

# lighting today

JULY - SEPTEMBER 2015

COVER STORY


# Mondeal Square

Ahmedabad City,  
Gujarat state, India

## INSIDE

Show Previews / Reviews  
Lighting for Facades + Landscapes  
Lighting for Interior Spaces



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## DEAR READERS,

Welcome to this issue of *Lighting Today*. Moving onto the third quarter of 2015, we can see a steady rise in new products in the decorative lighting industry. Creative juices seem to be flowing a little more this year, which may be the result of the hospitality industry opting for bespoke lighting fixtures and design concepts.

In everyday settings for everyday people like us – from office buildings to cafés and bars to stores and places of interest, lighting envelopes us wherever we go. We may not always notice, but how a place is lit affects the way we think and feel. Thankfully, good lighting design has become more and more recognized and appreciated, resulting in many business owners and companies engaging professional lighting designers to brighten their interior and exterior building spaces with efficient yet practical lighting products. Thanks to new and constantly advancing technology, lighting design now can be used to serve a variety of purposes – even to catch attention or convey messages. This issue's Cover Story features the Mondeal Square, a twin tower of office buildings and retail space in the economical city of Ahmedabad, India. Read on to find out more about the lighting design concepts, paying close attention to the building's façade and how the designs are programmed to change depending on the time of day or festive season.

Another notable project featured within would be the Hanatoro illumination event held in Kyoto earlier this year. "Hana-to-ro" means "flower and light pathway" in Japanese and during the event, nearly 2 500 lanterns lit the five kilometer pathway to the foothills of the Higashiyama Mountain. Here we see the use of light in a traditional setting, blending the essence of culture with the breathtaking sceneries of the outskirts of Kyoto.

We also have many other news stories, projects and projects packed in this issue, including reviews and previews of the latest lighting trade shows in the region. I hope this issue will be an inspiration!



Jo-Ann Elicia Teo  
Editor



# WE

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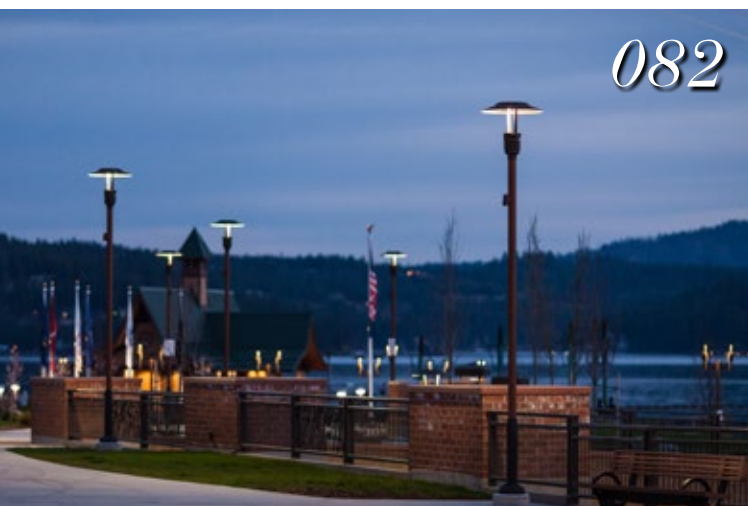
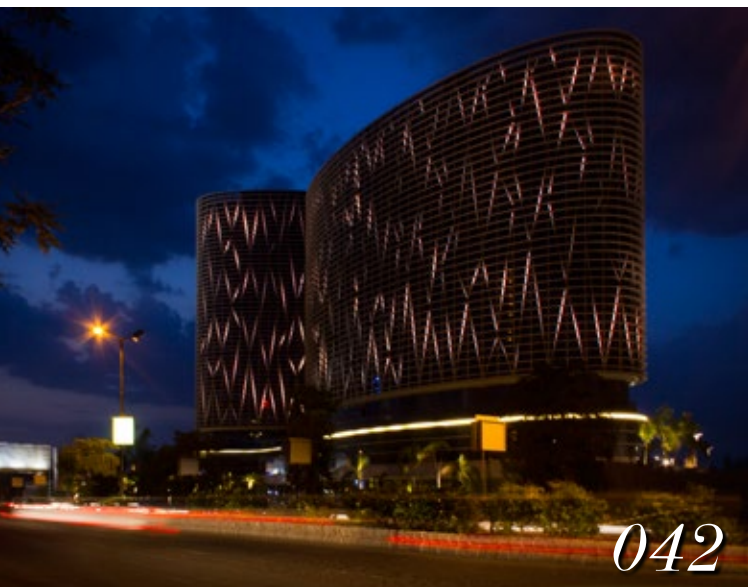
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# Industry's highest efficiency

# 190


# lumens/watt




## Straight-tube LED lamps released!




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**High Efficiency R-FAC40K series (4-foot T8)**  
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600/450 Sq.mm



□ 600 Type

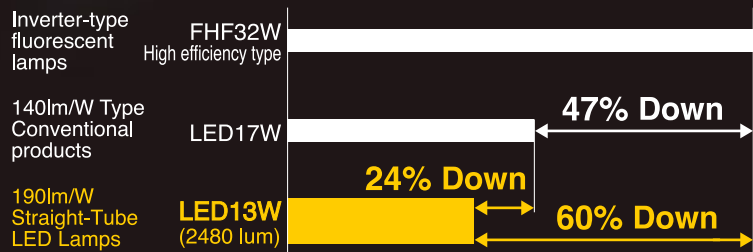
**Floodlights IP-56**  
(95W/60W)



95W Type ; Arm Type w/ Separate Power Supply

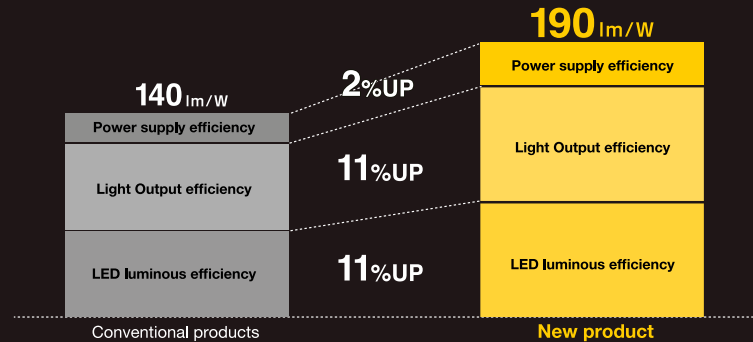
Achieved the 190 lm/W by improving LED efficacy, Light output efficiency and Power supply performance.

### Power consumption comparison



### Luminous efficiency

Light output efficiency was improved by 11% by optimizing tube transparency and diffusion level as well as by improving LED efficiency by 11%. Power supply performance was improved by 2% for unique design engineering technology. Power savings by 24% compared with conventional LED retro-fit tube, thanks to the 190 lm/W.



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# Prototyping and Visual Mock-Ups

or the importance of visual appraisal of lighting effects prior to final implementation...

This is a recurrent topic in many of my blogs and something that seems to be more and more vital in achieving the desired lighting effects in the final execution of projects. Our lighting designs are as good as their final implementation and hence eliminating insecurities in regards to the lighting outcome along the way seems a due diligence process that we cannot afford to skip. This seems specifically relevant with today's LED technology where the technology is evolving, the performances improving and the opportunities for lighting effects expanding as we speak.

We can roughly divide this into two slightly different categories; one that I call **prototyping**, where we assess the lighting effects of custom or bespoke lighting systems that have been created; the other being **visual mock-ups** where we appraise the lighting results of our specified manufacturer lights installed in its intended final architectural environment. The first one has a distinct aesthetic component attached to the assessment; the other is more a performance related exercise. But both are critical to assure we don't end up with an undesired or unsatisfactory lighting result in the end.

One can argue that as a professional lighting designer, I should know what I am doing, so why do I need to go the length of having extra costs made to prototype or mock up installation for visual appraisal? The point is that precisely because I am a professional and experienced lighting designer, I can anticipate what might go wrong and doing our due diligence through these mock-ups allows us to confirm that we have properly addressed these concerns. I already mentioned the constantly evolving lighting technology (what we thought we knew today may not be applicable tomorrow), but also the interaction of its lighting with the architecture, the material finishes and the spatial proportions are critical factors that need full comprehension for a final satisfactory sign off. One could see that as a sort of insurance policy... our clients pay dear money for the lighting - we better make sure they get good value for it!

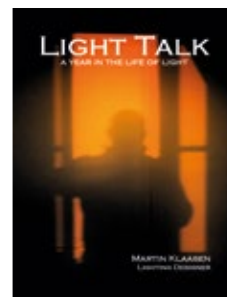
One of the issues that are to be overcome is the cost and time of carrying out these visual assessments. We have this written in our specifications as an integral part of the contractors' responsibilities but we have found more than once that there was no allowance made for it (or deliberately omitted, who knows) by the awarded contractor and by dragging their feet we were manoeuvred in a position where deadlines do not allow for the time consuming mock-ups anymore, forcing the design team to accept the non-tested end result, potentially with its shortcomings.

We recently scored a minor victory over a contractor forcing them to admit that the prototyping of a custom fixture was indeed listed as a part of the specifications and getting them to accept a delay in the works to allow for the manufacturing and review of a prototype prior to manufacturing and installing them all. It was good we did as it exposed some design issues that we were able to correct on review with the team, owner included.

But even after prototyping or visually testing mock-ups for its proper working, we can still end up with problems on installation. This is not necessarily a visual problem, but mostly technical control issues. LED technology (specifically the retrofit applications) suffer from the fact that there are limitations in its dimming capabilities and anticipating this in the specification stage requires quite some hands-on knowledge of both the dimming as well as the light source's driver compatibility. Many lighting designers have been caught out by false promises or unsubstantiated claims by the manufacturers or their local suppliers. Tests are often done on an office desk or meeting table showing that the lights can dim, but these are not representative of a multi lamp public or commercial installation.

It is not always possible to reproduce the exact final installation conditions but at least any prototyping of expensive lighting creations or the visual mock-up of light fittings that may affect the lighting effects produced by hundreds of lighting points, is a due diligence that needs to be incorporated in any design and implementation schedule. Prevention is better than correction as it avoids disappointment and frustration. This means that proper planning, built-in check points, approvals and budgeting are to be integrated in the route to success. I remember one project several years ago where the contractor and client had put together such a tight time schedule for completion that everything had to be rushed to meet the deadlines. Not surprisingly, shortcuts were taken and even less surprisingly, less than 3 months after the opening, the doors (this was a hotel) had to be closed again to rectify and make good on all the shortcomings and poor workmanship. While this was not specifically because of the lighting (in fact the lighting issues were only a very small part of the problem), it highlighted the main issue... haste always causes mistakes...

Follow Martin's daily blog about lighting, **Light Talk**, at: <http://lighttalk.via-verlag.com>



Martin's Book, '**Light Talk, A Year in the Life of Light**'

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Edison COB - light effect on object is soft and even.

vs.



Multi-LED - blurry and unclear with double images.

## Applications



## 32ND ANNUAL IALD INTERNATIONAL LIGHTING DESIGN AWARDS RECIPIENTS ANNOUNCED

*Bume Perfect Illumination Takes The Radiance Award Home To China*

**N**EW YORK, NY USA, 6 MAY | Fifteen award winners representing architectural lighting design projects from six countries comprise the winners of the 32nd Annual International Association of Lighting Designers (IALD) International Lighting Design Awards, recognized at a presentation held 5 May at Gotham Hall in Las Vegas, NV USA. Of the fifteen projects recognized, one entry earned a Special Citation, ten earned Awards of Merit and four earned Awards of Excellence.

IALD International Lighting Design Awards Chair Rosemarie Allaire, IALD, shared her excitement about this year's award-winning projects. "Every year, the IALD receives a d more than 200 submissions, drawn from all over the world. These projects were intriguing and inspiring; it was an honor to witness so many creative and innovative lighting projects from our talented industry. Each of these projects demonstrates unique and distinctive design solutions to enhance the architectural experience."

The highest point score winner across all categories, in addition to receiving an Award of Excellence for their project, receives the IALD Radiance Award for Excellence in Lighting Design. Winners of the Radiance Award do not know in advance of their Radiance Award-winning status—only that they should be present at the evening's award ceremony. The excitement is quite palpable at the event, which also serves as a fundraising dinner for the IALD Education Trust.

Accepting the Radiance Award for Excellence in Lighting Design was the project team from BUME Perfect Illumination Design & Engineering Company, led by Qiu Wei, for The Han Show Theatre in Wuhan City, Hubei, China. This project's award-winning qualities, as well as briefs on all other winning projects, are included in separate releases with images and credits where approval has been given.

### The IALD International Lighting Design Awards: A Tradition Of Excellence

As the longest-running award program recognizing architectural lighting design excellence, receiving an IALD award nod is universally heralded as the top honor in the lighting design industry. The results of the 32nd Annual Lighting Design Awards underscore the IALD's commitment to



The Han Show Theatre, Wuhan City, Hubei, China  
Lighting Design by Bume Perfect Illumination Design & Engineering Company  
Photo © ZHOU LI

recognizing quality lighting as defined by both aesthetic and technical expertise. As project focus and lighting codes mandate a shift in paradigm to lighting that is sustainable and maintainable, rigorous judging criteria ensures the IALD International Lighting Design Awards remains relevant, mirroring the global design environment. Over the years this program has become an industry benchmark, setting the bar in a position that requires adherence to the highest quality lighting design parameters.

### IALD Awards Program Recognizes Lighting Design Achievement, Innovative Solutions

The IALD awards are the longest-running award program recognizing architectural lighting design excellence; receiving an IALD award nod is universally heralded as the top honor in the lighting design industry. Over the years, this program has become an industry benchmark, setting the bar in a position that required adherence to the highest quality lighting design parameters.

The IALD is always thrilled and honored to receive a large number of entries, and especially appreciative of our esteemed panel of seven judges who spend three full days reviewing entries. The judges include five IALD members at various experience levels, including a sustainability expert. An interior designer and architect join these five IALD members to complete the panel of seven judges.

### 2015 IALD International Lighting Design Award Judges

The judging process is an integral part of the awards program, and the IALD is delighted to have secured a fantastic panel of judges this year, including:

- **GILBERTO FRANCO, IALD,**  
FRANCO ASSOCIADOS, SAO PAULO, BRAZIL
- **LEWIS GOETZ, FAIA, FIIDA,**  
BASKERVILL – METRO DC, WASHINGTON, DC USA
- **STEPHEN LEES, FIALD,**  
HORTON LEES BROGDEN LIGHTING DESIGN INC, NEW YORK, NY USA
- **MAUREEN MORAN, IALD,**  
MCLA ARCHITECTURAL LIGHTING DESIGN, WASHINGTON, DC USA
- **LESLIE NORTH, IALD,**  
AURORA LIGHTING DESIGN, GRAYSLAKE, IL USA
- **LEE PRINCE, IALD,**  
LIGHT & DESIGN ASSOCIATES, LONDON, UK
- **JASON ROSENBLATT,**  
NELSON, CHICAGO, IL USA

**2015 IALD International Lighting Design Awards Chair**  
ROSEMARIE ALLAIRE, IALD, ROSEMARIE ALLAIRE  
LIGHTING DESIGN, DANA POINT, CA USA

Judging took place at the IALD Headquarters office in Chicago, IL, USA, in December 2014.

#### The Process: Judging Criteria

The IALD International Lighting Design Awards program honors lighting design that reaches new heights, moves beyond the ordinary and represents excellence in aesthetic and technical design achievement.

Only those projects demonstrating consistent design quality

and technical expertise receive award recognition after three straight days of judging.

The judging for the IALD International Lighting Design Awards is rigorous and blind to uphold the integrity of the process. Scoring is quantitative, with each judge confidentially assigning a numeric value to each criterion after a period of discussion. Ballots are tallied and results kept confidential until judging concludes. There is no point during the process in which judges are made aware of where a specific project stands in terms of receiving an award.

For more information, please visit the IALD website at [www.iald.org](http://www.iald.org).

### 32<sup>nd</sup> Annual International Lighting Design Awards At A Glance

AWARD	PROJECT NAME	PRINCIPAL DESIGNER	LOCATION
RADIANCE AWARD	THE HAN SHOW THEATRE	Qiu Wei, BUMÉ Perfect Illumination Design & Engineering Company	Wuhan City, Hubei, China
EXCELLENCE	THE NATIONAL SEPTEMBER 11 MEMORIAL MUSEUM AT THE WORLD TRADE CENTER	Paul Marantz, FIALD, Fisher Marantz Stone	New York, NY USA
EXCELLENCE	ZHENHAI CULTURE & ART CENTER	Xu Jianping, Ningbo Yongqi Lighting Co Ltd	Ningbo, Zhejiang, China
EXCELLENCE	KINGS CROSS SQUARE	Tim Downey, StudioFRACTAL Lighting Design	London, UK
MERIT	STAPLETON LIBRARY	Stephen D. Bernstein, IALD, Cline Bettridge Bernstein	New York, NY USA
MERIT	KYOBASHI CHILD INSTITUTION	Hideto Mori, IALD, Lighting M Inc	Tokyo, Japan
MERIT	CALIFORNIA PALACE OF THE LEGION OF HONOR, SALON DORÉ	Patricia Glasow, IALD, Auerbach Glasow French	San Francisco, CA USA
MERIT	ART MUSEUM AHRENSHOOP	Maik Czarniak, Licht Kunst Licht AG	Osteseebad Ahrenshoop, Germany
MERIT	THE BROWN INSTITUTE FOR MEDIA INNOVATION AT COLUMBIA UNIVERSITY SCHOOL OF JOURNALISM	Pei-Chun Yang, Buro Happold	New York, NY USA
MERIT	KNIGHTSBRIDGE ESTATE	Alkestie Skarlatou, Associate IALD, GIA Equation	London, UK
MERIT	U.S. NATIONAL LIBRARY ROTUNDA FOR THE CHARTERS OF FREEDOM	Steven Rosen, IALD, Available Light	Washington, DC USA
MERIT	QUEEN ELIZABETH PARK	Mark Major, IALD, Speirs + Major	London, UK
MERIT	DAS GERBER	Gerd Pfarré, FIALD, Pfarré Lighting Design	Stuttgart, Germany
MERIT	NORTHROP AUDITORIUM RENOVATION	Tao Ham, IALD, HGA Architects + Engineers; Jason Edling, IALD, Arup	Minneapolis, MN USA
CITATION (1)	LIGHT GARDEN	Claudia Paz, Claudia Paz Lighting Studio	Lima, Peru

*CITATION (1) Special Citation for Provoking Interactive Play in a Social Context*

## OPENING CEREMONY OF THE IYL 2015 IN GERMANY

The International Year of Light and Light-based Technologies (IYL 2015) was officially opened in Germany at the Deutsches Museum in Munich on 27 February. The Ceremony was attended by around 300 high-ranking guests from business, research and culture that paid tribute to light as the basis of life and a catalyst for science and technology.

We would not exist without light. The sun has given it to us for billions of years. At the same time, light – or more generally: electromagnetic radiation – is the basis of many important branches of science or technologies: laser, solar cells, LEDs and fibre optics are just a few examples. Reason enough to take a much closer look at the importance of light. That is why the UN General Assembly proclaimed 2015 the “International Year of Light and Light-based Technologies”.

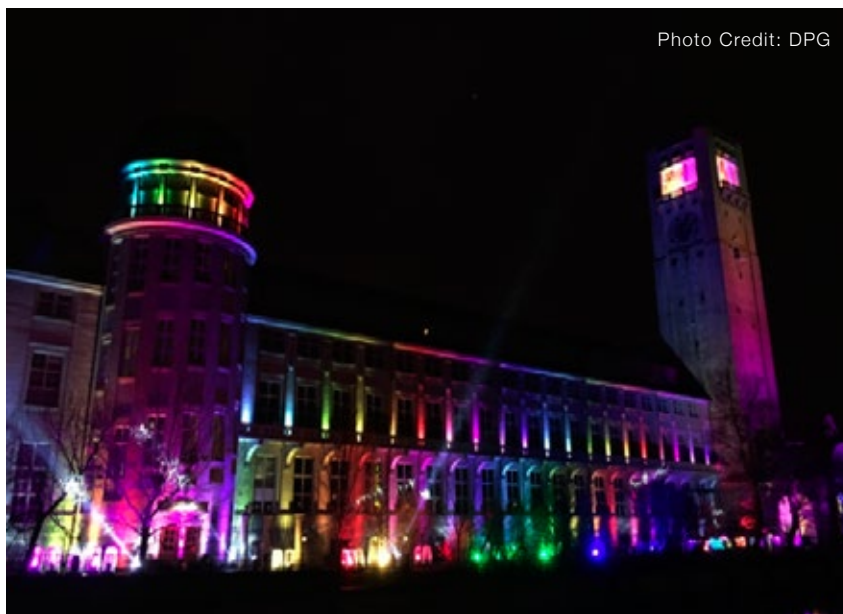


Photo Credit: DPG

German IYL 2015 Opening Ceremony at the Deutsches Museum in Munich.

In Germany events are being co-ordinated by the Deutsche Physikalische Gesellschaft (DPG) in conjunction with the German UNESCO Commission. So several weeks ago the DPG already launched a nationwide events calendar on the website [www.jahr-des-lichts.de](http://www.jahr-des-lichts.de), where event organisers can enter their planned festivals, celebrations or conferences – regardless of whether they are scientific, technological, application-specific, cultural or artistic.

“The DPG deliberately chose this date because it coincides with the inauguration of an important optical instrument: the Zeiss Planetarium. We aim to use the Year of Light to get young people and the general public interested in new technologies and to show many examples of a successful and rapid transfer of technology from research to application.” Edward G. Krubasik, President of the DPG.

The well-known German TV presenter and astrophysicist Harald Lesch conducted the opening ceremony with aplomb. Welcoming addresses were given by the nano-researcher and General Director of the Deutsches Museum Wolfgang M. Heckl, UNESCO representative Maciej Nalecz, and Andreas Tünnermann, Head of the Fraunhofer Institute for Applied Optics and Precision Engineering (IOF) on behalf of all the co-organisers, which also included the Helmholtz-Gemeinschaft, the Gottfried Wilhelm Leibniz Association and the Max Planck Society.

The scientific side of light was illuminated by the recent Nobel Prize for Chemistry winner Stefan Hell from the Max Planck Institute for Biophysical Chemistry, Goettingen, Germany, in his presentation on the “STED microscope”, for which he was distinguished with the Nobel Prize, and Martin Roth from the Leibniz Institute for Astrophysics Potsdam (AIP), who took the guests on a mental journey from molecules to galaxies and back. The political view was expressed by Parliamentary Secretary of State Stefan Müller; the view of industry by Olaf Berlien, Chairman of the Board of Osram Licht AG. With a light installation visible from far off the company is lighting the Deutsches Museum up in a totally new light for several days. “Wherever there is a lot of light there is



Photo Credit: DPG

Nobel Prize for Chemistry winner Stefan Hell with the torch that kindled the fire for the Olympic Games in Munich in 1972. Beside him the General Director of the Deutsches Museum, Wolfgang M. Heckl, with one of the first light bulbs.

also a lot of shade”, said church councillor Stephan Schleissing from the Ludwig Maximilian University of Munich’s Institut Technik-Theologie-Naturwissenschaften, giving food for thought in his presentation on light and enlightenment in Christendom.

A special highlight of the ceremony was the reopening of the Zeiss Planetarium. The first projection planetarium ever was already in the Deutsches Museum in 1923. It was commissioned by Oskar von Miller, the founder of the Deutsches Museum from Carl Zeiss in Jena. Since then the Deutsches Museum has had up to 80,000 visitors a year.

For Michael Kaschke, Chairman of the Board of the Carl Zeiss AG group, and member of the DPG Executive Board responsible for Industry, creating the most modern planetarium in the world was of particular importance. His aim is to convey to as many people as possible how fascinating the advances in the micro-world and macro-world can be, and what significance light has for life on Earth. Kaschke says:

“Experiencing for oneself, moments of astonishment and emotion,

as made possible by the new planetarium on virtual journeys through the universe and our world, trigger the desire to understand things and also engage with physics and optics.

He is fascinated by the thought that the photons of light of stars or galaxies often travel billions of years in the universe to finally end up triggering off on the retina of an observer a bioelectrical impulse that goes directly to the brain to trigger off curiosity, fascination or a gain in knowledge. At the end of the event he used the French term “voir est savoir” (which translates roughly as “to see is to know”) to reiterate the importance of light for science and technology as well as for life – at least on earth.

#### About Deutsche Physikalische Gesellschaft

The Deutsche Physikalische Gesellschaft e.V. (DPG), which dates back to 1845, is the oldest national society, and with more than 63,000 members also the largest physical society, in the world. As a non-profit association it pursues no economic interests. Through conferences, events and publications it promotes the transfer of knowledge within the scientific community and aims to open a window to physics for anyone curious. Its particular focuses are on encouraging the next generation of natural scientists and championing equal opportunities. The DPG's head office is in Bad Honnef on the Rhine. Its representative office in the capital is the Magnus-Haus Berlin.

Website: [www.dpg-physik.de](http://www.dpg-physik.de)

#### About IYL 2015

The International Year of Light and Light-Based Technologies (IYL 2015) is a global initiative adopted by the United Nations (A/RES/68/221) to raise awareness of how optical technologies promote sustainable development and provide solutions to worldwide challenges in energy, education, agriculture, communications and health. With UNESCO as lead agency, IYL 2015 programs will promote improved public and political understanding of the central role of light in the modern world while also celebrating noteworthy anniversaries in 2015—from the first studies of optics 1,000 years ago to discoveries in optical communications that power the Internet today. The IYL Global Secretariat is located at the Abdus Salam International Centre of Theoretical Physics (ICTP).

The Founding Partners of IYL 2015 are the American Institute of Physics (AIP), the American Physical Society (APS), the Deutsche Physikalische Gesellschaft (DPG), the European Physical Society (EPS), the Abdus Salam International Centre of Theoretical Physics (ICTP), the IEEE Photonics Society (IPS), the Institute of Physics (IOP), Light: Science and Applications, the lightsources.org International Network, 1001 Inventions, The Optical Society (OSA) and the International Society for Optics and Photonics (SPIE).

Patron Sponsors include Bosca, the International Association of Lighting Designers (IALD), Royal Philips Lighting, Thorlabs and UL.

## GE LIGHTING TO HELP ILLUMINATE THE TOKYO 2020 OLYMPIC GAMES, STRENGTHENING PARTNERSHIP WITH IWASAKI ELECTRIC

GE has announced that in partnership with Iwasaki Electric Co. Ltd, the two companies will provide a stronger lighting product portfolio to address the needs of the Organizing Committee in conjunction with the Tokyo 2020 Olympic Games.

GE and Iwasaki Electric established a joint venture, EYE Lighting Systems Corporation, in 1973. EYE Lighting has manufactured lighting equipment for stadiums, sports arenas and other athletic facilities in Japan for more than 40 years. Through products manufactured by this collaboration, GE will supply LED lighting solutions for the competition venues of the Tokyo 2020 Olympic Games.

Tokyo 2020 is envisioned to be the first Games in the Olympics' long history to have LED lighting installed at the competition venues in a full-fledged manner. The benefits of installing LEDs at these venues include energy savings of around 50% compared to conventional lighting equipment. It also greatly reduces lighting maintenance because of the products' longevity. LED lighting also ensures uniform lighting without unevenness so that the athletes can concentrate on competing to perform at their best. Event organizers can also achieve various stage effects with instantaneous lighting and dimming.



*Left:* GE supplied 14,000 lamps for the 80,000-seater London 2012 Olympic Stadium.  
*Right:* GE's LEDs were used to retrofit London's iconic Tower Bridge.

GE has a proven global track record in developing and selling LED systems for sporting venues, both indoors and outdoors. GE Lighting has a track record in supporting cities with their next generation sustainable infrastructure with its new lighting solutions based on new technology and know-how. In particular, as an official worldwide Olympic partner, GE has superb credentials of delivering products that meet the specifications for lighting equipment at Olympic competition venues. At present, the company is partnering with the Tokyo Organizing Committee of the Olympic and Paralympic Games to support the operations of the Games, through installation of infrastructure equipment.

Meanwhile, Iwasaki Electric has superior expertise in LED lighting environments in Japan with a diverse LED product line-up for applications ranging from commercial facilities to outdoor lighting. This year, Iwasaki Electric was selected out of various sports lighting systems as the first to convert the lighting facilities at Yokohama Stadium in Yokohama City to LED technology for its night games, a first for professional baseball outdoor night game lighting facilities in Japan. The company also has an extensive network throughout the country providing a full set of services.

This partnership will integrate the best of the technology and know-how of both companies, to facilitate joint development of advanced LED lighting products and optimal lighting solutions for the success of the 2020 Games.

## REGISTRATION FOR IF DESIGN AWARD 2016 IS OPEN

*iF DESIGN AWARD 2016 – one of the world's most highly recognized awards for design excellence*

*Registrations are being accepted up to 15 October 2015.*

*Entries can now also be submitted for the first time in the categories of Architecture and Service Design.*

The iF DESIGN AWARD has been one of the most prestigious design competitions in the world for more than six decades. Each year, companies, designers, agencies, building owners and architects put themselves to the test of the iF DESIGN AWARD and show their appreciation of its high value – not least as an established marketing instrument for the prize-winning products and services. The general public gets an impression of the innovative strength of design and architecture. Consumers value the award as an important aid in orientation.

Entries can now be submitted for the current competition, the iF DESIGN AWARD 2016, at [www.ifdesign.de](http://www.ifdesign.de) up to 15 October 2015.

Two new disciplines, Architecture and Service Design, have been added to the competition.

All the disciplines at a glance:

- Product
- Communication
- Packaging
- Interior Architecture
- Professional Concept
- Architecture
- Service Design

These disciplines are also divided down further into categories. For full list of categories, please visit [www.ifdesign.de](http://www.ifdesign.de).

#### Discipline: **Product**

This discipline covers the entire bandwidth of product design. Mass-produced products from such fields as mobility, living, working, leisure time, industry and healthcare can be entered.

#### Discipline: **Communication**

The judges evaluate websites and interfaces, apps, films, videos and animations, brand identity, new fonts, print media and much more.

#### Discipline: **Packaging**

The discipline of Packaging puts packages, packaging graphics and materials to the test.

#### Discipline: **Interior Architecture**

From corporate architecture with temporary presentations at tradeshows and exhibitions to interior fittings and decoration for shops, showrooms, and restaurants, right on up to private living quarters – the judges take a critical look at many different types of room design.

#### Discipline: **Professional Concept**

What is called for in this discipline are trendsetting works and experimental concepts. From groundbreaking mobility concepts to free studies for the application of innovative technologies right on up to solutions to meet global, social and ecological challenges.

#### New discipline: **Service Design**

This discipline was added to include all everyday service innovations that are very close to people and designed for people. This might mean a project that



analyzes the order process for a plane ticket with the optimization of such individual elements as the design of the website, print material and the service counter.

#### New discipline: **Architecture**

From private housing to company buildings, plants, schools and landscape architecture right on up to public buildings – this new discipline reflects the entire typology of modern architecture.

#### Important Dates

**30 June 2015:** First registration deadline

**15 October 2015:** Last registration deadline

**19 to 21 January 2016:** Judging session

**26 February 2016:** Awards Ceremony (iF design award night)

#### Online registrations:

[www.ifdesign.de](http://www.ifdesign.de)

#### iF design app:

Download all the award winners from 2013 / 2014 and 2015 free of charge:

- Apple App Store
- Google Play Store

## DESIGNERS EXPERIMENT WITH LIGHT AND MATERIALS IN COOLEdge'S NEW CARDBOARD DISPLAY



Cooledge Lighting, the leading developer of flat and flexible LED lighting solutions, has created a unique 'light and material' experience that offers architects, lighting and interior designers and specifiers to play with the relationship between light and different materials such as textiles, plastics, glass and onyx. The new experience made its debut at GlobalShop in Las Vegas after a successful debut with leading designers in Chicago earlier in March.

"Working with Billings Jackson Design in Chicago, we've developed a set of cardboard boxes to create windows of light with which designers can change the distance between light and materials to create different effects or change the nature of the light itself," said David Kriebel, vice president of sales and marketing for Cooledge.



Photo Credits: Niels Denekam of Billings Jackson Designs

“Because our lighting products eliminate the need for traditional luminaires and thermal management, we can apply them to non-traditional materials to create thinner, unique and more efficient illumination effects.”

The novel boxes were unveiled at an event for architects and designers in the Chicago area early March. More than 30 participants joined Cooledge and KSA at the Riva on Navy Pier to play with the boxes and reconsider the

relationship between light and materials.

Cooledge’s light sheet products are redefining what is required to form a luminaire and freeing architects and lighting designers from bulb and tube form factors. Installations at the new Coach store on Central Park West and the TOPSHOP flagship store on 5th Avenue in New York City are great examples of how these new form factors can be used to create beautifully lit effects.

## FLOS ENRICHES ITS OUTDOOR CATALOGUE WITH ARES' COLLECTIONS OF ARCHITECTURAL OUTDOOR LIGHTING

30th March 2015 - Flos S.p.A. is pleased to announce that Ares, a leading Italian manufacturer of architectural outdoor lighting, is now a Group company. The Flos collection, historically famous for its iconic designs and for a number of years also for its professional lighting systems (Flos Architectural), is now enriched with Ares’ specific know-how to compete effectively and successfully in the outdoor sector on global markets. Ambrogio Strano, the founder of Ares, will continue as the company’s CEO and will become a minority shareholder of Flos, with a place on the Board of Directors. After the entry of InvestIndustrial into the Flos’ capital, this is the first operation closed with the aim of continuing and strengthening the Group’s strategic growth.

Established in 1994 in Bernareggio (in the province of Monza and Brianza, Italy), Ares has been committed from the outset to reflecting the constant evolution of the outdoor lighting sector, offering innovative, high quality and sophisticated lighting products, manufactured with noble materials including aluminium, stainless steel and glass. It soon recognized the potential of LED light sources, with a view to offering fixtures featuring high efficiency, reduced energy consumption and with a constant focus on environmental protection.

Today the Ares production facility covers an area of over 12,000 sqm, including the research and development department, testing laboratories and a painting and coating system based on advanced technology. In 2010, the Aresled division was created, comprising an automatic assembly line for circuit boards and a production department for wiring and assembly. The constant desire to grow has made Ares a benchmark company in the sector, exporting its products worldwide and addressing a broad target of consumers who are increasingly aware of the numerous benefits linked to comfortable, safe and efficient lighting.

The natural integration of the Ares collection into the Flos universe will be represented during the Salone del Mobile in Milan by a poetic and theatrical installation at Flos’ Euroluce stand, created by designer and artist Ron Gilad. Research, experimentation and technological innovation will be interpreted through the unmistakable poetic sensibility of the Israeli designer.

Flos CEO Piero Gandini said: “Our encounter with Ares comes in a period of strategic growth for the company and has opened up new prospects for strengthening our competitive potential in an important area like the Outdoor lighting. With

Ambrogio Strano and his staff, we share not only advanced research and innovation processes, but also the concept of integration between lighting units, architecture and spaces and, in the final analysis, the idea of experiencing light as an emotion. The Outdoor division is now the Group's fourth production unit, alongside the historical Design sector in Brescia (Italy), the Architectural sector in Valencia (Spain) and our custom products sector, Light Contract. We are therefore continuing to pursue our model based on independent business units that share the same identity of design, growth strategy and range integration."

Ares CEO Ambrogio Strano commented: "After bringing up a daughter like Ares, who has given me so many satisfactions and positive emotions, it is an immense honour and pleasure to accompany her up the aisle in such a special marriage, which sets both myself and all my staff new prospects and professional challenges."

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## GRIVEN JOINS NORDEON-GROUP



Photo Credit: GRIVEN

Starting March 2nd 2015, GRIVEN has become part of NORDEON-GROUP, one of Europe's leading lighting companies, to further strengthen the comprehensive offer to the international architectural lighting market.

As part of NORDEON-GROUP, GRIVEN will continue to operate independently under its own brand through its existing organization and management team in Castel Goffredo, Italy.

Luigi Pederzani will carry on his current role as Managing Director, while his brother Silvio Pederzani will go on leading GRIVEN's R&D department. "Under the umbrella of NORDEON-GROUP, GRIVEN will keep its identity unchanged but at the same time our customers will benefit from the technical and strategic opportunities that NORDEON-GROUP will share with us", says Luigi Pederzani.

Patrick van Rossum, Partner of VAROVA, the owner of NORDEON-GROUP - regards this acquisition as a win-win

situation for both companies: "With its broad lighting solutions portfolio, an extensive technological know-how and a deep knowledge of architectural markets, coupled with NORDEON-GROUP's technology and research and development capabilities, GRIVEN will considerably help accelerate the implementation of the group strategic agenda and bring significant benefits to customers".

Pierre van Lamsweerde, CEO of NORDEON-GROUP, asserts: "I am very pleased to welcome GRIVEN – a leader in its market with a strong track record to back that up – to our group. With HESS - our premium brand for outdoor luminaires - we have an immediate access to the creative world of architectural lighting. With GRIVEN and HESS, we can rely upon a comprehensive platform capable of offering lighting designers, planners and architects the possibility to re-define the world we live in. This liaison allows us to offer a comprehensive choice of innovative, high-quality and sustainable lighting solutions worldwide".

## GE LIGHTING SUPPORTS INDIA'S GREEN CITY INITIATIVE WITH SOPHISTICATED LED STREET LIGHTING SYSTEM



Jamshedpur Utilities and Services Company (JUSCO) has launched a “Green City” initiative for Jamshedpur, the largest city in Jharkhand and a major industrial zone in eastern India. JUSCO, as the country’s only comprehensive urban infrastructure service provider, recognized the many advantages that LED street lighting can bring to the cityscape. Following a thorough assessment process, JUSCO chose GE Lighting as its preferred partner for the upgrading of existing conventional street lights. The new lighting solution will bring JUSCO projected energy and maintenance savings of approximately 54% per annum.

A total of 400 units of 250W High Pressure Sodium Vapor lamps in the city were replaced with the sophisticated GE PALM Street lighting system utilizing 130W LED street lights. GE PALM offers a dual advantage of optimum light and a splendid outdoor lighting effect providing cost-effectively more power. It is a lighting system that is sensible, robust and capable of dispensing maximum light at optimum quality. With its remarkable styling, adaptability and other design features, GE PALM adds an aesthetic element during the day and provides superior light output at night.

“The unique elegance and depth of functional details of the GE PALM system will serve the outdoor spaces of

Jamshedpur city well. As a trusted and valuable partner in India, we continue to offer innovative solutions in support of the nation’s move towards efficient power usage,” Gautam K Rangan, Marketing Manager of GE Lighting India added. “Rapid urbanization requires visionary thinking and planning when it comes to creating power-efficient, robust yet aesthetically pleasing outdoor lighting. GE Lighting has always been a thought leader and innovator in lighting solutions and systems so as to anticipate and meet rapidly evolving lighting demands and environmental challenges of our customers.”

Through “Green is green”, Ecomagination is GE’s commitment to technology solutions that save money and reduce environmental impact for our customers. Aligning with JUSCO’s “Green City” initiative, GE lighting has driven innovation and growth of profitable environmental solutions to meet JUSCO’s demands for more energy-efficient products and solutions to tackle the challenging environmental issues.

Present in India since 1902, GE has applied its spirit of innovation to developing practical and high-tech solutions for the country and contributing towards its commitment to move towards energy-efficient growth.

## I LIGHT MARINA BAY TO BE HELD ANNUALLY

i Light Marina Bay, Asia’s only sustainable light art festival, is set to return next year with the theme “In Praise of Shadows”. The Urban Redevelopment Authority (URA) has invited artists to submit proposals (call for submissions now closed) for light art installations to be showcased during the festival which will be held from 4 to 27 March 2016. This

popular light art festival will also become an annual event.

### In Praise of Shadows

i Light Marina Bay 2016 offers an opportunity for artists to reflect on Singapore’s future after reaching its Jubilee year

and how the city can be transformed and lit in the future. The curators for the 2016 edition are Randy Chan, Principal Architect at Zarch Collaboratives, and Khairuddin Hori, Deputy Director of Artistic Programming at Palais de Tokyo, Paris. They drew inspiration for the theme from Japanese writer Junichiro Tanizaki's seminal essay on aesthetics of the same title, "In Praise of Shadows". Their hope is to be able to provoke artists to re-imagine the fundamentals, forms and roles of light, and to readjust perceptions of lighting. It will also be an opportunity to reframe issues relating to sustainability and to contemplate larger issues of light, beauty and the city. See Annex A for more information about the curatorial team.

The festival welcomes participation from local, regional, and international artists. It will also offer opportunities to bring together artists from other relevant creative fields to create light art installations. As with past editions, there are also plans for collaborations with the community and educational institutions.

#### Festival To Be A Yearly Affair

Since its first edition in 2010, the biennial i Light festival has seen increasing participation and visitorship. The third edition, held in 2014, attracted a record 685,000 visitors. In response to popular demand, the festival will be held annually from next year.

Jason Chen, Director for Place Management, URA, said, "The festival has gained a strong following since its inception and we have received a lot of feedback suggesting that it be a yearly affair. Holding it annually at Marina Bay will allow more people to enjoy the light art installations, and more importantly, to heed our message about sustainability. We hope the upcoming festival will provide a more stimulating visitor experience beyond visual aesthetics and attract greater participation, especially from local and regional artists, and the community on various fronts."

For more information, please visit [www.ilightmarinabay.sg](http://www.ilightmarinabay.sg).

## MEDIA ARCHITECTURE R&D CENTRE OPENS IN SUZHOU, CHINA



A collaborative project by CAFA / School of Architecture and StrongLED was opened at StrongLED Complex (Suzhou) on 17 April 2015. The Centre's opening was officiated by Mr Chang, Head of CAFA / School of Architecture; Dr Hank Haeusler, Director of MAI; Mr Wu Xin Ming, Head of Fenhu High Tech Development; and Mr James Chang, CEO of StrongLED.

The Centre is the first collaboration for CAFA in the field of media architecture in lighting design and engineering, with objectives to achieve higher expectations and standards. The Centre focuses on research and development on media architecture for undergraduates, post-graduate/masters and doctorate students working with teaching staff and experts from CAFA and MAI, pioneers, researchers and experts from different fields and industry backgrounds. StrongLED and its facilities provide industry experience and technical platforms.



## FIRST INTERNATIONAL GRAND SUMMIT FOR MEDIA ARCHITECTURE IN MAINLAND CHINA



Jointly organized by the China Central Academy of Fine Arts (CAFA), the Media Architecture Institute (MAI) and the China Solid State Lighting Alliance (CSA), the first international CAFA/MAI Media Architecture Summit & Exhibition was held on 15 April 2015 in Beijing, China. Over 4000 national and international pioneers and researchers of media architecture met, communicated and shared the latest achievements, trends and concepts in the field. StrongLED, who was the exclusive sponsor for the event, developed an innovative and interactive media wall installation, which demonstrated the successful cooperation of academy (Art) and industry (Science). The summit has not only shown that media architecture has become the trend in the industry, but also delivered a message that the development of China in terms of media architecture and related fields are expanding.



## STG AEROSPACE OPENS NEW SUBSIDIARY IN CHINA

STG Aerospace, a world-leading pioneer in aircraft lighting technologies, is delighted to announce that it has established an official presence in China with the launch of a Wholly Foreign Owned Enterprise (WFOE), STG Aerospace (China) Co., Ltd. based in Shanghai. This new initiative is a reflection of the importance of China as a market for STG Aerospace. According to a recent IATA report, the country is expected to overtake the United States as the world's largest air passenger market by 2030.

Based in the UK, STG Aerospace also has a manufacturing facility in the US. STG's CAAC, FAA and EASA-approved product range includes: safTglo®, the pioneering and market-leading photoluminescent emergency floor path system currently installed on over 9000 aircraft worldwide; safTsign™, the leading brand of photoluminescent emergency and informational signage developed for commercial fixed-wing and rotary aircraft; and liTeMood®, a plug-and-play, programmable, LED mood lighting system designed specifically to retrofit commercial aircraft cabins, both to enhance the passenger experience and improve

airline metrics.

The new office will enable STG Aerospace to offer an even higher level of service to their growing list of customers for safTglo® and safTsign™ products, including China Eastern Airlines, Shenzhen Airlines and China Southern Airlines. In addition, its presence in the country will provide the company with a base for the ongoing development of cabin lighting tailored to the specific needs and tastes of the Chinese airline passenger.

Nigel Duncan, STG Aerospace's Chief Executive, commented: "We have been active in the Chinese market for the last decade and are committed to a long-term future in the country. This new subsidiary will not only help us to enhance the service we provide for our Chinese customers, but also enable us to involve local companies and local people in the delivery of innovative, research-based cabin lighting solutions that are not just the best in the marketplace, but the best, specifically, for our Chinese customers".

# show preview

HKTDC Hong Kong  
International Lighting Fair  
(Autumn Edition)

27<sup>th</sup> – 30<sup>th</sup> October 2015  
Hong Kong Convention and Exhibition Centre  
Hong Kong



Photo Credits: HKTDC Hong Kong International Lighting Fair (Autumn Edition)

Wherever you are positioned at on the lighting supply chain, the HKTDC Hong Kong International Lighting Fair (Autumn Edition) 2015 is the place to meet your market as the fair offers you the opportunity to meet buyers from all over the world. In the 2014 edition, some 2,500 exhibitors from 37 countries and regions played host to nearly 37,000 visitors from 135 countries and regions, continuing a tradition of growth as the lighting market itself grows.

#### Major Exhibit Categories are:

- Hall of Aurora
- LED & Green Lighting
- Advertising Lighting
- Avenue of Inspiration
- Business of IP Zone
- Smart Lighting & Solutions
- Commercial Lighting
- Testing, Certification & Inspection
- Household Lighting
- Trade Service & Publication

#### Zone Highlights in 2015

Market demand is surging for many sectors of the lighting industry and the fair responds with appropriate zones.

The *LED & Green Lighting Zone* has been an enormous success as many countries have introduced environmentally friendly regulations and many individual consumers prefer energy-saving products. The LED sector in particular, has soared and the zone attracts buyers in large numbers. The 2014 Autumn Lighting Fair housed more than 850 exhibitors covering 'green' lighting for commercial use, residences, advertising and outdoor applications.



The *Hall of Aurora* provides an elegant space for branded collections of beautiful, high-quality lighting fixtures. With an increasingly affluent and sophisticated consumer base, such lighting is highly desirable. Interior designers and architects, as well as fashion-forward retailers, look for new and trendy lighting here.

The *Advertising Lighting Zone* highlights exhibitors serving advertising, marketing and promotional needs. In an increasingly competitive retail world, these products give businesses the competitive edge. It is one

of the few showcases available for exhibitors of light boxes, display panels, signage and other advertising-related lighting products.

The *Smart Lighting & Solutions Zone* is ideal for exhibitors offering state-of-the-art technology for smart homes, offices and commercial premises. The control of lighting from remote locations is no longer a futuristic dream but a contemporary demand. Exhibitors show products such as switch/control panels and tailor-made smart lighting solution packages.



The *Household Lighting Zone* covers a wide variety of domestic lighting, both decorative and functional, from classic to contemporary, including established favourites such as chandeliers. Leading companies which were in this zone in 2014 include renowned names such as NOOVO, BRASILUX, Star Tecnologia and VAXCEL.

The *Avenue of Inspiration* made a very successful debut at the 2014 Autumn Lighting Fair. It features design-driven products, which are very trend-conscious or even ahead of the trend in innovative lighting. Designs in this zone are inspirational while the technology is ingenious.

### Knowledge and Networking

Events around the Autumn Lighting Fair seek to further knowledge through seminars and forums, as well as to promote extended contacts through gatherings such as the Networking Reception.

### Prime Location

There are commercial and social advantages to the fair's location in the world-class Hong Kong Convention and Exhibition Centre (HKCEC). The venue's position in the busy downtown area of Wan Chai places participants within easy reach of business, shopping and entertainment facilities.



**Concurrent Opportunities For More Sourcing**

Several concurrent events at AsiaWorld-Expo, 28-31 Oct, offer lighting and related products. *HKTDC Hong Kong International Building and Hardware Fair* and *Eco Expo Asia* are both fertile sources of both products and technology.

*World of Outdoor Lighting & Lighting Accessories* is launched this year to exhibit outdoor lighting, lighting accessories, parts and components.

Lighting has such a close relationship with architecture, interior design and building that the proximity of these events will be a boon to buyers. Developers, architects, project managers and others with overarching responsibilities for projects can cover several bases in one visit.

**Reserve Your FREE Admission Badge and Save HK\$100!**

**Web** – visit [www.hktdc.com/ex/hklightingfairae/01](http://www.hktdc.com/ex/hklightingfairae/01)

**Wap** – visit [www.hktdc.com/wap/lightae/T119](http://www.hktdc.com/wap/lightae/T119)

**App** – HKTDC MOBILE

**Tel** – (852) 1830 668      **Fax** – (852) 2824 0026

**Email** – [exhibitions@hktdc.org](mailto:exhibitions@hktdc.org)



# show review

MAISON&OBJET ASIA

10<sup>th</sup> – 13<sup>th</sup> March 2015  
Marina Bay Sands Convention Centre,  
Singapore



Photo Credits: MAISON&OBJET ASIA 2015

MAISON&OBJET ASIA's (M&O ASIA) second edition, which took place at the Marina Bay Sands Convention Centre in Singapore from 10 to 13 March 2015, successfully brought together international and Asia Pacific brands showcasing the latest from the design and home lifestyle sectors. M&O ASIA 2015 gathered key buyers and industry players from across the Asia Pacific region and offered an active market platform as well as a place to discover new Asian design talents and brands. The diversity of product offerings, new design insights and industry networking opportunities at M&O ASIA 2015 has confirmed it as a key event of the Singapore Design Week and established the salon as an intrinsic part of the design ecosystem in the Asia Pacific region.

Visitor attendances at M&O ASIA 2015 reflect Asia's rapidly growing property development, real estate and hospitality industries. The second edition of MAISON&OBJET ASIA saw a total of 11,601 visitors of which 9,147 were unique visitors. Reflecting the rising trend in Asia, 50 percent of these visitors were from the interior design and architecture sectors. The visitor profile of M&O ASIA clearly distinguishes it from its Parisian counterpart, M&O PARIS, which usually attracts a larger percentage of retailers.

"Now in its second year, MAISON&OBJET ASIA has, by the high quality and diversity of its offerings, struck a good balance between Asia and the West, thus





becoming a unique platform bridging different markets across continents. MAISON&OBJET ASIA has to date developed its own unique concept, clearly becoming a leading design fair that not only meets the needs of professionals in the Asia Pacific region but also sets the trend for new Asian design," says Mr Philippe Brocart, Managing Director, MAISON&OBJET.

M&O ASIA is more committed than ever to the Asia Pacific region following the successful second edition. Feedback from exhibitors on this second edition of the show was positive and highlighted the diversity and the quality of the offering of M&O ASIA.

"The calibre of M&O ASIA this year unlocks people's perceptions across design-driven disciplines. The show gives Asia's design industry an inordinate opportunity to see the design-driven innovations going on. It is a sharing platform for everyone, not just for the star designer or star architect; opportunities can happen around the corner from you. The exhibition and conferences offer the full gambit – from young and brash, to experienced and exploratory. There is an earnestness and vigour about it that is particular and is what MAISON&OBJET is all about. We can't wait for the next edition," says Ms Natcha Chotivejthamrong, Brand Manager, JARKEN Group of Companies.

"We were pleased to be one of the brands which exhibited at M&O Asia in Singapore. We could not take our workshop to the fair, therefore we had made the finest selection of our pots in various sizes and shapes for architects and designers to feel and touch the material. We have already been working with M&O Paris for over 15 years, M&O enables us to express the artistic value of our products in the best possible way," says Mr Dries Janssens, Atelier Vierkant.

"M&O ASIA is a great showcase to launch new products in the Asian-Pacific market. An excellent platform to meet distributors, interior designers and developers in just one event," says Mr Sergio Pastor, CEO, Gandia Blasco, S.A.



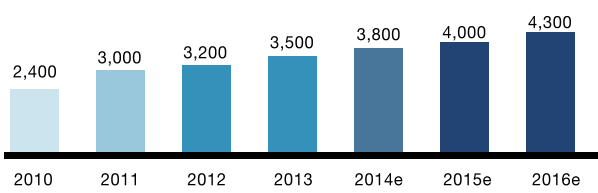
Industry professionals who visited the show also shared their positive outlook on M&O ASIA, which had brought them in direct contact with brands and designers relevant to their needs. "M&O Asia in its second edition brought together some of the most prestigious interior design brands as well as up-and-coming Asian designers. The show is a great place to discover new talents and consultants for residential and hospitality projects," says Mr Kenneth Ng, Managing Director, Wing Tai Properties Ltd (Hong Kong).

Future editions of M&O ASIA, M&O PARIS and M&O AMERICAS will see an even stronger Asia Pacific audience. To achieve this, MAISON&OBJET has appointed a Director of Asia-Pacific whose role would also be to strengthen the M&O global brand in the region. "MAISON&OBJET is proud to announce the appointment of Ms Regina Chan as Director, Asia-Pacific commencing 1 July 2015. Her appointment is a clear signal that we want to grow our audience and presence in the region and to adapt our concept to local needs. We already have a strong presence of Asian visitors in Paris but we think that as the demand for high-end decor and design is growing, we need to be closer to our clients throughout the year," adds Mr Philippe Brocart.

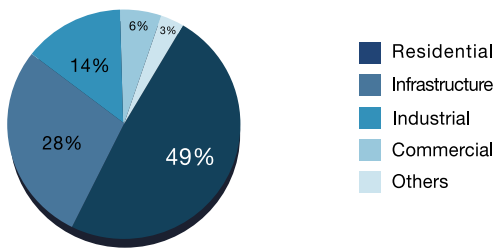
With the closing of its second edition, plans for MAISON&OBJET ASIA 2016 are already underway to anchor the show even more deeply in the regional scene. MAISON&OBJET ASIA will return to Singapore in March 2016, at Marina Bay Sands Convention Centre.

# Myanmar - A Promising Market for Building Materials, Interior, Furniture & Décor

Myanmar Construction Industry Annual Output (US\$ million)



Myanmar Construction - 2013 Contribution by Sectors



Source: New Crossroad Asia

- Myanmar construction industry is growing at an exponential rate with a CAGR of 20%. Residential sector contributed to 49% of the market at value of about USD 1.5 Billion.
- Trend of building industry in Myanmar changed from just functional to more design and décor since late year 2013. More designed and more modernized buildings, hotels and restaurants are commonly seen especially in Yangon nowadays.



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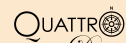
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# show review

International Furniture Fair  
Singapore 2015  
& 32nd ASEAN Furniture Show /  
The Décor Show / Hospitality 360°

13<sup>th</sup> – 16<sup>th</sup> March 2015  
Singapore EXPO



Photos Courtesy of IFFS

The International Furniture Fair Singapore 2015 / 32nd ASEAN Furniture Show (IFFS/AFS 2015), The Décor Show, and Hospitality 360° came to a close after four full days of business meetings, networking, seminars, and inspiring design-related activities, propelling the industry towards an expectant year ahead.

A total of 487 exhibitors from a record number of 39 countries participated in the trilogy of events this year, occupying 60,000 square meters of beautifully

decorated halls at the Singapore EXPO. In terms of footfall, IFFS welcomed 18,836 visitors from 102 countries to the fair, including 92 buying delegations and 380 VIP Hosted Buyers of The Prestige Club.

#### **Singapore – The Gateway to Asia**

Mr. Ernie Koh, Chairman of IFFS Pte Ltd & President of Singapore Furniture Industries Council, expressed, "IFFS is well poised to assist international manufacturers enter the Asian market, as well as to allow local or

regional firms to break into the global scene. Companies are attracted to the unique blend of East meets West that is adaptable to either side of the spectrum, the ease with which business can be conducted here, and the well-established infrastructure that the island nation offers."

Exhibitors from various segments of the show independently concurred that they chose Singapore because of its geographical location and cultural positioning. First-time Belgian exhibitor, Ms. Khadidja Thys, Export Manager, Umbrosa NV, said, "IFFS is a powerful platform for us to meet new customers, reach out to our existing clientele, and also to further increase brand awareness in the region. We received a high volume of leads, which comprises a wide variety of industry people – hotel owners, operators, designers, retailers, and developers. We strongly believe that our participation will translate into direct sales opportunities."

Mr. Peter Bastiaensen, Export Manager at Linea Verdace (Belgium), voiced similar sentiments, saying, "Our experience on this mission trip by EU Business Avenues has been a positive one. The business matching service allowed us to meet with the right people. While we export to over 20 countries in the world, this is our first trip to Asia. It's given us good business leads and we'll seriously consider returning as an independent exhibitor."

Asian STAR Showcase participant, Dr. Pich Tripasai, Founder of Tripasai Architect (Thailand), explained, "The showcase gives me the opportunity to present a complete concept, as opposed to singular pieces of furniture, to my clients and visitors. Being here also allows me to gather feedback from potential clients, as well as meet and interact with designers from other parts of the world."

Visitors identified IFFS as the region's most cosmopolitan fair for their sourcing needs, given the comprehensive portfolio of exhibitors that hail from around the world. Swedish attendee Mr Jan Karlsson, Product Manager of Mio AB, said, "IFFS is the most international of all the industry's regional fairs. The quality of the stands is excellent, and I come mainly to gather ideas and inspiration for my company's retail outlets in Europe."

Another buyer, Ms Pippa Cowling, Director of D.I.Designs (United Kingdom), revealed, "My business stocks furniture for restaurants, hotels, etc. and I'm sourcing for local and regional factories to supply my needs. I've had very good meetings so far, and am impressed with how big the show is."

Separately, first-time visitor, Mr. Vikas Jain, Partner at J.C. Antiques & Crafts (India), was also pleased with what he saw on this exploratory



trip. He shared, "We were looking to participate in a show outside of India, and we felt that IFFS is the right platform for us to penetrate into the Southeast Asian market. I'm very happy with what I see and we will likely exhibit in the next edition."

### Design Takes Centrestage

At IFFS 2015, it was evident that 'design' played a pivotal role in the furniture business. The fair expanded its pool of design-centric exhibitors that consistently feature well-presented collections. These booths are not only eye-catching, but are also popular with discerning buyers from all over the world. Vietnam-based visitor, Mr. John Moloney, Director at Instore, commented, "We're on the market for high-end indoor furniture. I've lost count of the number of times we've attended IFFS. But what keeps me coming back is the fact that here, I can find the design pieces that I need for my stores."

Besides appreciating designs that have already been commercialised, students participating in IFFS also learned

about the importance of good design in a piece. Dr. Zorica Djoković, Headmistress at Drvoart Technical School (Serbia), shared, “We came to Singapore with the objective to showcase our work. However, we’ve been pleasantly surprised with requests from manufacturers to actually produce our students’ designs! The exposure and welcome we’ve received is incredible.”

The Organisers’ introduction of the Design Hall this year that featured ambient venue lighting was met with warm reception, as it allowed exhibitors more possibilities for product presentation. The customised lighting at each booth helped draw visitors’ attention to the furniture and decorative pieces, and delivered an added touch of elegance. Commenting on the fresh take, Mr. Jerry Soo, Dean for Office of Academic Affairs at Nanyang Academy of Fine Arts (Singapore), who has attended IFFS faithfully for the last 10 years, called it a refreshing change that gave the hall a nice, cosy ambience.

Also receiving positive feedback on the show floor was the set of Design Empowers Business Seminars that was held from 13 – 15 March in the Design Hall. Ms. Jaylou Marie Hernandez, Associate Director at PTI Architects (Indonesia), who attended the plenary on intellectual property (IP) and designs, mentioned, “In the Asian region, we are generally not very aware about the idea of IP just yet. It was an insightful session and I learned a lot about how I can protect my work.”

### Improving Content & Simplifying Business Discussions

Even as IFFS evolves to include more design elements, it stays true to its core of being a trading and sourcing platform for regional and global talents and businesses. To attract and retain quality exhibitors, the Organisers recognise and reward participating companies’ efforts with Best Exhibit and Best Stand Awards. These accolades are granted to exhibitors with the best products and designs, as well as those that display creativity and ingenuity in decorating their stands. Winners were selected by a group of nine independent judges comprising designers, architects, and members of the media.



In addition, the Organisers also put in place an exclusive Hosted Buyers’ Programme to facilitate exhibitors’ meetings with important customers at the show. IFFS received some 380 VIP buyers who were nominated by exhibitors to The Prestige Club this year.

This initiative was well received by participating exhibitors and their invited guests. For exhibitors, the Hosted Buyers’ Programme allowed them to schedule meetings with their invited guests without having to deal with administrative and logistical arrangements, enabling them to focus on conducting business and networking. Members of the Club also received an assortment of perks and privileges, including complimentary accommodation, return transfers, special access to networking lounges, meals, and a ticket to the popular IFFS Exhibitors’ & Buyers’ Night.

Mr. Koh concluded, “Hot on the heels of a successful edition, the team is already working on producing an even better show in 2016, where we will co-locate with Koelnmesse’s third edition of furniPRO Asia for the first time. We are also collaborating with the American Hardwood Export Council on a sustainable campaign to promote furniture design and business in skilled manufacturing, and this showcase will make its debut at IFFS 2016. There is much to look forward to and we’ll share more details as things firm up.”

For more information on IFFS, please visit [www.IFFS.com.sg](http://www.IFFS.com.sg).

# THAILAND

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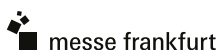
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# show review

LED Expo Thailand 2015

21<sup>st</sup> – 24<sup>th</sup> May 2015

IMPACT Exhibition and Convention Centre  
Bangkok, Thailand



Photo Credits: LED Expo Thailand

*LED Expo Thailand 2015, ASEAN's Largest International Exhibition on LED Lighting Products and Technology, receives tremendous response of intense activity throughout 4 days. Show records a footfall of 21,996 visitors or better called buyers and a record of 350 exhibitors from 13 participating international countries to showcase an array of LED products and technology including new product category-decorative lighting across 15,000 sqm. of exhibition space.*

Dr. Narongchai Akrasanee, Minister of Energy said that "the Ministry of Energy has implemented a policy concerning the Thailand's energy management in order

to promote the conservation of energy in line with the 20 Year Energy Efficiency Development Plan (2011 – 2030), which aims to reduce the energy consumption per product by 25 percent, promote the use of high efficiency electronic products and energy saving buildings, as well as develop clean energy in order to reduce greenhouse gas emissions and help reduce global warming. The plan also aims to build energy-consciousness into the minds of consumers in every sector by focusing on promoting the switch to high efficiency technology, especially to the use of LED (Light Emitting Diode) lightbulbs to increase the efficiency of lighting and, at the same time, conserving energy".



UNILAMP Co., Ltd. and Dee Lighting International Co., Ltd. Dignitaries from embassies, trade councils, government bodies, policy makers, decision makers, industry players, end users and a varied spectrum of visitors attended the show.

LED Expo Thailand 2015 highlights can be taken as major trendsetters in Thailand and the lighting device business which included Thailand LED Summit - The international conference on LED lighting product and technology witnessed high-power keynotes delivered by industry experts, policy makers, eminent representatives from the government, lighting bureaus and industry associated professionals to dozens of delegates in and open environment. Another highlight was the final round of Modern Lamp Design Contest 2015 related to LED lamp design based on the concepts contemporary luminaries and lighting design systems intended for residential & commercial lighting purposes. The winning team received a prize worth 100,000 baht, a trophy from the Minister of Energy.

"LED Expo Thailand 2015" will create a model for others and be the spark for the government and private sectors, and especially the Thai general public to understand and make the switch to LED technology creatively. It is considered to be an important measure to support the national energy conservation policy and an important part of cooperation towards energy conservation on a global level. In addition, it is crucial in driving the economy in Thailand and ASEAN through the investment into sustainable energy conservation as well," he said.

The 3rd edition of LED Expo Thailand 2015 attracted over 350 major global brands from 13 countries such as Thailand, India, China, Hong Kong, Korea, Japan, Taiwan, Malaysia, Singapore, Finland, France USA and Dubai. The leading brands showcasing their products & technology included ICE-LED Co., Ltd. / Philips Electronics (Thailand) Co., Ltd., Lamptan Lighting Technology Co., Ltd., Lighting & Equipment Public Co., Ltd., Everlight Electronics Co. Ltd. (Taiwan), Thai Toshiba Lighting Co., Ltd., OSRAM (Thailand) Co., Ltd., Racer Electric (Thailand) Co., Ltd., Eve Lighting Co., Ltd.,

For more information, please visit [www.ledexpothailand.com](http://www.ledexpothailand.com).



# Kyoto Hana-to-ro

## (Light and Blossoms Pathway)

*with ROHM Semiconductor's LED-Lighting*

Client: Kyoto City Promotion Council- 'Blossoms & Lights Pathway'  
 Lighting Manufacturer(s): ROHM Co., Ltd., Kyoto  
 Photo Credits: Kyoto City Promotion Council- "Blossoms & Lights Pathway"



**H**anatoro (花灯路, Hanatōro), in Japanese means "flower and light pathway", is a set of illumination events that take place in the Higashiyama District of Kyoto in March and the Arashiyama district of Kyoto in December.

Approximately 2500 lanterns decorate the 5 km walking pathway that leads to the foothills of Higashiyama Mountain. Taking advantage of the nature, waterfront, bamboo forest and historical cultural assets of the Saga Arashiyama region, walkway totaling approximately 5 km is rendered from the light of open air lanterns, whose shades and shadows imbue Japanese sentiment, and the blossoms of voluminous flower arrangement pieces. The created effect is a pathway that naturally beckons one to walk.

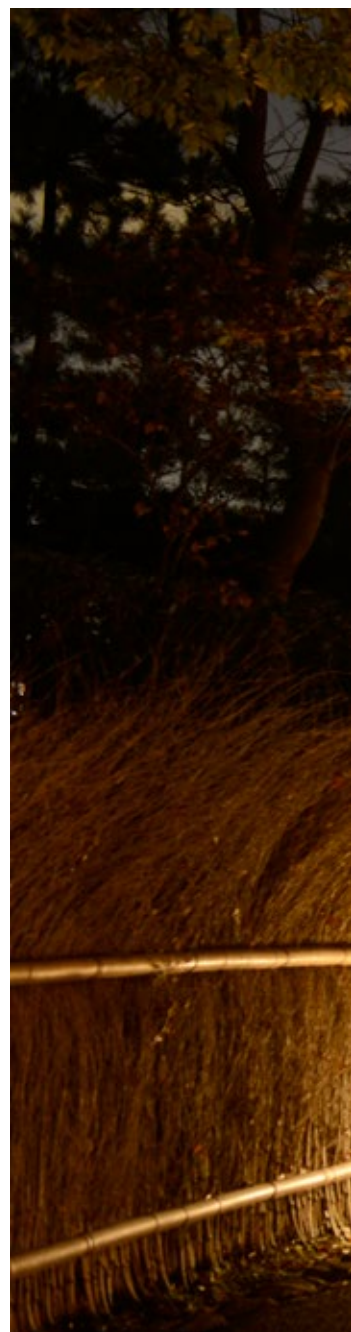
### **Higashiyama Hanatoro**

From early to mid-March the entire Higashiyama area in eastern Kyoto gears up for the fun-filled night event known as the Higashiyama 'Hanatoro'. A chance for tourists to enjoy what Higashiyama has to offer after dark when temples and stores in this traditional area are usually closed, the Higashiyama Hanatoro was held this year from March 6th to March 15th. As it gets dark the lights turn on lighting the paths all the way from historical Shōren-in temple in northern Higashiyama to the world-famous Kiyomizu-dera temple in southern Higashiyama.



A refreshing departure from traditional illumination style, Shōren-in's Shinden garden is covered in numerous small blue spheres of light whose brightness ebbs and flows against the mounting darkness. Perching on the sanctuary steps people seemed mesmerized by the soothing sight of the field of lights sparkling amidst the grass, and those walking through the garden paths always stopped to wonder for a while. After that magical sight it was hard to leave, but the inside of the temple was just as enjoyable, with tea and sweets available in the Kacho-den offering a view of a separate illuminated garden while guests enjoyed their cup of green tea.








### Arashiyama Hanatoro

A pleasant district on the outskirts of Kyoto, Arashiyama holds its Hanatoro every December. The Togetsukyo Bridge stretching across the Katsura River is a symbol of Arashiyama and the starting point for most of the walking paths around the area.

From the Hankyu Arashiyama Station you can head to Hōrin-ji and see kaleidoscopic projections on the temple buildings or head over to the riverside park on the famous Togetsukyō Bridge. Over the river you can continue on to the awe inspiring bamboo forest! With the bamboo towering overhead lit in both warm natural light and a more eerie white, you can visit Nonomiya Shrine or Ōkōchi Sansō Villa. Moving deeper in to the Saga area leads you to the temples Jōjakkō-ji and Nison-in, as well as the poet's hut Rakushisa, all of which are illuminated and awaiting your visit!

For ten days, more than five kilometers of streets around the town center and along the river are lit up by lanterns. Many temples and shrines in the area are illuminated and have special extended hours.





**About ROHM Semiconductor:**

ROHM Co., Ltd., headquarters in Kyoto, Japan, is an integrated semiconductor manufacturer, including electronics components, semiconductors, and LED lighting systems, established in 1958.

ROHM's broad portfolios of lighting products an unprecedented level of customization and flexibility, and are ideally suited virtually for any environment, from public spaces to commercial establishments and residential area.

ROHM began offering optimized LED lighting products in 2008 using the latest LED's and semiconductor technologies, along with expertise garnered from 50 years as a leading semiconductor manufacturer.

Wide-range of LED finished goods includes LED Tube-lights (190 lum/W), LED-down lights, LED-Flood Baylights, and lighting-solutions such as LED-Driver IC, MOSFET, Diodes, and power-modules. Sensors products include Ambient-light sensor, Proximity-sensor, Human-body sensor, and communication products (Bluetooth-LE, RF-modules).

# Mondeal Square

Ahmedabad City,  
Gujarat state, India

*CNBC AWAAZ Real Estate Awards, India – Won  
Prix de l'Acétylène 2014 from ACE, France – Won  
MAB14, Denmark "Money Architecture" – Nominated*

Client: *HN Safal Developers + Goyal & Co. | [www.hnsafal.com](http://www.hnsafal.com)*  
Lighting and Video Content Design: *Atelier dada | [www.atelierdada.com](http://www.atelierdada.com)*  
Lighting Designers: *Marie Ikram Bouhlef + Nirmal Jhaveri*  
Lighting Design Assistants: *Yagnesh Mistry + Rahul Mishra*  
VFX: *Sundar Mahalingam / Copyrights @ Atelier dada*  
Photography/Video: *Neha Mevada + Pratik Chandresha / Copyrights @ Atelier dada*  
Architects: *Blocher & Blocher India | [www.blocherblocher.com](http://www.blocherblocher.com)*  
Structural Engineer: *N K & Associates*  
Façade Design: *BES Consultants*  
Façade Construction: *Glass Wall Systems*  
Façade Lighting Installation: *BEPS + AHL Led*  
Landscape Lighting Installation: *BEPS*

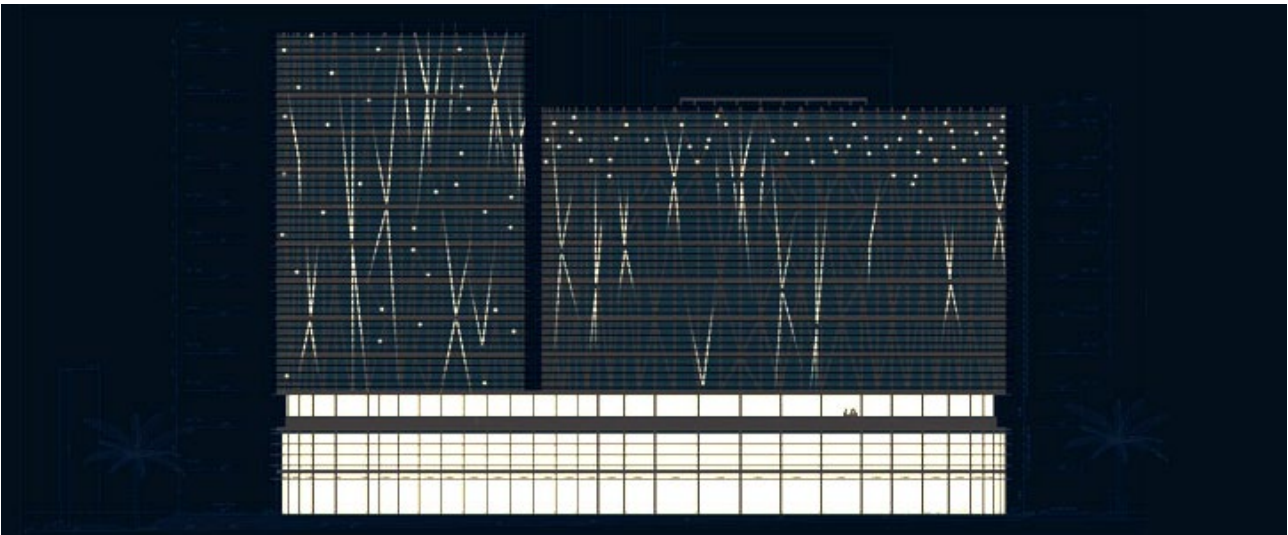
Lighting Products (Façade): *AHL, Meyer, Osram*  
*The media lines are customised version of product D32 from AHL Led.*  
*3968m of media lines covering a screen surface of 5293m<sup>2</sup>.*

Lighting Products (Landscape): *Osram/Siteco, Simes, Arluce, Unilamp, GenLED, Neo-neon*



*A commercial city in the East of India revitalizes its tradition of dealing with light and media in its new architectural landmark located in booming district SG Highway. Traditional Islamic stone screens (Jaali) has taken a new avatar with playful extruded Aluminium box section facade and glass; and the Hindu architecture's story telling stone/ wooden relief sculpture facade has donned a new avatar as digital media LED lights integrated into the facade screen members. The result is a beautiful animated play of light by sunlight during the day which transforms into a translucent highlight of LED media lights by night. During the week, it feels like facade is enjoying a gentle breeze in monochrome warm white. In weekends, it dances in joy in colour and during fourteen national holidays, it displays a contextual video content specially designed to fit the nature of the event and communicate same feeling as the inhabitants of the city. Read on to find out more about how lighting designers from Atelier dada describe the lighting concept for the project!*





What do you give to a beautiful city of past, transforming mindlessly with garish billboards, unplanned glow signage and glazed buildings who has forgotten its traditional wisdom dealing with sun and media? The old part of the city is famous for its Islamic sun screen and Hindu sculptural facades, the tradition which are climate responsive and culturally engaging both been lost now when city is growing rapidly. Atelier dada lighting designers' approach for Mondeal Square building is this to use sunshade screens in over 5000 square meter area with integrated linear media LED lights.

The project is a twin tower of 10 and 12 storey office buildings with a connecting two storey retail area, conceived by the German architects Blocher & Blocher for HN Safal developers in Ahmedabad, India.

The brief from client and architect was to realize technically the idea of the architects to integrate static monochrome lights in the façade. We took this idea further ahead with use of media lines that permit more flexibility at use and are more energy efficient with use of subtle programming.

The lights have been custom designed to fit the varying length diagonal lines of the sun shades and been fitted with custom designed press fit mounting clamps in screen box sections. The box sections were customized to keep the LED media bars flush with the profile and thus become totally integral during the day. By night, the light offers unobtrusive views for occupants even while lights are on and became an architectural element defining medium and almost a tangible part of the design.

The dynamic shape and varying screen pattern was a challenging task for programming and content design that aligns and flows with the architectural form. However, the team's technical dexterity and contextual design approach resulted into an excellent site specific content. The final media content connects with people by expressing breeze visually on building what they enjoy most by night after a hot day.

The aim for the programming of the 5h scheduled per day was to have sober weekdays light effects with gently moving geometric light content in warm white that respects nature of the building's function and particular structure.

This daily program plays periodically at each hour's start with a different animation at each hour where the light decreases gradually till extinction at midnight. This is an attempt from us to use light abstractly to mark the change of time, to connect people with the building through visual temporality and to express how thoughtful lighting design can enhance the building visual identity while using carefully the energetic resources.

The contents are more of festive nature during weekends and festival days. The monochrome warm white of the week days become colourful on Sunday and festive days.

For festivals, we prepared special abstract animations that take inspiration from the local culture. Event videos play respectively in ("Christmas" festival, festival of kite flying "Uttarayan", Republic day, festival of colours "Holi", muslim festival "Id", festival of dance "Navratri" and festival of lights "Diwali"). The innovative content design of media facade is an attempt to unit various religions by responding with artistic content for their festivals and negating the overuse of billboards in city.

The language of glowing linear light was followed throughout the landscape lighting solution in a seamless integrated manner to reveal the beauty of natural materials, to give a sense of visual comfort and maintain focus on the main built form. Be it a continuous line wrapping the whole building, continuous lines wrapping the grand steps toward the retail area, the benches and the planters in the social gathering spaces or radial lines driving toward the corporate entrance.

There are mainly three different landscape zones based on user groups. One group is shoppers who need to see the shops clearly from the road and roadside parking, second is the office executives who need very cosy light near canteen for their after office hours get-together and the third is the visitors who are coming to offices for business purpose and need to be guided properly to the entrance.

We wanted to give users a refreshing welcome for hot arid climate of Ahmedabad. We knew that people suffering from harsh tropical light by day will appreciate utmost visual comfort, so we decided to focus concealed vegetation lighting as a medium to mark a sense of territory, give a sense of direction or create an anchor point in the space. Throughout the project, our approach to lighting has been to hide lighting fixtures maximum and reveal the built elements or vegetation. This gives glare-free, soothing light, reveals the beauty of landscape elements and looks very pleasant during the day also. We have mainly used the warm colour temperatures lamps with a very high colour rendering indices, as revealing materials naturally was the theme here.

As there was enough spill light from government street poles, for all the retail areas facing the road side, we proposed not to put any







landscape pedestrian poles to give maximum visibility to the building by day. Instead, we proposed to plant tall palm trees where we can integrate some lights to accentuate the green ground cover and leaves of palm tree. Our architects rightly appreciated our design intention and provided palm tree clusters and ground cover islands around his fluid plinth steps. With adjustable tree belt mounted up & down lights, these palm tree islands became a visual treat like a welcoming green oasis by night in hot arid climate.

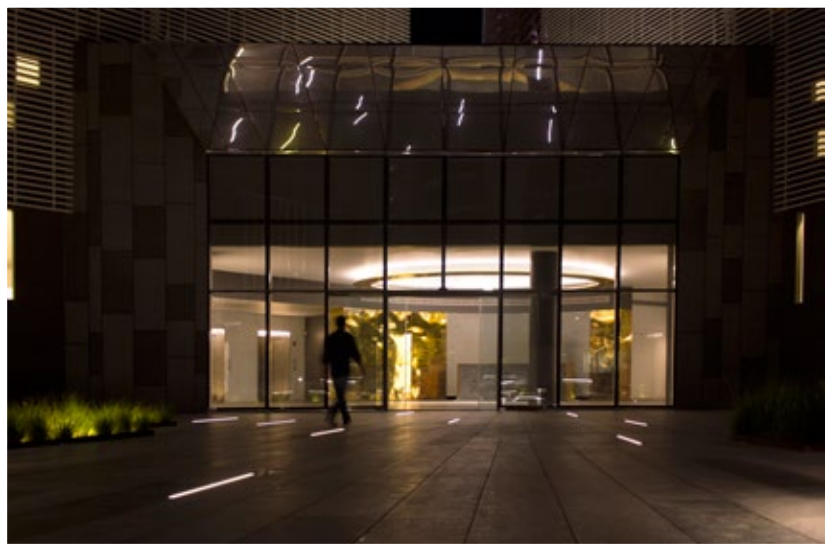
For the executive entrance, we enhanced a sense of direction that is created by the granite paving pattern with the use of diffuse linear lights that are aligned to the joints of paver stones and aim toward the foyer. Architect had envisaged some linear planters and benches also aligned to his radial paving pattern. So, to further distribute the light and add a dollop of freshness, we requested architects to give us some wild grass in the planter beds that captures the light and give a little projecting lip

around the benches that can wash the Corten steel wall of benches. The foyer being very transparent and having a generous art and brass wall, we felt this was the minimal way to direct the people towards the foyer without any conventional lighting methods. Coming out from the foyer straight at the far end one can see a cluster of granite planters with small trees and Corten steel benches lit with concealed lights as an invitation to wind up the day by the canteen. Canteen has only functional lighting to keep the focus on the low height illumination of the canteen area. Though, for the safety reasons the driveway has been lit with indirect secondary reflector based pedestrian poles. These poles also give minimal necessary ambient light but do not send any significant light to sky.

Overall, the idea of landscape lighting design was to use integrated lighting approach in tandem with architectural and landscape design concept and keep the quality of light and lighting design aligned with the soul of architecture.







Both the towers have a common executive entrance where the foyer enjoys a very good daylight and view. There is a huge glass wall facing north, and an oval shaped skylight. Brass rings in ceiling and floor and brass walls made by local craftsmen were the main elements to highlight. The unevenness of brass, the rough granite cobbled stone paving, all called for a bit informal and cozy lobby lighting. We convinced clients and architects to not have too much light here to maintain the overall relaxed feel with hidden light that is cleverly focused where people would be. Lights are shooting from the skylight directly and indirectly to give ambient light to the foyer, to mark out the reception desk and to enhance the play of brilliants given by the brass. It is integrated in signage walls and elevator frame and creates behind the counter a Light Art piece that is still in progress at this stage. Light is kept soft to further the feel of calm that one expect by night when coming out from the offices.

The spotlights are suspended above the skylight transforming it into a huge luminaire by night. This acts as a principal lighting and is supported by signage light walls and elevator frame integrated lights for further direction in the space. Due to the depth of the skylight and fritted low iron glass, they are almost invisible from any part of the main lobby and gives a very natural colour rendering.

The stairwells are very porous and naturally ventilated and forms significant part of the rear façade and act as a gateway to the lobbies. We just put the simple T5 batten luminaires on the inner façade of stairwell, aiming towards the core and asked to paint the stairwells in worm white. And we have now a beautiful lantern by night for people sitting in the canteen or entering the buildings.

All the corridors are lit with regular low glare CFL downlights to keep the budget in limit as then quality LED downlights were still too costly for the given budget.

# Bentley Bistro & Bar

Abu Dhabi

Client: Food Fund

Contractor: Golden Sun LLC

Project Manager: Food Fund

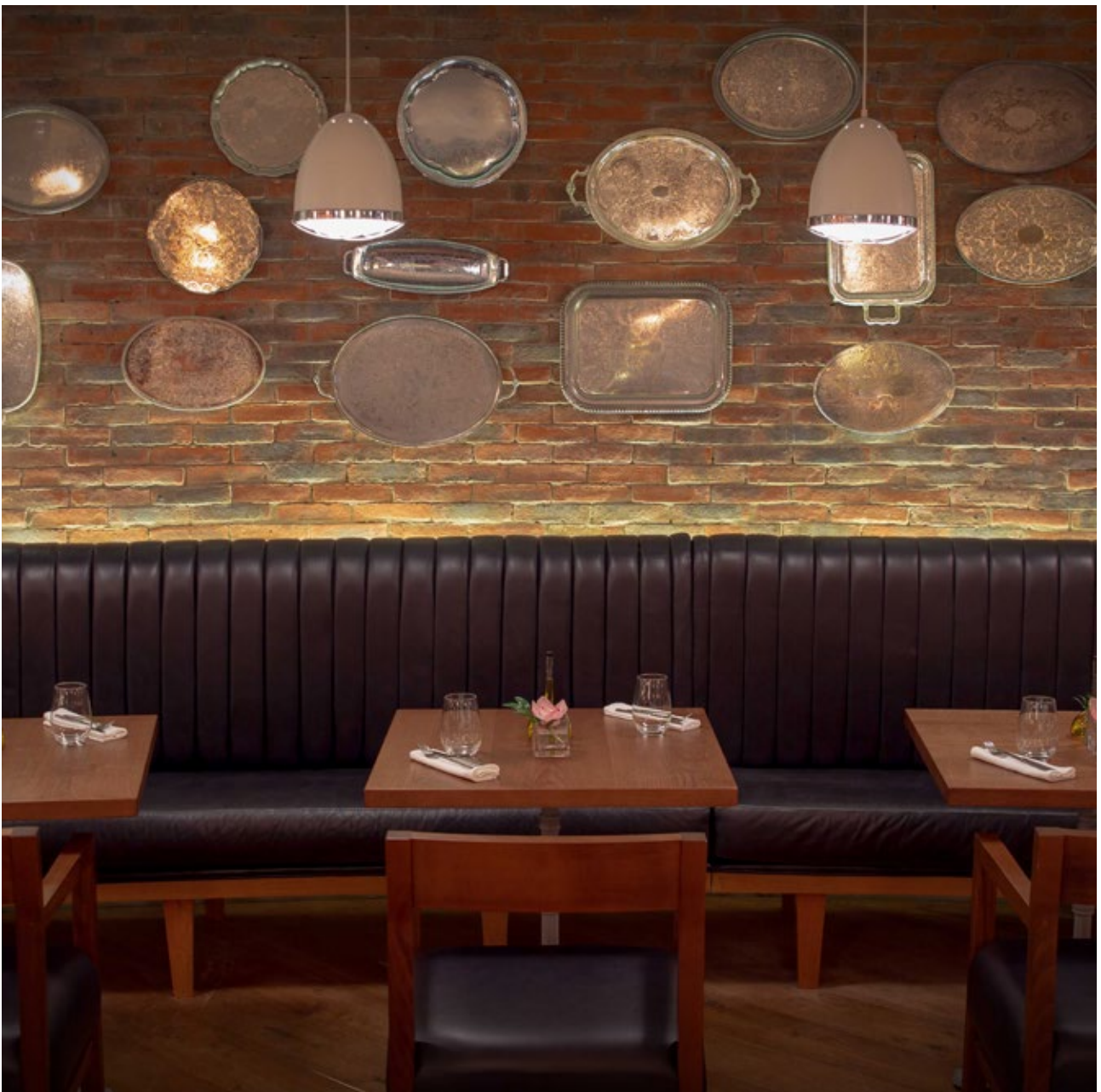
Interior Designer: Harrison

Lighting Consultant: **dpa** lighting consultants FZ LLC

Lighting Designer: David McNeil, Director

Lighting Manufacturer(s): Lucent Lighting, WK Lighting, YYZ Lighting,  
Flos, Osram, Light Projects Group

Photo Credits: Harrison





When visiting the Galleria Mall on Al Maryah Island in Abu Dhabi, no one would expect to find a cosy European bistro and bar with French-inspired cuisine between all the glamorous shopping outlets.

The Bentley Bistro & Bar identifies itself with a prominent sign at the entrance and the obscured glass front just leaves you with a suggestion of what awaits behind it. Through the double doors you enter an extended space with heritage-driven interior scheme, designed by the Interior Designer and name giver Jon Bentley of Harrisons, Realising Creative Environments.







During the design development, *dpa* worked closely together with the operator Food Fund and the interior designer to achieve a unique and remarkable interior. The lighting is visual dominated by the various custom-selected decorative pendants, wall lights and table lamps. It still was of importance to provide sufficient functional lighting to the tables and bar area, without affecting the moody ambience of the bistro and minimise the view of lighting equipment. At the slatted ceiling, suspended spotlights, hidden between the beams, provide focal glow to the tables underneath.

Concealed linear lighting compliments the carefully selected materials at the low partitions and seating furniture, where at the raised level lounge linear uplighting enhances the texture of the red brick wall.

Bentley's opens its doors from the morning to the evening. The beautiful day lit terrace invites the guests to have a cup of coffee in the sunshine, where in the evening they can enjoy a delicious cocktail at the feature bar. Without disrespect to the cultural sensitivity to alcohol, discreet lighting has been integrated to the bottle display at the back bar to provide a focal point within the scheme. The lighting has been concealed within the display to highlight the bottle labels, when the louvers are open and to create a subtle glow, when louvers are closed. ■

# Books Kinokuniya

NeoSiMS Store, Ngee Ann City, Singapore

Client: Books Kinokuniya Singapore

Contractor: Grandwork Interior

Architect: Kay Ngee Tan Architects

Project Manager: Kay Ngee Tan Architects

Mechanical Engineers: Alpha Consulting Engineers

Lighting Consultant: Lightbox+ Singapore

Lighting Designer: Lightbox+ Singapore

Photo Credits: Lightbox+ Singapore



The Singapore Main Store of Books Kinokuniya has shaped the lives of every designer, business man, thespian and lover of literature in the 20 years that it has been in operation.

Which was why shifting the iconic bookstore, from its old premises to the floor above proved to be a very challenging task. With new constraints such as a lower ceiling height and a slightly smaller circulation area, Kay Ngee Tan Architects and Lightbox+ Singapore was engaged to recreate the same familiar and homely atmosphere of the old store with the new.

### A Japanese Quality of Light

As the store design was inspired by architectural elements in a traditional Japanese house, the lighting of feature shelving and elements had to resonate with a very Japanese quality of light. Display shelving inspired by fog placed by the windows diffuses sunlight during the day and glows at nightfall. While light that cuts through tiny slots in shelving brings to mind the effect of Komorebi. Even the entrance display resembles the Tokonoma lighting concepts of Japanese houses, where light passed from one room to another through staggered windows.







### Layered Ceiling with Solid State Lighting

Intensive surveys of the older bookstore showed that while the metal halide lamps employed gave the store a very warm and welcoming atmosphere, UV emissions left the pages of books discoloured and despite the double-height ceiling, the staff found it impossibly warm to work under.

To tackle that, a shift to solid state lighting was necessary. Yet, to ensure a constant and warm atmosphere, close coordination was required to select the right downlights with the perfect temperature and rendering index as well as indirect glow of the layered ceiling using LED technology.

### Outside of The Box

As recreating the familiar welcoming mood of the old store was of paramount importance, 4 iconic Barrisol fittings that flanked the entrances were rebuilt in the new store. However, to ensure no compromise of integrity of the stretch ceiling and for ease of maintenance, lighting had to be considered outside of the box. By allowing for a high gloss back-pan and several high powered wall washers that were installed via drawers at the side, a full and even glow was produced with half the concerns of maintenance.



## EMQuartier, Bangkok, Thailand

**Client:** Books Kinokuniya Thailand

**Contractor:** Token Thailand

**Architect:** Kay Ngee Tan Architects

**Project Manager:** Kay Ngee Tan Architects

**Lighting Consultant:** Lightbox+ Singapore

**Lighting Designer:** Lightbox+ Singapore

**Photo Credits:** Lightbox+ Singapore

Unlike its Singapore store which was modelled after a Japanese house, the latest Books Kinokuniya store in Bangkok, both Kay Ngee Tan Architects and Lightbox+ Singapore were inspired by the windows of traditional Thai houses and how light flows from courtyards to private spaces. High shelves that offer peeks into the aisle next door meant for lighting to be as open and welcoming as possible and yet a sense of privacy for customers to browse through books.







### Lighting Within Grids and Pleated Ceiling

In order to illuminate all aisles, Lightbox+ and KNT Architects worked closely to develop a complex ceiling grid that hid light fittings within the gaps and air ducts of the elaborately pleated ceiling. This grid corresponded to the shelving grid below so as to eliminate any instances where shelves cast shadows upon their neighbouring shelves. The prominent feature of pleated ceiling enhanced the light.

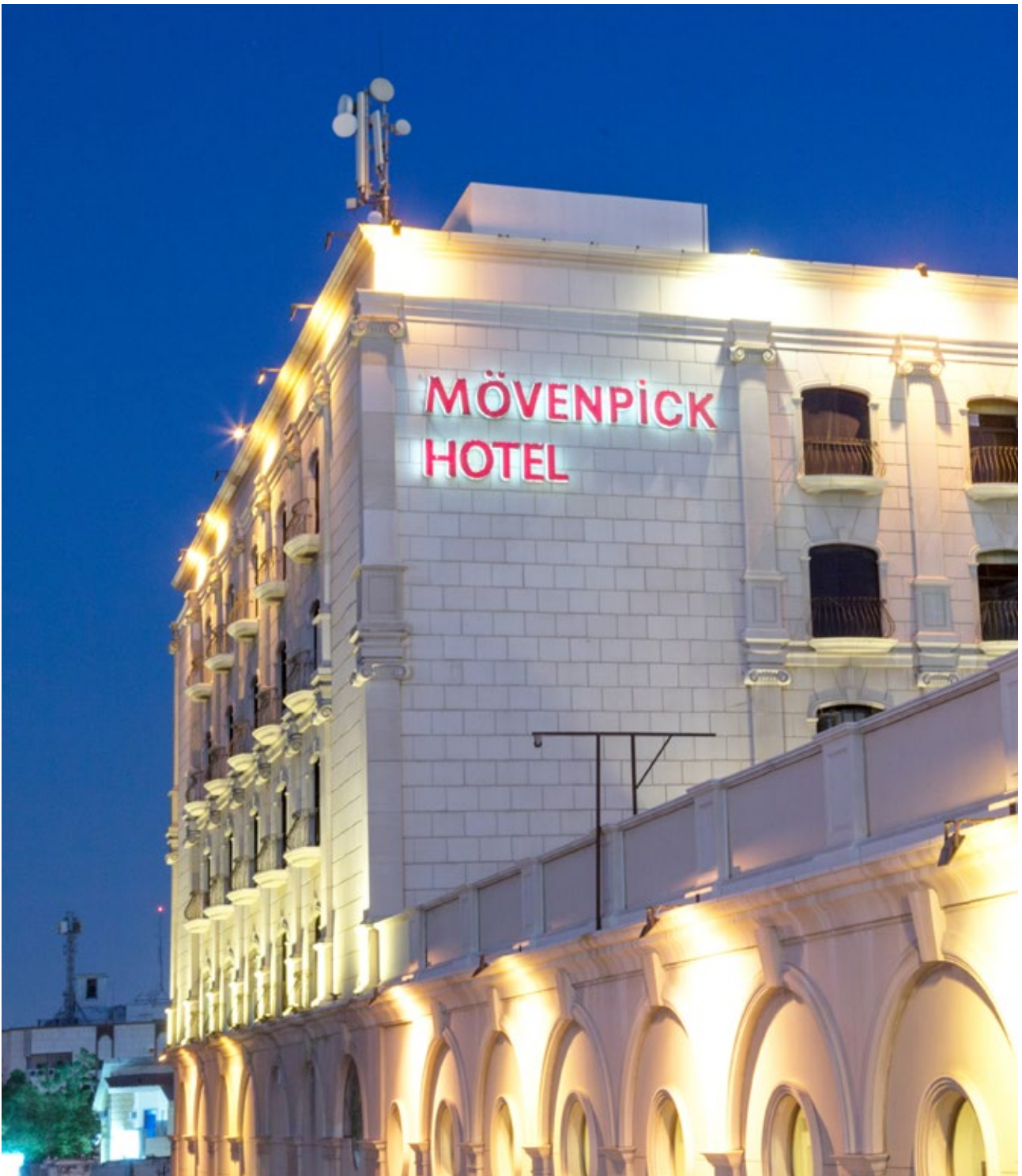
### A Home For Books

The Japanese section was housed within a long corridor with books lining both walls and displays along the centre. By using decorative elements such as very minimal looking pendant lamps to highlight the displays, the space was transformed and evoked a sense of serenity, similar to that of tea houses, where you feel at ease to take your time and get lost within the books. ■

# Mövenpick Hotel

Jeddah, Saudi Arabia

Client: Mövenpick Hotel Jeddah  
Lighting Solutions: OPPLÉ Lighting  
Photo Credits: OPPLÉ Lighting





*“All you have to do  
with the bulbs is  
install them and then  
forget about them!”*

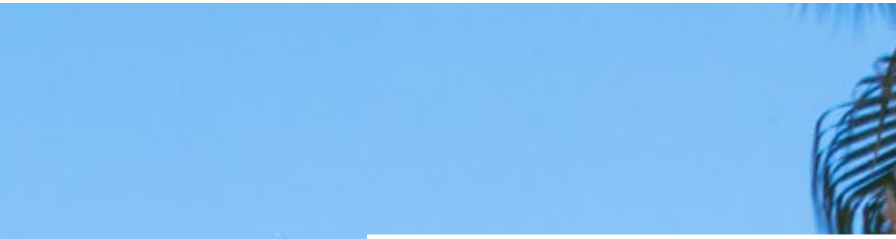
- Sameer Ismail, Chief Engineer, Mövenpick Hotel Jeddah

It's no secret that running a business means making smart choices and decreasing costs where you can. The Mövenpick Hotel Jeddah, located on the Red Sea in one of the most prestigious cities in Saudi Arabia, began thinking about the affect light was having on its customers and its bottom line. The smart people that operate the Mövenpick quickly realized the unparalleled value and benefits of LED lighting.

#### **The Lighting Challenge**

The Mövenpick Hotel in Jeddah was growing weary of the conventional incandescent lights being used to illuminate its guest rooms. Their grievances were not without merit. Incandescent bulbs are inefficient, emit significant heat and frequently need to be replaced. Mövenpick's lighting engineer was interested in the benefits of LED lighting. The hotel owner sought quick refurbishment of its guest rooms that wouldn't interfere with day-to-day business.





**The OPPLE Solution**

OPPLE suggested replacing all of the existing incandescent bulbs with its EcoMax LED bulbs that are 80% more energy efficient. OPPLE won the bid due to its stable product performance and competitive pricing. The OPPLE bulbs were installed in over 120 rooms as well as in the hallways.

**Benefits**

OPPLE EcoMax LED bulbs require low maintenance. In fact, since the Mövenpick installation a year and a half ago not a single light has been replaced or repaired. LED's long lifespan make them an investment that will last for years to come. Excellent efficiency and decreased heat output reduces energy consumption and saves money. Sameer Ismail explains, "We used to set the air conditioner at 17°C to keep the rooms cool, but now 20°C is enough. The return on investment is great!" Previously the Mövenpick used metal halogen lights, which lose 95% of their energy to heat dissipation. At most 10% of the energy used is lost to heat dissipation with LED lights. The success of this project has inspired the hotel's lighting engineer to use OPPLE downlights to replace all the traditional lighting panels in the hotel. ■

# Niigata City Aquarium “Marinepia Nihonkai”

Niigata Prefecture, Japan

Photo Credits: Iwasaki Electric Co Ltd Japan



*The lighting fixtures installed in the tank top sections are LED high-ceiling lighting fixtures (LEDiOC CEILING HB)*



*The coral reef tank. Power-saving LED light has recreated the image of natural light penetrating sparkling water*



*High-output LED floodlights (LEDioc FL400) have been installed in the large Sea of Japan tank, which has a water capacity of 800t*

Niigata City Aquarium "Marinepia Nihonkai" is one of the largest aquariums on the Sea of Japan side of the country. It is also a place where visitors can encounter 450 kinds of aquatic life across 20,000 specimens. Marinepia Nihonkai had been an old aging facility before the upgrade was completed and the Aquarium re-opened in July 2013.

A variety of renovation work was carried out, including the new installation of the "Niigata Field" outdoors display, which is modeled on the variety of natural environments found when heading inland from an ocean shore, such as paddy fields and dune lakes. The revamp has led to the aquarium's rebirth as a place where visitors can get closer to aquatic life as found in both oceans and rivers. Inside



the aquarium, a new viewing window also has been installed in the large Sea of Japan tank. The lighting and pseudo-rocks were replaced and more fish were included in the display. Niigata City's intention in planning the renovation was to give consideration to power savings too. So, apart from special lighting such as that for raising coral, the main light sources were upgraded from metal halide lamps to LED lighting. Appropriately matched LED lighting fixtures were installed for each water tank, including LED high-ceiling lighting fixtures (LEDioc CEILING HB) for the tank top sections, LED small spotlights (LEDioc FLOOD NINO), and high-output LED floodlights (LEDioc FL400) for the



Sea turtles and filefish swim around in the coral reef tank, which is lit with LED high ceiling lighting fixtures (LEDioc CEILING HB), highlighting the charm of the ocean world

5m deep large Sea of Japan tank. The combination of LED lighting has created a comfortable tank lighting environments while still meeting power-conservation expectations. The unique feature of LED light is that it is highly directional. This feature has been put to good use to recreate scenery reminiscent of natural light shining through the water's surface. As a result, a combination of large-scale power savings and high quality lighting effects has been achieved. The long life rating of LED lighting systems will mean less labor compared with what is required in changing traditional lamps and this reduced maintenance requirement had been a key selection criteria in choosing LED options. ■

# Pompelle Fort

Reims, France

Client: City of Reims

Contractor: Guerineau Reims

Architect: Atelier Chirsophe Lab

Project Manager: BLP Architectes

Structural Engineer: N/A

Lighting Consultant: N/A

Lighting Designer: Akari-Lisa Ishii - I.C.O.N.

Lighting Manufacturer(s): Artemide, ACDC (ATEA), BEGA, i Guzzini etc.

Photo Credits: Akari-Lisa Ishii

*Received an Award of Merit from the Illumination Engineering Society*





The Pompelle fort, in Reims (France) was renovated (the 1st phase in 2014, and the second under going). Lighting designer Akari-Lisa Ishii won the competition with Parisian architect team, Atelier Lab.

This Fort was built in 1883 to protect the region of Reims. The fort is a sadly privileged witness of European fratricidal wars. Widely used and bombed during the 1st World War, it is indexed "Historical Monument" in 1922.

After the war, the fort was abandoned for almost forty years. Then, it was bought by Veterans, which later give way to the City of Reims. The municipality converted it into a museum. At the occasion of centenary of the War, they decided to renovate entirely including light scheme.

In view of this particular context, it was very important that lighting design partially preserves melancholy of the site.

"We therefore thought to involve the visitor in the historical context where light paths used to be created by soldiers' lanterns at that time. An amber hue, like the light of a candle reveals the intimacy and grief of those old stones".

Upon arrival, we see the flags flying on the forecourt of the fort. To give value to them, floor recessed spots were placed at the foot of every mast. Through their oval lens, they provide an ellipsoidal light beam, so that the flag could be lit at any wind direction.

When you arrive on site and approach this historic monument, the ruins are revealed under amber colored floodlight (2200K), which gives a certain emotion in relation to the tragic fate of soldiers officiating here under the French flag. To do this, 12 LED floodlights 30W, dispatched here and there in the trench, to light up the stonewalls.

The pathway from the parking to the museum entrance was under constrain of disabled people's security regulation, thus 20 lux in average was required. Our challenge was to avoid any high mast poles in this part, so to privilege the panorama view from the fort hill. A series of bollards with a specific photometry distribution was carefully selected and implanted along the path in order to satisfy the requirement. In the continuity to that, the bridge is lit by LED line light so to invite visitors to enter the ruins, today transformed into a museum.





Unlike usual fine-art museums, the aim in this site was to find the best balance between architectural evaluation by ambient lighting and highlighting objects in exhibition. So, the close coordination with the exhibition designer Christophe Lab was very important.

In the exhibition area, limestone is magnified by high quality and warm white light (3000K), provided by lighting fixtures discreetly and harmoniously integrated in the exhibition and architectural structures.

Under the vault arches, custom designed suspension lighting system satisfies three objectives: to light up the volume in general, to magnify its arches and to bring light to the exhibition.

To reveal the scenography and the exhibited objects, few specific things are realized. In collaboration with the architect, a specific lighting effect are installed at the old skylight well, allowing visitors to experiment the life inside of the Fort in the past, with this natural light. High power LED spots are hidden inside the well to simulate the daylight penetrating Inside of this entirely sealed and dark space.

Besides, a sound and light spectacle shows up the representative collection of helmets, unique in the world, which includes 560 hairstyles of the German army.





This project was very interesting to realize but also technically difficult because of tough the site condition such as high humidity required a special attention to execute the project (IP44 even in interior).

Also, high CRI, small size fixture and flexibility to the future exhibition changes were also taken into account. Moreover, Reims region is known for its very acid soil quality, which could be very severe for any kind of metal. All lighting equipments such as poles, bollards, floor recessed etc. are protected by a concrete block to avoid direct contact of soil and metal.

Majority of light source applied was LED to be environmental and maintenance friendly. The energy consumption for the total site (interior and exterior) is 0,88W/m<sup>2</sup>. The budget for electricity & lighting was 11 700€. ■

**Akari-Lisa Ishii** is a lighting design expert based in Paris and Tokyo, specialized in large range of lighting consultation and light art creation from urban lighting master planning, architecture floodlighting, divers interior spaces, lighting event, even to stage lightings.

With her company I.C.O.N., she develops lighting projects on various fields, for which she won several awards on light design (IES Awards of Merit, Trophée Lumiville).



Certificated lighting consultant by IESJ, she leads project management and creation with her artistic inspirations based on international experiences and inter-disciplinary studies on fine arts, architecture, and design, as well as on challenging spirit using new expression of light and its technologies.

Activities expand to presenting articles in many professional magazines in all over the world, and giving cultural & educational lectures about lighting design internationally, paintings and photography expressions with light etc.

A literature magazine (Bungeishunju) selected her recently as one of the 120 most representative women of Japan.

# 55 Princess Street

Manchester, United Kingdom

Project Manager: Powell Williams

Architect: 5Plus

Lighting Designers: Hoare Lea Lighting

Contractor: Flexible Business Interiors

MEP Consultant: Hoare Lea

Fund: Benson Elliot

Asset Manager: Cube Real Estate

Photo Credits: Redshift





**55** Princess Street offers high-quality office accommodation in the heart of Manchester. Arranged over seven storeys, and comprising 56,476 sq ft, the building was acquired by Benson Elliot Capital Management in 2013, who instructed Cube Real Estate to asset manage on their behalf.

The building has recently been further enhanced by its new owners, with Hoare Lea Lighting commissioned by 5Plus Architects and project manager Powell Williams, to create a lighting solution to revitalise the internal spaces, including the reception and office areas.

#### Reception

To enhance the experience of arriving at 55 Princess Street, the double-height entrance reception has been given a significant overhaul. David Linville-Boud, Executive Lighting Designer, Hoare Lea Lighting comments, 'Linear LED lines of light, supplied by NJO, now run from outside, through the front glazing and along the length of the reception. Incorporated into the architectural detail to give a high-quality finish, these draw the eye to the reception, announcing that the building is open for business.'

To give it prominence, the new desk is fitted with integral kick-zone lighting, by Osram. Three 'Box' pendants by Schmitz, suspended above the desk, provide illumination to the worktop, while adding brightness and drama

to the reception space.

An acoustic treatment to the underside of the first floor walkway provided an opportunity to integrate high-efficiency Etap LED downlights with integral emergency lighting. These raise the ambient internal illumination, while maintaining a clean appearance.

The existing cove detail was cleaned and relamped to provide a wash to the internal reception wall and a lit element within the glazed section of the upper walkway now adds vertical illuminance to the ground floor and a lit feature to the first floor walkway.

The reception waiting area was remodelled to include a bookcase designed to incorporate lighting on the shelves. This adds warmth, giving the space a relaxed, domestic feel.

Along the soffit on the upper level of the reception, linear fluorescent luminaires (by Fagerhult) are aligned to provide ambient illumination and a bright visible light source. This installation continues along the length of the reception and out onto the external canopy, complementing the lines of light and visually linking external and internal spaces.

Tungsten halogen lighting within the lift lobby and toilet lobbies, has been replaced by LED downlights (by Luxonic) to give continuity to the spaces.

### Office Space

The office floor plates had suffered from high contrast ratios between the glazed sections and solid sections of wall. This created the appearance of a 'dark' space, even though the task lighting was sufficient.

David Linville-Boud, Executive Lighting Designer, Hoare Lea Lighting explains: 'To balance this contrast and raise the visual impression, linear fluorescent wall washing (by Luxonic) was added to the solid perimeter panels; this reduces the contrast between the panels and the glazing. Careful detailing has allowed the luminaires to be concealed, creating a glow down the panels without the distraction of visible light fittings.'

Years of maintenance had resulted in mismatched lamp specifications. The floor plates were therefore relamped to ensure light levels were as intended in the original design and that lamp colour temperatures were consistent.

Claire Hawkins, Architect, 5plus Architects comments, 'Hoare Lea Lighting were an integral part of the team - their design was pivotal in transforming the reception area, increasing the visibility of the building entrance and lifting the office spaces through an efficient and effective design.'





### Light Well

A light well at the rear of the building separates the listed façade from the internal office space. This created a high contrast ratio between the lit floor plates and the light well.

High performance floodlights (by ACDC) were incorporated into the light well – these are mounted on the office façade, in order to preserve the listed façade. The floodlights project up the light well, illuminating the complex space and eliminating the contrast problem.

### Toilets

The lighting technology in the toilets was out-of-date and the space appeared gloomy. Tungsten halogen downlighters were replaced with high-efficiency LED fittings (by Luxonic) and additional fittings installed to complement the architecture. Existing lighting that was retained was cleaned and relamped.

### Changing Rooms

With the addition of bicycle storage, it was necessary to provide changing facilities and showers, and Hoare Lea Lighting worked alongside colleagues at Hoare Lea, who provided building services for



this area. These new spaces required a lighting solution that tied in with the rest of the building. The changing rooms were designed to complement the refurbished toilets and lighting provided by Luxonic and Photonstar, provides a clean and bright space in the basement location.

Summing up Hoare Lea Lighting's contribution, Jonathan Lawes, Director of Cube Real Estate said: 'The lighting solution designed by Hoare Lea Lighting has assisted in transforming the whole building and we are delighted with the result.' ■

# Tokyo Skytree

Tokyo, Japan

**Contractor:** Tobu Tower Skytree Co., Ltd.

**Architect:** Designed and Supervised by Nikken Sekkei LTD

**Structural Engineer:** Nikken Sekkei LTD

**Lighting Consultant:** Hirohito Totsune

**Lighting Manufacturer(s):** Panasonic Corporation Eco Solutions Company



The TOKYO SKYTREE is a digital terrestrial broadcasting tower in the Oshiage area of Tokyo's Sumida ward that opened in 2012. Its total height of 634 meters makes it the tallest free standing broadcast structure in the world, overtaking the 553.33-meter CN Tower in Toronto. And it stands as the second tallest building in the world after Burj Khalifa in Dubai, which measures 828 meters.

The design concept is based on Japanese aesthetics, incorporating history and the local downtown features, but at the same time, a plan representative of the present age. It was also designed to have the beauty of shades expressed in the form of an environmentally friendly lighting system.

However, Panasonic has to overcome several challenges to achieve the lighting effect and needs of the tower. The lighting system needs to achieve:

- Accurate reproduction of the colour needed for the lighting design
- Long distance light exposure with minimum leak to reduce glare in the sky and surrounding households
- Quality design to withstand the elements
- Easy regulation and servicing



© TOKYO-SKYTREE



With 1,995 LED lighting fixtures and an LED lighting display system realised by Panasonic's cutting-edge technologies and collective strengths, Panasonic illuminates the 634-meter tall TOKYO SKYTREE in two lighting styles - "Iki", the lively spirit and "Miyabi", the aesthetics that have been fostered in Edo, now Tokyo over the years.

Six types of high-quality and long-lasting LED lights were installed, each developed for the specific needs of the tower. They reflect Panasonic's exclusive technologies, including light distribution, high-precision colour reproduction and heat distribution.

Panasonic's Total LED Lighting Solutions not only offers excellent quality of light and energy savings, but also promises reliability, which is a great advantage for lighting installed at high altitudes. ■

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# McEuen Park

Idaho, USA

Lighting Design: Trindera Engineering  
Lighting Solutions: Luminis  
Photo Credits: Mike McCall, McCall Media



In busy downtown Coeur D'Alene, Idaho, McEuen Park's sprawling green space overlooks the beautiful Coeur D'Alene Lake. Once obscured by a public parking lot, the view has been transformed, with utilitarian asphalt replaced by a picturesque plaza offering an unparalleled lookout across the waterfront. And that's not all that has changed.

Only a few short years ago, the Parks and Recreation department of the city set about redesigning the large, underutilized green space in the city's center, which hosted a baseball diamond and little else. Their mission was to transform the area into a user-friendly and tourist-friendly hub that would breathe new life into the vast landscape and unite people of all ages and abilities looking to play, relax and enjoy a peaceful respite from the hustle and bustle of the city.







Their mission was a success. In May of 2014, the new McEuen Park was officially unveiled to the public. Boasting 20 acres of land, the park features impressive amenities such as a playground, an environmentally and safety-conscious Splashpad with water features, basketball, tennis and pickleball courts, an off-leash dog park, a Veteran's memorial, the Avista Grand Pavillion, Grand Plaza, Rotary Harbour House and a four acre grassy area. The park also hosts an underground parking lot for 430 vehicles, a boat launch, mooring facilities and a section of the 60-mile Centennial Trail that runs through its middle.

Effectively lighting a park of this scale was an essential component. Contracted to help with the lighting redesign, Coeur D'Alene's Trindera Engineering aimed to define the park's key spaces while maintaining respect for neighbouring areas. The firm set about lighting a space with light levels and aesthetics appropriate to the surroundings.

"We were inspired by full-cutoff LED lighting that would protect the dark sky and deliver adjustable lighting levels that would reduce light trespass into residential areas," explained Barbara Barker, Principal at Trindera Engineering. "Overall, we were interested in lighting areas that needed lighting."

Trindera partnered with Luminis, and created a lighting design to highlight the park's amenities, as well as its walkways and the Avista Grand Plaza. Chosen for its impressive LED light fixtures, Luminis not only provided durable and sustainable luminaires, the company also supplied its aluminum lighting poles with powder-coated wood grain to match the surrounding landscape.

“We chose Luminis because of the characteristics of the light fixtures and the aesthetics they provided,” said Barker. “The LED luminaires are not only environmentally-friendly, they also look beautiful.”

Trindera opted to use Luminis’ award-winning MayaLED series of luminaires, installing over 130 MayaLED MA14SH within the parking lot, down the Grand Plaza and along the roadways. Artfully blending aesthetics with optical performance and energy efficiency, the MayaLED light fixtures combine sleek design with consistent lighting performance for over 80,000 hours.

Additionally, along the walkways, the wood-finished aluminum pole luminaires light paths safely and efficiently while echoing the natural environment.

Providing high-quality, consistent lighting, Luminis’ LED luminaires are sustainable and long lasting, making them a cost-effective and green lighting solution. The precise directional lighting offered by the chosen luminaires in McEuen Park ensures the surrounding dark sky and neighbouring areas are protected, while delivering the exact lighting levels necessary to light the way.

“We are ecstatic with the results,” said Barker. “With Luminis’ help, McEuen Park has been transformed and the public response has been phenomenal. We couldn’t be more pleased.” ■



# Cree Adds Intelligent Color to SmartCast<sup>®</sup> Technology

By Cree, Inc  
[www.cree.com/smartcast](http://www.cree.com/smartcast)



Cree, Inc. reinvents intelligent lighting with the introduction of field adjustable color temperature for SmartCast<sup>™</sup> Technology-enabled CR Series LED troffers, delivering a dynamic and customizable lighting experience for building managers and occupants. The first of Cree's industry-leading luminaires to feature instantly adjustable color temperatures, Cree's groundbreaking SmartCast Technology combined with its TrueWhite<sup>®</sup> Technology allow for superior color quality and consistency while providing greater flexibility to control illumination at no additional cost.

"Cree is relentless in its approach to LED innovation, delivering more intelligent illumination for superior, customized lighting experiences without compromise," said Norbert Hiller, Cree executive vice president, lighting. "The new field adjustable CCT feature demonstrates the next-generation of controllable lighting by being more flexible to individual needs and preferences, while delivering exceptional efficacy and value."

In combination with the intuitive and easy-to-use SmartCast Technology, Cree luminaires featuring field adjustable color temperature enhance commercial building design by eliminating the need to decide on color temperature at the onset of installation. With the ability to choose from 3000K to 5000K in 500K increments, SmartCast Technology-enabled CR Series LED troffers enable the use of only one troffer type in any space regardless of lighting preference. The result is simplified specification, ordering and installation with a lighting-control system that reduces energy consumption by more than 70 percent\* allowing customers to easily realize the full promise of LED lighting controls.



"Cree continues to transform what's possible for our interior lighting applications with high-performing LED solutions that create the flexible and customized lighting experience that our teams desire to be more productive. While our teams see this value, I can also deliver value and bottom-line savings with these lighting capabilities," said Michael J. Malloy, Senior Manager, Global Facilities Management, Extreme Networks. "These innovations will change the way we operate our business."

The CR Series LED troffers with SmartCast Technology offering field adjustable CCT are sold through Cree lighting sales channels throughout the United States and Canada. Please visit [www.cree.com/smartcast](http://www.cree.com/smartcast) to learn more.

*\*Compared to traditional fluorescent luminaires without SmartCast Technology.*

# Legrand Launches Hubbardton Forge Line As Part Of The Adorne Collection

By Legrand  
[www.legrand.us/adorne](http://www.legrand.us/adorne)



*First-of-its-kind collaboration introduces six stunning wall plates that match handcrafted light fixtures*

Two lighting industry leaders have collaborated to combine a 6,000 year-old art with leading edge, touch-sensitive technology. In doing so, Legrand is continuing to reinvigorate the lighting controls category with elegant design, ingenuity, and now—unparalleled craftsmanship. The company has teamed up with Hubbardton Forge, renowned modern American blacksmiths specializing in hand-crafted lighting fixtures. The result: six lustrous metal wall plates forged by fire, creating the Hubbardton Forge line as part of the adorne® collection.

The wall plates coordinate perfectly with the rich array of metals and finishes in Hubbardton Forge's portfolio, which includes chandeliers, lamps, pendants, sconces, and more. This first-of-its-kind approach yields a visual and tactile match between light switches and light fixtures—two items that function together but had never before been designed for each other.

"Since its inception, the adorne collection has changed the paradigm of the light switch from something ordinary to truly exceptional, both in terms of design and functionality," said Amy Hahne, vice president of the adorne collection. "We've raised the bar again with this exciting collaboration—the new wall plates are stunning on their own, but are taken to a new level of aesthetic appeal when synchronized with a Hubbardton Forge light fixture."



The bold wall plates present a visual identity showcasing a depth of textures and color.

“These adorne wall plates, just like every item created at Hubbardton Forge, are borne from nearly 2,000 degree heat, driving impurities from the steel resulting in a striking textural expression that makes each piece unique,” noted David Kitts, Director of Design for Hubbardton Forge. “We’re thrilled to present this line in collaboration with Legrand that embodies our shared values of artistry, integrity, and enduring value.”

The variety of finishes fit any style, from traditional to transitional to modern. They are:

- **Black** – an opaque finish coats this plate’s rich textural profile in a color that is clean, crisp, and a classic design standard.
- **Natural Iron** – a sumptuous, silvery finish gives this plate design versatility.
- **Mahogany** – a richly tinted clear coat of translucent finish offers a window to the metal beneath.
- **Dark Smoke** – this translucent finish lends a lavishly dark patina while allowing the natural textural nuances of the steel to have the starring role.
- **Burnished Steel** – a gorgeous translucent finish that elevates the metal’s natural color, resulting in a stunning presentation.
- **Bronze** – a warm, translucent sheen shows off the steel’s original finish while drawing out a classically colorful hue.

To learn more about the Hubbardton Forge line as part of the adorne collection, or to find a showroom near you, visit [www.legrand.us/adorne](http://www.legrand.us/adorne).

# Young Living Essential Oils Showroom

Tokyo, Japan



Category: **Retail, Hospitality**  
Client: **Young Living Japan**  
Lighting Designer: **Modulex**  
Flower Coordinator: **Sou Atelier**  
Featured Product: **Nano Liner XB, Butler XT2**  
Photo Credits: **Nacasa & Partners Inc**

Young Living Essential Oils is world renowned for its essential oils and oil-infused nutritional supplements. The company has recently opened a new showroom in Tokyo, Japan that helps to rediscover peace, balance, and joy. A well-designed, flourishing living wall is featured in the showroom, which provides a strong impression of natural life. Ten pieces of Traxon Nano Liner XB-27 RGB are used to illuminate the living wall of dried lavender, the most popular fragrant essential oil of the company, that adds additional color and texture that would not go out



of fashion. From the sweet aroma to the stimulating fragrance, Young Living offers different products in different color of packaging, so does its lighting design effects. Enabled by e:cue Butler XT2 and Glass Touch T12 user interface, users can play a selection of themed, preprogrammed lighting effects including rainbow color changing and summer breeze, or customizing for various promotions. This project has received numerous awards for its intriguing and inspiring design including JCD Design Award Best 100, DSA Award 2014, and SDA Award 2014.

# TALEXXd driver Premium

By Tridonic  
www.tridonic.com

*The PREMIUM TALEXXdriver series has been designed to keep pace with rapid developments in LED technology and offers an extremely high degree of flexibility. It features the new digital "ready2mains" interface which uses the existing mains cable for data transfer. Different casing versions and output classes with application-optimised operating ranges make the LED Drivers ideal for a wide range of professional LED solutions.*

Luminaire manufacturers, electrical contractors and potential users all benefit from the features of this new LED Driver series. TALEXXdrivers in the PREMIUM series can adapt to different lighting requirements with a high degree of flexibility either via the familiar one4all interface or via the digital ready2mains communications interface. This new interface enables digital data, such as configuration parameters, to be transferred directly by means of the mains cable. Upgrading an existing non-dimmable luminaire installation to the latest dimmable LED generation is made easier with ready2mains as there is no need for any new cabling in the ceiling.

Thanks to ready2mains it is now easy to configure control gear with manually settable output current and integrate it in existing test equipment. The advantages over the old method of setting the current manually are obvious. Data transfer is rapid and much less susceptible to error because no manual operations are required at all. Simple integration in automated workflows results in huge potential cost savings in the production of LED luminaires. Nevertheless, TALEXXdrivers in the PREMIUM series can still be programmed via the DALI interface and manual resistance plugs can still be used.

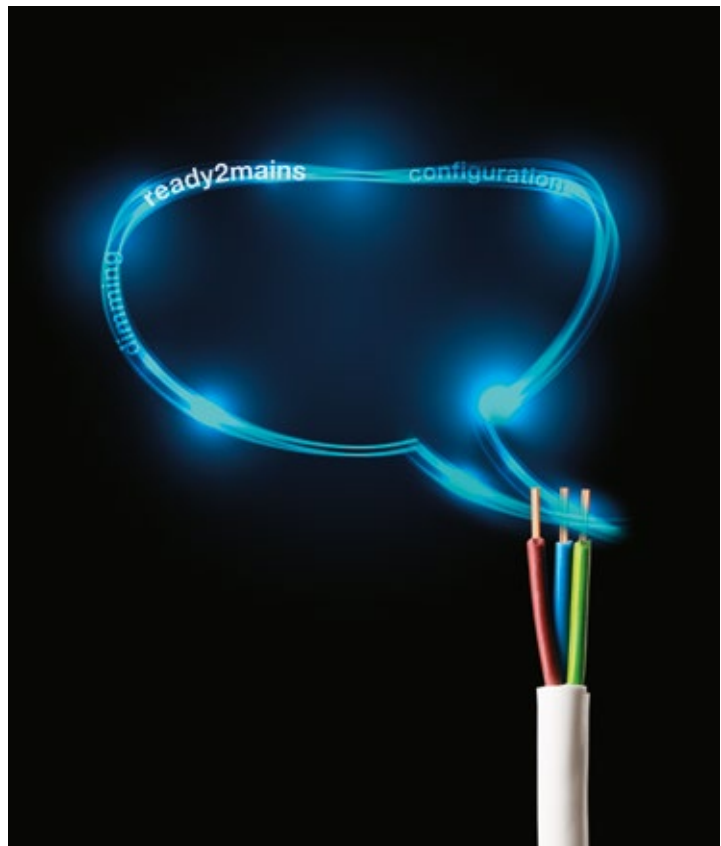
A choice of compact casing designs – C, SR and SC – means that the most appropriate can be used for each type of luminaire. This is of great benefit, particularly in shop applications where space is often tight. Linear low-profile (lp) designs are ideal efficiency-based office applications. Thanks to their dynamic operating ranges they cover the entire output spectrum with maximum efficiency.

The one4all interface continues to be available and adds DALI, DSI, switchDIM and corridorFUNCTION functionality. Other features include a significant increase in efficiency, low standby losses and reduced dimensions.

The first three products in the PREMIUM series are linear low-profile devices:  
LCA 50 W 100-400 mA one4all lp PRE  
LCA 75 W 100-400 mA one4all lp PRE  
LCA 100 W 250-700 mA one4all lp PRE



Photo Credits: Tridonic



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# Protect Your Loved Ones with 10mA Switched Residual Current Device (SRCD) Socket Outlet

By ABB Low Voltage Division



## 10mA SRCD for All-Round Protection

At home, children are particularly vulnerable to electric shock through electrical appliances and socket outlets.

Based on IEC 60479-1 Standard "Effects of Current on Human Beings and Live-Stock", small currents up to 8mA (equivalent to current flowing through a 1-watt lightbulb), could affect a child's muscular functionality and makes it difficult to let go of conductive parts.

The risk of electric shock will be amplified when there is a reduction in body resistance, for example, wet or weak body conditions.

ABB Extra Safety 13A socket outlet with 10mA SRCD protects against direct and indirect contact against earth faults. It switches off the electricity in a fraction of a second if you get an electric shock, providing extra safety and peace of mind for your loved ones.

### Applications:

- Healthcare
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- Eldercare
- Residential
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- Datacentre / Finance
- Discrimination

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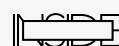


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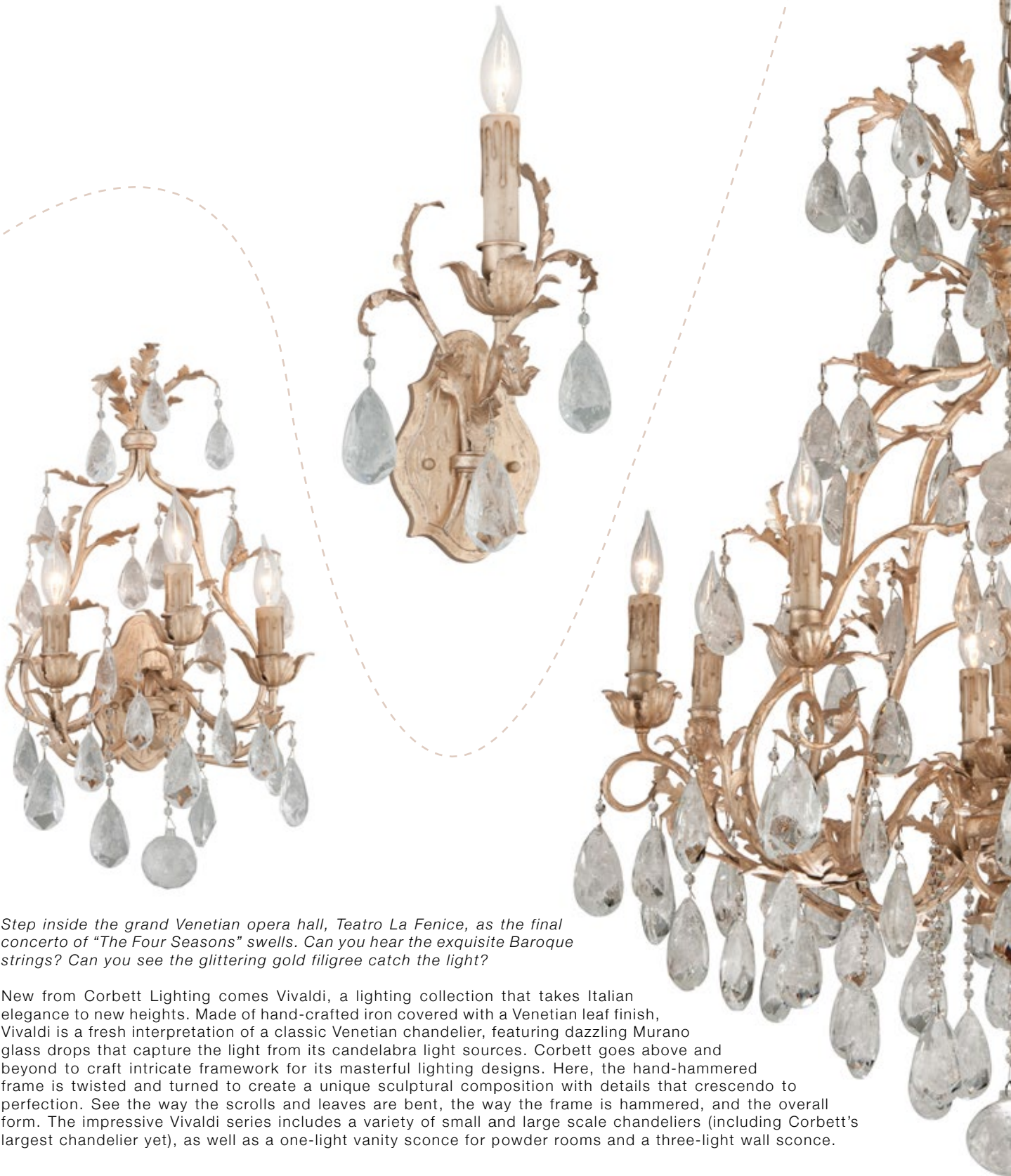


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# Vivaldi Chandelier Collection

By Corbett Lighting  
[www.corbettlighting.com](http://www.corbettlighting.com)



*Step inside the grand Venetian opera hall, Teatro La Fenice, as the final concerto of "The Four Seasons" swells. Can you hear the exquisite Baroque strings? Can you see the glittering gold filigree catch the light?*

New from Corbett Lighting comes Vivaldi, a lighting collection that takes Italian elegance to new heights. Made of hand-crafted iron covered with a Venetian leaf finish, Vivaldi is a fresh interpretation of a classic Venetian chandelier, featuring dazzling Murano glass drops that capture the light from its candelabra light sources. Corbett goes above and beyond to craft intricate framework for its masterful lighting designs. Here, the hand-hammered frame is twisted and turned to create a unique sculptural composition with details that crescendo to perfection. See the way the scrolls and leaves are bent, the way the frame is hammered, and the overall form. The impressive Vivaldi series includes a variety of small and large scale chandeliers (including Corbett's largest chandelier yet), as well as a one-light vanity sconce for powder rooms and a three-light wall sconce.



# New LED Lighting for Avenida Diagonal Barcelona

By SALVI

[www.salvi.es/en/](http://www.salvi.es/en/)

The LED luminaire “Lan” has been designed for modern & high-efficiency energy project in Barcelona.

The Avenida Diagonal Barcelona is a major arterial road in both directions of in Barcelona., Across the entire city center the new avenue intended to reflect sustainability, efficiency and dynamism.

Salvi’s challenge has been to provide a solution to outdoor lighting with different functionalities and heights, seeking excellence in lighting and user comfort and high energy efficiency. The project includes a total of 170 LED lights, 6 & 9 meters high.

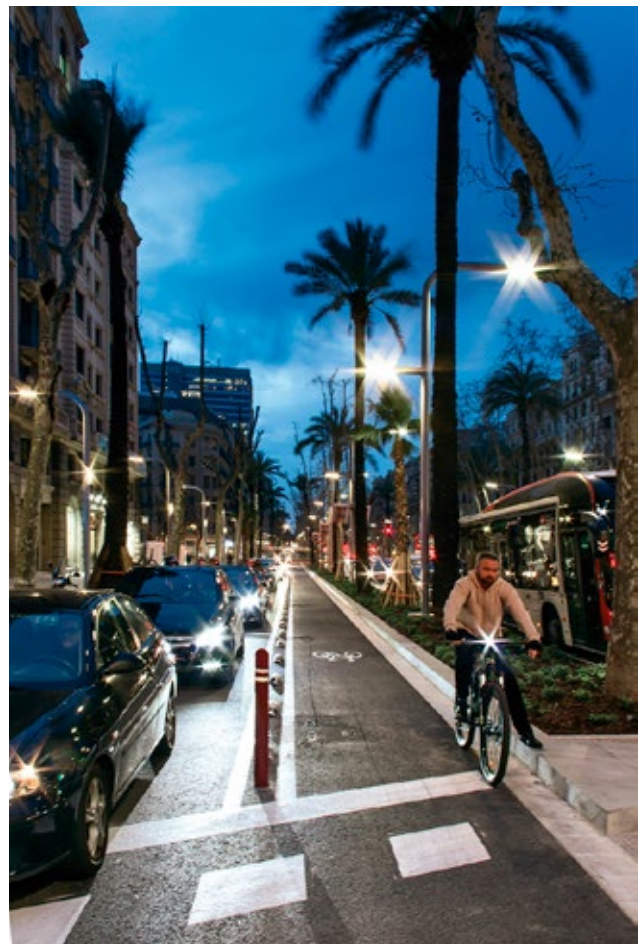
Its white light, and the lamps have two lamps (one on the

side) to also illuminate sidewalks (and not just the roads) generates a new nocturnal image of the city. It also includes the option to add a light spot on the side of the shaft to get a nice ambient light to lanes or less traveled areas.

The power consumption is between 50W and 70W. The lighting system features remote management, making it possible to reduce levels during periods of low occupancy.

#### Luminaire Information:

LAN is a Linear luminaire for urban roads made with LED. It has a tubular structure where the column and arm of the luminaire form a single piece which can include 1, 2 or 3 headlights. It is easy to install and be replaced with its “fast connection” system.





**Technical Information:**

High Efficiency Led Technology  
Color temperature 3000k or 4000k IRC  $\geq 70$   
Flux Max. 12810 lm @4000k  
Lifetime: >50.000h  
Pre-programmed control system or 1-10V  
IP 65 / Optical unit: IP 66 / IK 09 / ULR <1% / Class I

**Structure:**

Height (mm): 9350 / 6600  
Galvanized steel column  
Terminals and driver: IP 65  
Surface finish: Silver Grey G2  
Standard EN 60598/ IEC 55015



Image credit: SALVI

# LEDSpot READYLINE MR16

By Vossloh-Schwabe

[www.vossloh-schwabe.com](http://www.vossloh-schwabe.com)

## ReadyLine MR16/8.7 W

Vossloh-Schwabe's 220–240 V LED modules provide a perfect opportunity to switch to LED well ahead of time and without requiring any time-consuming or expensive redesign work on already existing luminaires. Refitting existing installations with these LED modules is equally problem-free.

Complete LEDSpot equipped with lens, heat sink and leads. The ReadyLine MR16 is an alternative solution to realize a MR16 replacement with DoB solution.

- DoB (Driver on Board)
- Power factor: > 0.95
- Aluminium PCB for optimum thermal management
- Welded leads for LED module: double FEP/FEP-insulation, length: 300 mm
- For luminaires of protection class II
- Aluminium heat sink

### Typical Applications

- Integration in luminaires
- Residential lighting
- Architectural lighting
- Shop lighting
- Furniture lighting



Photo Credit: Vossloh-Schwabe



Photo Credit: iStockphoto.com

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# LumaGrip™ Internal and External Anti-Slip Illuminated Stair Nosings

By Light Tape UK

[www.lighttape.co.uk](http://www.lighttape.co.uk)

Illuminated stair nosings have been available for many years but they have always been bulky, complicated, high maintenance and expensive.

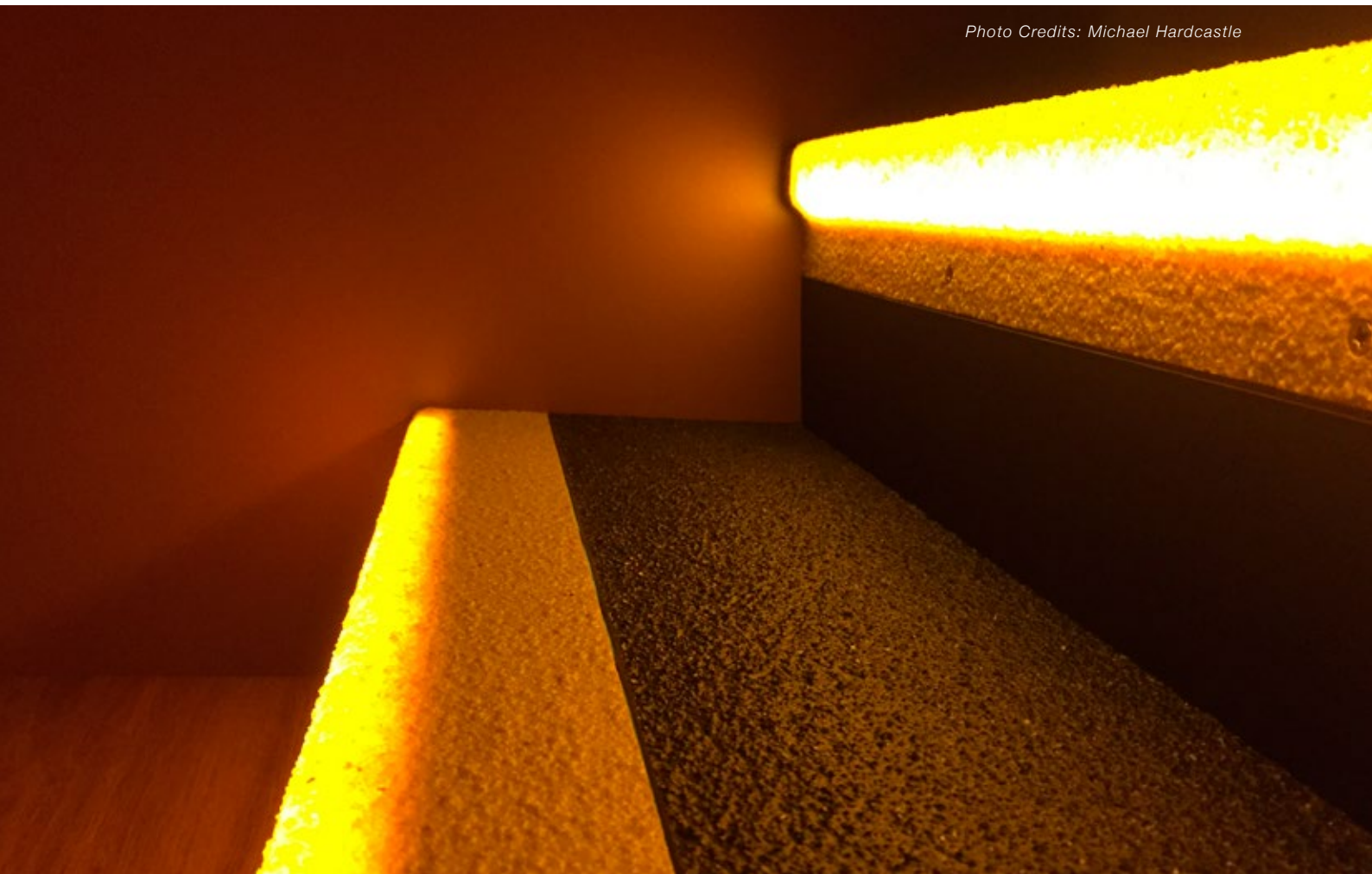
LumaGrip™ is set to change this with a range of illuminated Anti-Slip Nosing's that replace existing aluminium and PVC nosing's. LumaGrip™ also comes with the added benefits of having a higher anti-slip rating and a glare free illumination for both indoor and outdoor applications.

Illumination of edges and steps on external pedestrian areas has always been difficult to achieve, now with Light Tape's MK2 LumaGrip™ product, you can confidently provide a robust, waterproof, hardwearing system that will stand up to the most extreme environments and still look great. Available in a full range of colours and Anti-Slip grades.

The DDA (Disability Discrimination Act) has recently been updated to provide extra protection for the partially sighted, putting emphasis on both the illumination of stairs and making columns and pillars in public areas more visually apparent. Light Tape can assist in both these areas with cost effective simple solutions.

The Light Tape® product offers practical, economical decorative solutions for use in many aspects of Interior and exterior architectural lighting design and more. Snap-N-Light application and LumaGrip™ stair nosing products feature as prime examples of the more obvious uses of Light Tape®, but Light Tape® can also provide alternative lighting solutions for use in architecture and interior design but also for: Exhibitions, events, point of sale, hotels, bars, restaurants, safety clothing, emergency egress and health and safety.

*Photo Credits: Michael Hardcastle*



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## *SLL021-XPW* **LED CANOPY LIGHT**

By LEDtronics Inc  
[www.ledtronics.com](http://www.ledtronics.com)

LEDtronics® Inc. has announced its latest series of DLC, ETL-listed LED Canopy Lights with a choice of flat or prismatic drop lens for both indoor and outdoor applications. With energy savings of up to 75 percent, the wide-beam lamps come in two wattages: 49W for replacing up to 250W old-technology HID, or 89W for replacing up to 400W HID.

The lights are ideal for outdoor locations such as gas stations, loading docks, parking areas, entrances, walkways, underpasses and recreation areas. Even though the brightness of LED Canopy Lights is equal to or greater than the HID lamps they replace, they create much less heat in comparison, reducing air conditioning demands in indoor applications such a manufacturing and factory floors or warehouses.



## *NUVOLA (CLOUD)* **CHANDELIER** **- OUTDOOR VERSION**

By VG - VGnewtrend  
[www.vgnewtrend.it](http://www.vgnewtrend.it)

*"Not every cloud brings a storm."*  
If it's true that we all prefer clear skies above us, VG has created a cloud to accompany us through the night. VG presents one of its best sellers in an outdoor version, resistant to rain, thanks to the materials with which it is made. The structure is stainless steel and the shade is made of fabric. There are three versions of the lamp, with 1, 2 or 3 clouds, at a height of: 212, 312 and 376 cm respectively.

## *LS333ANS-2COB* **POOL LIGHT**

By Lumascape  
[www.lumascape.com](http://www.lumascape.com)

Introducing the new LS333ANS-2COB using next generation 'Chip on Board' technology to deliver unmatched illumination and energy efficiency. With 1,500 lumens delivered, this best-in-class fixture packs power into a compact form factor with high lumen density and wide light distribution, ideal for swimming pool applications. The optional 15° downward fixed angle reduces glare and illuminates the bottom of the pool for safety and improved aesthetics.



## *FIN* **EXTERIOR LED LUMINAIRE**

By WAC Lighting  
[www.waclighting.com](http://www.waclighting.com)

Adding to its new Endurance collection, WAC Lighting introduces Fin, a superior Exterior LED Luminaire. The Fin is offered in three wattages and two color temperatures options, all in one sleek size that is much smaller than its industry counterparts.

Energy Star and DLC rated, Fin adheres with industry norms of an outdoor fixture with an IP66 wet location listing. WAC Lighting went one step further and created a patent pending design, with a factory-sealed housing that encloses the LED light engine. This ensures that regardless of the orientation the fixtures are mounted there will be no water or dust leaks into the fixture over time.

Fin is available in 3000K and 5000K color temperatures as well as 19, 27 and 25 Watt models all operating on universal voltage systems (120V-277) and delivering up to 2825 lumens. The luminaires can be dimmed with either an electronic low voltage or a 0-10V dimmer. Motion and Photo Sensor Ready, Fin comes equipped with knock outs on the fixture for easy installation. Offered in Architectural Bronze, Graphite and White finishes, there is an available option for all applications.



## NEW WORLD CEILING LIGHT

By ANGO

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

The New World ceiling light (CL13046) by Ango is a main voltage luminaire with three E27 lamp bases, each with a maximum of 100 watts (or equivalent low energy wattage). With the diffuser made of rattan, base material being hand-finished stainless steel and 750mm W x 750mm D x 250mm H in dimensions, this product will add class and elegance to any interior space.



## EYE LEDioc FL HIGH POWER FLOODLIGHTS

By Iwasaki Electric Co., Ltd. Japan

[www.eye.co.jp](http://www.eye.co.jp)

### Series of LED floodlights

- Available in 1100W, 1000W, and 650W designs capable of delivering brightness equivalent to 2000W, 1500W, and 1000W metal halide floodlights respectively
- Proprietary light distribution control technology allows for outstanding light concentration
- Finishing with a reflector and globe combination allows for three types of luminous intensity distribution: narrow, medium, and wide beams
- Lineup consisting of two types: High-Efficiency type or High-CRI type
- Quickly reaches full brightness
- Long life: 40,000 hours at L85
- Utilizes highly efficient/high-powered COB-type LED package

## EDWING SERIES / DOB SERIES AC COB MODULE

By Edison Opto

[www.edison-opto.com](http://www.edison-opto.com)

EdWing Series is a 7W omnidirectional AC COB module which can achieve 450lm replacing 40W halogen lamps. Besides, EdWing Series has uniform light distribution with wide beam angle (270°), and there is no obvious dark areas while being applied in lamps. Combined with AC structure, EdWing Module helps customers to reduce the circuit problem and the cost of luminaires.

In addition, Edison Opto introduces the high efficacy DOB (Driver on Board) AC COB Module which delivers 100 lm/W (at 3000K and CRI 80) exceeding the market level (85lm/W). Moreover, it provides uniform dimming function without flicker and the emitting areas of 20W/30W/40W are consistent so that the supplements can be shared easily.



## SENORITA PENDANT

By Jan Flook Lighting

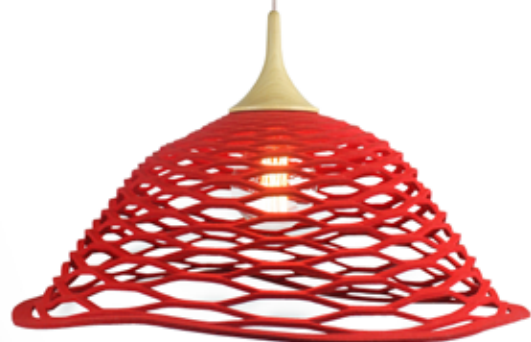
[www.janflooklighting.com](http://www.janflooklighting.com)

The second international launch from the JAN FLOOK LIGHTING collection is a witty, adaptable and immensely useful pendant named Senõrita. Inspired by a Spanish flamenco dress, the stretch element came by chance when Flook noticed he could concertina a flat shape outwards from a single piece of felt. "I like the fact that it's a uniquely soft and most of my collection

felt. "I like the fact that feminine design where is more masculine."

One of the qualities of pattern of shadows it casts wherever it is hung. The diffuser is made from a notably renewable and material, which has been spring. The felt is also a retardant, and comes in fire red, light gray, lime can be disassembled

the piece is the gentle casts wherever it is hung. 5mm thick 100% wool felt, environmentally friendly much in the news this sound insulator and flame a range of colours from green to charcoal. Senorita and vacuumed with ease.



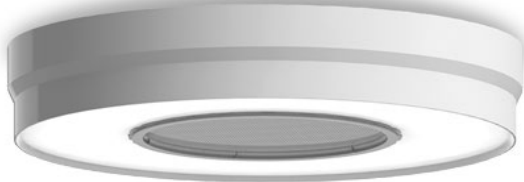
## **CERRO** **LED LUMINAIRE**

By Selux Corporation  
[www.selux.us](http://www.selux.us)

Selux, manufacturer of high-end architectural interior and exterior light fixtures, has announced its newest product, Cerro LED. Cerro LED, a purist design with impressive performance, is a beautiful complement to the M-Series product line. Available as a 180mm wide ring of light using a diffuse glass lens, its broad symmetrical distribution, high efficiency and reduced wattage options help to meet lighting and energy code requirements.

Having a profile height less than three inches, Cerro LED is perfect when space above ceiling is limited. Cerro LED shares the same LEDs, CCT options and BIN quality as M-Series LED products for matching installations in adjoining spaces.

Cerro LED was designed for efficiently lighting a wide range of application types including office, lobby, institutional and other spaces wanting to introduce a round form into the architecture. Be inspired!



## **KUBE FAMILY** **LED LUMINAIRES**

By WAC Lighting  
[www.waclighting.com](http://www.waclighting.com)

For fine bath and ambient lighting, WAC Lighting introduces the Kube family of LED vanities and wall sconces. Updated geometric styled metalwork, meets sleek etched opal glass cubes of light. Ideal above a mirror or perfect to illuminate distinctive entryways and other rooms in fine homes, restaurants and other spaces.

The luminaire features both uplighting for ambient lighting as well as downlighting for illuminating the vanity below. Offered in a 2700K color temperature, Kube features a high 90 color rendering index (CRI) and a damp location listing creating a fixture ideal for powder rooms or luxury bathrooms.

Available in one-, two- and three-light configurations, the luminaire ranges from 18 to 47.5 watts and delivers up to 2210 lumens for robust illumination and flattering light. The luminaire dims beautifully with an electronic low voltage dimmer.



## **R-2** **LED RAIL** **LIGHT SERIES**

By SGM  
[www.sgmlight.com](http://www.sgmlight.com)

The newly launched R-2 LED rail light series gives users full control and offers a unique and personal experience — whether installed in a museum, a trade exhibition, conference hall, club venue, retail or any other suitable application. This is because the complete lighting set-up can be controlled over distance via wireless DMX from LumenRadio. Whether dimming the lighting to change the mood, altering colour settings or adjusting the lighting according to the season, actions can be carried out manually, instantly and remotely via an automatically programmed schedule, providing endless possibilities to create dynamic and vibrant environments.

The R-2 is extremely intelligent in terms of adapting to a specific environment. As people stop by a sensor connected to the system, it is possible to activate a preset light sequence that will attract attention to a specific highlighted area. Interaction is via a displayed QR code, which when scanned with a smart phone, will allow the user to gain control with predefined areas.



## **LINETIK FREE-STANDING** **LED LUMINAIRE**

By Zumtobel  
[www.zumtobel.com](http://www.zumtobel.com)

LINETIK stands out from the office lighting crowd with a delicate design language. Despite its distinctive look, this free-standing luminaire can be integrated effortlessly into any office environment. Even more amazing is the fact that the slim body, at 24 x 24 mm cross section, and compact base conceal a revolutionary lighting concept: light exactly where the user needs it.

The slim silhouette of LINETIK belies a robust product that is easily assembled and positioned anywhere in the room. Direct and indirect lighting elements can be individually controlled, ensuring optimum visual comfort for every task. In addition an integral motion sensor ensures the luminaire is off when workers are absent.



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**THAILAND LIGHTING FAIR 2015, August 19 – 21**  
Bangkok International Trade and Exhibition Centre (BITEC), Bangkok, Thailand  
Tel: +66 (0) 2641 5483 ext. 100, 111, 112, 117  
Email: info@thailandlightingfair.com  
www.thailandlightingfair.com

**PALM EXPO 2015, August 19 – 22**  
China International Exhibition Centre (Old CIEC), Beijing, China  
Tel: +65-6411 7777  
Fax: +65 6411 7778  
Email: palmexpo@informa.com  
www.palmexpo.net

## September

**ECOBUILD SOUTHEAST ASIA, September 9 – 11**  
Putra World Trade Centre, Kuala Lumpur, Malaysia  
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www.ecobuildsea.com

**BIEL LIGHT + BUILDING, September 15 – 19**  
La Rural Trade Centre  
Buenos Aires, Argentina  
Email: biel@argentine.messefrankfurt.com  
www.biel.com.ar

**SHANGHAI INTERNATIONAL LIGHTING FAIR, September 23 – 25**  
Shanghai New International Expo Centre, Shanghai, China  
Email: light@china.messefrankfurt.com  
www.light.messefrankfurt.com.cn

**STADIA & ARENA ASIA PACIFIC, September 28 – 30**  
Singapore Sports Hub, Singapore  
Email: sam@aladltd.co.uk  
www.saevents.uk.com

**LED + LIGHT ASIA 2015, September 29 – October 1**  
Marina Bay Sands, Singapore  
Tel: +65 6278 8666  
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## October

**LIGHT MIDDLE EAST, October 6 – 8**  
Dubai International Convention and Exhibition Centre, Dubai, UAE  
Email: light@uae.messefrankfurt.com  
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**MYANMAR BUILD AND DÉCOR, October 22 – 24**  
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**HKTDC HONG KONG INTERNATIONAL LIGHTING FAIR, October 27 – 30**  
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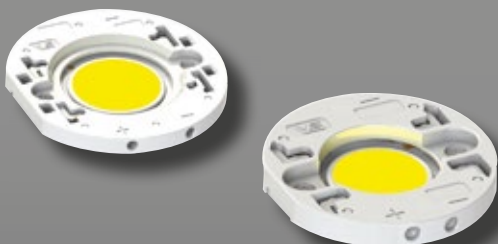




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