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LED Eco Lights has fitted its Goodlight LED lighting into all 18 platforms and the concourse at London's Liverpool Street Station.

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2018 Preview Supplement

www.a1lightingmagazine.com

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LED Dimmable Drivers ranging from 8 watt to 600 watt

12 WORLD PROJECTS

Lighting projects from around the world.

18 EMERGENCY LIGHTING

Emergency Lighting is a vital part of any public building. We look at what risk assessors should be doing to stay compliant.

24 CONTROLS

What are the latest innovations in smart controls for the lighting market and when will we see this technology hitting our offices, schools and homes?

29 LIGHT + BUILDING SUPPLEMENT

From 18th – 23rd March 2018, Light + Building, the world's leading trade fair for lighting and building services technology returns to Messe Frankfurt in Frankfurt am Main, Germany. In this bound-in bumper supplement, we take a look at some of this year's events taking place throughout Light + Building, the motto and top themes for the 2018 show and speak to some of the 2018 exhibitors. We look forward to seeing you there!

52 Q&A CASAMBI

A1 Lighting magazine speaks with Maarit Tötterman, Operations Manager at Casambi, about the wireless lighting control ecosystem the company plans to showcase at Light + Building.

62 EYES ON... COLLINGWOOD LIGHTING

Michael Burdon, Head of Product Management at Collingwood Lighting talks to A1 Lighting magazine about the company ethos and why they're constantly updating their product ranges.

64 PROJECTS

This month we look at 10 interesting projects from across the UK and further afield.

98 OPINION

Ian Major, Product Consultant at Integral LED talks to A1 Lighting about the uptake in LED garden lighting.

FEBRUARY 2018



12



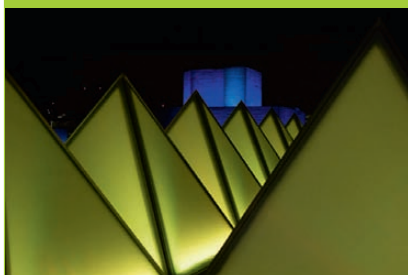
24



29



62



64



98



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Editor's Letter

Welcome to the February 2018 issue of A1 Lighting Magazine.

What a great start to the year with so many new projects and products our feet have not touched the ground. 2018 looks very exciting indeed.

In addition to putting the finishing touches to our annual A1 Buyers Guide, we have been preparing for the upcoming biennial Light + Building event which is taking place from 18th – 23rd March 2018 at Messe Frankfurt. Check out our bumper bound-in preview supplement all about this year's event from page 29. We hope you enjoy reading it as much as we have enjoyed putting it together. We will be visiting the show and as always we love to see as many of you as we can, so please do get in touch if you are exhibiting or attending.

We also take a look at some projects from around the globe in our world projects feature. Lighting can be used in so many different ways and it can also help to save lives so we look at how to stay compliant in our Emergency Lighting feature.

If all of that wasn't enough, we also delve into the world of controls. The controls industry is changing at a fast pace with the uptake of smart controls, we investigate some of the latest innovations in this sector.

Happy reading!

Cally Law
Editor/Director

Front cover image
courtesy of
LED Eco Lights.
Photography by
William Pearce.



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APPOINTMENTS



Absen Europe has announced the appointment of experienced AV professional Thomas Klukas to the position of Business Development Manager for Germany, Switzerland and Austria (DACH).



Nulty has expanded its team in the Middle East with the appointment of Amy Rossetti as Associate. The Dubai studio has seen rapid growth since launching two years ago with a growing design team headed up by Director Mark Vowles.



A.C. Entertainment Technologies (AC-ET) Ltd. is delighted to announce that Chris Millard has joined the company's Board of Directors in the new role of Technical Director.



Elation Professional is pleased and excited to announce that Matthias Hinrichs, has joined the company as a Product Manager.



Simon Deacon (left) and Simon Morrison (right).

Derbyshire based LED lighting company Advance International has appointed Simon Morrison as its new Managing Director with immediate effect promoting him from his previous position as General Manager. Simon Deacon, Advance's Managing Director for almost 20 years has stepped down at Advance moving into a new role as Chairman.

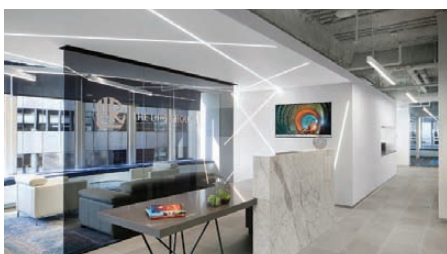


Udo Kuenzler (left) and Michael Feldmann (right).

Michael Feldmann rejoins GLP. After 12 years' absence, Michael returns to GLP as a Product and Portfolio Manager.



Lighting controls specialist B.E.G. has expanded its UK sales team by hiring Matt Paynter as its new Partnership Manager.



LiRo Architects+Planners designed the striking, \$3 million regional New York City headquarters for its parent firm, The LiRo Group. Photo by Peter Dressel/Wilk Marketing Communications.



The contemporary, open, and collaborative 13,500-square foot workspace consolidates several different LiRo functions from three former Manhattan locations, and has effectively doubled the amount of office space the company occupies in the city. Photo by Peter Dressel/Wilk Marketing Communications

LIRO ARCHITECTS+PLANNERS DESIGNS STRIKING REGIONAL NEW YORK CITY HEADQUARTERS FOR ITS PARENT FIRM

The LiRo Group (LiRo), a national, multidisciplinary construction and program management, architecture and engineering, and environmental solutions firm, has just opened its new New York City hub on the 28th floor of One State Street Plaza in the Battery Park section of Lower Manhattan.

The firm's architecture division, LiRo Architects+Planners (LAP), designed the new \$3 million, 80-person workspace to be large and flexible enough to accommodate future growth.

The designers used suspended linear LED pendants from Pinnacle Architectural Lighting (Edge EX12 and Edge 2A) throughout, "criss-crossing" them in certain areas, both for visual impact and to show movement. This crossed-lighting pattern was used purposefully over aisles and in collaborative zones where there is naturally more activity, to reinforce the fact that it is an area with a great deal of movement. By placing the fixtures in this manner, the light given off seems to move in the same way a person would move through the space; it is highly dynamic.

RECYCLING ROUNDUP



CUSTOMERS SHOULD ASK LUMINAIRE SUPPLIERS TO ARRANGE WASTE RECYCLING

An increasing number of major LED upgrade projects require luminaire suppliers to arrange the recycling of the old fittings and lamps removed during installation. That makes a lot of sense. Producers of new fittings are required to be members of a WEEE Producer Compliance Scheme (PCS). And a PCS is exactly the right organisation to recycle waste electricals. There are benefits too:

- It should mean reduced costs and hassle for the customer; there is no need for them to deal with the waste arising from the project.
- It results in better environmental outcomes; if treating the waste is left to the local scrap dealer, there is a risk that it may not be treated correctly.

For the luminaire producer, the process should be free of charge, where they are members of a scheme like Recolight.

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LIT DESIGN AWARDS ANNOUNCES THE WINNERS OF ITS 1ST ANNUAL INTERNATIONAL COMPETITION

The LIT Design Awards was created to recognise the efforts of talented international lighting product designers and lighting implementers on both professional and student-focused levels. The Farmani Group assembled LIT to bring attention to achievements in lighting and to promote the winning designers and implementers to the prominent audience worldwide. The jury of 14 expert panelists was rich in design-minded professionals across the board of the lighting industry. John Cullen Lighting CEO Peter van der Kolk, Head of Lighting for Cannon Design Sara Schonour, Broadway lighting designer and Academic Director of NYU Tisch ML Geiger, and Edwin Sargeant Director of XERO Lighting Group are all jurors who worked together to select the LIT Winners.

Dutch artist and innovator Daan Roosegaarde wins LIT with a powerful exploration into the relationship between people, technology and space to create Waterlicht, a virtual flood which shows the power of water.

LIT also announced the LIT Emerging Lighting Designer and Lighting Product Design of 2017, with cash prize scholarships to encourage each designer's next project in lighting design.

The LIT Lighting Product Design of the Year is FLYTE; The Levitating Light, a product designed by Simon Morris which hovers by magnetic levitation and is powered wirelessly.

The recipient of the LIT 2017 Emerging Lighting Designer of the Year went to Massimiliano Moro who's design for Monstera Deliciosa was a site-specific project made for a large abandoned palace Palazzo di Napoli, in the heart of Palermo.



IGUZZINI ANNOUNCES THE ACQUISITION OF 70 PERCENT OF THE ASSETS OF CANADIAN COMPANY SISTEMALUX INC.

iGuzzini lighting has signed the acquisition agreement for 70 percent of the assets of Sistemalux Inc, the Canadian company, based in Montreal. Through the acquisition, iGuzzini reinforces its presence on the North American market and completes its product range.

Founded in Montreal in 1984 by the Italian-Canadian family Folisi, Sistemalux is one of the most qualified players in the sector of design, production and commercialisation of indoor and outdoor lighting systems for commercial and residential projects.

The partnership between iGuzzini and the shareholders of Sistemalux started more than 20 years ago when Sistemalux became an iGuzzini distributor.

NEWS & BUSINESS

ILP Exterior Lighting Diploma

Spring 2018:

Module A – 5th – 9th February

Module B – 19th – 23rd March

Module C – 14th – 18th May

Thurlaston, Nr Rugby, UK

The ILP Exterior Lighting Diploma is the established industry qualification for exterior lighting professionals, meaning you can have confidence that this training will be helpful and worthwhile for you. It is made up of three five-day residential modules held in the centre of the UK. After completing all three modules you will then work independently on your ELD Completion Project.

www.theilp.org.uk/careers/exterior-lighting-diploma/

Autumn 2018:

Module A – 17th – 21st September

Module B – 8th – 12th October

Module C – 19th – 23rd November



FEBRUARY 2018

Spring Fair

4th – 8th February 2018, Volume sector opens 3rd February

NEC, Birmingham

Spring Fair is the UK's No.1 destination gift and home trade event featuring 14 show sectors, Jewellery & Watch and Glee, the brand new outdoor and garden concession. Discover the latest products and cutting-edge designs from 2,500+ exhibitors and inspire your buying with exclusive future trend content and expert-led seminars.

www.springfair.com

SPRINGFAIR
4-8 FEBRUARY 2018

Light School

6th - 8th February 2018

Business Design Centre, London

It's all about education at Light School.

Light School is not your usual, run of the mill exhibition for the lighting industry.

Co-located with the highly respected Surface Design Show in London's iconic

Business Design Centre, Light School sets out to educate architects and designers in the importance of lighting in the design of both the interior and exterior of buildings.

www.light-school.co.uk



Integrated Systems Europe (ISE)

6th – 9th February 2018

RAI Amsterdam, The Netherlands

Integrated Systems Europe (ISE) is the world's largest AV systems integration show.

The annual event, which is held at the RAI Amsterdam, provides a unique showcase of technologies and solutions for commercial and residential applications. The extensive

exhibition floor is complemented by a comprehensive conference and education

programme from the show's co-owners, AVIXA (former InfoComm) and CEDIA. ISE also

presents insightful sessions in multiple Show Floor Theatres. Integrated Systems Europe

is the ultimate destination for anyone working in the professional AV and systems

integration business.

www.iseurope.org



MARCH 2018

Light + Building

18th - 23rd March 2018

Messe Frankfurt, Frankfurt am Main, Germany

The world's leading trade fair for lighting and building services technology.

Digital future meets design hotspot: Light + Building addresses the themes of tomorrow. From 18th to 23rd March more than 2,600 exhibitors will be presenting their innovative products in the fields of lighting, electrical engineering as well as home and building automation in Frankfurt am Main.

www.light-building.messefrankfurt.com

light+building

APRIL 2018

Prolight + Sound

10th – 13th April 2018

Messe Frankfurt, Frankfurt am Main, Germany

Prolight + Sound is the International Fair of Technologies and Services for Entertainment, Integrated Systems and Creation. Companies from all over the world present their latest products and innovations for lighting, sound and broadcasting technology, theatre and stage technology, AV media technology and systems integration in seven exhibition halls.

www.pls.messefrankfurt.com

prolight+sound

10. – 13. 4. 2018, Frankfurt am Main

MAY 2018

Retail Design Expo

2nd - 3rd May 2018

Olympia London

Retail Design Expo is the definitive annual event for all exhibitors, sponsors and visitors operating in retail, design, marketing, visual merchandising, architecture and shopfitting. Retailers and brands will once again pack the aisles in 2018, all looking for inspiration, innovation, new ideas and new suppliers in the quest to win new customers, retain existing ones, and ultimately increase sales.

www.retaildesignexpo.com

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Retail Digital Signage Expo

2nd - 3rd May 2018

Olympia London

Europe's only dedicated retail digital signage show returns supersized to Olympia London in 2018. Over twice the size, and with exciting new features, this hugely popular show, exclusively dedicated to retail digital signage, is a must visit for retailers and brand owners wanting to improve customer engagement like never before.

www.retaildigitalsignageexpo.com

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JUNE 2018

Guangzhou International Lighting Exhibition

9th - 12th June 2018

China Import and Export Fair Complex, Guangzhou, China

Headed by the Light + Building event in Frankfurt, the Guangzhou

International Lighting Exhibition is Asia's most influential and comprehensive lighting and LED event. Celebrating its 23rd anniversary in 2018, this fair integrates innovative lighting-related technologies into one platform.

www.guangzhou-international-lighting-exhibition.hk.messefrankfurt.com

**guangzhou international
lighting exhibition**

SEPTEMBER 2018

Autumn Fair

2nd – 5th September 2018, Volume sector opens 1st September

NEC, Birmingham

Autumn Fair is the season's No. 1 wholesale gift and home trade event, showcasing amazing brands, new products, retail insight and bucket-loads of inspiration. Meet over 1,600 suppliers from around the world displaying their new and innovative home and gift ranges.

www.autumnfair.com

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SHOW GUIDE

FEBRUARY 2018 - SEPTEMBER 2018
DATES FOR YOUR DIARY

World Projects

Lighting projects from around the world.

Hoare Lea etc.venues London, UK

County Hall on the South Bank of the Thames in Westminster, is now a unique conference space. Originally designed by Ralph Knott, the building was opened in 1922 by King George V. It was the headquarters for London County Council for six decades and then served as the home of the Greater London Council (GLC). Due to its location next to the London Eye and the stunning views over the Houses of Parliament, the building is now a major tourist destination.

The lighting design team at Hoare Lea, along with interior designers Jestico + Whiles and executive architect Synergy Architects, worked to restore the venue and create a unique conference space for etc.venues.

Brad Joseph, Lighting Designer at Hoare Lea comments, "Conference centres can be utilitarian spaces, geared towards footfall rather than human experience. The brief was to challenge this norm, providing cohesive spaces with a hospitality feel. The lighting design narrative, which focused on historical appreciation, texture, colour, task, layering, installation and statement, demonstrated how light can create impressive spaces, rich in visual depth and perspective, and with the required flexibility."

etc.venues County Hall now offers 68,000 sq ft of conference

and event space, with a reception, snug bar, restaurant wings and conference/meeting rooms spread over two floors.

A layering approach allows the lighting to work both independently and in combination, creating different moods. Treatments include concealed linear lighting within coffee points and feature themed elements in the lounge; adjustable pinspot downlighting to highlight seating areas and food platter positions; concealed uplighting to soffits to accentuate height and volume; and pendants for visual identity and mood.

Key materials, such as the rich dark timbers of the reception book case, are illuminated by concealed linear lighting, which accentuate their prominence both day and night. Ambient lighting is provided by polished aluminium adjustable

Images courtesy of Hoare Lea.

Photography - Redshift.

spotlights, connected to a slender suspended track system.

James Dille, Head of Hospitality and Interior Design at Jestico + Whiles comments, "The location is reminiscent of a bygone and more innocent time, the paper-pushing and cigarette smoking era of the 40s, 50s and 60s, and the design seeks to reflect the relative insouciance and romance of this period. The design drew inspiration from the art deco era and its powerful use of linear geometries. Working with Hoare Lea, we were able to intensify the architecture whilst giving the venue a refreshed identity and character."

Franck Rosello, Head of Design at etc.venues comments, "The brief was complex, with the building providing many challenges. Hoare Lea gave us a perfect solution which delivered on many fronts – adding value to



the space, the finishes and the many textures the design team had in mind – while ensuring that solutions matched our strict budget and met the latest regulations regarding efficiency. This made our venue hugely successful from the start and there is no doubt in my mind that Hoare Lea's lighting design was a big contributor to the project's success."

Team

Client: etc. venues

Interior Designer: Jestico + Whiles

Executive Architect: Synergy Architects Ltd

Lighting Designer: Hoare Lea

Manufacturers

ACDC Lighting

Commercial Lighting Systems

Lightgraphix

Liteplan

Precision Lighting

XAL Lighting

Photography: Redshift

Hoare Lea

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www.hoarelea.com



Nualight PennyMarkt Germany

Images courtesy of Nualight.

Due to rising energy costs and carbon emissions, PennyMarkt, the International supermarket chain in Germany now have LED lighting. Nualight, Cool Solutions and DoubleCOOL together have achieved vibrant chilled product displays. PennyMarkt no longer have open-fronted refrigeration equipment and now have retrofit doors.

These chiller doors from DoubleCOOL are recognised worldwide for saving up to 50 percent on energy in supermarkets. Three PennyMarkt stores in Dieburg and central Frankfurt have now been equipped with the DoubleCOOL/Nualight package.

Cool Solutions Director Anthony Giles, comments, "Previously, PennyMarkt had fluorescent canopy lighting installed in their open-front multideck chillers. As everyone knows, retrofitting doors to your open-front cases achieves significant energy savings. However, in order to achieve the optimum

merchandising display of the products on sale, frameless doors and effective vertical and horizontal LED lighting must also be installed. DoubleCOOL doors and Nualight achieve this without question."

DoubleCOOL Sales Director, Wolfgang Klingenberg, adds "Nualight were the natural choice and are now our preferred partner for LED lighting. Their Orion product uses the latest energy efficient LEDs and provides an illumination which is not only easy on the eye but eliminates those dark spots you often get. The products are then presented in a brighter more inviting way."

Wolfgang comments, "In fact, PennyMarkt are even noticing an increase in sales post-retrofit of the DoubleCOOL/Nualight package. It is really attracting customers to buy the offered products. The clean unobtrusive LEDs make the product displays sparkle and increases the vibrancy of the colours on the product packaging."

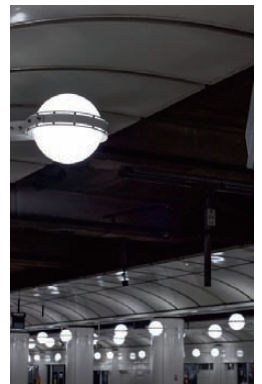


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Two teams replaced over 3,500 lights over a six month period. The Goodlight LED lamps can easily be retro-fitted into the existing fittings, allowing the relamping to proceed with little disruption.



**Goodlight
Network Rail
London, UK**



London's Liverpool Street Station is the third busiest station in the UK and has in excess of 66 million passengers each year. Recently, Network Rail has fitted Goodlight LED lighting in all of their 18 platforms and the concourse, giving a significant saving in their electricity costs and reducing their carbon footprint.

Adam Thackeray, Works Delivery Manager for Network Rail, commented, "We decided to move to LED lighting to reduce our carbon output, reduce costs in terms of power consumption and to improve the lighting level and quality in public areas of the station. The opportunity to reduce costs for lamp replacement by moving from a two year to a five year cycle was also a significant consideration. LED lighting will also

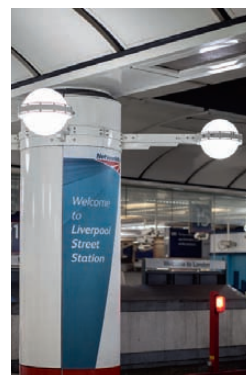
increase the efficiency of emergency lighting, reducing the load on the battery/generators and reduce the temperature signatures of lighting and heat related failures."

Two teams replaced over 3,500 lights in a six month period. The Goodlight LED lamps can easily be retro-fitted into the existing fittings, allowing the relamping to proceed with little disruption. The teams worked from two scissor lifts each night during the five hour window offered by the station closing hours.

Not only have they seen an increase in light levels and a reduction in energy demand with the relamping of Goodlight LED, the station has measured an increase in Lux levels on the platforms and concourse, from 75 Lux with the old lighting to 210 Lux with Goodlight and a temperature drop of approximately 40 degrees



Images courtesy of Goodlight.



centigrade at the exterior of the globe fixtures, improving reliability as well as efficiency.

The energy saving from the new lights is over 800,000 kWh per year from the platform globe fixtures alone. Adam Thackeray has estimated that these new LED lights use half of the energy of the old lights, therefore paying for themselves in 12-18 months. Some commuters shared tweets about the improvement and many of the staff that work at the station expressed appreciation for the improved station environment.

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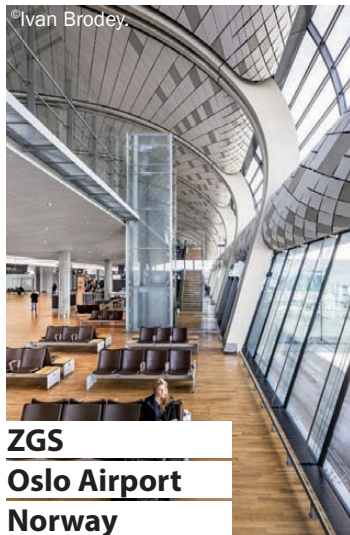
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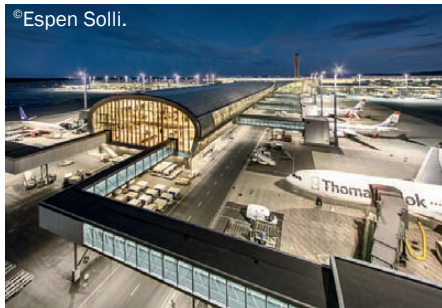
Norway's largest airport is in Oslo and now has a second terminal and a third is also being planned.

It was Zumtobel Group Services (ZGS) who provided the complete lighting solution and installed 32 eBox devices and connected 21,200 luminaires for this project.

Intelligent lighting controls and emergency lighting systems together with the LED luminaires from Thorn and Zumtobel and other various components from Tridonic were part of the installation. They have a Skyscanner device which is mounted on the roof. This constantly checks the lighting conditions and sends information to the LITENET lighting management system which enables the best combination of artificial light and daylight.

As the largest eBox emergency lighting installation worldwide, the ZGS emergency lighting system at the airport is a true record-breaker. With 32 eBox central emergency power supply devices, ZGS controls a total of 5,000 Zumtobel ONLITE escape sign luminaires. The eBox devices also make sure that power is always provided. All 32 supply modules are visible on a browser-based programme and can be managed easily from any computer.

Avinor, the airport operator has ensured legal compliance with the rules and regulations by signing an annual ZGS maintenance contract. In this agreement it includes functional tests which are required



As the largest eBox emergency lighting installation worldwide, the ZGS emergency lighting system at the airport is a true record-breaker.



by law, software updates and data storage, enabling ZGS to guarantee full system functionality at all times.

Executive Vice President of ZGS, Thomas Knoop, sees this installation as an indication of a wider trend: "In this project we've again seen what customers really search for complete solutions that cover everything from luminaires to controls and maintenance services. The latest request to update the emergency lighting system in Terminal 1 really confirms the success of our business model."

Zumtobel Group Services (ZGS)
+43 (5572) 390 0
www.zumtobelgroup.com

The intelligent lighting controls system collects information about the outdoor lighting conditions and adjusts the intensity and light temperature accordingly. While the lighting in the terminal is controlled with LITENET the shops are equipped with individually programmed LITECOM control units. The emergency lighting system from ZGS monitors all escape sign luminaires in the new terminal, making sure that visitors can leave the building safely in case of an emergency.





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 **messe frankfurt**



Emergency

Emergency Lighting is a vital part of any public building. We look at what risk assessors should be doing to stay compliant.

Many employees or occupants of public buildings probably don't consider the emergency lighting on a day-to-day basis. It is taken for granted that the lighting is there and if needed it will guide the occupants out of a building quickly and easily.

Risk assessors have a responsibility to ensure that buildings are safe and that the emergency lighting within it is working. This lighting has to be tested on a regular basis to ensure that battery life is still within regulations and all of this information has to be recorded in a log book. However, this is very hard to police and risk assessors need to be selected on the basis that they are responsible and up to date with the latest regulations. By not complying, offenders could face fines and or prison, even without the event of a fire.

Alan Daniels, Technical Director at P4 comments, "Emergency Lighting is of the utmost importance and a legal requirement in premises, excluding domestic premises, across the UK. In England and Wales the Regulatory Reform Fire Safety Order 2005, usually referred to as the Regulatory Reform Order (RRO), brings very significant fines for breaches of the order (with or without a fire) and offenders are aggressively prosecuted. It is therefore vital that businesses, organisations and individuals are aware of the regulations and the obligations they impose."

Changes to an area or building can go ahead without thought to the emergency lighting system which can make a building that was

safe become unsafe. Constantly checking emergency lighting and monitoring changes ensure that occupants stay safe and the responsible person compliant.

Charles Barnett, Managing Director of the Lyco Group explains "Moving a wall, doorway, or even large items of furniture could all impact fire risk, and emergency lighting should be adapted to reflect such changes."

He goes on to say "Some other common emergency lighting pitfalls include: Failing to document risk assessments and keeping records of tests, not updating old fittings which may no longer be compliant, and; failing to conduct risk assessments at all. Fire risk assessments may be seen as a

"Moving a wall, doorway, or even large items of furniture could all impact fire risk, and emergency lighting should be adapted to reflect such changes."

Charles Barnett, Managing Director, Lyco Group.

ABOVE:
Image courtesy of Mackwell.

TOP LEFT:
Brilas Blade from elp.

RIGHT:
Exis LED Recessed sign from TamLite.

burden, but are critical for ensuring the safety of anyone who sets foot inside of a premises, so should not be overlooked."

Many Emergency Lighting products can vary vastly in price and to a novice, price may be a driving



Lighting

factor. By researching products prior to purchase many will find that the more evenly priced of the options may be better manufactured and offer guaranteed peace of mind that the product will comply and be reliable.

David Wright, Managing Director of Emergency Lighting Products (elp) talks about how to choose a product, "Of course, emergency lighting products sold in the UK should comply with CE Marking Directive (a commercial claim that the equipment complies with the Low Voltage Directive and the Electro Magnetic Compatibility Directive), but how can anyone be sure a product achieves even these very modest safety and performance criteria.

Emergency Lighting equipment is still relatively complex and it is a fundamental truth that two products of similar quality will have an identical intrinsic cost. If one product is sold at a considerably lower price than a similar product from another supplier, it is probably of inferior quality; if it sounds too good to be true, it probably isn't true!

Two products can look similar but the construction, safety and performance can vary considerably, sometimes resulting in low cost or low quality products not operating effectively when required.

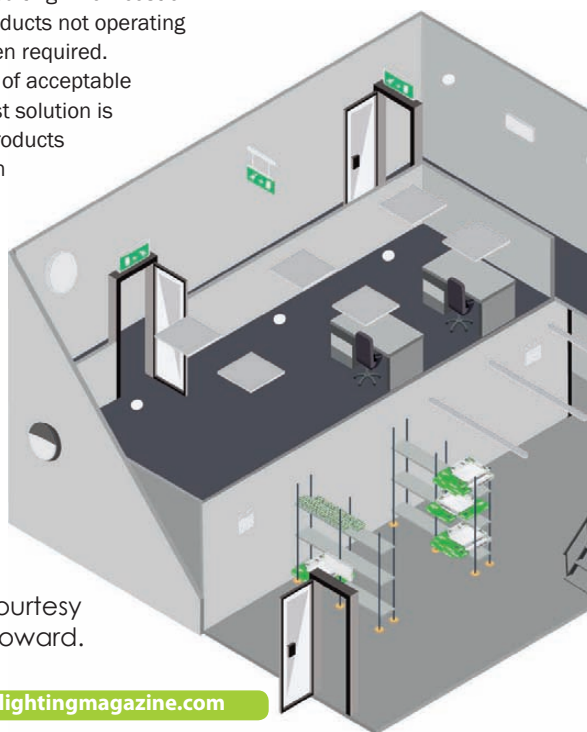
To be sure of acceptable quality the best solution is to purchase products that have been

independently certified – such as ELP's range of LED bulkhead luminaires and exits signs which are BSI Kitemark Certified to BSEN60598.2.22."

David goes on to mention, "The next best way to ensure quality is to specify equipment from reputable suppliers such as those manufacturers who have committed to membership of ICEL (Industry Committee for Emergency Lighting)."

As always, financial outlay is always a consideration when choosing products to install but with such advances in energy efficiency and LEDs, financial outlay can often be offset against a more economic system. Jason Horton, Business Manager at Tam-lite Lighting comments, "The bottom line is always an important consideration, but cheaper safety lighting doesn't always translate to the most cost-effective or the safest. But by selecting high-specification products with lower power consumption – thanks to the use of the latest LED and optics – it is possible to achieve an emergency lighting system that is both efficient and cost-effective."

Many newer emergency lighting systems can take the pressure off the Responsible



ABOVE:
Image courtesy
of Fern Howard.



Alan Daniels P4's Technical Director has a few points for complying with Emergency Lighting Regulations:

Responsible Person

The responsibility for emergency lighting rests with a 'Responsible Person', who has control, or a degree of control, over premises and fire-safety systems within premises.

The 'Responsible Person' (or 'Responsible Persons') must ensure everyone on the premises, or nearby, can escape safely if there is a fire or failure of the mains power supply, and must provide appropriate assistance to those who may need extra help or have a disability.

Suitability and Compliance

Documentation must be available to enable the 'Responsible Person' to demonstrate the suitability and compliance of their system to inspecting authorities, who have the responsibility to enforce the Regulatory Reform Order. Inspecting authorities may investigate on a random basis, as a result of information, or if there has been fire or false alarm.

There is an emphasis on 'consultation', covered in Clause 4.1 of BS5266 Part 1: 2016. This stipulates that it is important, if possible, to consult with all relevant persons, so that the 'Responsible Person' can consider all of the hazards and people at risk, together with the capabilities of maintenance and operating staff to enable the design and installation to match the emergency lighting to the application needs.

Risk Assessment

Employers and persons who have control of premises are required by legislation to carry out an assessment of the fire risks to ensure that occupants are protected from fire and its effects. The regulatory Reform (Fire Safety) Order 2005 requires that the risk assessment, which is referred to as the "Fire Risk Assessment" is suitable and sufficient.

The installed emergency lighting should be evaluated as part of the assessment of the means of escape within the "Fire Risk Assessment". Persons carrying out this "Fire Risk Assessment" should be competent, having appropriate experience and/or qualification. The "Fire Risk Assessment" should be regularly reviewed (typically every 12 months) against the latest issue of BS5266 Part 1 to consider whether emergency lighting installations are adequate.

P4 Limited are specialists in self-testing emergency lighting solutions and have been supplying Fully Automatic Self Testing Emergency Lighting for nearly 30 years. Major healthcare, education, local authority, residential, commercial and industrial premises have relied on P4's market leading systems to ensure building occupants are provided with the best escape lighting systems, to assist safe evacuation if an emergency situation should arise.

Person by monitoring the lighting and reporting any faults. Fern Howard produce and manufacture emergency lighting systems and they believe that self-testing systems are the future. Checking buildings are compliant can be a time consuming process without a self-testing set up.

Dan King, Technical Director at Fern Howard comments, "These luminaires automatically schedule the required functional and durational testing in accordance with the regulations. This still leaves some responsibility on the risk assessor, or buildings manager, to visually check the luminaire for a healthy green indicator and if indicating red, (not healthy) ensure required maintenance or repair to the relevant lighting.

This technology already exists with emergency monitoring and test systems being able to record and report testing as well as system faults and status, and to remotely notify building maintenance teams of faulty luminaires on multi-site installations."

Mackwell offer a range of emergency lighting including self-testing systems. They have already helped many companies and businesses to implement an automatic testing system, which enables tests to take place regularly, at periods of low risk and


screen puts the user in full control. Tests are scheduled and any faults identified in accordance with BS: EN 50172 and BS: EN 62034. Incorporating an on-board log book which can be downloaded, N-light ensures the emergency lighting scheme remains compliant.

Most emergency lighting experts will agree that a combination of a self-test system and a diligent



in accordance with the relevant standards. An automatic test system can also be taken to the next level with the addition of a monitoring system which utilises a communication protocol such as DALI.

N-light is Mackwell's proprietary test and monitoring system. Developed specifically for self contained emergency lighting systems, N-lights intuitive touch

Responsible Person will ensure the building is safe and the system compliant. 



ABOVE:
Image courtesy of
Mackwell.

TOP:
MezzoLite from
elp.

LEFT:
Image courtesy of
Mackwell.

BELOW:
Exodus from Fern
Howard.

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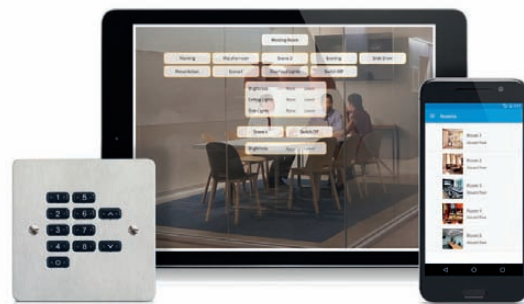
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Getting Smarter

What are the latest innovations in smart controls for the lighting market and when will we see this technology hitting our offices, schools and homes?

When we think of a connected home or office with voice activation and smart lighting many of us would think of a futuristic setting. However, this vision isn't far off, we now have the technology to implement these futuristic ideas and education and knowledge about installation is the last hurdle.

Lighting has come a long way these past few years and we are now looking at lighting that not only

can be controlled by sensors but also by smart phone apps from anywhere there is an internet connection.

There are many options available on the market in the form of smart controls, catering for both large and small systems and all with different USPs. Purchasers now want products to be simple and easy to set up and some products offer a simple plug-in-and-play feature for ease of use.

"Peoples' expectations of technology have been heavily influenced by their experience of using smartphones."

Tim Sly,
Managing Director,
Calon.

Tim Sly, Managing Director of Calon comments, "Peoples' expectations of technology have been heavily influenced by their experience of using smartphones, so there is a general expectation that controls should work smoothly straight out of the box and present a high quality user experience.

Years ago, my first PC came as a pile of boxes and took two days to install and set up. My new iPhone was up and running in about 10 minutes. So more and more we are going to see control systems that work straight from the box, or can be set up via a simple web app or wizard, without complex engineering tools."

Calon is addressing this trend through SmartSensor™, a range of intelligent DALI sensors which act as a complete DALI control system for an area of a building and which are pre-loaded with a range of applications to cover most popular use cases. An untrained installer can set up and commission a room full of lights in about five minutes, using a simple remote control or smartphone app.

For larger systems, Calon's SmartBridge™ range has done away with the specialist engineering tool used to set up their previous generation products, in favour of a simple web app. This greatly simplifies system commissioning, which can now be undertaken using a smartphone or iPad in the hands of the engineer.

Voice activation is a technology trend which is growing, from shopping via a voice activated system to making calls while driving,



this technology has been available for some time but is now being utilised for new applications. The new RAPID Scene Control solutions from CP Electronics gives the ability to customise lighting in offices and commercial buildings on a room by room basis using voice recognition and through cloud-based apps via a tablet and smartphone.

The "room recall" command is one of a number of fast, intuitive lighting control set-up options for

systems to work as part of the internet of things (IoT). Bluetooth Mesh has been created to address a number of drawbacks from earlier systems and now it is a viable system for commercial lighting control and it is supported by the Bluetooth Special Interest Group.

In a commercial setting facilities and building managers, who are often time-poor, are currently looking for easier ways to stay on top of their assigned buildings and the costs associated with them.

"We expect to see more facility managers looking for the ability to monitor, adjust and manage their system from a smart device, easily improving occupant comfort, and thereby increasing productivity."

Sam Woodward, Customer Education Leader, Europe and Africa, Lutron.

the touchscreen addressable RAPID lighting control system, which also works at the push of a button.

This versatile, cost-saving system can achieve up to 70 percent reduction in energy usage. Working in conjunction with the system's dimming lighting control modules (LCMs) and dimming luminaires, it achieves advanced scene-setting capability across multiple sites, floors or individual rooms.

Wireless technology is something that has been developed to enable these smart lighting

Many UK buildings were built before 1980 and this means that their internal systems can now be outdated and inefficient.

Sam Woodward, Customer Education Leader, Europe and Africa at Lutron comments, "Commercial building owners are rightly demanding more from their control systems. In 2018, we expect to see more facility managers looking for the ability to monitor, adjust and manage their system from a smart device, easily improving occupant comfort, and thereby increasing productivity. Automatic load-

TOP LEFT:
Sensor by Calon.

TOP MIDDLE:
App control,
image courtesy of
CP Electronics.

TOP RIGHT:
Domestic Lighting,
image courtesy of
Lutron.

FAR LEFT
App control,
image courtesy of
CP Electronics.

LEFT:
Hamilton Litestat
switch plates and
App controls.

shedding, to meet the peak-energy-response needs of utility companies, tight integration with Building Management Systems and scheduling that can be controlled by the facility managers themselves will all feature as key points in commercial control system specifications."

It is not just commercial use where we are seeing the uptake of smart lighting, we also have seen growth within domestic settings; creating the utopian smart home. Gavin Williams, Marketing Manager at Hamilton Litestat comments, "We foresee the increasing use of smart lighting and audio control within residential projects, especially the kitchen environment. The function of this space has evolved from solely a meal preparation area to a multi-functional space and the hub of the home.



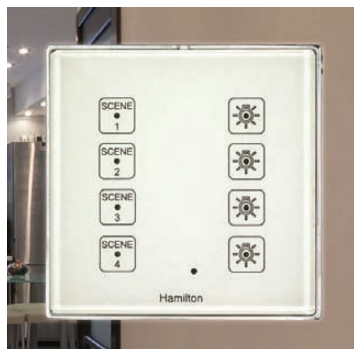
“Although system design needs to take into account the available skill set of those who will carry out the installation, we, as an industry, are forgetting that an IoT future will require a massive push for schools and colleges to start gearing courses to meet the challenges of tomorrow’s automated industry.”

Chris Bedford, Managing Director, Open Technology.



The kitchen/diner has become more open plan and is now an area for entertainment and relaxation. Lighting design has been a greater consideration in the kitchen during recent years rather than being an afterthought, but now we expect the increasing use of smart controls to effortlessly convert the space from one function to another.”

As with most new technology wider uptake will only happen once the general public are aware of the benefits. Some products are simple to install and offer plug-and-play



functionality. Other systems may be more complex and need installation by an expert.

Chris Bedford, Managing Director at Open Technology concludes, “Although system design needs to take into account the available skill set of those who will carry out the installation, we, as an industry, are forgetting that an IoT future will require a massive push for schools and colleges to start gearing courses to meet the challenges of tomorrow’s automated industry. At the moment, there is no reason this move cannot be made; after all the information and the technology are already there. If IoT proponents are so eager for a web-connected world, why are we not seeing them demand the appropriate training for the

contractors, to make sure their work gives the maximum functionality? And if this world is coming tomorrow, surely an investment in skills was needed yesterday, otherwise the imminent skill shortage will delay the adoption of web-connected lighting.”

Calon
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www.calon.lighting

CP Electronics
0333 900 0671
www.cpelectronics.co.uk

Lutron
+44 (0)207 702 0657
www.lutron.com/europe

LEFT:
Smart Lighting
Control from
Hamilton.

ABOVE:
Smart Audio
Control from
Hamilton.

BELOW:
Smartbridge from
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Small But Powerful...



SmartBridge™ from Calon sets a new standard for advanced open-protocol DALI lighting control in a compact form factor.

Featuring an inbuilt DALI power supply and PoE for simplified installation, SmartBridge offers a comprehensive lighting management solution in a tiny package just 23mm wide.

Powered by high-end 32-bit ARM processor, SmartBridge has all the advanced features you'd expect from a company that's spent 15 years delivering lighting control solutions for some of Europe's biggest names.

The intuitive web interface offers easy setup and commissioning from a phone or iPad, while every DALI parameter is available via BACnet/IP to ensure seamless integration to a BMS.

Advanced connectivity means that any sensor or zone on the system can control lighting anywhere in the building - even on a different controller!

An advanced emergency lighting test capability and a self-healing DALI bus simplify maintenance and dramatically reduce whole-life costs.

Contact Calon to find out how SmartBridge can power your next lighting control project.



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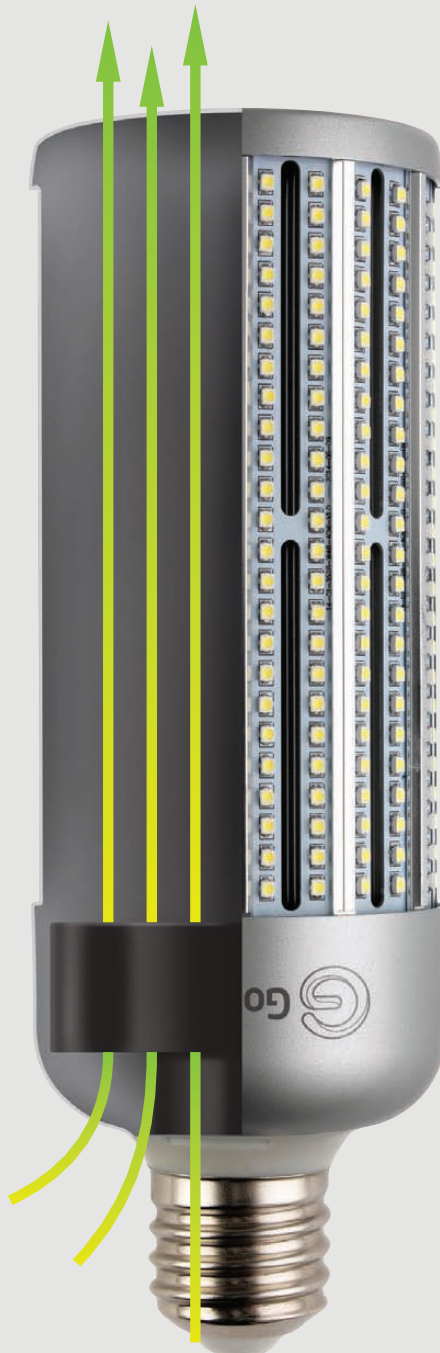
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Image courtesy of Messe Frankfurt Exhibition GmbH / Pietro Sutera.

light+building 2018

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Image courtesy of Messe Frankfurt Exhibition GmbH / Petra Welzel.



Image courtesy of Messe Frankfurt Exhibition GmbH / Petra Welzel.



Image top left, opposite and above courtesy of Messe Frankfurt Exhibition GmbH / Pietro Sutera.



Image courtesy of Messe Frankfurt Exhibition GmbH / Jens Liebchen.

The biennial Light + Building 2018 edition will see a new special exhibition, an additional exhibition hall and around 2,600 exhibitors launch their lighting, electrical technology and house and building automation products. From LED and photovoltaic technology to electric vehicles, 'intelligent' ways of using electricity with 'smart metering' and 'smart grids', Light + Building will see an integrated range of products and services on show that make a crucial contribution to exploiting the potential for energy savings in buildings.

This year's key sectors are: Lighting, Electrotechnology and Home and building automation. Spread across Halls 1 (Trendspot Design) to 6, Hall 10 and in the Forum, you will discover a range of lighting solutions and products on display including designer luminaires in numerous styles, technical luminaires and lamps in a range of forms and for many applications, as well as a huge variety of technical lighting components and accessories, including outdoor and street lighting.

Light + Building
www.light-building.messefrankfurt.com
 @Light_Building
 #LB18

From 18th – 23rd March 2018, Light + Building, the world's leading trade fair for lighting and building services technology returns to Messe Frankfurt in Frankfurt am Main, Germany. In this bound-in bumper supplement, we take a look at some of this year's events taking place throughout Light + Building, the motto and top themes for the 2018 show and speak to some of the 2018 exhibitors. We look forward to seeing you there!

Image courtesy of Messe Frankfurt Exhibition GmbH / Jens Liebchen.



Opening Times:

18th – 22nd March 2018: 09.00 – 18.00
 23rd March 2018: 09.00 – 17.00

Admission:

One day tickets:
 Box office - €19
 Online - €17
 Reduced one-day ticket (students) €11

Season tickets:

Box office - €40
 Online - €35

Tickets can be bought online at
www.tickets.messefrankfurt.com

**Information correct at time of going to press.*

Top Themes at **light+building**

This year's show motto is 'Connected – Secure – Convenient'. Focusing on this, intelligent and networked solutions, future-oriented technologies and current design trends which look to increase not only economic efficiency of buildings but also the comfort, safety and security of the users will be presented at the show. In keeping with this, the show will look at the following two top themes:



Images courtesy of Messe Frankfurt Exhibition GmbH.

Aesthetics and well-being in harmony

A focal point in the Lighting product segment at Light + Building will be the presentation of the latest design trends in the lighting market and the exhibitors' high level of design expertise. Digitalisation has paved the way for a new dimension of luminaire design, and lighting-technology innovations are shifting the spotlight to people and their personal needs, as shown by the increasing significance of Human Centric Lighting (HCL). This involves, inter alia, the effects of light on people and on their health, performance capability and well-being.



The Smartification of everyday life

A key role in the construction and operation of intelligent and networked buildings is played by electrical technology and house and building automation. The increasing interlinkage and digitalisation of electrical installations increases the quality of life at home and at work. At Light + Building, the industry will present solutions and technologies oriented not only towards low energy consumption and modern safety and security expectations but also individual creative options and a high level of comfort.

**Information correct at time of going to press.*

light+building

Programme of events

SECURE! Connected Security in Buildings (Hall 9.1)

New for the 2018 show, the fields of house and building automation and power-controlled safety and security technology will be concentrated together for the first time in Hall 9.1 at Light + Building to create a centre for integrated building-services technology. Enriching the new location will be the brand new special show 'SECURE! Connected Security in Buildings' which will be held concurrently with the fair from 19th – 22nd March 2018.

The 'SECURE! Connected Security in Buildings' special show is designed to give visitors insights into how innovative technical solutions can make a building more economically efficient and take account of the individual users' needs. In comparison to the exhibitors' presentations, this special show will take three specific applications (hotel – office – industry) and blend all aspects from the point of view of security and user interfaces.



Images courtesy of Messe Frankfurt Exhibition GmbH / Jean-Luc Valentin.

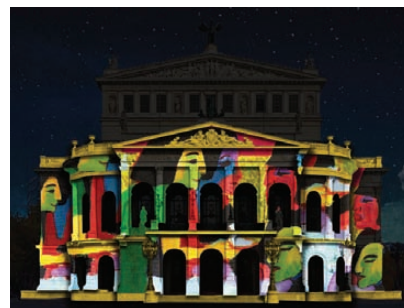


Images courtesy of Messe Frankfurt Exhibition GmbH / Jean-Luc Valentin.

Intersec Forum (Hall 9.1)

The Intersec Forum conference will run alongside Light + Building for four days commencing from 19th March until 22nd March 2018. The event will be located close to the Light + Building product segments of building automation and electronic security technology as well as to the new 'SECURE! Connected Security in Buildings' special show in Hall 9.1. For its third edition, the Intersec Forum has an extended programme of five conference days featuring international experts looking at the current challenges of connecting security technology solutions in modern building technology. Speakers will include industry experts from Europe, Asia, the USA and the Middle East. The lectures will be held in English and German.

Running alongside the show floor will be a complementary programme of events including competitions, expert lectures, guided tours, special shows and panel discussions. Offering the opportunity for visitors, and exhibitors to learn, meet with colleagues and network with industry professionals, we find out about some of this year's events taking place at Light + Building:



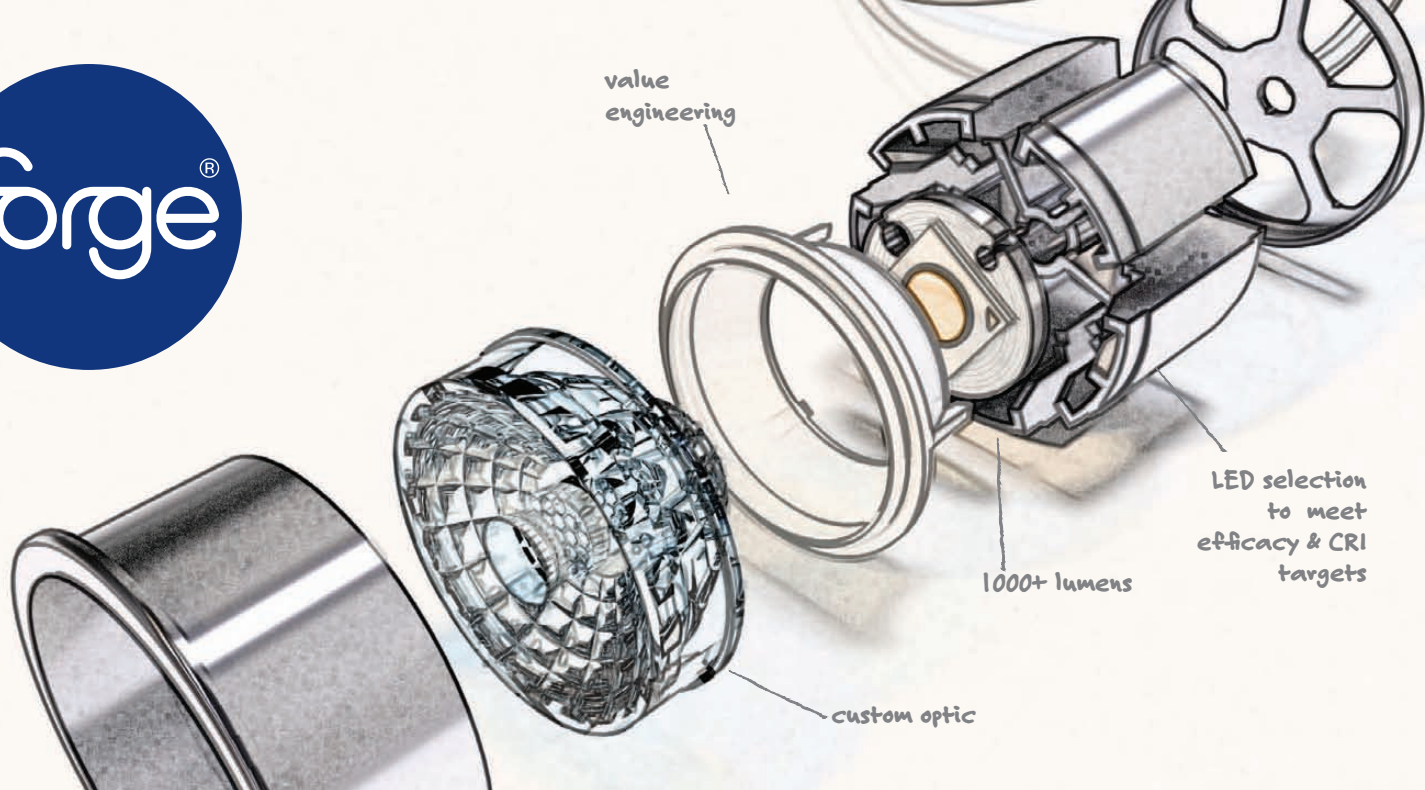
ALTE OPER FRANKFURT©Karmachina / Ernst Ludwig Kirchner, Szene im Café, ca. 1926, Stödel Museum, Frankfurt am Main

Luminale

Luminale, the Festival of Light is held concurrently with Light + Building every two years. Messe Frankfurt founded Luminale in 2002 and has promoted and supported the festival since. For the 2018 edition, taking place from 18th – 23rd March, Luminale will have a brand new concept.

*Information correct at time of going to press.

Find out more about **Luminale 2018** on page 40.



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**HALL 10
A75**



**HALL 06
C75**



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Our new range of products is a culmination of our new innovative approach of providing lighting solutions to professionals with professional products. A new range of five-year warranty products is sure to take the LED market by storm.

This year, we have decided to go big at the world's leading trade fair for lighting and building services technology – Light + Building – to be held in Frankfurt am Main, Germany on March 18-23. We will have two stands which will be located at C75 in Hall 6, and A75 in Hall 10 where you will be able to see the best and the latest of our LED lighting products in action.


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Design Plus powered by Light + Building (Hall 1.2 A51/B 51)

The Design Plus powered by Light + Building and organised by Messe Frankfurt in cooperation with German Design Council will present some of the most innovative and ground-breaking products from the field of light, electrical engineering and building automation. The design quality and overall concept of the products will be assessed, as well as the innovative content and the technical and ecological quality of the product submitted.

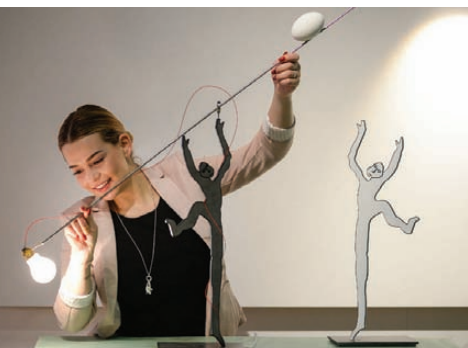
The winners will be selected by an expert industry jury.

Image courtesy of Messe Frankfurt Exhibition GmbH / Pietro Sutura.



Young Design (Hall 11.1 G10)

Find inspiration from up-and-coming young designers showcasing their own luminaires. The stage is sponsored by Messe Frankfurt and offers newcomers the ideal platform to present themselves to the industry and trade audience.



Above: Images courtesy of Messe Frankfurt Exhibition GmbH / Pietro Sutura.

The German Lighting Design Award (Hall 4.1 FOY09)

The German Lighting Design Award is presented annually. The winners are chosen in a total of ten categories by a jury made up of distinguished experts who visit the site and judge for themselves the lighting effect created. Entries can be submitted by planners or building owners with the countries of Germany, Austria, Switzerland and the Benelux being eligible.

The award ceremony brings together lighting planners, architects, building owners and the lighting industry in a relaxed, welcoming atmosphere to enjoy an inspiring evening of conversation. For the network of planners, industry and education this award ceremony has become a popular event in the architectural lighting space.



Image courtesy of Messe Frankfurt Exhibition GmbH / Pietro Sutura.

Visit
www.lichtdesign-preis.de
for more information.

Guided Tours

At Light + Building, you can take advantage of free guided tours around the show. The tours offer an excellent opportunity to find your way around the products on display and to network with the key industry leaders in the sector. There will be guided tours available for architects and planners, as well as for builders, operators, representatives of

local and municipal authorities, including the staff of building and planning departments. Thematic tours for architects, designers and planners are held in English by world-architects.

Visit
www.world-architects.com/en
for more information.

*Information correct at time of going to press.



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Trend Forum

Located in Hall 6.1 B02 at Light + Building, the Trend Forum will see retailers, designers, interior and exterior architects present the home and interior trends, including trends in lighting, for 2018/2019.

Organised by Messe Frankfurt in cooperation with stilbüro bora.herke.palmisano, the trend forum provides retailers, interior architects and designers with inspiration for the year ahead. Design led trends and trends for the home will be showcased from exhibitors who will focus on various styles which integrate the latest designs for the home with selected products to create unique and original living space scenarios. New product developments, well-loved classics and innovative technology can be seen in these inspiring showcases. Be sure to check it out!

The 2018/2019 trend themes are:



Above: Image courtesy of Messe Frankfurt Exhibition GmbH / Petra Weizel.

Evoke emotions

The evocation of mood and a sense of well-being. It is about designs that sensitise us to our feelings, that are directly linked to emotions, that transform emotions into the language of design and integrate emotion into everyday life – with the help of 'intelligent' materials and product developments.

Imagine mutation

The notion of divergence and modification. Here you will find an emphasis on designs that create a striking, artistic impression and make an impact. What dominates here are designs that are far from the everyday; designs that make an impact, like creations of modern art. They celebrate anomaly and diversity.

Revive homeliness

Breathing life into simplicity. It involves designs that are honest, undemonstrative, clear, uncomplicated and simple. Lighting moods are inviting, warm, restrained and create a cosy, harmonious atmosphere using reverential, intimate illumination which includes areas of darkness in the overall ambience.

Create history

This scenario has set itself the target of evoking a nostalgic past, a sense of the historical. On one hand, highly functional modern technology is embedded in a background of decorative living space. The appeal of the design for the room lies in its elegant colouration, together with antique items and collectables, creating

a space with a similar effect to Aladdin's cave. On the other hand, technology will revolutionise the design. Through the use of the latest technological developments, nostalgic reminiscences of history become new, full of historical allusion and future promise.

Visit

www.light-building.messefrankfurt.com
for more information about the Trend Forum.

*Information correct at time of going to press.

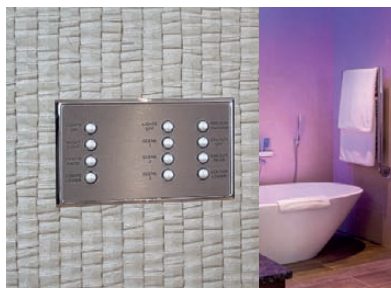


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luminale 2018

The Luminale Festival of Light has been held in Frankfurt and Offenbach every two years since 2002. A supporting programme for Light + Building, Luminale runs alongside the show, 18th - 23rd March 2018.

For its ninth edition, Luminale 2018 is to be given a new face and will present a completely renewed concept. This year, in addition to its focus on lighting, the festival will now address social and urban issues and present innovative solutions for city life.

As a biennial event in light art and urban design, Luminale lights up the streets, squares and houses of the city of Frankfurt. Luminale sees urban design as a complex task for the future in the conflicting areas between economy and ecology, architecture and technology, science and politics and will be focusing on topical questions around urban development. The event will bring together experts and citizens from different fields for debate and conversation.



ALTE OPER FRANKFURT©Karmachina.

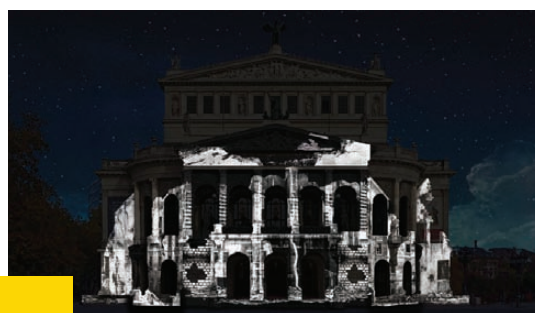
This year, in addition to its focus on lighting, the festival will now address social and urban issues and present innovative solutions for city life.

Peter Feldmann, Mayor of Frankfurt am Main and Chairman of the Supervisory Board of Messe Frankfurt, is very impressed by the new concept: "With the new concept for Luminale, we will create a festival of lighting and urban design the like of which has never been seen before. The event will not only be given its own sustainable and independent new profile, but by embracing new themes, it will highlight our city even more as a model of state-of-the-art urban development. We will be laying the foundation stone for the new Luminale in 2018 and will be working together to help it to develop and grow."

Visit
www.luminale-frankfurt.de/en
for more information on Luminale 2018.

Middle right Image:
ALTE OPER FRANKFURT1©Karmachina.

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In Motion ©Jan Scheurer.



*Information correct at time of going to press.



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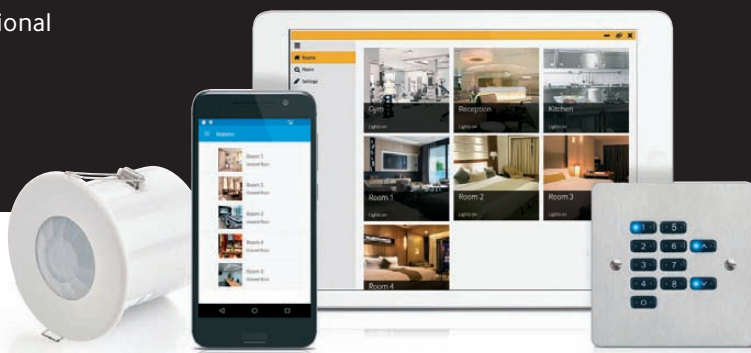
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EDA (Electrical Distributors' Association) is visiting light+building

The UK trade body representing electro-technical wholesalers, EDA (Electrical Distributors' Association) will lead a 30-strong visiting delegation to Light + Building.



Representing billions of pounds in purchasing power, the EDA's visiting delegation includes senior executives from around 20 wholesaling companies, plus representatives from the Presidential teams at the ECA and SELECT, Scotland's trade association for the electrical contracting industry.

Margaret Fitzsimons, EDA CEO said "For our sector, Light + Building is the world's leading trade fair and part of the EDA's role is to give members the opportunity to keep abreast of the latest developments in the increasingly hi-tech electro-technical sector, so they can bring the learning back to their businesses and add value to their customer relationships. It is also important to support our affiliated manufacturers who make a significant investment to showcase their latest technologies at the show."

The EDA has collaborated with the Lighting Industry Association (the LIA) to develop the itinerary and bring together members from both organisations, as well as from the world of contracting.

Steve Davies, the LIA's CEO explains, "Exhibition space at Light + Building is very sought after but, fortuitously, this year the LIA has secured a substantial stand presence for LIA Members. It means we are well placed to create and facilitate networking and business development opportunities for the EDA delegation."

The EDA hopes that this first visit will lead to Light + Building becoming a regular date in the diary as Margaret concludes, "In addition to the LIA presence, around 25 of our Affiliates (the EDA's manufacturer and service provider members) are exhibiting and we'll ensure that our wholesalers get the opportunity to visit as many of their stands as possible. Margaret continues, "It will be a packed itinerary as we are attending for just two of the six days that the fair is open but, given the demand for places this year, we hope to expand the opportunity for our members in 2020 and beyond."

EDA
www.eda.org.uk



"For our sector, Light + Building is the world's leading trade fair and part of the EDA's role is to give members the opportunity to keep abreast of the latest developments in the increasingly hi-tech electro-technical sector, so they can bring the learning back to their businesses and add value to their customer relationships."

Margaret Fitzsimons, CEO, EDA.

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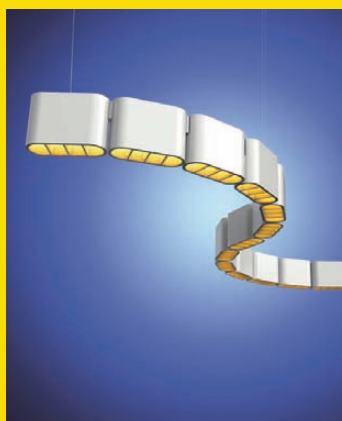
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Exhibitor Profiles

We catch up with some of the exhibitors at this year's Light + Building.



- Radiant Architectural Lighting
- www.radiantlights.co.uk
- Hall 4.2, Stand A16

Established in 2008 in London, Radiant Architectural Lighting provides innovative lighting solutions for projects around the world.

Innovation is at the heart of Radiant – and bespoke custom-built products is what they strive for, with many of their 'standard' products originating from specific project requests. Radiant make everything to order, making customisation standard.

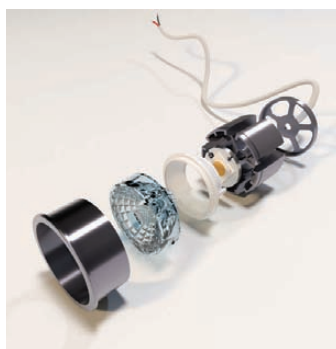
Designed and manufactured in the UK, Radiant linear lighting solutions are designed with flexibility, adjustability and performance in mind, whilst embracing the latest lighting technologies and processes to guarantee longer lasting, and efficient lighting systems for any architectural application.

With a strong heritage in luminaire design, Radiant designs products for both interior and exterior application areas, to give lighting designers the best tools possible to illuminate and enhance architecture beautifully.

RADIANT
ARCHITECTURAL LIGHTING



clever light solutions



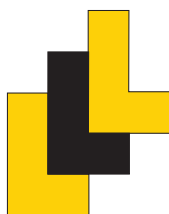
- Forge Europa
- www.forge.co.uk
- Hall 4.2, Stand B90

Forge Europa specialise in complete LED solutions for all your lighting needs. Forge are not just picky about the LEDs they use, but about the complete lighting system. Why else would optics, thermals and electronics be such a key part of the design and manufacturing process?

Using CFD technology Forge have developed heatsinks that keep the LEDs cool.

A custom optic maximises performance and puts the light exactly where you need it. Even the trickiest of applications requiring very specific electronic needs can be achieved with the help of Forge.

An integrated and completely custom LED solution is at your fingertips with Forge.



- S Lilley & Son Limited
- www.s-lilley.co.uk
- Hall 4.0, Stand F65

S Lilley & Son Limited have been long established as a manufacturer of brass and associated lighting components in the UK. They offer a comprehensive range of B15, B22, E14, E27 and E40 lampholders together with many and varied accessories to enable luminaire manufacturers to create their own exciting lighting products.

S Lilley & Son offer bespoke manufacturing abilities for CNC turned parts

for customers' own-designed components - up to 65mm in diameter - together with pressed products up to a capability of 80 tonnes. S Lilley & Son have full in-house toolmaking facilities to ensure economical tooling packages. Experience the benefits of dealing with a professional, friendly, long established family business that is BSI quality audited to ISO 9001:2015. A full colour catalogue is available upon request.





- Fulham
- www.fulham.com
- Hall 4.0, Stand A12

Future of lighting controls from Fulham and IoT integration will be on display at the Fulham stand at Light + Building. Demonstrations will show future Fulham LED driver products under the control of standards-based Bluetooth Mesh, Power over Ethernet (PoE), LED Light Engines, and current products for DALI control (eliteDALI) and Zigbee powered outdoor controls with partner Tvilight.

The demonstration will show the power of standards-based, multiple technology control systems integrated to deliver strong cost-savings for commercial

building operators. The showcase will also help LED luminaire manufacturers better understand how controls can increase the value and differentiation of its products as lighting moves forward.

Fulham will also display its new LED 25W universal mains dimmable driver. This new driver is compatible with most manufacturers' dimmers and dimming controls and has been designed to auto detect and work with TRIAC, leading edge and trailing edge dimmers, and potentiometers. These universal dimmers also are software controlled to

analyse dimmer behavior, and allow for ultra-smooth dimming and linear dimming for dim to warm LEDs.

To meet increased demand for emergency lighting, Fulham also will be showing its line of HotSpot Plus All-in-One drivers for emergency lighting. Compliant with all relevant European standards, the HotSpot Plus provides an all-in-one solution for emergency lighting with integrated cable clamp, loop-in/loop-out connectors for mains input, and LED output connectors for the luminaire.

CASAMBI

- Casambi
- www.casambi.com
- Hall 4.1, Stand G70

At Light + Building Casambi will demonstrate how the ecosystem of Casambi ready products has grown. There will be an extensive range of partner products, drivers, dimmers, switches and control modules all working harmoniously with Casambi's hardware and software platform.

Casambi will also present its new Class 2 embedded Bluetooth 4.0 module that provides integration possibilities to LED drivers, different lighting control applications, light fixtures and LED bulbs. The CBM-002A/B has a powerful 32-bit ARM® Cortex™-M4 CPU and a 2.4 GHz transceiver and two antenna options.

The latest release of the company's lighting control app for smartphones, smart watches and tablets enables Bluetooth-based management of daylight harvesting, improved functionality to access multiple wireless networks in larger buildings and upgraded implementation of warm dimming.



- Carclo Optics
- www.carclo-optics.com
- Hall 4.0, Stand D60

At this year's Light + Building, Carclo are launching S1, their latest product line - the Silicone Optics range. The ultra narrow model is capable of producing a beam angle of less than 10°.* All the silicone optics are Zhaga D50 compliant and the nature of the interconnects means they are compatible with a wide range of manufacturers including Philips Fortimo, Molex, TE Connectivity and BJB.

Due to the high temperature resistance, they are perfectly suited to high powered COBs. Available as Ultra Narrow, Narrow, Medium and Wide beam angles, the new S1 Silicone Optics will be available to view on the Carclo stand and the team available to talk about the benefits of silicone optics.

*Dependant on the choice of LED and interconnect

carclo
Optics



light+building

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18–23.3.2018

- Hamilton Litestat
- www.hamilton-litestat.com
- Hall 11.1, Stand C03

Hamilton®

Currently celebrating its 50th year, this long-established British company will present its vast offering of decorative switch and socket wall plates, as well as its smart lighting control solution at this industry-leading show.

Hamilton's stand at Light + Building will feature highlights from its portfolio of 17 designer switch and socket wall plate collections, spanning metal, plastic, wood and glass. New products include a 'Paintable' range of wiring accessories that allow an exact colour match for any interior – taking a coordinated look to new heights!

Alongside, Hamilton will also showcase its smart



lighting control - ideal for interiors that require changing ambient light, while the option of integration with its multi-room audio system means achieving a total lighting and

sound package is simple.

Look out for Hamilton's new range of wireless smart control products and its new wireless music bridge and speaker.

DANLERS

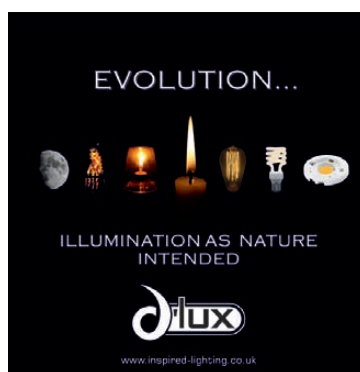
- DANLERS Limited
- www.danlers.co.uk
- Hall 4.1, Stand D81

DANLERS Limited design and manufacture a range of energy saving controls, these include lighting controls and controls for heating, ventilation and air conditioning.

Energy saving, security and convenience are among the many benefits of DANLERS controls. The products are straightforward to install and generally use existing wiring, making them suitable for retrofitting or for new installations. DANLERS products are manufactured in the United Kingdom.

At Light + Building DANLERS will be featuring their new Casambi enabled Bluetooth controls for wireless networking and meshing.

- d'lux
- www.inspired-lighting.co.uk
- Hall 6.0, Stand A44



d'lux believe it is crucial that lighting continues to be the essence of the surroundings we work or live in. Every d'lux product is carefully designed and engineered to offer accurate lighting solutions and not just simply provide some light.

With the evolution of LED-based lighting the synergy of lighting and nature is even closer as we endeavour to save the environment we live in. d'lux now have a product range that extends to over 3,000 products ex-stock, and this

combined with products from the other six Inspired Lighting brands, is one of the most comprehensive ranges of lighting available.

d'lux believe that LED technology is transforming the way we think about lighting and is opening endless opportunities. When used correctly it enhances our lives in every way and can often be a work of art... "Illumination as Nature Intended".

iGuzzini

- iGuzzini
- www.iguzzini.com
- Hall 3.1, Stand E31

Established in 1959, iGuzzini is an international community at the service of the architecture and lighting culture. It is a creative hub with a strong vocation for innovation, as well as a centre for excellence dedicated to the study, design and development of lighting. It manufactures lighting systems for cultural institutions, retail spaces, cities, large infrastructure projects, work environments and spaces dedicated to hospitality & living, working in collaboration with architects, lighting designers, interior designers, universities and research centres from all over the world. iGuzzini works to improve the relationship between people and the environment, being committed to its vision of lighting innovation for people.



carclo

Optics

www.carclo-optics.com



20mm

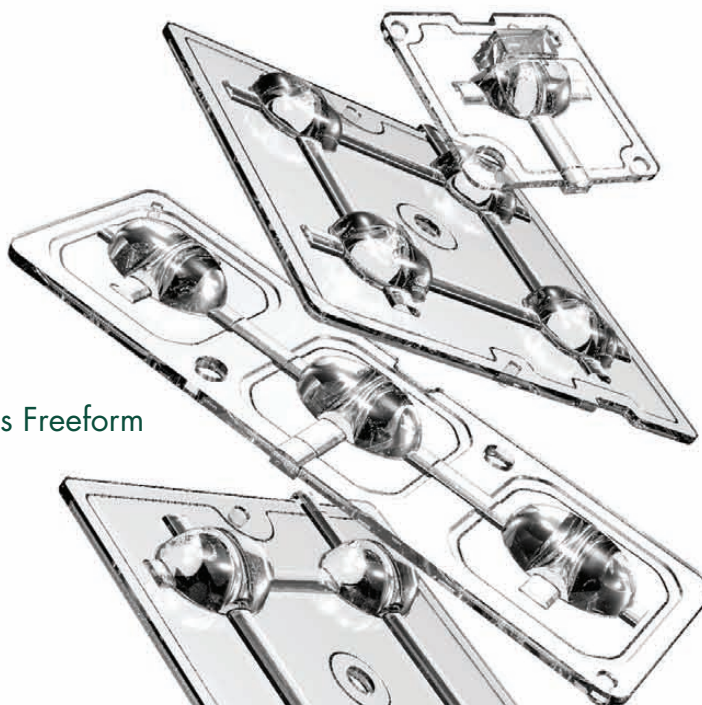


10mm



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light+building

18th - 23rd March

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BWF Profiles

- BWF Profiles
- www.bwf-profiles.com
- Hall 4.0, Stand A81

For more than 60 years, since its foundation in 1956, BWF Profiles has been offering and still continues to offer its customers total support for the development and the production of plastic profiles, tubes and sheets.

Using modern technology they are able to solve challenging and demanding requirements of their customers efficiently and with reliability. The result: Quality for everyone to see.

Well known in Europe and Asia with respect to the extrusion of high-quality thermoplastics for profiles, tubes and sheets BWF are actively involved in many different application areas:

- Office & Communication
- Lighting for Transport
- Presentation & Retail
- Technical Applications
- Architecture & Design

- Inspired Lighting Ltd
- www.inspired-lighting.co.uk
- Hall 6.1, Stand B32

Inspired Lighting today finds itself in a very strong position to offer complete lighting solutions. Their 90,000 sq ft distribution centre is stocked with a product range of over 9,000 products within seven distinct brands.

Every brand has been developed to provide lighting solutions to a certain segment of the industry. This substantial product range is supported globally by offices, showrooms and substantial warehousing in China, Dubai and New Delhi. In China, Inspired Lighting has its own facility to ensure quality control and efficient product development which is fundamental in today's challenging markets. With a reputation for unique products at competitive pricing the design team has flourished with the opportunity to work with new technologies and create spectacular designs with distinctive personalities, that simply were not possible before the LED era. Please visit the website for full details as Inspired Lighting continue to inspire the lighting industry.



Luxbox

LIGHTING TECHNOLOGY

- Luxbox
- www.luxbox.co.uk
- Hall 4.1, Stand F20

Luxbox is a new brand who have decades of experience in the emergency lighting arena. They are powered by Sander Elektronik, a Swiss emergency lighting expert who have a 45 year track record giving Luxbox the backing of an international group.

Whether it's emergency downlights, remote boxes or modules, Luxbox create quality emergency lighting components resulting in great value and peace of mind, boxed up with a five year warranty.

Luxbox encourage their customers to think about what's inside the box, and to strive for compliance to the latest safety standards.

Emergency lighting is not an area for compromise. It needs to deliver 100 percent compliance and reliable performance, every time. So, Luxbox have boxed up the latest innovations, with the perfect balance of quality and value.

Luxbox is a member of the LIA and ICEL.





- V-TAC
- www.v-tac.eu
- Hall 6.0, Stand C75 and Hall 10.1, Stand A75

V-TAC's new range of products are a culmination of a new innovative approach of providing lighting solutions to professionals with professional products. The new range boasts a five year warranty and is hoped to be received well in the LED market. As a trusted brand in the LED lighting industry, V-TAC have developed over 1,800 SKUs: manufactured under German standards, and been tested by top

accredited labs in the EU like TUV SUD and Dekra. V-TAC have recently secured a big partnership with Samsung using Samsung LEDs for their recently launched PRO series.

This year, V-TAC have decided to exhibit at Light + Building on two stands which will be located at C75 in Hall 6.0, and A75 in Hall 10.1 On both stands V-TAC will showcase the latest V-TAC LED lighting products in action.



- Thorlux Lighting
- www.thorlux.com
- Hall 4.1, Stand C10

The Thorlux range of luminaires is designed, manufactured and distributed by Thorlux Lighting, a division of the F.W. Thorpe Plc group. Thorlux is well known throughout the world and provides a comprehensive range of professional lighting and control systems for architectural, commercial, floodlighting, industrial, hazardous area and healthcare applications.

For more than 80 years, Thorlux has manufactured increasingly sophisticated luminaires in the UK. Over the last 20 years, the company has focused on high technology products, including the development of its first electronic energy-saving lighting control system in the mid-1990s. Huge investment in design and testing facilities has now put Thorlux at the forefront of its market sector.



- Cree Europe
- Hall 5.0, Stand A66
- www.cree-europe.com

Cree is an innovator of lighting-class LEDs and lighting products, ranging from LED lighting systems, bulbs, blue and green LED chips and high-brightness LEDs.

Cree offers both street and indoor lighting, as well as electronic signs and signals. Cree's LED lights are energy efficient when compared to traditional lighting solutions, require less re-lamping and can offer virtually no maintenance costs. This creates a more profitable bottom line for businesses.

Cree Europe will showcase its streetlight luminaires and smart city technology such as XSPM on Stand A66, Hall 5.0 at Light + Building.

- KOLARZ
- www.kolarz-uk.com
- Hall 6.1, Stand A70

KOLARZ, a European luxury lighting company, is showcasing innovative new designs at Light + Building.

The new collections, which include spectacular wood, metal and metallic modern designs are some of the exciting additions to the KOLARZ and Austrolux ranges.

KOLARZ celebrates its 100th birthday this year and is known for its modern lighting designs and its interpretations of traditional crystal, precious metal and Murano glass chandeliers. The Austrolux range includes some new shapes and styles that are sure to have an impact at this year's Light + Building.



light+building

Frankfurt am Main
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Gaining control

What does Casambi's solution offer to lighting professionals?

There are numerous 'smart' lighting systems available – and some are smarter than others. In the past they have mostly been based on Wi-Fi, ZigBee or a combination of both.

Casambi does things differently. Its revolutionary smart lighting system is based on Bluetooth Low Energy (BLE) which allows a mobile device to communicate directly with a luminaire (with no gateway required), and luminaires to communicate with each other. BLE also has the considerable advantage of being the only low-power radio communication technology that's built into every modern smartphone, laptop and tablet.

What will Casambi be exhibiting at Light + Building 2018?

On Booth G70 in Hall 4.1 at Light + Building, Casambi is going to be demonstrating how its ecosystem of Casambi-ready products has been dramatically expanding over the past few years. Today, Casambi has an extensive range of partner products, drivers, dimmers, switches and control modules for specifiers, facility managers, architects and lighting designers to choose from which all work harmoniously with Casambi's hardware and software platform.

Will Casambi's new Bluetooth modules be on display?



Yes, Casambi plans to present its new Class 2 embedded Bluetooth 4.0 module that provides integration possibilities to LED drivers, different lighting control

A1 Lighting magazine speaks with Maarit Tötterman, Operations Manager at Casambi, about the wireless lighting control ecosystem the company plans to showcase at Light + Building.



applications, light fixtures and LED bulbs. The CBM-002A/B has a powerful 32-bit ARM® Cortex™-M4 CPU and a 2.4 GHz transceiver and two antenna options: the CBM-002A has a chip antenna while the CBM-002B has a pin antenna.

What about Casambi's latest software updates?

The latest release of the company's lighting control app for smartphones, smart watches and tablets enables Bluetooth-based management of daylight harvesting, improved functionality to access multiple wireless networks in larger buildings and upgraded implementation of warm dimming.

Can you share a professional lighting application using Casambi technology?

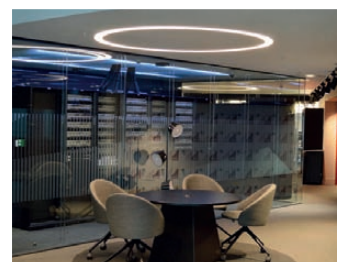
Very recently, Registers of Scotland (RoS) – which manages the Scottish land and property register – has introduced the Casambi system to the new

BREEAM 'Excellent' rated St Vincent Plaza in Glasgow. RoS wanted to create an adaptable working environment for the staff, encouraging collaborative working. As part of this, the organisation chose to install 'human-centric' lighting, to support the employees' circadian rhythms and improve their alertness and productivity.

For RoS, M&E consultant Atelier Ten, working with contractor EMTEC, needed a control system that could provide changes in colour temperature and intensity based on a time curve, including scene-setting and dimming to zero percent, but that was also easy to install, easy to use and cost-effective.

The Casambi system at St Vincent Plaza controls around 450 tunable white luminaires. The unique gallery feature of the Casambi system is also in use.

The gallery lets users upload their own photos or plans of a space, mark the positions of the luminaires, and then use this to select and control them. At RoS, this feature is used to provide detailed plans of different sections of the office so staff can easily find and control the lights in their area.



Casambi
In Germany, call Thorsten:
+49 151 2801 0772
In the UK and elsewhere, call
Stephen: +44 (0)7710 472189
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Catalogue

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A friendly family business with a professional approach, where quality is assured with accreditation from both LIA and BSI. A copy of our latest catalogue together with product test certification can be downloaded from our web site.

A printed catalogue is available on request.

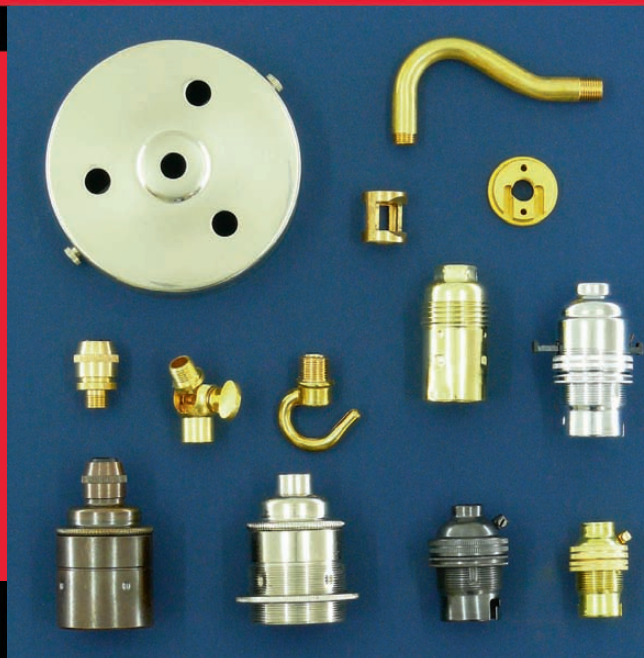
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Frankfurt am Main
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Visit us Hall 4.0
Stand F65

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E: sales@s-lilley.co.uk W: www.s-lilley.co.uk



S Lilley & Son Limited

Lilley's look forward to welcoming you to our stand at **Light+Building hall 4 stand F65**. Here you can catch up with our latest products and capabilities or just talk to us about lighting, components, cars, boats, sport, holidays etc. Also remember we offer custom product manufacture with pressings up to 80 tonnes and turned parts up to 65mm diameter. However, more importantly enjoy your visit to Frankfurt.

Tel: +44 121 622 2385 website: www.s-lilley.co.uk Email: sales@s-lilley.co.uk

light+building

Visit us Hall 4.0 Stand F65

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- www.iguzzini.com

Lander

First developed as a custom product, Lander is a bollard designed by architect Renzo Piano for the park of the Stavros Niarchos Foundation in Athens. This product is characterised by a specific light emission focused on the paths, with road (ST1) and asymmetrical optics. The wall washer version has an optical compartment aligned with the body of the product resulting in exceptional vertical lighting. The range also includes an applique version for direct or direct/ indirect light emission, with the possibility of choosing between more comfortable or more powerful optics. Lander is a sturdy system that meets the most stringent anti-vandalism criteria, combined with minimal, versatile and extremely elegant design.

Hall 3.1
Stand E31



Helvar

- +44 (0) 1322 617200
- uksystems@helvar.com
- www.helvar.com

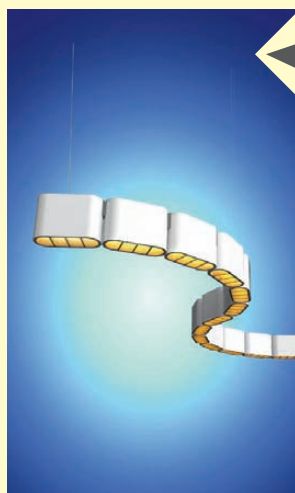
Helvar launches ILLUSTRIS POWER

Lighting intelligence expert, Helvar, introduces ILLUSTRIS POWER, an elegant, new, touch-sensitive lighting control solution which is designed for installation into all types of single room application; from boardrooms and meeting rooms, through to open plan offices and showrooms. The system delivers energy efficient, human-centric lighting in an easy to install package that is cost-effective, stylish and intuitive to operate.

Programming, such as storing and adjusting of lighting is achieved directly from the panel. Integrated Bluetooth® connectivity gives users the means to control and monitor lighting from anywhere in the room, at any time using a mobile App, SceneSet.

A choice of three front fascia provides standard dimmable (DALI Type 6), colour temperature (DALI Type 8) or full colour (DALI Type 8) control.

Hall 9.1
Stand B60



Radiant Lighting

- +44 (0) 208 348 9003
- enquiries@radiantlights.co.uk
- www.radiantlights.co.uk

Centura

Centura is a flexible LED interior linear lighting system, designed to make complex designs simple. An innovative design offers the flexibility to follow curved surfaces, encapsulate columns and domes, and to make irregular shaped pendants. Available in uplight and downlight solutions, surface mounted or suspended, and with lumen outputs of up to 5,000 lumens per metre, the Centura is ideal for a range of application areas including architectural, hospitality, leisure and retail. Centura offers complete flexibility, adjustability onsite and a choice of colour options ensuring there is a solution for any lighting challenges.

Hall 4.2
Stand A16

iGuzzini

- +44 (0) 1483 468000
- info@iguzzini.co.uk
- www.iguzzini.com

Palco InOut

Palco InOut extends our collection of Palco indoor floodlights and framers to outdoor lighting. These professional floodlights for architectural lighting are available in six different dimensions starting from a diameter of 30mm to offer a range of incomparable solutions with a luminous flux of up to 8,000 lumens. Innovative Opti Beam optics, with lenses and reflectors that combine comfort, clean beam outlines and power.

The Palco InOut offers a wide range of selection of optics, from spot optics to medium, flood, wide flood (80°) and framers. Professional optical and photometric accessories to adapt the luminous flux to specific application requirements. Minimal design and optimal performance.

Hall 3.1
Stand E31



Thorlux

- +44 (0) 1527 583200 / Export Sales: +44 (0) 1527 586454
- thorlux@thorlux.co.uk
- www.thorlux.com

Introducing the Composeal Plus range of low profile, high efficiency, IP66 circular LED luminaires for high and low bay applications, designed to be used as direct replacements for traditional single point suspended discharge luminaires up to 400W.

Integral Smart controls and optional SmartScan wireless connectivity allow the installation of energy saving luminaires without the need for additional cabling. The Composeal Plus is available in 171W, 251W and 326W, with Smart versions suitable for use up to 18m.

The Thorlux designed PCBs are capable of producing over 44,000 lumens of white light, with colour rendition greater than 80 CRI.

Hall 4.1
Stand C10



iGuzzini

- +44 (0)1483 468000
- info@iguzzini.co.uk
- www.iguzzini.com

Walky

Walky, winner of the Design Plus awards, is an extraordinary collection of miniaturised devices starting from 45mm in height. Choose between round, square and rectangular; flush and surface mounted. Walky was born from the idea that iGuzzini's excellent vertical lighting skills could be transferred into horizontal applications. Walky's new optic distributes perfect horizontal light: precise, pure and shadow free cones near the wall, and perfectly uniform light along the entire surface in question. Maximum visual comfort and the possibility of Dali dimming for flush-mount versions. Walky was designed to resist to vandalism, and offers complete protection even during the installation.

Hall 3.1
Stand E31

**DANLERS Limited**

- +44 (0)1249 443377
- sales@danlers.co.uk
- www.danlers.co.uk

Hall 4.1
Stand D81

New Casambi sensors from DANLERS

DANLERS have launched a new range of sensors for presence detection and light level control which can be integrated in systems with the Casambi wireless lighting control technology.

DANLERS sensors communicate directly with Casambi compatible luminaires via Bluetooth. No additional hardware components or control lines are required saving time and money.

Suitable for a wide range of applications including commercial, industrial and public sectors.

For more details visit DANLERS in Hall 4.1 Stand D81.

**Radiant Lighting**

- +44 (0)208 348 9003
- enquiries@radiantlights.co.uk
- www.radiantlights.co.uk

Hall 4.2
Stand A16

**3D LED FLEX 100 IP66**

The 3D LED Flex 100 IP66 is an exterior linear lighting system designed for use within applications where the surface areas are non-linear. An innovative design offers the flexibility to follow curved surfaces and facades, whilst being recognised as IP66 rated. Ideal for both direct and indirect architectural lighting projects including cove and wall wash lighting applications, the 3D LED Flex 100 IP 66 has a unique articulated joint system which offers three-dimensional flexibility as well as consistency with equally spaced LED's to ensure uniformity when creating the perfect lighting solution. The system provides up to 7,000 lumens per mtr depending on optics, colour temperature and CRI.

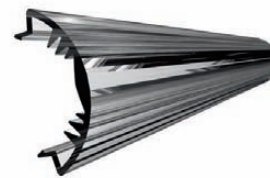
Carclo Optics

- +44 (0)1753 575011
- sales@carclo-optics.com
- www.carclo-optics.com

Hall 4.0
Stand D60

High Bay Strip Optics - new from Carclo Optics

Carclo Optics are releasing a new high bay product into their range of strip optics. The High Bay Strip Optic can be installed up to 12 metres high and has been designed to optimise both floor and shelving illumination. Ideal for warehouse and other high bay applications, the new strip optic is available in 600mm and 1200mm lengths. Produced using optical grade PC, the new strip optic has a high impact resistance. Samples will be available at Light and Building, so visit Carclo Optics on stand D60 Hall 4.0 to view and discuss with the friendly team.

**Nedap**

- +44 (0)118 916 6820
- info@nedap-luxon.com
- https://en.nedap-luxon.com/

Hall 4.0
Stand C20

'Welcome to the connected world of Nedap' campaign launched at Light + Building - extended functionality and range of new features for connected lighting platform Luxon Nedap will officially launch its 'Welcome to the connected world of Nedap' campaign at this year's Light + Building event in Frankfurt am Main. As part of the campaign, the company will reveal a range of new features for its Luxon connected light management platform. Nedap will also present its proven project methodology and its opportunities for the lighting market.



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Pacific Lifestyle Ltd

Taylors of Cheshire

V-TAC (UK) Limited.

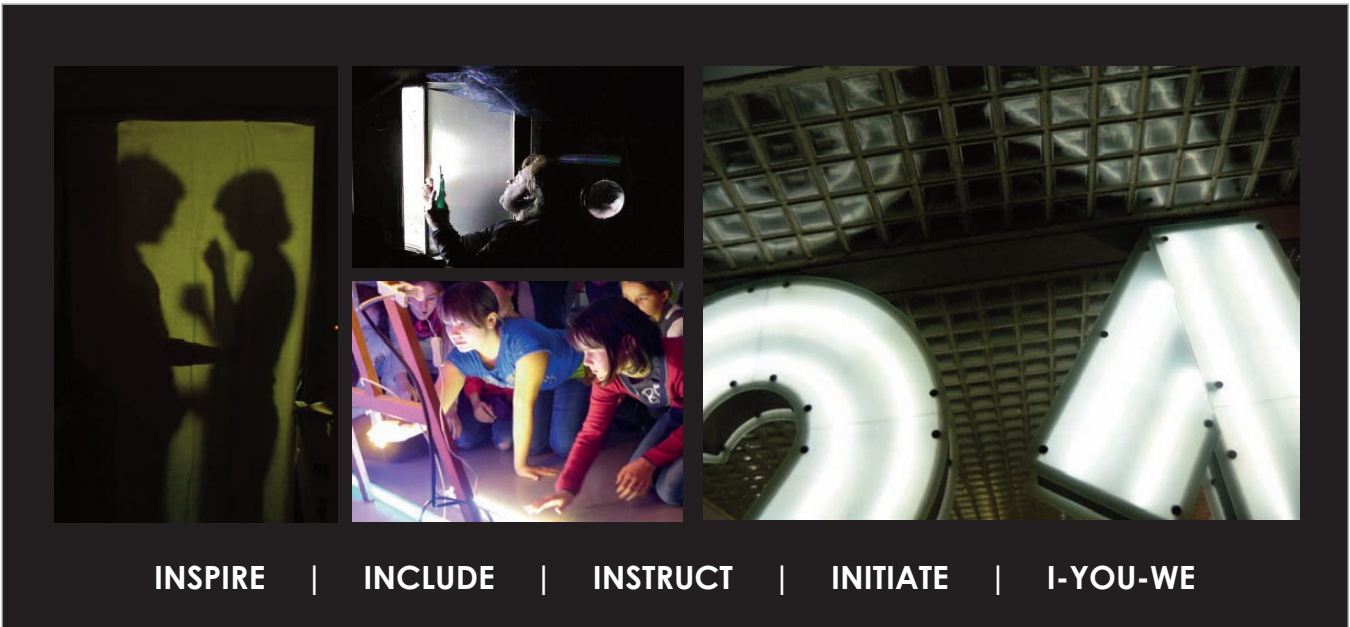




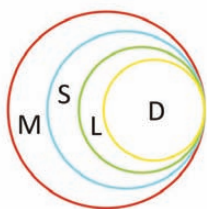
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"I decided to attend the ILP Exterior Lighting Diploma to enhance my knowledge of lighting design principles and requirements for all exterior applications."

Rob Waters, Technical Manager.

"The ILP Exterior Lighting Diploma is a key educational milestone achievement for both sales and technical staff and provides them with the additional knowledge required to make technical decisions... through extended knowledge, confidence and accuracy of information." *Ross Evans, Managing Director, TRT Lighting Ltd.*



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THE PR



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Our newly expanded range of energy efficient, fire-rated LED downlights provides the solution for any installation

After continuous research and development we've considerably expanded our downlight range to offer an extensive variety of project solutions. Introducing new features such as dim to warm and colour switchable technology for incredible versatility, truly low glare designs for visual comfort, adjustable fittings with interchangeable bezels and insulation coverable driver upgrades for easy installation.

All of this is in addition to the time-tested reliability, outstanding extended warranty, easy to use push-fit terminal connector and continuous innovation that makes this downlight range so highly trusted among professional's and their customers.



**COLLINGWOOD
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Create a space where the focus is returned to comfort, enjoyment, or function, not the source of the light, with our low glare options.



High efficacy

Reduce energy consumption and bills with the outstanding efficacy across our downlight range.



Insulation coverable

Install our downlights with ease with the new insulation coverable driver design featured in most of our range.



Eyes On...

Collingwood Lighting

Michael Burdon, Head of Product Management at Collingwood Lighting talks to A1 Lighting magazine about the company ethos and why they're constantly updating their product ranges.

Collingwood Lighting have been manufacturing LED lighting for many years now, what is the secret to your success?

I believe that our success stems from our commitment to the end result. At the core of everything we do is our desire to not only create and sell innovative, quality LED lighting products, but our vision for how that product will be used. Whether it's reducing the energy bills in a family home, creating a multifunctional space for a commercial venue, designing and producing beautifully lit environments or even being part of gold medal winning gardens at Chelsea Flower Show.



"We also have a passionate, dedicated and highly skilled team with a drive for constant improvement and customer satisfaction."

We also have a passionate, dedicated and highly skilled team with a drive for constant improvement and customer satisfaction. From the Engineering & Product Development teams, to Sales, Production and everyone in between, our colleagues strive for perfection in everything they do and each team member is integral to the overall process and success of the company.

You are constantly updating and improving your technology, can you tell us more about this process?

This process begins with our customers. When it comes to our products, we believe that the most valuable opinion is that of the people that use them: both those responsible for their installation and their clients who will be using them on a regular basis. Following the

launch of any product we collate any feedback - positive or negative - given to our Sales and Customer Service teams, shared on social media, or at our regular training days where we sit with customers and listen to their ideas and opinions.

Each suggestion, criticism and comment is thoroughly considered by the Product Management team. We then take this to our Research & Development team and work together to determine what can be done with this feedback, how the product can be improved and new features added,

ABOVE:
The Winton Beauty of Mathematics Garden at RHS Chelsea Flower Show 2016, designed by Nick Bailey with Collingwood Lighting LEDs.

TOP RIGHT:
H4 PRO 550 SPS.

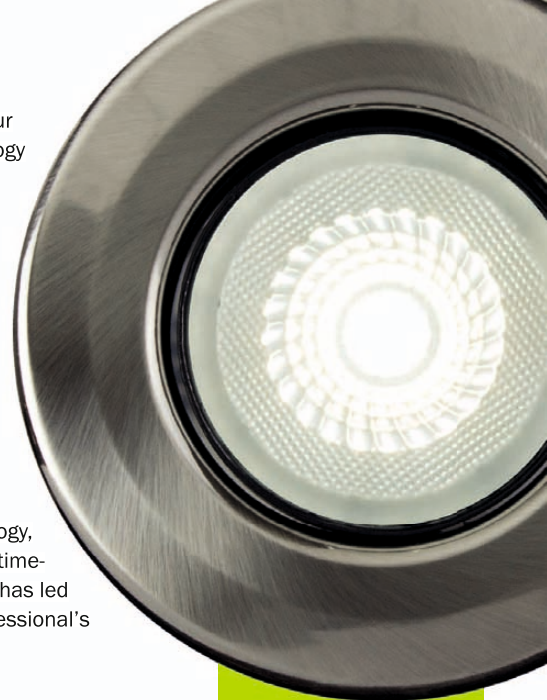
solutions to any issues that have arisen and if necessary if a new product should be developed. For example, shortly after releasing our H2 Lite downlight, we received feedback that it wasn't as easy to fit as the rest of our downlight range; therefore, soon after it's launch we released a new and improved version, complete with push-fit terminal connector and insulation coverable design to make installation easier for our customers.



Often, we implement changes and improvements to our products prior to customer feedback to ensure that we're ahead of the market. While others may stick to the attitude of 'If it's not broke, don't fix it', we like to differentiate from that mind-set, instead ensuring 'dependable innovation' throughout our product line. Our Research & Development team are regularly reviewing the products and generating ideas for our product range. For example, our downlight range was recently updated to provide even better efficacy at up to 112lm/W, as we felt that reducing the energy consumption of our downlights was vital and should be one of our priorities.

Pro Dusk featuring our dim to warm technology to quickly and easily take any room from practical and functional to warm and cosy and back again.

With this range, our aim is to continually innovate to provide a solution for any project, not only through new features and technology, but also through the time-tested reliability that has led us to coin it 'the Professional's downlight'.



"Often, we implement changes and improvements to our products prior to customer feedback to ensure that we're ahead of the market."

You have recently launched the H2 Pro range, can you tell our readers more about these products?

We launched the first version of the H2 Pro back in 2009 and it quickly became a market favourite due to its innovative performance and features. Since then, we've regularly improved it following our update process previously mentioned and it remains one of the most popular downlights on the market. With a shallow profile depth of 49mm, push-fit terminal connector, flexible driver position and twist & lock bezels, it's incredibly easy to install. A staggering efficacy of up to 112lm/W makes it one of the most energy efficient downlights on the market and a choice of 12 bezels makes it suitable for any design scheme.

Due to the popularity and reliability of the product, we've considerably expanded our downlight range by introducing a number of new versions within the H2 Pro family with a range of new technologies. For example the H2 Pro 550 CS with colour switchable technology, providing three colour temperatures in one fitting for easy stocking and versatility; the H2 Pro Elect Trimless featuring our unique design to produce a Unified Glare Rating (UGR) of under 14 for visual comfort and subtlety; and the H2

What have you got planned for 2018?

2018 is set to be another exciting year for Collingwood. We recently significantly enlarged our Product Management team, which has allowed us to invest even more time into reviewing and expanding our product portfolio and investigating more new technologies. So whilst the beginning of this year sees us introduce a versatile mix of products such as new LED strip, floodlights and bulkheads, and sensor options, we're currently reviewing new technology throughout our product ranges to see what we can introduce next, so watch this space! 

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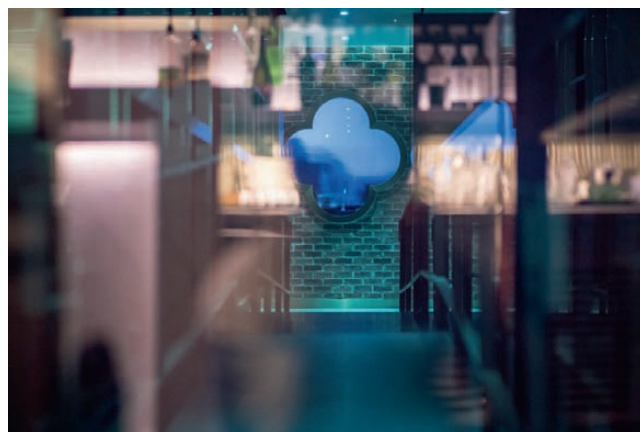

COLLINGWOOD
LIGHTING





Yauatcha

The stars come out in Yauatcha, Houston with a lighting design by Nulty.



Images: © Adrien Daste.

A dramatic lighting design has been created by Nulty for Yauatcha in Houston. It mirrors the design of the London branches of the restaurant chain. The interior design team GBRH worked closely with Nulty on the project situated in the Galleria shopping mall of the city.

A large glass facade acts as a picture window into the restaurant. The lighting picks up and highlights a branded lattice effect and frames the facade utilising the brands signature blue.

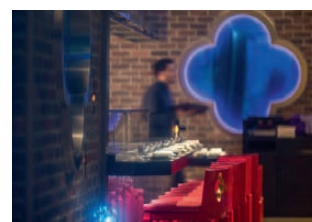
The lighting levels are kept low adding a sense of drama giving an intimate dining experience for the guests. There is a sparkling fibre optic starry ceiling, and small illuminated brass crosses are integrated within the brick walls.

The reception area features large pendants highlighting the concierge desk, and a large backlit glass fish tank.

The dim sum kitchen is at the rear of the restaurant, a large area which is open and illuminated with a higher level of light to reinforce the 'theatre' where you can see the specialist food being prepared.

Above the tables hang clusters of bone white ceramic pendants which create narrow beams of soft

light. Narrow beam downlights are positioned above the bench at the bar area, they have a large outdoor terrace area which is illuminated with layers of soft white light creating a calm and relaxed environment. The planters and foliage are also illuminated.



The lighting levels are kept low adding a sense of drama, and giving an intimate dining experience for the guests. There is a sparkling fibre optic starry ceiling, and small illuminated brass crosses are integrated within the brick walls.

Phillip Copland, Senior Lighting Designer at Nulty says, "The lighting for Yauatcha Houston helps celebrate the Yauatcha Brand in the USA, the lighting creates a memorable and unique dining experience at the heart of the busy Galleria shopping destination".

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Hamilton Litestat
Hotel Indigo
Cardiff, Wales



Hotel Indigo[©] Cardiff



Hamilton provides the finishing touch to Welsh heritage-celebrating hotel, Hotel Indigo[®] Cardiff.

Hotel Indigo[®] has recently opened in Cardiff offering 122 guestrooms. Matthews Mee Interior Design carefully researched the area so that they could incorporate the Welsh heritage into the design.

Hamilton Litestat supplied all the electrical accessories which complement the design themes. These were installed by electrical contractor Kier who worked closely with Matthews Mee.

Amongst the electrical equipment, Hartland 1, 2 and 3-gang rocker switches were chosen, specifically for the lighting. They selected 2-gang dual-switched sockets for the power supply and dual-switched sockets with two USB charger points situated at the bedsides in the rooms. The guests therefore have 24/7 connectivity, they have 1A rated USB port for mobile phone charging and 2.1A port for tablets and other devices.

Hamilton's hotel key card switch welcomes guests, while a European SCHUKO and dual USB 2-gang switched socket was fitted in a bespoke plate above the vanity table to make European visitors more comfortable.

All 122 bathrooms are fitted with Hartland plates in Satin Steel with White inserts.

The Hartland design has a Matt Black finish with Copper switches and Matt Black inserts furnishes the 72 'Made in Wales' and 31 'Welsh Industry' rooms. The 19 'Music' rooms feature Hartland in Antique Brass with Antique Brass switches and Black inserts.

Andrew Miles, Senior Project Manager for Kier Construction Western and Wales said, "Having seen the hotel's design we were confident we could successfully collaborate with Hamilton and deliver a bespoke solution that could achieve the aspirations of Matthews Mee. The clean, timeless design of the Hartland collection was perfect for this project."

Tom Gaskell, General Manager at Hotel Indigo[®] Cardiff added, "We take immense pride in our attention to detail and we're pleased to have found an electrical partner that takes this as seriously as us. It's these little touches that turns a nice hotel into an exceptional hotel."

Hamilton Litestat
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www.hamilton-litestat.com



Hamilton's hotel key card switch welcomes guests, while a European SCHUKO and dual USB 2-gang switched socket was fitted in a bespoke plate above the vanity table to make European visitors more comfortable.



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Photograph Courtesy of Michael Maynard Photography



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The Southbank Centre

The Hayward Gallery roof at the Southbank Centre, Central London, has been recently transformed by renowned artist David Batchelor. He was commissioned to create *Sixty Minute Spectrum* and has transformed the space into a chromatic clock. They approached White Light to provide the lighting and to make David Batchelor's design a reality.

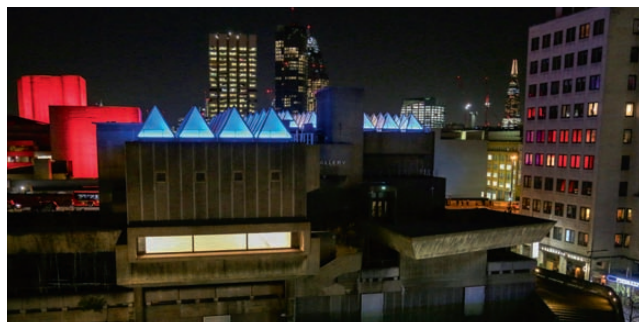
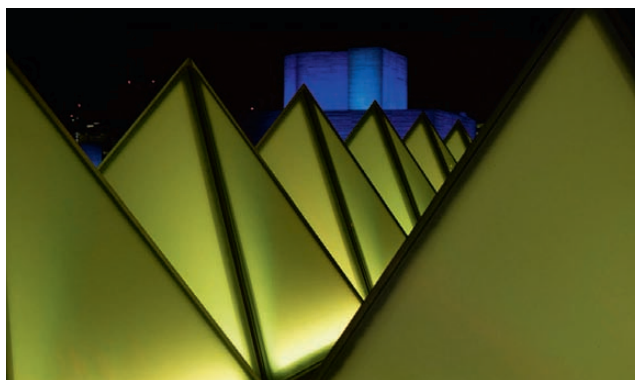
David comments: "I have worked with Ralph Rugoff, the Gallery's Director, in the past and he wanted me to create something spectacular which would be a fitting way to celebrate the reopening of the Gallery. It had to be something extremely vivid that would draw people to the building".

To achieve this, David came up with the idea of a spectrum clock to showcase a range of colours over a certain period of time. He explains: "I wanted to use the gallery's unique pyramid rooflights to move gradually through the entire visible chromatic spectrum every 60 minutes. Starting and ending the hour with a vivid red, I wanted solid colours to appear at different points throughout the cycle. In a city the size of London, there is so much competition visually in the sky at night. We needed something to truly stand out and solid colour is a great way to achieve this."

WL provided the technical solutions and the project was overseen by WL Systems Design Engineer Ian Davies. WL Engineering Manager Patrick Lockwood led the on-site Installations Team. Ian comments: "David's chromatic spectrum had to be LED programmed in order for the colours to change consistently. He provided us with a diagram of



White Light work on the roof at the Southbank Centre, bringing artist David Batchelor's design to life.



how he envisaged the roof looking and we had to formulate a technical concept in order to achieve this".

WL worked on the roofs of Galleries 4 and 5 at the Hayward. Ian explains: "We initially had a demo running on site for three months on one pyramid to ensure we were happy with the output.

Photos courtesy of Southbank Centre.

Once we realised this offered enough brightness, we began with the larger install".

38 of the 66 individual pyramids were lit which gave the appearance that the roof was completely lit up. 76 x RGB LED battens were fitted to the pyramids. A rack was fitted in the Switch Room along with 2 X ISTL Thor 36 LED channel drivers to control the LED. The LED drivers were driven using a Pharos LPC2.

Ian explains: "With David's design being so specific and dependent on timings, we had to supply a technical set up that was completely reliable". The installation took two weeks to complete.

David comments: "I am absolutely delighted with the support of WL in helping to bring my design to life. We have created something dramatically striking with *Sixty Minute Spectrum* and it hopefully provides an exciting countdown to when the building officially reopens".

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York Minster *cathedral*

Concord was recently asked by Sutton Vane Associates to work on their stunning new lighting scheme for York Minster cathedral.

Images courtesy of Feilo Sylvania.



"It is now possible to stand at the West end and not see a single light fitting, and yet the Minster is beautifully and brightly lit."

Julie O'Reilly, Creative Director,
Sutton Vane Associates.



York Minster is one of the most magnificent medieval Gothic cathedrals in northern Europe. The present day building is around 800 years old.

Sutton Vane Associates approached Concord who are experts in illuminating heritage buildings and are also part of Feilo Sylvania, for the new lighting scheme at York Minster cathedral.

Sutton Vane Associates had to create a new lighting solution for the complete building, and selected Concord to enhance the visitor experience and improve the energy efficiency of the system. Concord's new Beacon spotlights were selected as they are smaller than the previous fixtures and less intrusive to the area.

"It was essential to hide the fittings as much as possible to show off the magnificent architecture with minimum amount of visible technology and clutter," explains Julie O'Reilly, Creative Director at Sutton Vane Associates. "It is now possible to stand at the West end and not see a single light fitting, and yet the Minster is beautifully and brightly lit."

The Nave Aisles and the Kings Screen or as it is also known the

Quire Screen is now lit with a warm white light ensuring the red and gold tones are shown in their true form. They used Concord Beacon XL Muse and Beacon XXL. The Beacon XXL is more powerful, and better suited to spaces with higher ceilings. Beacon XL Muse features cutting-edge LED technology and ancient lens principles which create a fully adjustable spotlight. The beam angle can be adjusted from 10° to 70° and can provide a dimmable range between 5-100 percent.

Sutton Vane Associates have received the Heritage Project of the Year accolade at the Lighting Design Awards 2017. This prestigious award recognises the true excellence in the lighting industry, and the York Minster demonstrated this with innovative design and concealed fittings.

Concord from Feilo Sylvania
0800 440 2478
www.feilosylvania.com

Sutton Vale Associates
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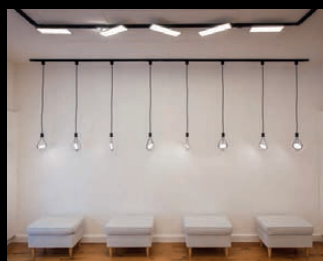
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CityTouch for Cardiff

Philips CityTouch 1,000th project for the City of Cardiff.



Philips Lighting have announced that it has delivered its 1,000th project using its Philips CityTouch streetlight management system since its launch in 2012. The milestone installation, involving 14,000 Philips connected LED streetlights in the City of Cardiff will increase energy savings and operational efficiencies. The street lights are monitored and controlled remotely by Philips CityTouch and provides Cardiff with an infrastructure that may be upgraded to provide additional smart city services.

Each light point is being connected wirelessly to Philips CityTouch which is used to monitor, control and manage the entire lighting network. The system can dim or increase the brightness of street lights to meet the needs of the city at any given moment.

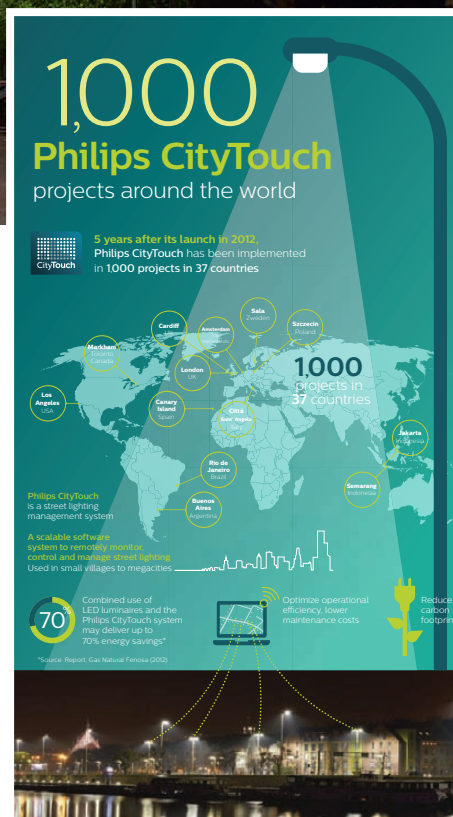
The switch to connected LED lighting is expected to reduce electricity for lighting by 60 percent with estimated savings for the Council of more than £750,000 per year.

Philips Lighting and Cardiff City Council, along with consultancy firm

Jacobs Ltd, researched public views on the city's current street lighting to assess available options. The findings were instrumental to Cardiff selecting luminaires giving 3,000 Kelvin warm white light. Philips CityTouch also gives the Council the ability to adjust the level of light for partially-sighted citizens who may want brighter lighting outside their homes.

"We looked at a broad range of factors when selecting our new connected lighting system. Our top priorities were to ensure maximum benefit for our citizens and capitalise on potential cost and energy savings. Philips Lighting has given us an infrastructure that will grow with our needs and provide quality light to make our citizens feel safer," said Chris Jones, Lead Electrical Officer at Cardiff City Council.

"Our connected street lighting will contribute to a safer environment and will enable the city to achieve energy saving. It provides a scalable and flexible digital infrastructure which gives the city options for the future, such as inputting data into smart city dashboards or adding sensors that



could, for example, monitor noise or traffic," said Jacques Letzelter, Head of Public Lighting for Philips Lighting.

Philips CityTouch is a highly scalable and flexible management system, used to manage lighting in small towns to megacities around the globe.

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The Great Wall

Airstar provide lighting for big-budget movie.



The big-budget monster movie was the first English language project for the world-renowned Chinese director, producer, writer and actor Zhang Yimou. Zhang was seeking a particular look for the US-China co-produced film, and Airstar's lighting balloons were the perfect solution.

detailed and complex. Two Solarc 370 1200x4 HMI models with magnetic ballast and two tubes 4x4000 HMI were deployed on set, selected because they could create and fix the light in chroma key, making it softer and more uniform.

Sean O'Neill, Main Unit Gaffer explains: "The balloons were used for all our night time exterior shoots

each day of filming, parking them in container-walled garages rather than having to spend precious time on setting up and de-rigging."

Paolo Grasso, Sales Manager for the Airstar European Network who was instrumental in training the Airstar technicians and local team in China for the project, said: "It was a real team effort and a pleasure to play a supporting role in such an impressive production. I was able to connect remotely with the Airstar team on the ground to coordinate the set up and movements; together we were able to quickly troubleshoot any technical challenges."

O'Neill concludes: "Airstar's innovative products are really transforming how we approach lighting on movie sets; they have made an invaluable contribution to the film and television industry."

"The balloons were at the heart of our set up – enabling us to overcome the challenges and deliver large amounts of good quality soft light without the need for heavy machinery."

Sean O'Neill, Main Unit Gaffer, The Great Wall.

'The Great Wall' sees Golden Globe and Academy Award winning actor Matt Damon cast as a European mercenary embroiled in the defence of the Great Wall of China. Featuring acrobatic camerawork and impressive 3D fight scenes, the film is a true visual masterpiece.

With a production on this scale the lighting requirements were

and for scenes on the wall set. The balloons were at the heart of our set up – enabling us to overcome the challenges and deliver large amounts of good quality soft light without the need for heavy machinery."

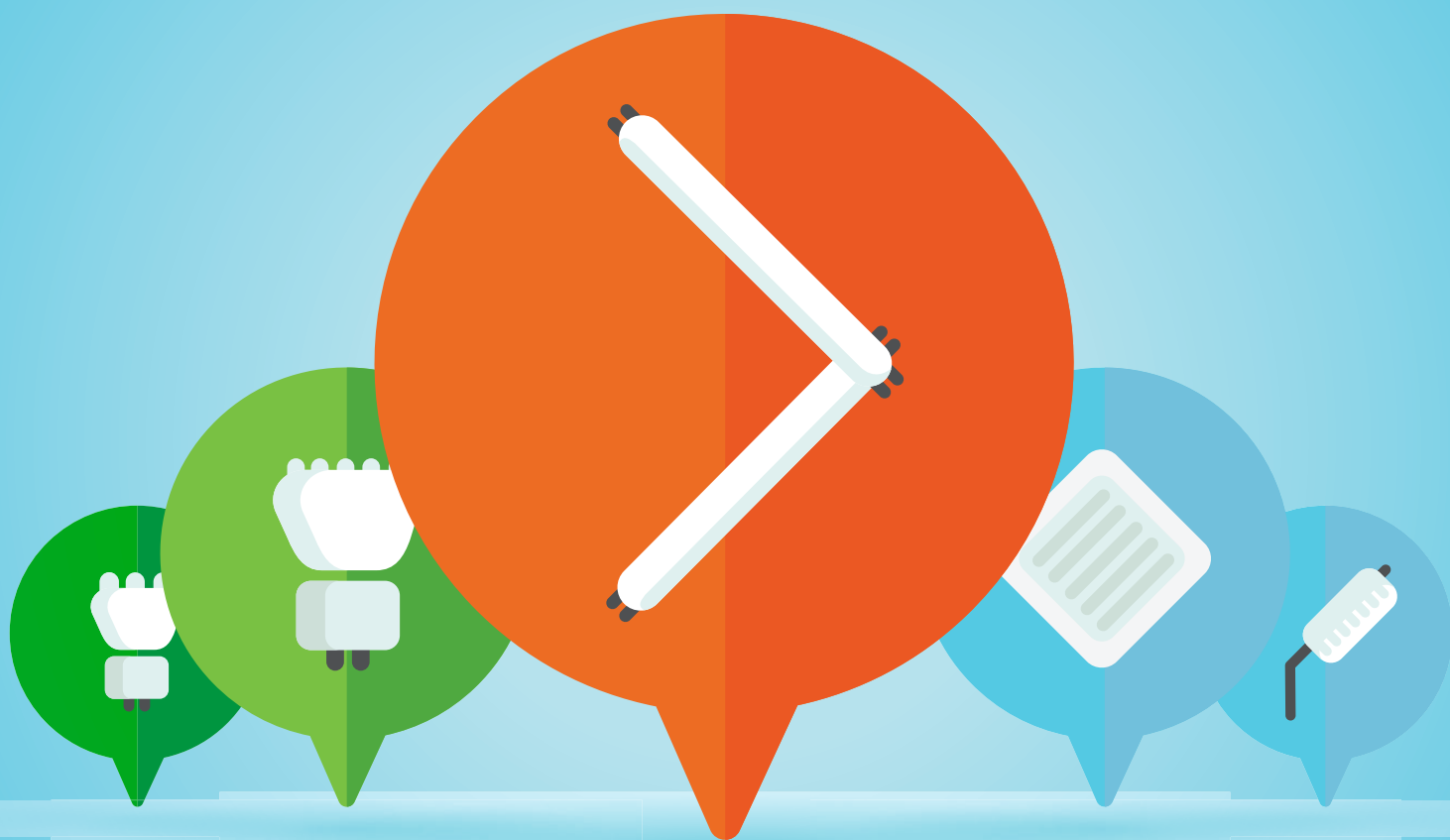
O'Neill added; "We were able to light the set with ease, speed and minimal impact. We left the balloons inflated at the end of



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The construction of the National College for High Speed Rail has been supported by CP Electronics to ensure a quality approach to the lighting control. This has made installations much smoother for the contractors.

Briggs & Forrester Engineering Services Ltd have worked with CP Electronics on a number of successful projects previously.



National College for High Speed Rail

Input from CP Electronics throughout the construction of the National College for High Speed Rail has supported a quality-assurance approach to lighting control, resulting in a smoother installation for contractors.

CP provided a lighting plan based on the technical and cost objectives of the project. It was on the strength of this comprehensive plan that CP was selected to provide lighting controls for the development, working with Briggs & Forrester to continue to evolve the lighting plan in line with changing project requirements.

The atrium is divided up into a combination of office space, lecture rooms and workshops, spread across three storeys. Originally a fully-addressable system was put forward, but the requirements of the project made this less suitable and so an alternative lighting control solution was recommended by CP; CP's Vitesse Plus standalone lighting control system and An10 wireless presence detectors.

Energy efficiency was a priority for the National College for High Speed Rail and CP's Vitesse Plus lighting control system provides graduated dimming throughout the office and classroom spaces, minimising energy consumption. All lights can be controlled via a single switch and individual lights at the

front of the class can be turned on and off, making the interactive whiteboard more visible to students.

Integral to reducing installation time, and maximising energy savings is the use of An-10 wireless presence detectors. Used throughout the corridors and stairways, the sensors ensure that lighting is activated to full brightness only when the space is in use, while maintaining a dimmed level of lighting for safety purposes at all other times. Overall, this eliminates unnecessary energy consumption, helping to keep running costs as low as possible. Because the sensors are linked wirelessly, this also saved time on installation, reducing the overall complexity of the project.


The lighting had to be compatible with the intruder alarm system so that the lights activated in the atrium when the alarm was triggered.

Nick Richardson, Project Manager at Briggs & Forrester, who was leading the project, explained: "The support from CP Electronics throughout the project was first class. We were particularly

impressed with the technical support that was provided to us."

He went on to say, "Unlike many other projects, where electrical installers are expected to figure out



how to get products up and running which can lead to issues further down the line, CP Electronics took the time to explain how they all worked. This allowed us to get the installation and commissioning right first-time round, ensuring the project was delivered in the most efficient way possible." 

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Firth of Forth

Thorn Lighting provides an effective solution for the stunning new Queensferry Crossing on the east coast of Scotland.

Queensferry Crossing is a new bridge across the Firth of Forth on the eastern side of Scotland. It is illuminated by Thorn Lighting who together with national M&E specialist, SES engineering Services (SES), worked on this £1.35 billion project.

The lighting was developed to enhance the strong aesthetics of the bridge and ensure excellent energy efficiency. The lighting technologies and luminaires fulfil various specific functions, utilising lenses and precise focusing to maximise effectiveness and minimise stray light and glare.

Altis floodlights have been used to illuminate the towers and highlight the distinctive shape of the bridge at night. It incorporates a patented optic offering a unique range of photometry, including outstanding levels of vertical

illuminance that accentuate the north, south and central towers.

There is a specially designed three metre high acrylic windshield across the entire length of this new bridge which gives protection from the wind to help keep the bridge open in stormy weather. There are more than 2,000 Aquaforce LED fittings which provide lighting for the general electrical equipment and dehumidification machinery. The IP65 rating and excellent reliability allows Aquaforce to cope with the wet and dirty conditions in the maintenance areas below.

Orus LED bollards with durable IP66 protection give low-level road illumination on the bridge. Orus LED utilises Flat Beam® technology to guarantee a pleasant driving experience for those crossing the bridge, while remote dimming and monitoring are made possible by the integration of Transport

“We are proud to have played a part in this enormous project. It is a stunning bridge to look at and an amazing feat of modern engineering.”

Paul Coggins, Senior Vice President Northern Europe, Zumtobel Group.

Scotland's CMS system. This lighting installation is supporting the Scottish Government's pledge to lower carbon emissions, reduce lighting pollution and limit the impact on rural landscapes. Both sides of the road on the bridge have R2L2 LED road lanterns.

Paul Coggins, Zumtobel Group's Senior Vice President Northern Europe confirmed, “We are proud to have played a part in this enormous project. It is a stunning bridge to look at and an amazing feat of modern engineering. The Queensferry Crossing is an awesome achievement and everyone involved should be congratulated on the successful completion of this truly iconic structure.”

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Photo credits Gavin Justice

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Vulcan VN LED IP65.

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Offered in two lengths, single or twin and in 22W up to 55W versions, Vulcan luminaires feature a high transmission opal diffuser optimised for wide photometric distribution* ensuring LED lumens are utilised effectively to provide high illumination with minimum energy consumption.

Vulcan can be suspended or surface mounted and the IP65, sealed polycarbonate enclosure utilises stainless steel clips making the complete luminaire ideal for cold stores, food preparation areas and high-hygiene environments. Vulcan luminaires are also available with integral emergency lighting including DALI/Self-Test versions.

*Photometric performance details of all Vulcan LED luminaires is available on request.

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Iluminarc
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Craddock Terry Hotel



Craddock Terry Hotel was originally the largest shoe factory in America. To honour its past use, consideration was given to the planning. It has a large shoe suspended over the entrance, and free shoe shines are offered to every guest.

The original character with exposed wood beam ceilings, thick stone walls and 9 foot windows remain. They have used rich coloured light that washes the front columns, courtesy of Iluminarc Colorist 8Qa Panels installed by Jon Daggett, Co-owner of Castle Lighting.

Ten IP65-rated RGBA panels are positioned across the base of a 135 foot section of the three-storey building, lighting the columns that



Jon Daggett and Iluminarc pay homage to history at Craddock Terry Hotel in America.

output of these fixtures is more than up to the task, and of course they're outdoor rated. We replaced some older LED units that had been lighting the outside of the building with the ILUMINARC fixtures for this project, and there was no comparison."

"The old fixtures were about four to five feet away from the building," said Daggett. "We repositioned the Colorist panels at a distance of nine inches from the wall. Doing this allowed us to create real uplighting, rather than simply wash the building

"The colours change depending on the time of year and any special events that are taking place," said Daggett. "Currently, we use the end fixture as the master and have the other nine units follow it, so setting the colour is done at the first fixture. However, we're going back to installing DMX into the building, so the hotel will be able to control things from computers in their office, or we at Castle can remotely program for them. With this being an historic, brick building finding a path to get data out without disturbing any of the architecture has taken some thought and planning."

"We are discussing tying everything together with lighting," he said. "The goal is to create a unified look that pays homage to the entire building, which is steeped in history."

"The colours change depending on the time of year and any special events that are taking place."

Jon Daggett, Co-owner, Castle Event Lighting.

separate its large 'factory windows'.

"The Colorist Panel 8Qa was a perfect fit for this project, because of its shape, footprint, and punch," said Daggett. "We wanted a light that conveyed very rich saturated colours, given the powerful image that this building projects. The

as was done in the past. Thanks to the throw distance and output of the Iluminarc, we had no trouble making this design change."

The Colorist 8Qa Panels are able to change the colours on the outside of the hotel, complementing seasonal themes.

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10

Feeling the Energy

Anolis LED fixtures used to illuminate the indicator for residential heat storage tank.

Installed in the Drispensstedt residential district of Hildesheim, Lower Saxony, Germany, the impressive 17.5 metre high, 4 metre wide structure designed by pape+pape Architekten from Kassel, resembles a rather quirky piece of sculpture. It contains an internal cylindrical water feature which is illuminated by the Anolis ArcSources which are programmed to indicate how much of the energy generated from the nearby natural gas-fired combined heat and power plant (CHP) is available for use. The feature glows red when the energy available is at its height, through to blue as the energy diminishes.

imperative that the indicator structure was aesthetically pleasing.

Matthias found the Anolis products to be reliable and robustly built. He knew the flexible DMX controllability and super-smooth homogenised colour mixing of the ArcSource 1MC enabled via the multichip LED engine would be a perfect solution.

The structure's perforated exterior membrane was fitted over the uneven steel sub-frame only a few days after the construction of the tower was completed by a team from local specialist, Technik-Werft.

The goal was to have a dynamic mix between light movement and

The plan also involved the renovation of heating systems in 1,600 homes, at a cost of around three million euros.

Photos: SSP Design.

The lighting installation was commissioned by energy company Energieversorgung Hildesheim, and the lighting design was delivered by locally based architectural lighting specialist SSP Design, with Matthias Schiminski and Henrik Nolte as the project's lead engineer and designer.

The plan also involved the renovation of heating systems in 1,600 homes, at a cost of around three million euros. The new heat storage system ensures the highest levels of flexibility and efficiency by storing un-needed heat that is generated during the power production process.

Situated in the heart of a residential district, it was also

even coverage, so several different angles were required to get the fixtures aligned.

The Anolis ArcPower drivers are connected to a port on the power generator control system, so they can receive the correct capacity and thermal data as related to the storage status, which is converted to DMX which then changes the colour of the fixtures.

The dynamically shifting energy storage levels are an effect that people can watch in real time, which has become a local talking-point.

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Q&A

Wildwood PR



Tanya Houston, Managing Director of Wildwood PR talks to A1 Lighting about the company and why many companies in the built environment use their services.



Wildwood PR was established over 20 years ago. How did the company start and how has it changed over the past 20 years?

I've had a long career in PR and prior to founding Wildwood I worked for a variety of different agencies. I did the 'London thing' as most young people in PR do. It was a great time in the late 80s' early 90s and I wouldn't change it for anything but I came to a point where I'd learned a lot, but began to think I've a lot more to offer. Sometimes it's difficult to realise your full potential when you are working for a big agency. I thought about it and the idea of starting my own agency seemed the best way to do that. Shortly after that,

Things are always done 'the Wildwood way' which keeps everyone on their toes and ensures all our work, relationships and results are always of the highest standard.

in May 1994 I started Wildwood PR. We started small, just me, and my first few clients were all connected with the lighting industry and I'm glad to say we're still working in lighting today. We've seen many changes – not least in the lighting industry with the LED revolution which has been an absolute game-changer - and of course with Jeff Hayward and John Houston joining the board back in 1996, we expanded to many other markets connected to the built environment. In terms of Wildwood, we now offer the full range of marketing services, growing from a sole trader to a 20-strong team of PR and marketing professionals.



We started small, and my first few clients were all connected with the lighting industry and I'm glad to say we're still working in lighting today.

ISE starts the year with a bang and it generally carries on in the same vein for the rest of the year – especially as we then have Light + Building in Frankfurt to look forward to this year.

Images courtesy of Wildwood PR.



What makes you and your team stand out from your competitors?

I think we stand out because of our brilliant team of people. I'm immensely proud of all of them and the amazing work they do for our clients. We have incredibly high standards and that is one thing on which we will not compromise. Things are always done 'the Wildwood way' which keeps everyone on their toes and ensures all our work, relationships and results are always of the highest standard.

What has been your biggest challenge to date and how did you overcome it?


The recession of 2008/9 was a tough time, especially as some companies

reacted by cutting back on marketing and PR spend. We worked hard to retain most, if not all of our clients, and we've been growing ever since! Also, the social media revolution has meant we have had to adapt our offering to clients to fit in with these changes. It's definitely exciting to watch PR evolve as media demands change.

What are your plans for 2018?

We start 2018 off with our biggest event of the year - ISE 2018. This is a huge event for us as we have 15 clients at the show and we are heavily involved on the organisation side. ISE starts the year with a bang and it

generally carries on in the same vein for the rest of the year – especially as we then have Light + Building in Frankfurt to look forward to this year.

We have had a new software system installed and getting on top of that will be a priority for the first couple of months. We will also continue to expand, not in a reckless way, but in the way we always have, organically, and in line with client work. Of course, our main objective is to maintain our quality approach and continue to deliver the service levels that our clients have come to expect from Wildwood PR. 

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Megaman® launches new Tono LED batten range

Recognised globally as one of the leading manufacturers of low energy lighting solutions, Megaman has launched its latest integrated LED batten. The Tono collection offers a modern, chic alternative to the traditional T5 and T8 fluorescent luminaires, providing flexible installation and exceptional energy efficiency. The slim profile, just 24mm in depth, ensures the Tono collection is suitable for both general and task lighting.

The Tono LED battens are available in three different options, 16W, 38W and 48W, producing up to 4500 lumens, with colour temperature options of 3000K and 4000K. Tono LED batten units are completely integrated, removing the need to wire multiple elements during the installation process. For more information on Megaman's range of products, visit www.megamanuk.com



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MID Lighting has released a new LED catalogue containing the latest developments within our LED range. The brochure includes products that have been manufactured for well-known projects such as 1 Burlington Place, W5 Regent Street, TPG Park Street, 69 Carter Lane and Battersea Power Station.

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SmartSensor™ - Versatile DALI lighting control

Lighting control specialist Calon have introduced an updated version of their acclaimed SmartSensor™ range of DALI lighting controls.

Featuring an improved housing that's easier to install, plus a slimmer bezel for a more discreet appearance, SmartSensor now has even more control options available, making it a complete lighting control system in a sensor. SmartSensor works straight out of the box as a standalone DALI controller without commissioning, but can be quickly and easily set up for more demanding applications such as larger offices, meeting or board rooms, classrooms and corridors. SmartSensor is designed to be installer-friendly and does not require any special tools or software to set up – even DALI lamp addressing is handled automatically by the sensor.

To make the installation process even easier, Calon has introduced the Active Wiring Centre, a new DALI lighting control module that's designed to work with SmartSensor for a truly 'plug and play' solution.



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Lux Intelligent now available as an Android app

Advanced has added an Android app to its Lux Intelligent emergency lighting testing system. This is in addition to the existing iOS and desktop versions.

Cloud monitoring via mobile and web apps makes emergency light testing via Lux Intelligent extremely easy and more cost effective, while demonstrating compliance. All test data is stored safely and securely in the Lux Intelligent cloud for as long as it is needed, with all test reports accessible at any time and automatically shared with relevant contractors or maintenance partners.

Lux Intelligent is an addressable, automatic test system that shows all emergency lighting is compliant and functioning, with no engineer intervention required. It can be used with both new builds or retrofitted onto existing wiring and luminaires, keeping installation costs to a minimum. It offers a host of unique technical features and proves compliance with BS 5266-1 and BS EN 50172.



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Explora® Halo

Designed and manufactured in the UK by Hacel, the exclusive Explora® Halo LED Pendant luminaire is the artistic choice for producing a lighting statement. Displaying a homogenous halo of enlightened luminance, the Explora® showcases a translucent yet reflective design. Offering direct and indirect lighting, the Explora® Halo is available in three sizes and allows for flexibility in creating inspirational mixed compositions or used as a single, sophisticated focal point to optimise surrounding architecture. As part of the Explora range, Linear Pendants and Wall Lights are also available. For more information, please contact marketing@hacel.co.uk.



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Gamma Illumination is an innovative UK designer and manufacturer of project lighting solutions. We focus on enhancing environments through the fusion of excellent quality and value without compromise. Our USP is flexibility, we can tailor catalogue products or create bespoke luminaires to address your specific requirements and deliver them to suit your schedule and budget. Our products are tested in-house in our state-of-the-art laboratories to ensure compliance and provide complete peace of mind.



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Our flexible daisy chain advanced LED modular system provides energy efficiency, long life and reliability. The complete stretch and lighting system can be installed quickly on site following pre-assembly and testing in our workshop.



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Switchtec signs prestigious distribution agreement for surge protection

Specialist distributor Switchtec has secured an exclusive distribution agreement with French surge protection specialist, Citel. Under the agreement Switchtec will have sole distribution rights to Citel's vast range of surge protection equipment in the UK.

While the range of Citel surge protection devices (SPDs) available from Switchtec will be extensive, the company expects to make big inroads in the DIN rail mounted AC surge protectors market. Citel DIN rail mounted surge protectors are easy to install in any standardized distribution panel or control cabinets. The SPDs are equipped with a thermal disconnection device and provide real-time fault indicators thus allowing complete operational safety.



Recolight

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Household Luminaire producers – get ready for WEEE compliance

From the beginning of January 2019, household luminaires come into scope of the UK's WEEE regulations. Manufacturers, importers, and own brands of domestic light fittings will need to comply. Time line for compliance;

- 2018 join a WEEE Producer Compliance scheme (PCS).
- 2019 declare products put on market. Costs in 2019 will be limited to PCS membership and EA charges only.
- 2020 a government target will be set for recycling. Costs in 2020 will also include a charge for recycling, based on market share.

Talk to us at Recolight, we provide WEEE compliance for all lighting and a recycling service too, taking on your WEEE obligations.

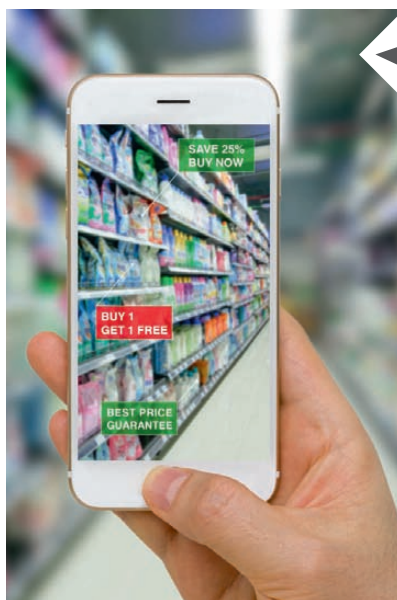


WEEE compliance for all lighting
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Working to get the WEEE
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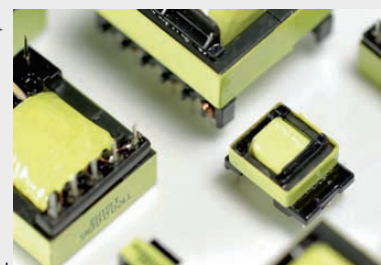
July 2017 witnessed the launch of the iDrive® Force 12 Hybrid+, one of the world's most advanced LED drivers, incorporating Visual Light Communication (VLC) capabilities to enable luminaire manufacturers and system integrators to create their own high precision, indoor location-based marketing solutions. The new Hybrid+ LED output stage has taken nearly a decade to perfect and provides unprecedented levels of smooth, flicker-free dimming, with seamless integration of optical VLC beacon technology. The Force 12 Hybrid+ builds on IST's extensive knowhow to deliver the first open platform and cost-effective indoor positioning VLC drivers to enable the lighting industry to capture a large section of the burgeoning positioning market.

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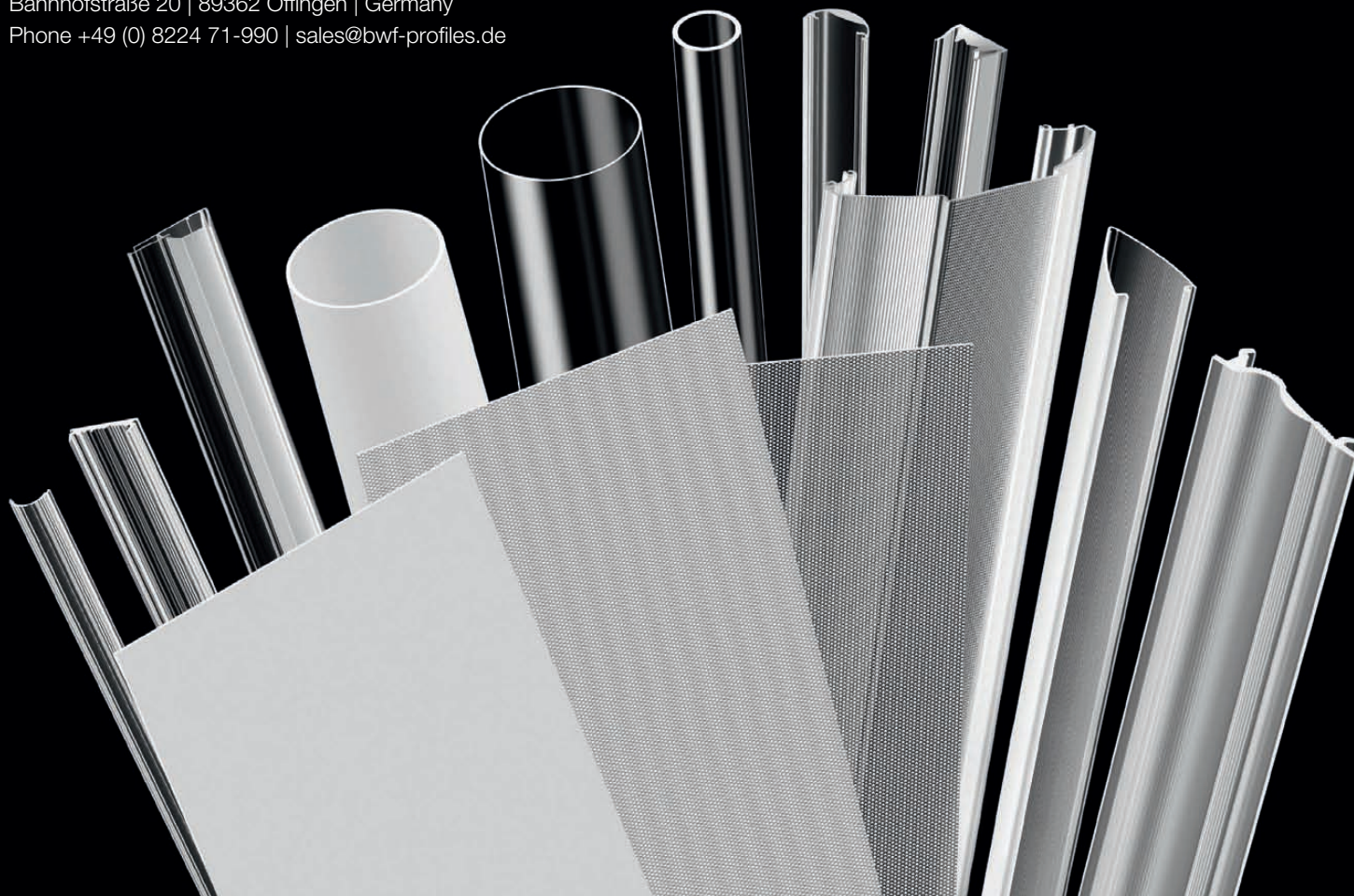
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Our client, a well-established and key player in the industry, is seeking a lighting sales professional to sell the technical service, increase brand awareness and offer a completely independent marketing/sales benefit to lighting suppliers and manufacturers throughout the UK. This represents an exciting opportunity at a time of change and growth and needs a creative, solution led sales person with drive and initiative to further develop this division and increase market share. The ideal candidate could be an experienced specification salesperson used to putting proposals together and offering solutions, you should be customer focussed in offering a professional, ethical and beneficial/efficient service. You will be technically knowledgeable about lighting products, industry standards and current legislation.

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Oysters are their speciality and you will not find fresher, they are cultivated in the creek and then processed in the adjoining oyster shed.

Restaurant

West Mersea Oyster Bar is as you would expect located on Mersea Island just 9 miles southeast of Colchester in Essex. The island is split into two; East and West Mersea, connected by a causeway called the strood. This can flood at high tide so be sure to check out the tide times before you set out to avoid the wait.

This restaurant is a personal favourite of mine and one I always like to visit when possible.

They say, location is what it is all about and this is no exception; with views across the estuary framed by sailing boats in dry dock, it's simply perfect. However we are here for the seafood and this place will not let you down. It's first class and plentiful offering the best fish and chips (like no other I have ever

If, like me, you enjoy shellfish, then be prepared it's like being a child in a sweet shop.



tasted) but this is no fish and chip shop. If, like me, you enjoy shellfish, then be prepared as it's like being a child in a sweet shop; grilled lobsters, delicious giant crevettes in garlic butter, fresh dressed crab salad, scallops, fruit de mare and plenty more, including a range of specials on the board.

Oysters are their speciality and you will not find fresher, they are cultivated in the creek and then processed in the adjoining oyster shed. They are supplied to restaurants around the world to the tune of one million per year and makes interesting reading on the restaurant wall. So chances are if you see Colchester rock oysters or Mersea native on the menu then they have probably come from here.

There are no airs and graces here. Come dressed as you wish

and you will be warmly welcomed by very friendly staff who work hard to meet the endless stream of food from the open kitchen. In the summer there are tables outside on a first come first served basis but you can book a table inside. If you want to take your chances then the queue is out the door but that's probably their best reference and believe me it's worth the wait.

After lunch, I would recommend taking a short walk along the waters edges, and if you are lucky, you may see the resident seal. What a day!

Written by Terry Ware.

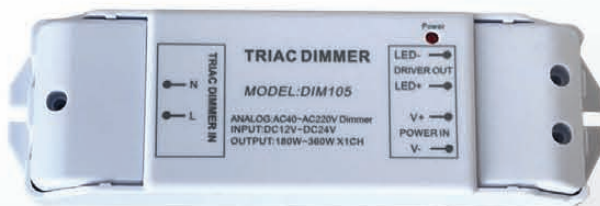
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A new dawn for outdoor lighting?



Ian Major, Product Consultant at Integral LED talks to A1 Lighting about the uptake in LED garden lighting.

The emergence of new LED lighting applications is delivering new opportunities, almost on a daily basis.

Integral LED anticipates a surge of growth within the exterior home and garden lighting sectors and has launched a range of essential, small, stylish and contemporary luminaires to meet the anticipated demand. At a recent launch of this new outdoor range, Integral LED called for designers, specifiers and installers to re-think their approach and to include external lighting in all future residential schemes.

The navigation around a driveway and a garden at night is important for safety, but can also add a touch of class and beauty to a home. Accent lighting can be used for illumination at low levels for steps and walls or to highlight points of interest and create a pathway for people to follow.

The advantages of the longevity of LED has enabled lights to be built into permanent structures of an exterior home and garden scheme, in-keeping with the contemporary outdoor design, but without the headache of replacing the fitting if it fails.

Of course, with the great British


With market values estimated at over £5 billion in the UK, home and garden lovers are set to embrace cost efficient, durable and long life LED outdoor luminaires.

With market values estimated at over £5 billion in the UK, home and garden lovers are set to embrace cost efficient, durable and long-life LED outdoor luminaires. The chip-based light source offers an ideal alternative to earlier forms of lighting which were driven by halogen and fluorescent lamps.

LED has opened up a brand new era of outdoor home and garden lighting that's accessible to all. For instance, where conventional lights would often work poorly because of low temperature, LED thrives in these conditions. Couple this with a major reduction in running costs and you have a formula for a new age of exterior lighting.

Wall washers are a good option for outdoor areas as they highlight any surface textures bringing to life the stone, wood or gravel normally found in exterior spaces.

weather, lighting for the garden needs to be weatherproof and robust and must be rated IP54 to IP65 as standard. Look for products with features such as die-cast aluminium and stainless steel bodies as well as tough polycarbonate casings and diffusers where applicable.

Integral LED has identified an emerging market of proud householders that wish to enjoy their open spaces throughout the summer season and effectively bring the outdoors inside. In response to this, their new product range offers inspiration for designers and homeowners looking to embrace the outdoors. 

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Images courtesy of Integral LED.





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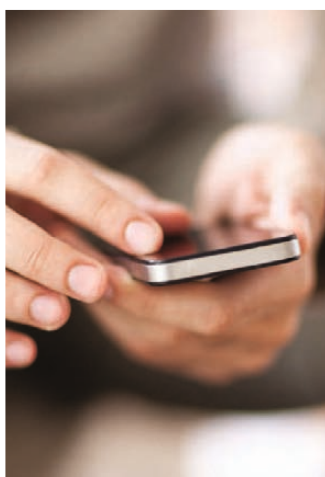
Control solutions – the 'Smarter' option.

Hamilton's out-of-the-box, plug-and-play Smart Lighting Control system is easy to install and comes with pre-programmed plates so all that is needed is to wire up the system.

Once installed, the homeowner can create and recall lighting scenes from anywhere in the home using a wall-mounted control plate, or remotely with the Hamilton iPhone/Android app.








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ELP — MiniTS and MiniTF LED Projector Luminaires

Aesthetically neat
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MiniTF - TwinFlood High intensity wide angle floodlight*

Typical: MiniTF ceiling mounted at 2.5m can be spaced 10metres apart to achieve 0.5Lux in an open area.

MiniTS - TwinSpot

High intensity narrow beam angle spotlight*

Typical: MiniTS ceiling mounted at 2.5m can be spaced 14metres apart to achieve 1Lux on a corridor centre line.

More suitable for areas with aesthetic concerns than conventional Twin Projector floodlights, the Mini Range of high intensity LED projector luminaires are supplied with maintained operation as standard and provide a simple and effective emergency solution in applications requiring open area and escape illumination.

Offered with the choice of a clever adjustable narrow beam (MiniTS), or a general wide beam (MiniTF), the versatile Mini Range can be easily integrated into most modern lighting schemes. For example: MiniTS mounted within 2m of Exit signs, call points or first aid points can be aimed to provide 5Lux.

The compact polycarbonate housing can be ceiling or wall mounted, and the easily rotated projector heads provide over 110lumens per head from high quality 2W white LEDs.

A self-contained circuit provides charge healthy monitoring for the Nickel Metal Hydride batteries and the luminaires fully comply with the requirements of EN60598.2.22

*Full photometry (.LDT file) is available for both lenses.

- Attractive compact design
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- Fully compliant to EN60598.2.22

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