exceptional in the fact that it is inspired by the concept of "dress the light." Dual light sources provide upward and downward illumination. The Sail 40 (16 in. long) uses 2 x 24W (4-pin) lamps, while the Sail 63 (25 in. long) uses 2 x 55W (4-pin) lamps. Glass with metal in painted gray titanium. Lightfair booth 404. **Circle No. 59**



## Focal Point LLC

Slide (shown) and Smile, imported from European design leader Regent Beleuchtungskörper AG, Basel Switzerland. Designed by Ayal Rosin (Slide) and Renato M. De Toffel (Smile), both offer a unique aesthetic when looking for alternatives to the generic norm. These new indirect/direct fixtures are intended primarily for conference rooms, lobbies and private offices, but also perform well in large, open environments. Go to [www.focalpointlights.com](http://www.focalpointlights.com) for more information. **Circle No. 54**



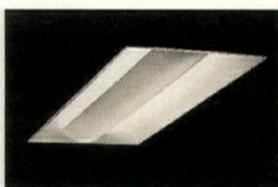
## Leviton Mfg. Co.

Leviton's Dimensions architectural lighting controllers provide highly scalable, networkable lighting control solutions that fit a wide range of requirements—from "no-frills" controls to controls that sport a distinctive Corian finish to lighting control consoles for theatrical lighting. **Circle No. 60**



## Focal Point LLC

Luna (shown) and Skylite, recessed indirect fixtures from Focal Point. With elegant looks, advanced engineering and superior fit and finish, they minimize glare and soften shadows for a comfortable working environment. They're less costly than suspended indirect, are available in a variety of configurations and ship in as little five days with Focal Point's new quickship program. For information, go to [www.focalpointlights.com](http://www.focalpointlights.com). **Circle No. 55**



## Lighting Services Inc

The MT6 series is an exciting new family of high-intensity accent lighting fixtures. Based on the extremely efficient T6 ceramic metal halide lamp, this innovative spotlight features a computer-designed, highly specular reflector to achieve exceptional levels at long distances. These units are ideal for applications such as: malls, stores, hotels, schools, exhibitions and museums (sculpture and non-organic objects). **Circle No. 61**



## Gardco Lighting

Fascia Plates turn the architect's pen into brushstrokes of light—light that turns ordinary facades into landmarks. Light that can subtly or dramatically—and even colorfully—bring dark buildings to life. This is light to wash, identify and instinctively draw the eye to signature properties. Visit our website at [www.sitelighting.com](http://www.sitelighting.com). **Circle No. 56**



## Martin Professional

The Martin Exterior 200 is a conveniently compact and powerful 150W, short-throw, CMY color changer in a beautifully designed weatherproof housing (IP-65 rated). Designed for outdoor use, its asymmetrical wide-throw flood beam makes it perfect for applications where projection distance is limited. **Circle No. 62**



## Hatch Transformer

Hatch electronic HID ballasts optimally operate ceramic metal halide lamps from 39W to 150W and incorporate many leading-edge features such as: Track-mount models; fault protection that shuts down the ballasts in seconds; superior regulation of +/-1 percent in output within all ranges of accepted lamp voltages; and the capability to mount ballasts up to 300 ft. from the lamp. The 100W and 150W ballasts include universal input from 90-300V and are dimmable. Please visit us at Lightfair Booth 2016. **Circle No. 57**



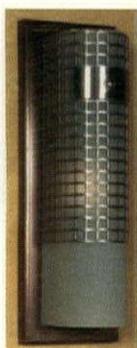
## Nemo Italiana Luce

Designed by Mario Barbaglia and Marco Colombo, Draco is an opal white glass fixture that can be mounted on ceilings or walls. The fixture is accented by a chrome ring and provides excellent general illumination. Available as incandescent or fluorescent. Two sizes: 11-in. diameter and 15-in. diameter. Both sizes are ADA-compliant. **Circle No. 63**



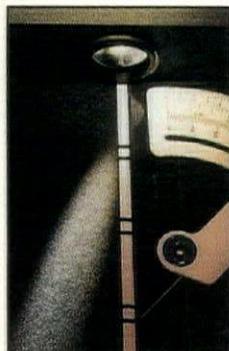
## Johnson Art Studio

We make everything we sell. From contemporary craftsman to original modern designs, our lighting enhances the structural environment of every setting. We offer extensive glass and metal variations. Wall scones, hanging lights, exterior lanterns, bar lights. Fluorescent, incandescent, ADA, wet-location designs. Visit us at [www.johnsonartstudio.com](http://www.johnsonartstudio.com). **Circle No. 58**



## NoUVIR Research

The ultimate fiber-optic downlight from NoUVIR Research. Mounts flush. Aimable up to 15 degrees off nadir axis 360 degrees in azimuth. 10:1 zoom ratio, from 5 to 50 degrees. Pure white, stone cold light with no ultraviolet and no infrared. Perfect color. Perfect control. Spectacular performance. Patent 5,268,977. Call (302) 628-9933 for catalog. **Circle No. 64**



## Orbit North America

Orbit North America Ltd. is proud to introduce a line of breathtaking crystal creation panels from the House of Swarovski for its recessed downlight series. The House of Swarovski is known for its design excellence, innovation and unparalleled crystal quality. We also offer a customizable projection crystal panel for use in restaurants, bars, clubs, corporate offices or retail environments. Housings are available for remodeling, new construction or IC-rated applications. For more information, visit Orbit North America Ltd. at [www.orbitlight.com](http://www.orbitlight.com). **Circle No. 65**



## Sentry Lighting

Sentry Mediterranean Bollard is an ornately decorated bollard incorporating vine and scallop patterns. This distinctive bollard is available in many colors and light sources including metal halide, HPS and compact fluorescent. Ideal for seaside or tropical resort applications. **Circle No. 71**



## Orbit North America

### Bell Pendant

Orbit North America Ltd. features a collection of individually hand-blown, truly artistic glass series for pendant monopoint, cable system or twin- and mono-rail mountings. All glass pieces are available in several finishes, shapes and size. A white interior coating ensures even light distribution throughout the glass, minimizing hot spots. Suitable for project applications within the residential, commercial and hospitality industry. Visit [www.orbitlight.com](http://www.orbitlight.com). **Circle No. 66**



## Sunnex, Inc.

The new SoHo Collection by Sunnex adds style to any home or office. The lights come in a choice of different-size lamp heads, wattage and a variety of colors. The small base takes up very little space, allowing more for documents and other desk accessories. For more information, contact Sunnex at 3 Huron Drive, Natick, MA 01760; phone (800) 445-7869; or visit us at [www.sunnex.com](http://www.sunnex.com). Lightfair booth 2847. **Circle No. 72**



## Osram Sylvania

The Osram Planon lamp is a flat, dimmable, mercury-free discharge light source with uniform, high-luminance output. The unique shape and operating characteristics of the Planon lamp make it an ideal light source for LCD monitors, yielding up to twice the output of conventional hot and cold cathode fluorescent lamp technologies. Planon generates light using a Xenon excimer discharge and has a lamp life of up to 100,000 hours. **Circle No. 67**



## Super Vision International

Super Vision International introduces Flex-LEDs, a linear lighting system designed specifically for custom interior or exterior applications, like cove lighting, building outlines and edge lighting glass. The energy-efficient, low-voltage system boasts a 100,000-hour lamp life. Available in red, clear red, amber, blue-green or white LEDs. For more information, phone (407) 857-9900 or visit [www.svision.com](http://www.svision.com). **Circle No. 73**



## Prudential Lighting

"Miniature size." "Graceful forms." "Outstanding performance." Performance is the driving factor behind these four all new T5 and T5/HO direct/indirect luminaires. With an admirably wide indirect distribution, ceilings appear evenly lit. Downlight is precisely controlled through parabolic louvers and an optional acrylic overlay reduces lamp brightness when T5/HO lamps are used. With a full range of both metal and paint finishes, these graceful forms complement almost any architecture. See us at Lightfair booth 2230. Contact Prudential Lighting at (213) 746-0363 or [www.prlite.com](http://www.prlite.com). **Circle No. 68**



## THHC Lighting

The Xelogen 120V Series is now available in three different base designs: E11, E12 and BA15D base. Xelogen gas-enhanced lamps hold several very attractive benefits: Up to 20,000 hours of lamp life (5,000 hours for 120V); no UV; low-pressured; may be handled with bare hands; and no shielding required. Low-voltage Xelogen lamps are also available in G4, GY6.35, wedge base, festoon and rigid loop socket configurations. **Circle No. 74**



## Schott-Fostec LLC

### Schott Fiber-Optic Lighting

The affordable Easy-Fit Star Kit from Schott offers lighting installers the opportunity to create a dramatic "starry" atmosphere without having to specify and cost a custom system. The kit comes with everything needed to install the system quickly and easily. Great for bathrooms, nurseries, restaurants, nightclubs and much more. Lightfair booth 803. **Circle No. 69**



## Times Square Lighting

The SK75Z is a high-tech Skeletal 75W MR16 pattern Projector. An integral 12V transformer powers the low-voltage MR16 lamp. The SK75Z features a zoom lens system that allows the user to select different beam spreads. A built-in pattern holder will accept either stainless steel or glass patterns. The SK75Z can be track-, surface- or clamp-mounted. Custom patterns can be produced within a week. For more information, contact Times Square Lighting at 5 Kay Fries Drive, Stony Point, NY 10980; phone (845) 947-3034, fax (845) 947-3047, email [info@tslight.com](mailto:info@tslight.com) or visit [www.tslight.com](http://www.tslight.com). **Circle No. 75**



## Se'lux Corp.

QH2 expands the Selux Quadro product family by offering a reduced scaled Quadro with full cutoff optics for HID lamps up to 175W. The 28-in.-diameter QH2 fixture is appropriate for pedestrian-scale mounting. With sealed optics, integral ballasts and a choice of symmetrical or asymmetric reflectors, QH2 can be applied to parking lots, roadway, pathway and front of building applications. Call us at (800) 735-8927 and be sure to visit our website at [www.selux.com/usa](http://www.selux.com/usa). **Circle No. 70**



## Ultralights

The Cygnet Collection features five styles with shapes that include square, rectangular, diamond and cylindrical. The line also features eight designs with motifs including filigree, delicate flower petals and geometric patterns. Cygnet offers 24 custom finishes with patinas of Burled Copper, Verdigris Copper, Burled Brass and Antique Nickel that are actually etched into the metal to achieve a distressed, oxidized finish. The Cygnet Collection features the ultimate in customization, a signature of all Ultralights products. **Circle No. 76**



**Ushio America**

At only 1 in. in diameter, the new MR8 lamps from Ushio allow for even smaller fixture design than competitive MR16 and MR11 lamps. Applications include decorative lighting, accent lighting, display lighting and low-voltage lighting. The MR8s are available in 20W and 35W in narrow and wide beam spreads. For more information on Ushio's line of lamps for general lighting, please contact our customer service department at (800) 838-7446. **Circle No. 77**



**Wendelighting**

New Product

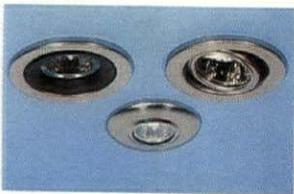
- The first contour HID projector with photo-imaging capabilities. Non-IC Type, 150W, recessed applications.
- Multiple objects individually illuminated by one projector with precision.
- Dramatic lighting for task, logos, art and architectural features.



For more information, contact Wendelighting at 611 West Huntington Dr., Unit A, Monrovia, CA 91016; phone (800) 528-0101; or visit [www.wendelighting.com](http://www.wendelighting.com). **Circle No. 79**

**W.A.C. Lighting**

A manufacturing/design leader of state-of-the-art recessed housings/trims (featuring new "Multiple Recessed Spots") and five innovative track systems including a new "2-Circuit Track System" and a 12V/24V linear system designed for task, accent, cove and general lighting, undercabinet, toe spaces and hard-to-light areas. Also available: miniature fixtures, surface mounts, pendants, rope lighting, Button Lights, display lights, track extensions/suspensions, accessories. Phone (800) 526-2588, fax (800) 526-2858, email [sales@wacighting.com](mailto:sales@wacighting.com) or visit [www.wacighting.com](http://www.wacighting.com). **Circle No. 78**



**Wila Lighting**

Circlet utilizes the new circular T5 fluorescent lamp shielded by radial louvers or diffusers, which is available in 10- and 14-in. diameters. The center-free space can be occupied with low-voltage accent light, security camera, speaker, smoke detector and motion sensor modules to reduce ceiling congestion and create a clean uniform look. Visit us at Lightfair booth 3431. For more information, phone (714) 546-8999, fax (714) 546-8998, email [wila@wila.net](mailto:wila@wila.net) or visit [www.wila.net](http://www.wila.net). **Circle No. 80**



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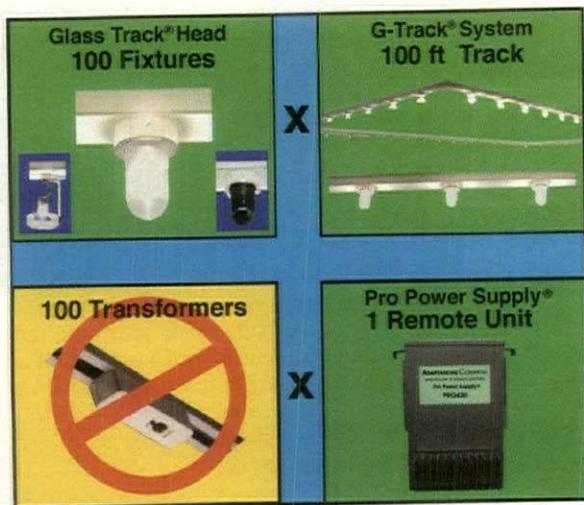
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**adindex**

## Adaptations

Introducing the G-Track linear low-voltage lighting system by Adaptations Co. The G-Track system comprises: a selection of Glass Track fixture heads, the G-Track surface track and the Pro Power Supply. A typical installation will include 100 fixtures, 100 ft. of track and one remote power supply. In place of a standard 100x100x100 system, eliminate 100 transformers by using the patented G-Track System.



The 100x100x1 system is possible thanks to the Pro Power Supply. The Pro Supply features proprietary circuitry, including an IDF built-in dimmer, a CVR voltage control circuit and an LND noise-control filter. The Pro Power Supply is rated to carry a maximum lamp load of 2000W at 24V.

For more information, contact Adaptations Company at (781) 326-9890, fax (781) 326-9891, email sales@adaptlight.com or visit www.adaptlight.com.

Circle No. 81

## Electrix

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