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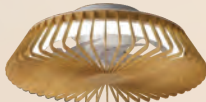
HIMALAYA MINI



M8196
White



M8197
Black



M8198
Wood Effect

70W LED Dimmable Ceiling Light
Integrated 30W DC Fan
2700K-5000K Tuneable White
4900lm System Flux
Remote Control

OCEAN



M8235
White/Wood



M8236
Black/Wood

60W LED Dimmable Ceiling Light
Integrated 35W DC Fan
2700K-5000K Tuneable White
4200lm System Flux
Remote Control

ALOHA



M8233
White



M8234
Wood

45W LED Dimmable Ceiling Light
Integrated 30W DC Fan
2700K-5000K Tuneable White
3500lm System Flux
Remote Control

POLYNESIA NATURAL



M8229
Beige/Oscu

70W LED Dimmable Ceiling Light
Integrated 35W DC Fan
2700K-5000K Tuneable White
4200lm System Flux
Remote Control

COIN AIR MINI



M8219
White



M7810
Beige/Rattan

70W LED Dimmable Ceiling Light
Integrated 35W DC Fan
2700K-5000K Tuneable White
4200lm System Flux
Remote Control

POLYNESIA NATURAL MINI



M8230
Beige/Oscu

55W LED Dimmable Ceiling Light
Integrated 25W DC Fan
2700K-5000K Tuneable White
3800lm System Flux
Remote Control



M8220
Wood Effect



M8221
Black

45W LED Dimmable Ceiling Light
Integrated 25W DC Fan
2700K-5000K Tuneable White
2500lm System Flux
Remote Control

INDONESIA MINI



M8225
Beige/Rattan

55W LED Dimmable Ceiling Light
Integrated 25W DC Fan
2700K-5000K Tuneable White
3800lm System Flux
Remote Control

POLYNESIA NAUTICA MINI



M8228
Beige/Oscu

55W LED Dimmable Ceiling Light
Integrated 25W DC Fan
2700K-5000K Tuneable White
3800lm System Flux
Remote Control

POLYNESIA NAUTICA



M8227
Beige/Oscu

70W LED Dimmable Ceiling Light
Integrated 35W DC Fan
2700K-5000K Tuneable White
4200lm System Flux
Remote Control

TURBO



M8231
White



M8232
Black

55W LED Dimmable Ceiling Light
Integrated 30W DC Fan
2700K-5000K Tuneable White
4100lm System Flux
Remote Control

mantra

ventilación

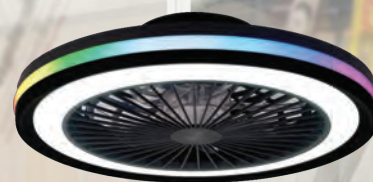
NEW FOR 2023



M8292
White

GAMER

40W RGB LED Dimmable Ceiling Light
Integrated 20W DC Fan
3000K-6500K Tuneable White
3000lm System Flux
Remote Control / App Control



M8291
Black

M8218
Black

COIN AIR

60W LED Dimmable Ceiling Light
Integrated 30W DC Fan
2700K-5000K Tuneable White
3300lm System Flux
Remote Control

M8216
White

M8217
Wood Effect

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JUNE 2023

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Lumineux
group



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Get all the essential data for specifying
cables for lighting



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Front cover image courtesy of
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Supplied by Michael Grubb Studio.

MESSAGE FROM THE EDITOR

Welcome to the June 2023 issue of A1 Lighting



We begin this jam-packed issue by exploring the role of lighting in museums and galleries. In our Museum Lighting feature, a range of experts give us their top tips for lighting these types of spaces alongside some inspiring case studies.

In celebration of the festival season, we take a look at a range of stage lighting where the lighting has added drama and effect to a range of live performances and entertainment venues in our Stage Lighting feature.

With warmer days and longer evenings finally here, many of us will find ourselves spending more time outside in the garden. But why should our private garden spaces only be used in the summer months? In our Garden Lighting feature, we find out about some of the best products and techniques for lighting residential gardens to enjoy all year round.

"In our Garden Lighting feature, we find out about some of the best products and techniques for lighting residential gardens to enjoy all year round."

In this interesting two-page contributor article, Simon Fisher, Founder and Director of F Mark Ltd and Partner of The Regen Initiative, discusses how the lighting industry can overcome the common challenges of remanufacturing to make the most of the important benefits.

This month's front cover gives you a sneak peek of the bespoke lighting scheme designed by Michael Grubb Studio for The Collective at Woolsery in North Devon. Home to various community-driven ventures, it was key that the lighting design was applicable for each of the different settings. Read all projects from page 46.

Concluding this issue, David Hunt, Managing Director of Glamox Luxonic, part of the Glamox Group of lighting companies, tells us about the main benefits of human centric lighting (HCL) in commercial buildings.

Did you know you can subscribe to receive a FREE copy of A1 Lighting magazine by post or email? Visit www.a1lightingmagazine.com/subscribe/ today for more information.

Until the next issue, stay safe and keep well.

Abbie Rossington
Editor

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APPOINTMENTS



IronmongeryDirect and ElectricalDirect have announced the appointment of Marcus Allen as their new Financial Director.



Recolight is pleased to announce the promotion of Cindi Novell to the role of Operations and Compliance Manager.



3LR Design has appointed Lawrence Ware as Design Associate and Ziggy Jacobs, Amy D Lux and Karoliina Helin as Consultants.

L-R: Lawrence Ware, Ziggy Jacobs, Amy D Lux, Karoliina Helin.



Ansell Lighting has appointed Allan Frederiksen as Head of Sales for the Nordics region.



Koy Neminathan joins Elation Professional as new Director of Business Development.



GLP US appoints Russell Brown as Sales Manager.

AURORA'S COMMERCIAL DIRECTOR INDUCTED AS A LIGHTMONGER

Aurora Lighting's Commercial Director, Matt Burton, has added a new credential to his lighting industry CV, having become a Freeman in The Worshipful Company of Lightmongers.

The Worshipful Company of Lightmongers is a modern Livery company, representing all disciplines of the lighting and electrical industry. Members span sectors including manufacturing, electrical contracts, lighting designers and architects. To become a Lightmonger, individuals must be invited and sponsored by existing members. This can only take place at a time when there are spaces within the company's capacity, which is currently 240 members.

Having worked in the lighting and electrical industry since leaving school, Matt was an ideal representative to be nominated to join the Lightmongers. With a career that began as a warehouse operator, before moving on to sales, marketing and commercial leadership roles, Matt brings a wide range of industry experience and expertise. Matt's invitation was also based on his demonstrable care for lighting and the industry, as well as his desire to get more involved in driving the sector forward.

Speaking of his membership, Matt said: "By joining the Lightmongers, I'm looking forward to connecting with other members of the lighting sector, contributing with fresh ideas and joining forces to support some important and life changing causes."



Image courtesy of Aurora Lighting.

A NEW ACHIEVEMENT FOR PROLIGHTS: ISO 14001:2015 CERTIFICATION

Music & Lights, the brand owner of PROLIGHTS, has received the ISO 14001:2015 certification for "Environmental Management Systems". This achievement confirms the commitment of the company to the research of new eco-friendly technical innovation.

Music & Lights has been consistently oriented towards a more eco-sustainable production. The 2021 Best Performance Award of Bocconi University (sixth place in the 2023 FT Global MBA Ranking) has declared the company's excellence on a national level according to the criteria of performance, innovation and eco-sustainability.

Music & Lights has directed its technological offer towards a sustainable upgrade of the productive processes. With PROLIGHTS, the company's commitment is to develop and promote on a worldwide scale high-efficiency and eco-friendly lighting technologies.

Moreover, the company has made available for the staff a recreation room and a large green area with a farm and an organic vegetable garden. Additional evidence of the eco-oriented vision, encouraging all company stakeholders to join a more sustainable lifestyle, not only during productive processes but also in wellness areas.

"Our work is focused on innovation, human resources and sustainability," Franco Sorabella, Founder and CEO of Music & Lights, stated, "ISO 14001:2015 certification is for us a new starting point towards an optimisation program of all our production processes: a commitment to developing an innovative company culture. We'll continue to work with determination and perseverance to reduce our environmental impact significantly and to develop innovative fixtures that combine high-performance and eco-sustainability."



Image courtesy of PROLIGHTS.

LIGHTING RETHINK WITH RECOLIGHT

CIRCULAR LIGHTING LIVE – 21ST SEPTEMBER 2023



Images courtesy of Recolight.

The provisional programme for this September's Circular Lighting Live 2023 conference and exhibition has been unveiled by the organisers Recolight.

The event, which takes place on Thursday 21st September 2023 at the Royal College of Physicians in London, will feature two separate tracks for the first time, one focused on manufacturers and another focused on specifiers.

Circular Lighting Live 2022 was a sell out success, hailed by one delegate as "The best conference on sustainability I've ever attended".

The programme for 2023 has been curated using feedback from Recolight events held over the last 12 months. Delegates shared the challenges they are facing, and the topics they need to understand more in their drive to a more sustainable business model. It is tailored for the evolving needs of lighting industry, manufacturers, suppliers, specifiers, and end users.

Topics to be covered include discussions of key specifications for circularity, embedded carbon, and lifecycle assessments, along with best practice case studies, and end user and specifier panels on the steps they expect lighting producers to take.

Visit www.circularlighting.live to book your place. A limited number of tickets are available free of charge to Lighting Designers, and discounted tickets are available to Recolight WEEE scheme member companies. All corporate exhibitor space has been allocated, but some sponsorship options remain.

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ROBE LIGHTING S.R.O. ACQUIRES AVOLITES

Robe Lighting has agreed to acquire Avolites, leaders in the design and manufacture of lighting and video control products.

"This is a great acquisition for Robe," stated Josef Valchar, CEO of Robe lighting s.r.o, "Avolites has always been at the pinnacle of lighting control with products that complement our lighting fixtures; this will add significant value to sales made throughout the global distribution networks of both companies."

The acquisition of the Avolites business is an important part of Robe's strategic future growth plan. Avolites will remain based in the UK and will continue under the existing leadership team.

"The Avolites leadership team wanted to ensure the best outcome for our employees, customers, suppliers and the brand," commented Avolites MD Paul Wong, "Robe is an ideal home that will enable us to achieve just that, whilst maintaining our core values. Robe is a great fit for everyone associated with Avolites."

Robe has a wealth of resources that will assist Avolites to accelerate its ambitious innovation and product development programs.

ERCO AND ZAHA HADID ARCHITECTS AT CLERKENWELL DESIGN WEEK

Image: © Zaha Hadid Architects.

Last month ERCO Lighting and Zaha Hadid Architects announced a collaborative event between the two renowned design brands exclusively for Clerkenwell Design Week. The event ran



from 23rd - 25th May 2023, as a special exhibition which featured responsive lighting design with a bespoke material showcase and a series of inspiring talks from leading industry experts.

This collaborative event showcased the Zaha Hadid Architects and ERCO lighting approach to design within the Zaha Hadid Architects Gallery on Goswell Road - which has recently been illuminated by ERCO.

Part of the collab was an evening event on Tuesday 23rd May, entitled Responsive Design for a Sustainable Future. The evening was dedicated to exploring the future of design, sustainability, and human centric technology, within the workspace. This was a panel discussion with Jim Ashley-Down, Managing Director of ERCO UK & Ireland, Ulrich Blum, Senior Associate at Zaha Hadid Architects, Paul Traynor, Head of Light Bureau UK and Imogen Privett, Associate Director and Workplace Innovation at UnWork.

Additionally, the two brands hosted a lunchtime talk on Thursday 25th May, Illuminating Desire: Lighting for Retail & Exhibition Design. The talk was chaired by ZHA's Head of Interior Architecture, Kar Hwa-Ho, alongside Jim Ashley-Down, Managing Director of ERCO Lighting UK & Ireland, Gerardo Olvera, Design Director of Light.IQ and Giulio Antonutto, Associate Director at Arup.

NEWS & BUSINESS

DO YOU HAVE AN INDUSTRY EVENT COMING UP?

JUNE 2023

guangzhou international lighting exhibition

Guangzhou International Lighting Exhibition (GILE)
9th – 12th June 2023

China Import & Export Fair Complex,
Guangzhou, China

Forming part of the Light + Building portfolio of trade fairs, the next edition of Guangzhou International Lighting Exhibition (GILE) will be held from 9th – 12th June 2023. This year's fair will revolve around the concept of "Light +", promoting exchanges between different industries that help drive innovation within the lighting sector.

www.guangzhou-international-lighting-exhibition.hk.messefrankfurt.com #GILE2023

SEPTEMBER 2023

PLASA SHOW

PLASA Show
3rd – 5th September 2023

Olympia London, UK

PLASA Show is the UK's international trade event for live entertainment technology. The international show attracts thousands of industry professionals for three productive days of cutting-edge technology and forward-thinking content. It's the perfect place to source new suppliers, build business connections and soak up inspiration.

www.plasashow.com @plasashow
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SEPTEMBER 2023

AUTUMNFAIR

3-6 SEPTEMBER 2023 | NEC BIRMINGHAM

Autumn Fair

3rd – 6th September 2023

NEC Birmingham, UK

Autumn Fair is the UK's most vibrant marketplace for wholesale home, gift and fashion. It is where bestsellers are found, relationships are forged, and curiosity is piqued. If you want to touch, feel, and experience what's new and innovative across the home, gift and fashion retail industry, Autumn Fair is the marketplace for you. Connect @ Autumn Fair is the new meetings programme at Autumn Fair, designed to help you find the products you need, quickly and easily.

www.autumnfair.com @SpringAutFair
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SEPTEMBER 2023



Circular Lighting Live
21st September 2023

Royal College of Physicians, London, UK

Circular Lighting Live is the UK's first and largest event dedicated to sustainable lighting.

The conference and exhibition, which was an instant success on its launch in 2022, brings the lighting industry together to consider how we become part of the circular economy. The one-day event is organised by Recolight, supported by LightingEurope and Defra and chaired by Circular Lighting Report editor Ray Molony.

www.circularlighting.live @Recolight
#CircularLightingLive23



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OCTOBER 2023

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8-11 OCTOBER 2023 | OLYMPIA LONDON

Decorex

8th - 11th October 2023

Olympia London, UK

Decorex is back for 2023, taking place from 8th - 11th October 2023 at Olympia London. An avenue for interior design discovery, the event creates unparalleled opportunities for industry professionals to connect, source the finest products and gain inspiration. With 200+ brands exhibiting, there is a huge range of hand-picked collections to discover; from fabrics to furniture, lighting to wallcoverings, decorative accessories to rugs, there's something new and unique to be found each year at Decorex.

www.decorex.com @Decorex_Intl

#decorex2023

OCTOBER 2023



Smart Buildings Show

18th - 19th October 2023

ExCeL London, UK

An industry flagship event, Smart Buildings Show conference and exhibition remains free to attend and will this year take place from 18th - 19th October 2023 at ExCeL London. As well as an exhibition hall packed with the latest innovative products and solutions, the event will include a conference programme full of industry leaders delivering thought-provoking content on some of the latest trends and opportunities in the sector.

www.smartbuildingsshow.com @smart_build

#SmartBuildingsShow

OCTOBER 2023



HKTC Hong Kong International Lighting Fair (Autumn Edition)

27th - 30th October 2023

Hong Kong Convention & Exhibition Centre, Hong Kong, China

The 25th HKTC Hong Kong International Lighting Fair (Autumn Edition) is staged concurrently with the HKTC Hong Kong International Outdoor and Tech Light Expo (26th - 29th October 2023), this world-class lighting marketplace offers bright business opportunities to exhibitors, connect with buyers, establish new partnerships, and learn about the latest product innovations.

www.hktc.com/event/hklightingfairae/

#HKTC

NOVEMBER 2023



Hospitality Interiors Experience (HIX)

16th - 17th November 2023

Business Design Centre, London, UK

HIX is an annual exhibition for the hotel and hospitality supply chain. The event brings together the entire design and interiors supply chain, including bathroom, fabrics, FF&E, furniture, lighting, objects, outdoor, wellness, surfaces, technology and more, with the interior designers, architects, specifiers, hotel operators, procurement and developers involved in bringing the guest experience to life.

www.hixevent.com @HIXevent

#HIXEVENT

JUNE - NOVEMBER 2023
DATES FOR YOUR DIARY

Please check the event's website for the latest updates on dates, location, and registration.

Mastering Museum Lighting

Matthew Cobham, Global Cluster Manager, Culture at ERCO Lighting Ltd

What role does lighting play in museums and galleries? A range of experts give us their top tips for lighting these types of spaces alongside some success stories.

"Light renders art visible in galleries. The type of lighting influences how we interpret art. Artists and gallery owners have individual concepts of how art should be appropriately displayed by light. Gallery lighting helps the owners of galleries to make art and artists accessible to the public, to come into contact with interested parties and to sell their art.

One of the most common concepts for lighting commercial art galleries consists of the use of uniform wallwashing with a special optic that illuminates the gallery space via reflection from the walls. This homogeneous lighting approach is suitable for large-format artworks, group exhibitions, competition exhibitions as well as hard, abstract art. This type of lighting treats listed architecture on an equal footing with the work of art. The atmospheric wallwashing enhances the feeling of space and height, emphasises the architectural features and provides orientation in the room.

Another approach is to use minimal accentuation to set the artworks apart from their illuminated surroundings. Directional light emphasises the central works in a gallery and directs the viewers' gaze to guide them through the exhibition. The subtle nuancing can be further enhanced by visual contrasts such as different wallwashing and spotlighting colour temperatures or a modified brightness ratio. Larger differences create more contrast.

Both concepts were applied in the lighting design of the Xavier Hufkens Gallery in Brussels, Belgium. With exhibition spaces on five levels, the biggest challenge was to find the right balance between natural and artificial light for the different spaces and exhibitions. Eclipse InTrack wallwashers and track-mounted spotlights from ERCO combine uniform general lighting in all spaces with focused accent lighting for the works of art. Uniform

wallwashing creates a good impression of brightness with a high level of visual comfort for gallery visitors, whilst selectively placed light accents on the individual artworks to present them optimally."

ERCO Lighting Ltd
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www.erco.com. Photography:
Thomas Mayer.





Jason Larcombe,
Senior Project
Manager at
White Light

Images courtesy of White Light. Top image photo credit: Woodfroffe Bassett Design. Bottom image photo credit: Matt Chung Photography.

"The use of lighting in this sector has changed dramatically in recent years. We've seen a shift from focusing purely on illuminating exhibits, to using a range of techniques to bring spaces and displays to life. With over 50 years of experience in theatre lighting, we've been uniquely placed to help heritage organisations achieve this by using lighting effects to create immersive theatrical experiences.

This has arisen from a need for many museums and galleries to leverage commercial hire opportunities for additional income. Therefore, having an installed lighting solution that enables the enhancement of public spaces by day and transformation by night at the push of a button, using atmospheric lighting, is beneficial.

The advent of LED has also contributed, reducing some of the past limitations due to risk of damage to valuable exhibits caused by light levels, ultraviolet radiation or heat generation. This has facilitated adoption of a wider range of lighting levels, effects, and the potential to transform these spaces.

Many heritage organisations are restricted by capital funds available for reinvestment. So, utilising lighting equipment that you'd traditionally find in theatres, that has a range of features including wireless and full-colour control, has proven beneficial. This serves a dual purpose – it's appropriate for day-to-day exhibitions and also unlocks

the potential to transform galleries by night for a range of events. It's cost-effective in investment terms too, as venues can purchase the hardware without having to make major infrastructural changes.

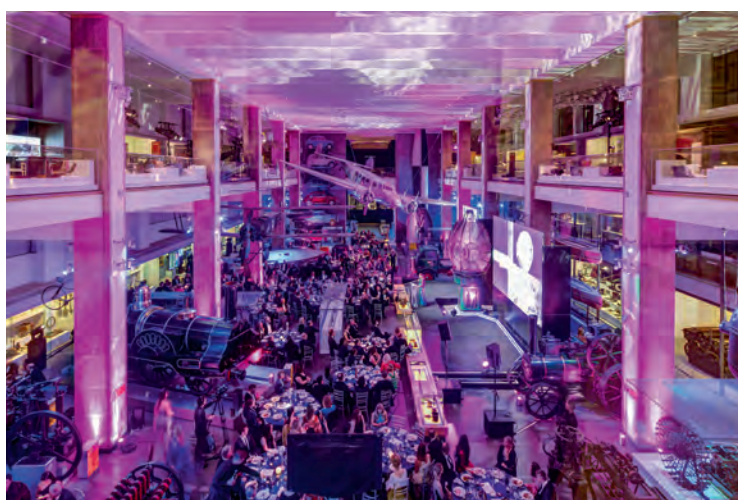
The ability to control spaces is also extremely important, allowing for customisation for different stakeholders. Many new systems can integrate with a range of apps that are easily controllable via tablets and other devices. Equally there are newer technologies such as Bluetooth that also enable this.

Retrofitting onto existing track lighting and having ultimate control over every single fixture has really elevated the proposition for lighting designs. Having these capabilities in-house, gives external designers much more creative scope to evoke the desired drama and atmosphere.

Today, museums are in competition with themed entertainment attractions.

Ultimately, museums should harness opportunities for AV to add an immersive layer to public experiences, enhancing storytelling. These days, everything is a pixel, so this further unlocks ways in which creative content can be revealed, combining lighting with other techniques such as immersive projection. This can still be done sympathetically to sensitive subject matter but will add a dramatic element that will only heighten its impact."

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Jonathan Howard,
Director at
DHA Designs

“When creating the concept for museum lighting design there are many considerations: we have to be mindful to set the correct colour temperature and light levels to highlight artefacts enhancing the textures and colours, but we also have to create a comfortable ambience for visitors.

While artefacts must be highlighted, it is essential to use light sources that do not cause damage to the artefacts or reflect on showcases and displays, creating glare for visitors. This can be achieved through crafting lighting layers combining accent and ambient lighting so that we highlight what is needed without obstructing other views.

The aim is to create an atmosphere within the museum for visitors to enjoy and which is conducive to learning. As museums are now very much visual experiences, DHA Designs creates lighting to reflect the context of the exhibitions. An example of this is the lighting design created for the Animals: Art, Science and Sound exhibition at The British Library in London. The exhibition was split into four distinct sections: Dark, Water, Land and Air, and atmospheric

lighting was used to immerse the visitor. The Water zone was uplit in shades of blue, green and aqua, whereas Air used sunset coloured to voile drops, with ceiling fans to create ripples of light.

For the Hunterian Museum at the Royal College of Surgeons of England in London, the lighting design revealed the complexity of the vast number of exhibits, documents, paintings and surgery tools, while protecting them for future generations. The colour temperature of the lighting in the latter parts of the exhibition was changed, with the earlier, historic parts of the scheme lit in a warmer light and the modern surgical areas lit in a cooler, whiter tone. As part of the Oman Across Ages Museum in Oman, lighting created a sense of place. Animated lighting allowed the space to follow a day-to-night sequence that amplified the rugged landscape and revealed the space as natural light does, creating shadow and highlight as the day changes.”

DHA Designs
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www.dhadesigns.com



Images courtesy of OAAM.



INNOVATION IN EDUCATION LIGHTING

School, Academy, College and University projects have always been an important part of the Dextra Lighting project portfolio, lighting areas in a creative & efficient way to enthuse both students and staff.

Dextra Lighting succeeds in bringing value both in terms of product and energy use, quick lead times and the flexibility to work within defined holiday periods.



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MOSS BURY PRIMARY SCHOOL



MORLEY MEADOW PRIMARY

Image courtesy of Stoane Lighting. Lighting designer on the project: Roundlight Ltd.



Ali Kay,
Director, Head of
Development at
Stoane Lighting

"The focus for museum and gallery lighting has been on the exhibit quality of lighting. Quality is a function of the light sources used, with best colour rendering, colour consistency and durability key indicators of high quality light sources. Other components used also have a clear impact on the quality of the results, luminaires with beam options, customisability and large selections of accessories offer flexibility to give the exhibition designer the tools to light their exhibits well.

Great lighting can be transformational in museums and galleries; artwork can appear more vivid, previously hidden details appear, spaces can feel more inviting, interactive, or more dramatic. Through the use of connected technology, lighting can be used to monitor lux hour exposure of sensitive artworks, to enhance the visitor experience, or to provide location-based services.

The quality and durability of the luminaire also comes into the equation. Luminaires for this market are very often track mounted, handled a lot, and so a long service life is crucial. It should be the manufacturers responsibility to work with museums and galleries through the lifetime of the products in service.

At The Holburne Museum in Bath, Stoane Lighting's ReNew service recently completed LED based remanufacturing of 300 luminaires on site. This was possible due to the repairable and robust construction of the original Stoane Lighting halogen luminaires.

The museum and gallery sector face a challenge in modernising their luminaires to deal with halogen lamp restrictions, they have options to replace with new or look at local LED based remanufacturing of their existing luminaires. The Holburne Museum were able to reduce the carbon impact by remanufacturing rather than buying new, to reduce their operational energy consumption, benefit from a product warranty re-set, see improvements in lighting quality and whilst closing for only one day. The use of sustainability metrics and calculations allowed these benefits to be quantified.

Luminaire and light quality remains paramount, but museums and galleries now have opportunities to take a different approach, to keep luminaires in use for longer and to lower their environmental impacts in doing so."

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**Stefania
Bianchini,** Head
of Technical Office
at formalighting
Milan HQ


"As specialists in museum and gallery lighting, formalighting provide a wide range of solutions to highlight exhibitions, showcases and displays. Lighting becomes part of the exhibition, telling the visitor a story, guiding them around a space, and drawing the eye to artefacts.

La Biblioteca Marciana di Venezia is one of the oldest and most important libraries in the world, home to many Italian masterpieces of artwork and extraordinary globes and maps. formalighting's architectural lighting products were specified for the La Biblioteca Marciana di Venezia project by Lighting Designer Romano Baratta Lighting Studio. The aim of the lighting design was to encourage visitors to explore what is present in the displays while evoking emotions and sensations through the atmosphere and design of the space.

This project has reshaped museum lighting by not only highlighting the displays, but also illuminating the history embedded in its architecture. A carefully crafted lighting design brings together the lighting of the exhibition and the enhancement of the pieces, along with enhancing the overall atmosphere and experience for visitors.

One of the greatest challenges in museum lighting is to avoid shadows and reflections on the art and display cases, with lighting blending seamlessly into the design while also drawing attention to what it needs to.

The formalighting fixtures used in this project were the Zero 66, Zero Framing Projector and Microline 7x7, controlled by Casambi Technologies with an integrated motion sensor which triggers the changing light scene.

Through the automated system of visual scenarios and perspective guidance through the light itself, visitors can discover and admire the 16th century architecture through targeted focuses, before diving into the masterpieces. The new lighting has made it possible to grasp the colour and contrast of the pieces, with the artwork not seen in this way before the new lighting made it possible." 

formalighting
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Image courtesy of Romano Baratta Lighting Studio.



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Photo credit: Gavril Papadiotis & Christine Iakovidou

Collected Light Milan Exhibition 2023

Cascina Cuccagna - formalighting's Demo Room featuring the high performance Zero Framing Projector 85 & Zero Framing Projector 38.

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Show-stopping *Lighting*

A1 Lighting takes a look at a range of stage lighting case studies where the lighting has added drama and effect to an entertainment venue, theatre production, music concert, or other live performance.

GLP

TINA, The Tina Turner Musical
Sydney, Australia

The latest production of **TINA, The Tina Turner Musical** in Australia, is the first show worldwide to feature GLP's new impression X5 IP Bar.

Designed by Bruno Poet since the original production in 2018, the show is playing in a number of cities around the world, but only in Sydney has GLP's staple impression X4 Bar been replaced by the new impression X5 IP batten. Neg Earth Lights supplied the first 24 of these after the rental company's project manager, Lindsey Markham, had suggested them to Bruno and the show's international associate LD (and co-collaborator), Max Narula.

The production at Sydney's Theatre Royal is the ninth version of the show, which is also running in London, Stuttgart and on tour in the US, and is now serving as a tribute to the Queen of Rock'n'Roll following her sad death.

"Traditionally, we have used X4 Bar 20s, but when we were looking last August there was no available kit in Australia, so we were asked to reach out to companies in the UK,"

explained Max Narula on adopting the new fixtures. "We've worked with Neg Earth Lights on arena shows previously and since they no longer wished to invest in further X4 Bars, Lindsey instead suggested trying the impression X5 IP Bar, which we didn't know existed."

The new firmware ensured complete compatibility with the X4 colour palette and enables precise programming on the 18 individual pixels. Max said, "We are very picky with the colours in theatre because we have time to tweak and fine tune over the show's four-week technical rehearsals – and this includes the new lime chip.

You can take your X4 shows and transfer them onto X5 and it gives you individual pixel control on RGBL as well as RGB which is brilliant. They are absolutely fantastic: they are bright and the colours are outstanding, with wonderful saturates. In addition, they are silent which was vitally important as a lot of the scenes in the show are incredibly quiet."

The compactness of the unit

is another great asset for this production given the way the truss is designed. The 24 impression X5 IP Bars in use form an integral part of the show's design and handle "some big light curtain scenes" effortlessly.

Bruno Poet commented, "Since Max and the team did all the set-up in Australia, my first glimpse of the light curtains in action was when I arrived during cast dress rehearsals on stage. I was immediately blown away by the improvement over the original X4 Bars. The additional intensity made the light curtain look bolder and crisper, giving us a better balance against the video images behind. I was also really impressed by the quality of the colour we could achieve with the new lime chip."

Max concluded: "GLP have shown us how to design [shows] using light curtains. I must say, it's fun to be the first show in the world to use these new fixtures."

GLP

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www.glp.de/en/

Photo credit: Daniel Boud.



"I wanted something that was really punchy and could fill a lot of space, while keeping the design simple and fixture count down, and I knew the VL3600s could deliver."

Luke Elrod, Lighting Director, Luke Elrod Designs.

Vari-Lite

Brett Young's Five, TOUR, Three, Two, One Tour
USA & Canada

Images ©Braden Carney -
Red Media.

American country singer Brett Young's Five, TOUR, Three, Two, One Tour swept into LA's famous The Greek Theatre in May with an upbeat, colourful lighting design by Luke Elrod. During the show, he enveloped the audience in starry gobo-effects and bright, rich colours using Vari-Lite VL3600 Profile IP fixtures from Signify.

Luke, who runs Luke Elrod Designs from his base in Nashville, Tennessee, has been Brett Young's tour Lighting Director since mid-2022. The current tour visits a wide range of venue sizes as well as festivals, meaning Luke required an IP-rated fixture capable of producing bright colours and effects using the full 28-strong VL3600 rig or a scaled down version.

"I'd heard many great things about the VL3600s and they checked off all of the boxes for the design," said Luke. "I wanted something that was really punchy and could fill a lot

of space, while keeping the design simple and fixture count down, and I knew the VL3600s could deliver. Fresh looks and changing effects were key to my design, and the VL3600s made it possible. Everything from their gobos to their tight beamy looks really make them usable for tons of different moments, all from one fixture type."

Luke and his team rigged the majority of the VL3600, which were supplied by PRG, up in the air on a US truss, and an MS Truss. A selection of the VL3600s were positioned behind the band with further VL3600 luminaires used as side light.

As the tour is visiting festivals through the summer season and playing outdoor venues such as The Greek, it was important to Luke to use an IP-rated fixture. "I always prefer to have as many fixtures be IP rated as possible," Luke said. "It takes away all of the stress on those days when we

know it's going to rain and is one less thing we have to worry about casing up."

Luke used Depence to pre-visualise most of the show, and reports that by the time rehearsals began there was very little to change. "The VL3600s were very easy to program," he says. "I found them to be a very user-friendly fixture that delivers massive looks. Touring with them has been very easy and most of them live in GT truss so we don't ever have to touch them. The sidelights live on some racks for transport and those fixtures get set out every day. Overall, I'm very pleased with the VL3600s and will definitely specify them on any other shows I am able to."

Vari-Lite
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Robe

Eurovision Song Contest 2023
Liverpool Arena, UK

Award-winning lighting designer Tim Routledge and a hugely talented team of creatives and technical specialists working across multiple disciplines, helped to deliver a dazzling, slick and streamlined 2023 Eurovision Song Contest event at Liverpool Arena in the UK on 13th May 2023.

As the 2022 runner-up, the UK hosted the 67th Eurovision Song Contest on behalf of Ukraine due to the ongoing war with Russia.

Tim utilised over 600 Robe moving lights for his design which comprised of approximately 2,500 luminaires plus two kilometres of LED tape, clocking up 17,500 individual light sources when counting the individual pixel cells of the various fixtures, all supplied via lighting equipment contractor, Neg Earth Lights.

Working on his first Eurovision Song Contest, Tim collaborated closely with set designer Julio Himede amongst others. Tim and his team created 37 unique immersive lighting environments to showcase each delegation's songs, keeping each of these micro-shows animated, fluid and energised, curating lighting and video interactively and simultaneously.

This enabled the end-goal of offering the clean, precise shots from multiple angles that resonated with camera directors Nikki Parsons, Ollie Bartlett and Richard Valentine, and translated brilliantly on the TV broadcast.

The set effectively surrounded the performance space with video, so lighting placement was challenging and had to be facilitated where there was no encroachment, whilst maintaining the architecture of the space and creating all the right moods.

The results were a feat of synergy as much as technical excellence, in an infrastructure where lighting, video and scenic presentation worked seamlessly as one visual entity.

The lighting rig included a 15-way Robe RoboSpot remote follow system running with 15 out of the



The results were a feat of synergy as much as technical excellence, in an infrastructure where lighting, video and scenic presentation worked seamlessly as one visual entity.

66 Robe FORTES in the building. These were positioned all around the arena, offering the flexibility of picking up artists from any angle, eliminating shadows and ensuring faces looked perfect. The FORTE parameters could all be controlled via the FOH grandMA3 consoles, leaving the operators free to concentrate on following the artists.

Other Robe elements included 152 LEDBeam 150s, 84 PAINTES, 123 Spiiders, 190 TetraXs, 12 Robe BMFL Blades and 12 Robe PATT2013s, a fixture that Tim invented, and that he used on this occasion to light Latvia's performance.

Tim's FOH team included Ukrainian LD and programmer Zhenya Kostyra – a regular at Kyiv based rental company Alight – who worked as the overnight associate LD when on site, with James Scott as the overall lighting design associate. The three main programmers were Tom Young, Alex Mildenhall and Marc Nicholson.

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Images courtesy of EBU. Photographer: Sarah Louise Bennett.



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The Salt Shed
Chicago, USA

The Morton Salt complex in Chicago, USA had been in operation for nearly a century before it was closed down in 2015. Today, the complex has been transformed into a multi-purpose venue for live music and other events. Named The Salt Shed, the entertainment venue is spread over 1.5 acres of land along the Chicago riverfront and can accommodate around 3,300 people indoors and 5,000 people outdoors. Director of Production Tim Schoen at The Salt Shed was responsible for procuring all the necessary production elements for the venue, including lighting, rigging, audio, staging and other related equipment. He also oversaw the design of the stage, green room layouts, and docking area, among other aspects.

Tim selected locally-based Upstaging to handle the lighting for the venue due to their excellent reputation in the industry. Upstaging was involved in the project from the planning stages, playing a crucial role as systems integrators in ensuring that the lighting system was executed to the highest standard as well as providing the power and controls infrastructure.

Steve Wojda and Mike Creager of Upstaging visited the site in 2021 when construction of the new facility was just underway. Tim shared renderings of what the space would look like and asked Upstaging to come up with some lighting concepts. Various options for both the entertainment lighting and the architectural lighting elements were presented and refined over the course of a few months.

Steve worked on the project with Rob Ludwig from Elation Professional rep firm Five Lakes Marketing, who assisted with fixture choice and arranged for demo units. Tim, who was very familiar with Elation products from having worked in two previous venues with Elation rigs, said he took Steve and Rob's advice as far as fixture types. "With Steve and Rob's help we were able to put together a fantastic,

"Our motto from the start has been to make a world-class venue. We want to not only wow the audience, but also the LDs and A1s and everyone else who walks through the door."

Tim Schoen, Director of Production, The Salt Shed.




thoroughly filled out rig," said Tim.

The lighting rig consists of seven parallel sticks of truss. Over the 52-ft wide by 32-ft deep stage are four 46' trusses at 19-25-ft trim heights with an additional three trusses suspended in front of house. As The Salt Shed is a long narrow building, some of the lighting positions are up to 100ft from the stage. On a 20' FOH truss furthest from the stage, and working with a followspot system, are four 45,000-lumen strong Artiste Monet™ LED profile moving heads.

On FOH 2, 76ft from the stage, are four Proteus Lucius™, IP65-rated LED profile moving heads used for front lighting. An additional four Lucius fixtures work from FOH 3, about 20ft from the stage, with two additional units in the overhead rig and used for side light.

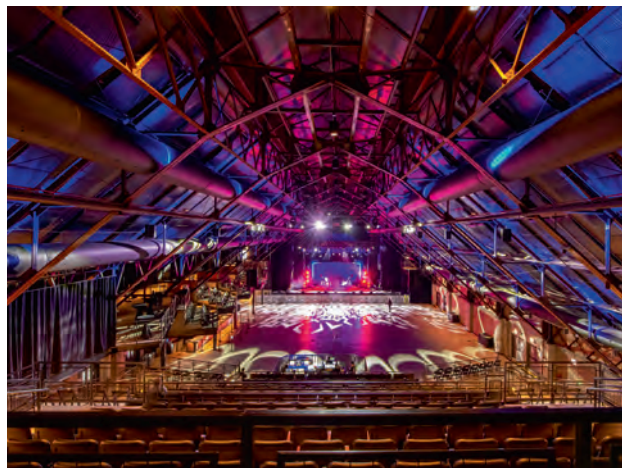
Spread across all four overhead stage trusses are 12 Fuze MAX Profile™ and 12 Fuze MAX Spot™ LED moving heads. They form the bulk of the overhead lighting system and work with 10 IP65-rated Proteus Rayzor 760™ LED wash effect units and a mid-rig cluster of 8 IP65 Fuze Par Z60 IP™ colour-changing PAR

lights with zoom. Providing high power, full colour strobe effects are 8 Protron 3K Color™ LED strobes with four IP65-rated DTW Blinder 700 IP™ as audience blinders.

Tim concluded: "Our motto from the start has been to make a world-class venue. We want to not only wow the audience, but also the LDs and A1s and everyone else who walks through the door." 

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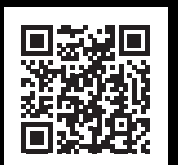


The three into one generic solution



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Association Catch-up

We chat to some of the lighting industry's key associations about current trends in the sector and find out what they have planned for the rest of 2023.

Nigel Harvey,
CEO of Recolight



"Recolight has been working with the lighting industry for several years to help drive a more sustainable, circular economy approach. At Recolight, we put sustainability at the heart of everything we do, that means more actions to support the lighting industry's transition to a more circular, low carbon economy.

At the Recolight Remanufacturing Conference in April, it was fantastic to witness over 70 lighting leaders really engaging in the challenges and opportunities that lighting remanufacturing now presents. The scene is now set for material growth in this sector, as more manufacturers get involved, and more end users demand reuse as an option.

We will launch Circular Place this summer, a tool to help reduce unnecessary recycling and promote a more circular outcome. This is a web-based service for companies willing to donate surplus lighting stock, or lighting products that could be reused. It connects with other companies and organisations that may be able to use those products.

Circular Lighting Live returns on 21st September in London. The agenda includes authoritative updates on UK and EU legislation, discussion of the key specifications, including those for circularity, embedded carbon, and lifecycle assessment, such as the CIBSE TM65 and TM66. We will also hear from end user panels on the steps they expect lighting producers to take.

A new series of workshops have been launched: Quantifying Sustainable Resilience for Lighting. They cover the latest guidelines,



standards, and legislation, with a strong focus on TM65, TM66, Life Cycle Assessments and associated metrics.

This summer, the Government will consult on major changes to the Waste Electrical and Electronic Equipment (WEEE) regulations. We will be working closely with Recolight Producer Members to ensure that changes will work well for the lighting industry. One of the changes is likely to be one that Recolight has been working towards for some time: to make online marketplaces responsible for the WEEE compliance of product sold via their platforms. Once this becomes law, the large scale WEEE avoidance that has so characterised product sold online should become a thing of the past – ensuring a level playing field for those producers that are already compliant."

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"We will launch Circular Place this summer, a tool to help reduce unnecessary recycling and promote a more circular outcome. This is a web-based service for companies willing to donate surplus lighting stock, or lighting products that could be reused."

Nigel Harvey, CEO, Recolight.



Images courtesy of Recolight.

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The need for this collaborative effort, often at speed, has been heightened by the numerous challenges presented by Brexit to our industry. The LIA has been required to take on a much more active role in conducting regulatory and legislative work for the UK. Before Brexit, most regulation was handled at EU level, and here the LIA benefited from sharing the workload with colleagues across Europe, with the LightingEurope Secretariat handling the lobbying and dialogue with the European Commission regarding lighting policies and regulations. However, with the UK's departure from the European Union, the LIA has quickly had to establish new channels of communication and navigate the complexities of engaging with the UK Government. This transition required the Association to build relationships with UK policymakers, adapt to new regulatory frameworks, and ensure that the unique needs of the UK lighting industry are adequately represented in the national policy discussions. Despite these challenges, the LIA has been committed to advocating

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Image courtesy of the LIA.

Ayça Donaghy, CEO, the LIA.

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Peter Heath, Managing Director of PLASA



“PLASA recently conducted an industry-wide international survey with #WeMakeEvents, looking into the challenges facing live events. Free to download via the PLASA website, the survey revealed the ongoing pressure points and hopes for the future.

Overall, live events have been on the up, with an increase in both turnover and demand. However, pandemic debt remains a reality throughout the supply chain. The most talked about topic is the widespread skills shortage. Simply put, there are not enough workers to fill roles. And as a result, work is being carried out by people who do not possess the right skills, are overworked, or both. This presents potential safety concerns, for crew, performers and the audience. In response to this, many organisations are working to minimise the ongoing impact of this situation.

Supply chain delays also continue to be a concern, particularly for manufacturers. Some point to Brexit, others to delays at international ports. Either way, confidence is still relatively low. Not only that, many companies are seeing huge increases in cost, with microchips doubling and more in price. The solution to this is seemingly to pass the cost onto the customer which is unfortunate considering the current cost of living crisis. Speaking of which,



rising living costs are also causing a drop in ticket sales and therefore a growing number of last-minute event cancellations, which is adding to the uncertainty felt across the industry.

The survey also revealed that larger numbers of freelancers are working from home, with a drop in touring and working abroad. We also know that finding work through word of mouth is more important than ever – which strengthens the position of trade shows and networking events.

PLASA uses information like this to guide its services and activities. And as we prepare for PLASA Show 2023 in London from 3rd – 5th September, we will craft a seminar programme that reflects these issues. Moreover, PLASA is actively listening to concerns around sustainability, using this theme as a core talking point for our Member Business Forum this autumn.”

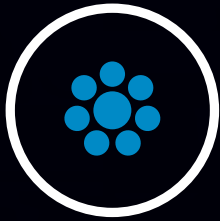
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Images courtesy of PLASA.



“PLASA recently conducted an industry-wide international survey with #WeMakeEvents, looking into the challenges facing live events. Free to download via the PLASA website, the survey revealed the ongoing pressure points and hopes for the future.”

Peter Heath, Managing Director, PLASA.



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TPS 5



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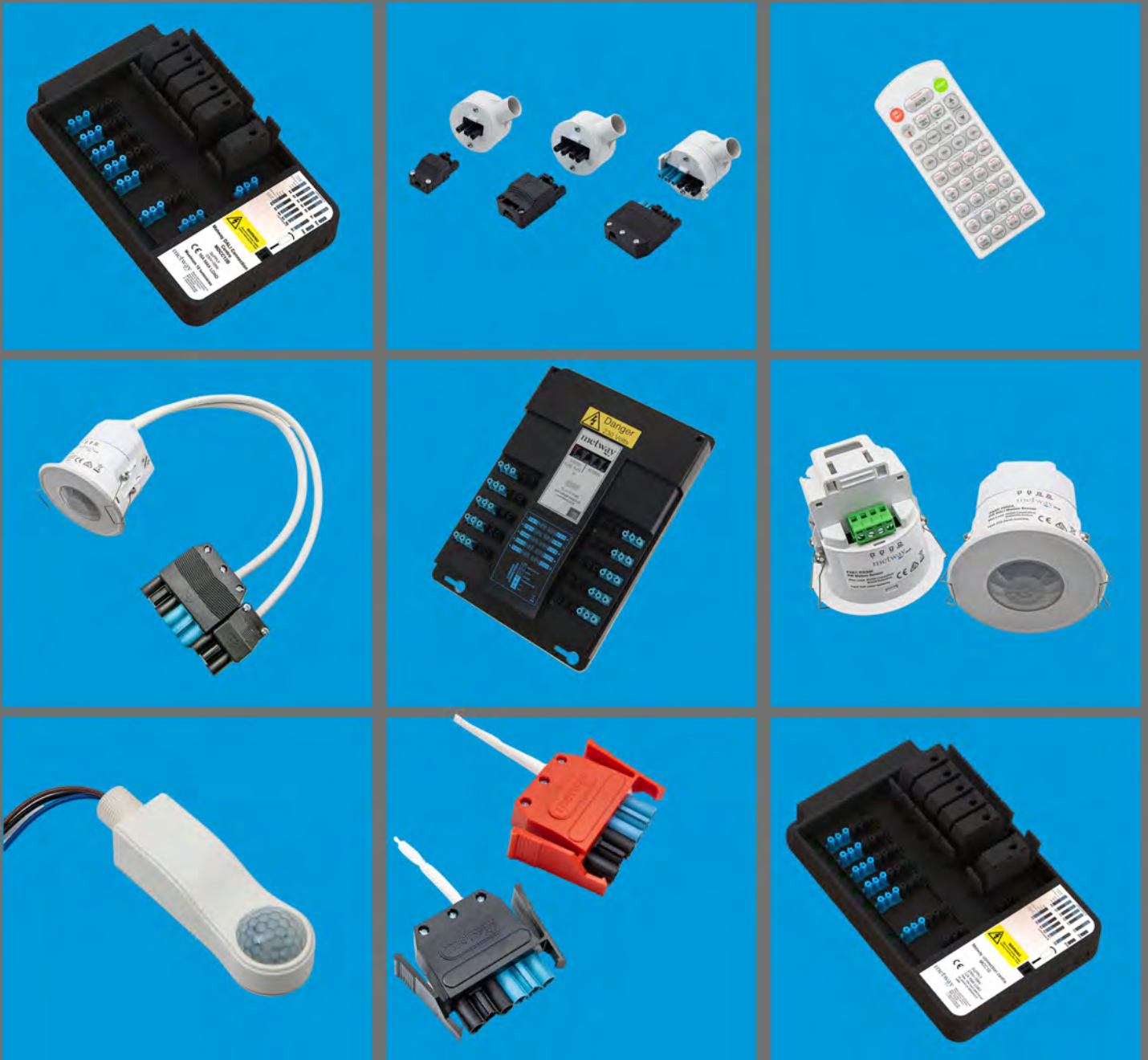
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Lighting a garden space



Luke Thomas,
Design Director
at John Cullen Lighting:



How can lighting create the perfect outdoor living space that can be used all year round? We find out about some of the recommended products and best techniques for lighting residential gardens.

"The addition of light to any garden creates a magical extra room at night and adds a wonderful new perspective as dusk falls, whether in summer or winter.

Firstly, create a wash of light to the surrounding planting to show off the colours and flowers when it gets dark. This is best achieved with a selection of spiked LED lights which can be repositioned as the planting grows. Consider products such as our Kew spotlights for taller more structured planting or Hampton floodlights for a wash of light for the front of flower beds or paths.

Secondly, a great way of adding more interest and another layer of light is to add exterior LED strip such as our Contour HD24X beneath a fixed dining table or seating to create a soft floating effect. Combine with Lucca uplights to emphasise the texture of any brickwork nearby, adding an extra layer of lighting.

Light path or steps too - this is not only for safety reasons but to create a path to lead through the garden. Consider adding the directional Lucca Steplight to wash light over each step or direct a miniature spiked floodlight such as our Hampton to the path to light the way.

For an additional element of magic, why not suspend sparkly Starliters in a tree? These are best hung in threes and produce a wonderful twinkly atmospheric light. In addition, spike some Carella candle lights into your flower beds to light them. These look like staked flares or nightlights and can even be used to light a path.

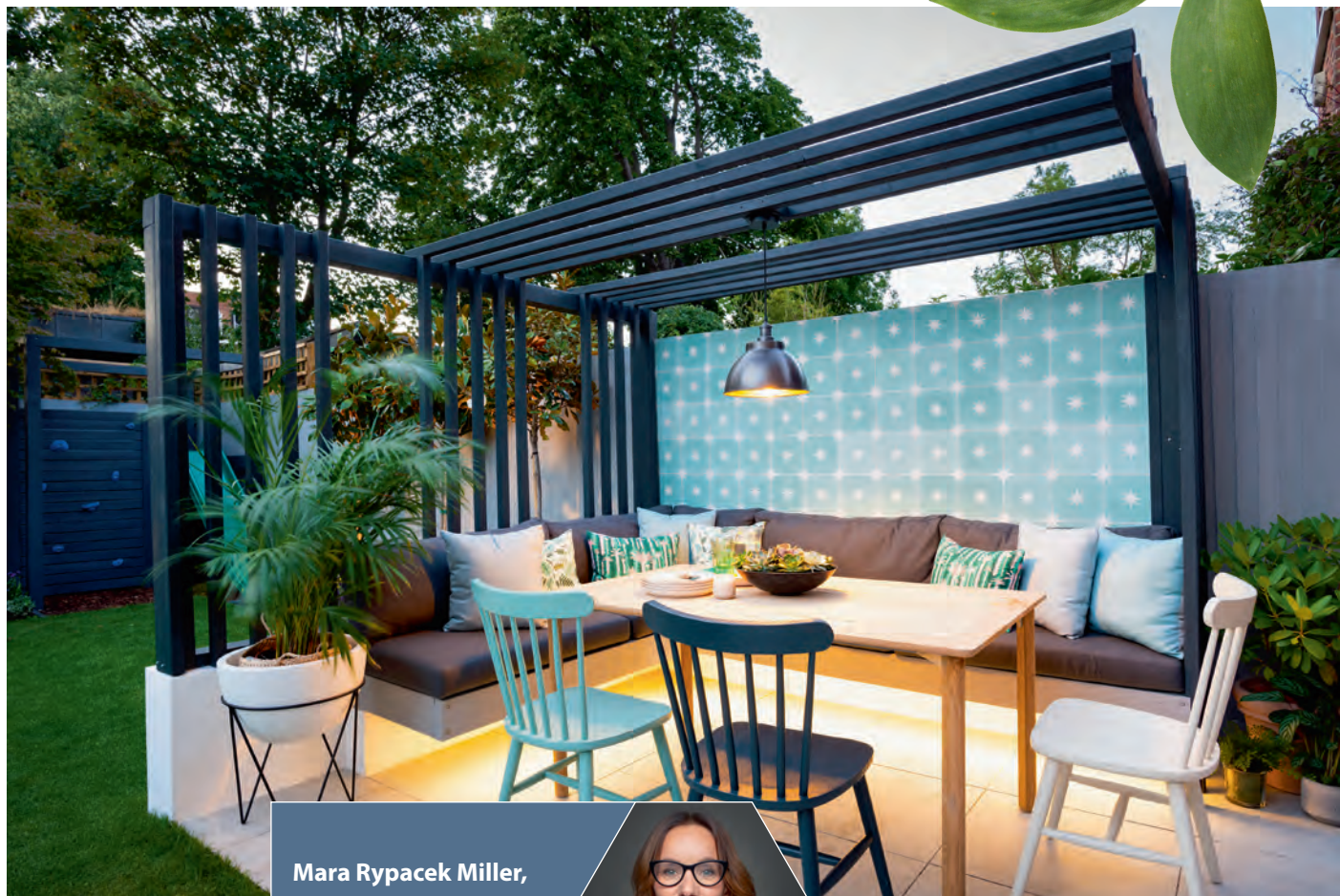
Finally, to maximise the elegant garden outdoor living space, you can use a sophisticated control system with scene setting to harmoniously balance outdoor and indoor lighting levels. Create different circuits so



you can tailor your scenes to the lifestyle and extend the viewpoint with a pleasingly lit seating/party area."

John Cullen Lighting
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www.johncullenlighting.com

*Images courtesy of John Cullen Lighting.
Above image - garden design by Osada Design.
Photography: Steven Wooster.*



Mara Rypacek Miller,
Managing Director
of Industville Ltd:



*Image supplied by
Industville Ltd.
Photographer:
Joanna Kossak.
Designer:
Chris Harrington.*

"Whether it's a small garden or a sprawling landscape, the right lighting can enhance the ambience, highlight key features, and provide safety and security, allowing homeowners to create an outdoor oasis that can be relished in every season.

When it comes to outdoor lighting, metallic light fixtures are an excellent choice due to their durability and aesthetic appeal. Metal finishes like pewter, brass and copper work beautifully against brickwork, wooden fencing, concrete and other natural elements. The timeless appeal of metal fixtures also lends itself particularly well to coordination with other garden furniture and accessories. Along with adding interest with texture and shine, sleek metals can also bring a sense of luxury to an outside space.

To create an atmosphere that looks great in the evening as well as throughout the year, consider incorporating a combination of lighting techniques. Layering is a popular technique that involves

using different types of lighting to create depth and visual interest. Start with ambient lighting, which provides a soft and warm glow that sets the mood. This can be achieved with string lights suspended above seating areas, lanterns placed strategically throughout the garden, or even wall sconces near outdoor living spaces. Additionally, solar-powered lights can be a sustainable and cost-effective solution, especially for areas without easy access to electrical outlets.

Task lighting is another essential aspect of outdoor lighting. It ensures that specific areas are well-illuminated for various activities. For example, installing pendant lights or wall-mounted fixtures can provide focused lighting for cooking areas, outdoor bars, or reading nooks. These fixtures can be positioned to highlight specific features or objects, adding both functionality and visual interest.

To create an enchanting atmosphere that can be appreciated in every season, consider accent

lighting. Uplights for example, can be strategically placed to illuminate trees, pergolas, architectural elements, or sculptures, creating dramatic shadows and highlighting the beauty of the garden, whereas downlighting helps to brighten pathways and seating areas. By placing these fixtures strategically, the landscape can be transformed into a mesmerising display of light and shadows, regardless of the time of year and what the weather brings!

It's important to consider the practical aspects of outdoor lighting as well. Look for fixtures from trusted suppliers with high IP ratings, indicating their ability to withstand dust and water ingress. LED bulbs are recommended for their energy efficiency, longevity, and versatility in terms of colour and brightness."

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Neil Parslow,
Lead Designer and Owner
at Neil Parslow Design



"Garden lighting is often associated with the warmer summer months when people venture out and spend more time in their gardens. However, a carefully designed lighting scheme can provide all year-round enjoyment which can entice you into the garden, or, just allow for that visual connection to be from inside out through a window when the weather is not at its best.

Garden lighting differs considerably from interior lighting, and this is mostly due to the continual change occurring in the landscape throughout the seasons and years as planting matures.

Illuminating evergreen shrubs and trees as well as deciduous planting will ensure equal interest, no matter what the season. Tree mount downlights coupled with in-ground or spike uplights will provide balance and cohesion in a lighting design.

Lighting can be enjoyed for longer periods during the autumn and winter months as the nights are much longer, and this can provide a dramatic image especially when lighting dormant mature trees which have majestic branching structures.

In the winter, many of us leave for work in the morning and also return home whilst it is still dark, and this is when garden lighting can reconnect us to our gardens.

Controls are also an important component of any garden lighting scheme, with smart controls able to adjust automatically throughout the year to the varying seasons. Even though garden lighting typically requires much lower light levels than interior lighting,

responsible lighting use should still be encouraged. If you are not using the lighting, only turn it on when required, and have timers turn off at 10pm or 11pm, where possible.

When designing a garden lighting scheme, there are several environmental factors which should be considered during the design stages, including light pollution, which can be heavily reduced by using lower output luminaires, and ensuring the fittings are aimed correctly and not just illuminating the night sky. Wildlife including bats and insects can also be affected by artificial lighting when over bright light sources and cooler colour temperatures are used, but a few simple precautions can be used to reduce these issues."

Neil Parslow Design
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Images courtesy of Neil Parslow Design.

Lighting designed for places and people

Contemporary lighting solutions designed to enhance the beauty of outdoor spaces while also meeting the needs of both people and the environment

Exchange Square, Broadgate

Lighting Design: Speirs Major

Product: Pharola Max



Leigh Everett,
Director of Mr Resistor:



"When it comes to outdoor aesthetics, garden spike lighting plays a crucial role in creating a warm and inviting atmosphere whilst enhancing the overall appeal of a landscape or outdoor space. By strategically placing lighting fixtures, this form of lighting can accentuate architectural features, highlight specific plants or trees, and even create captivating shadows and textures. Whether used to showcase sculptures, water features, or focal points in the garden, spike lighting can create visually stunning effects that truly come to life during the night-time.

One of the notable advantages of plug & play spike lights is their versatility and ease of installation. These lighting fixtures offer a hassle-free solution for illuminating outdoor spaces without the need for complex wiring or professional installation. They can be easily installed by anyone, making them an accessible choice for

homeowners who want to enhance their gardens with beautiful lighting.

Flood spike lighting serves a primary purpose: to provide concentrated lighting for specific areas or objects in outdoor spaces. These lights emit a broad and intense beam of light, making them ideal for highlighting architectural features, trees, sculptures, or any other focal points in gardens, landscapes, or pathways. With their powerful illumination, flood spike lights ensure that the intended area or object receives the attention it deserves, creating a captivating visual impact.

For those seeking a more dynamic lighting experience, colour changing garden spike lights offer a wide spectrum of colours to choose from. These lights can include basic colours such as red, green, blue, and white, as well as various shades in between. In some lighting systems, the option to blend different colours is

provided, allowing users to create custom hues and achieve a truly personalised lighting experience. This flexibility in colour choice enables individuals to set the desired mood or ambience in their outdoor spaces, further enhancing the aesthetic appeal.

In situations where larger garden greenery needs to be illuminated, post spike lights come into play. These lights feature a longer supporting rod, allowing the lighting fixture to be elevated above the taller plants and foliage. Post spike lights are particularly suitable for illuminating paths, driveways, and walls. For example, they work perfectly along the driveway or the entrance path, where ample lighting is needed to ensure safety and provide an inviting atmosphere."

*Images courtesy of
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Remanufacturing a sustainable future for the lighting industry



Simon Fisher, Founder & Director of F Mark Ltd and Partner of The Regen Initiative, discusses how the lighting industry can overcome the common challenges of remanufacturing making the most of the important benefits.

Remanufacturing requires a complete change in mindset, production and process from the linear take, 'make waste' economy, where old light fittings are discarded and replaced with new.

In most cases, the process involves keeping the original luminaire material, known as the Core, and converting the light source to LED. This helps to create a solution that saves energy, time, money, and ultimately, the environment. Remanufacture as a technique goes hand-in-hand with technology upgrades, which is crucial in the lighting industry to keep products modern and introduce new solutions into the market.

The aim of The Regen Initiative partners is to work together and collaboratively to provide more efficient lighting that stands the

test of time without compromise, challenging the status quo and striving to provide solutions without sacrificing quality or compromising on safety or ethical standards.

Responsibilities of remanufacturing

Retaining fluorescent is no longer an option due to its imminent obsolescence. The only options remaining seem to be replace old fluorescent with new LED lighting or remanufacture old fluorescent and upgrade to LED.

As a result, clients are opening up to the concept of reuse of existing light fittings in projects to achieve both cost savings and sustainability goals by reducing energy usage and carbon output. This is in response to a renewed drive to achieve Net Zero and a recognition that globally we need to reduce our energy and carbon consumption to meet this goal.

LED luminaires significantly reduce energy when compared with traditional luminaires, but in many cases luminaires are discarded when they still have life left in them and can benefit from being upgraded to LED solutions.

For the UK to meet energy targets, we must look at taking energy out of existing sources. Lighting is the ideal opportunity to look at reducing energy, with significant reductions possible by upgrading existing systems.

The challenges of circular economy lighting

The principle of remanufacturing is more complex than just fitting new and is therefore a more challenging process. While acknowledging that fitting new is easier for the customer, remanufacturing maximises the potential for carbon reduction, capturing all of the

*Images courtesy of
The Regen Initiative.*



embodied and operational benefits available.

Each project should be looked at on an individual, case-by-case basis, as it takes more coordination, and the client and all parties need to be committed. In some instances, remanufacturing might not be physically or financially beneficial, and it is important to consider all options.

This raises the question for clients – if it's easier to fit new, why should we work harder to remanufacture?

The benefits of embracing remanufacturing

There are a huge number of benefits for clients, including an increase in energy efficiency, resulting in a reduction in operational cost, and an improvement in sustainable credentials by lowering carbon emissions. In addition, remanufacturing offers an opportunity to further upgrade the controls strategy, where wired or wireless dimming can be integrated, along with automated controls and daylight linking deployment, which would result in further energy savings of up to 30 percent.


Remanufacturing products reduces the carbon burden and reduces waste by keeping existing products in use in line with circular economy principles. It also increases the life of existing products due to longer LED life, coupled with a simplified installation, delivering ultra-long-life solutions lasting for generations to come.

The Regen Initiative can simplify the whole process by managing the remanufacture of products which were originally delivered by multiple OEMs, delivering significant energy savings at scale. A recent example of savings achieved

is demonstrated through the remanufacture of existing installed lighting at Arup's Manchester office. By swapping from compact fluorescent to LED luminaires, this remanufacture achieved a 72 percent reduction in energy, and a 45 percent reduction in carbon emissions by reusing the existing housings of the original fittings. In addition, we upgraded and simplified the control solution from DALI to wireless. This single project alone avoided the consumption of over 5500kg of carbon dioxide, the equivalent of over 67,000 plastic bottles.

Lighting a sustainable future

Remanufacturing is a credible option for the lighting industry's future, and the market is growing quickly in response to this. There is an appetite from the lighting specification community to engage in an alternative to 'replace with new'. The new British Standard BS8887, which is now in editorial review at BSI, is the code of conduct under which people will remanufacture light fittings. This will mean there is an industry benchmark to adhere to and future consequences for companies that don't meet requirements.

Whilst remanufacturing is not a new phenomenon, The Regen Initiative hope that 2023 will be a landmark year in which this practice becomes a credible alternative to simply replacing lighting for new. By providing manufacturers, suppliers and specifiers with vital insights to help ensure their business stays at the forefront of the sustainable lighting revolution. 

The Regen Initiative
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www.theregeninitiative.com



LIA Offers Guidance on Lamp Energy and Extends Relabelling Enforcement Deadline

A change to the required energy labelling of lamps will come into force on 1st October 2023, requiring that any lamps with the old energy label must be sold before this date. The Lighting Industry Association (LIA) are offering guidance for the industry on how to prepare for the deadline and ensure that products are sold before that date.

The GB Ecodesign for Energy-Related Products and Energy Information (Lighting Products) Regulations 2021, SI 2021 No. 1095, originally required that by 1st April 2023, any light sources (lamps) with the old energy labels (A++ to E rating) have it replaced with the new rescaled label (A to G rating). The same requirement applied in the EU/NI from 1st March 2023.

The LIA and the British Retail Consortium (BRC) have been working closely together on this topic, assessing the scale of the problem and briefing DESNZ that disruptions to supply chains, reduced retail demand and staff shortages post-Covid would result in a significant volume of light sources being still on the UK market with the old A-E Energy Label after the deadline of 1st April 2023.

The LIA, and the BRC, were therefore very pleased to secure a six-month delay to this GB relabelling date from DESNZ/OPSS until 1st October 2023.

Ayça Donaghy, CEO of the LIA, commented: "We would like to thank Lord Callanan, Minister for Energy Security and Green Finance at the Department for Energy Security and Net Zero (DESNZ),

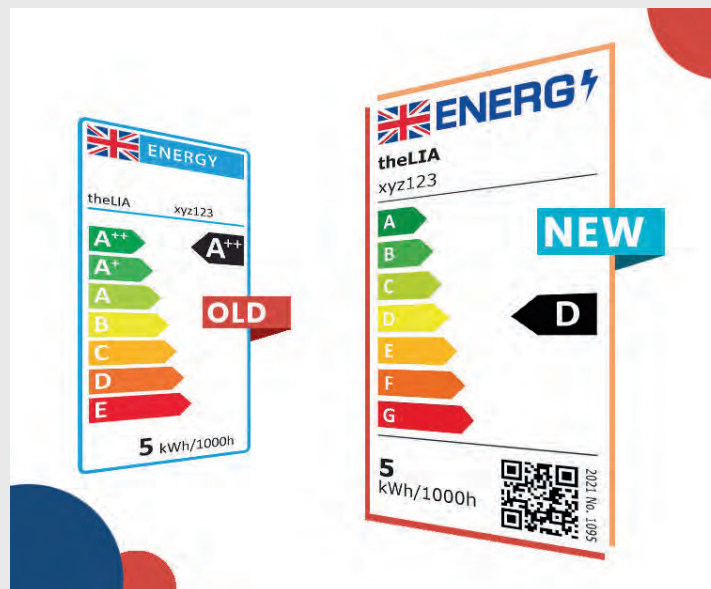


Image courtesy of the LIA.

and the team for listening to our concerns and subsequently granting the needed extension. This extension shows the value of an effective industry association to its members and grants those in the industry valuable time to prepare their products for the new market regulations in October."

Firstly, companies should now ensure they contact supply chain partners and make them aware of the extension. Following this, the LIA have put together a helpful guide, available to the entire lighting industry, with strategies to reduce stocks featuring the old energy label. Tips to reduce stock already in place include stock rotation, promotions, and donation.

Bob Bohannon, Head of Policy and Sustainability at the LIA, added: "It is our responsibility as an industry to use the six-month extension granted by DESNZ wisely. The LIA are spreading awareness and guidance to the industry, encouraging companies to work with up and downstream supply chains, rotate stock on shelves to ensure any old labelled stock is at the front, sell stock through and ultimately relabel any remaining stock with the new A-G label. With our support, companies can prepare themselves for October and reduce any losses by ensuring stock can be sold."

The LIA's full guidance can be found here: https://cdn.ymaws.com/www.thelia.org.uk/resource/resmgr/website_2023/newsletters/lamps_advice.pdf.

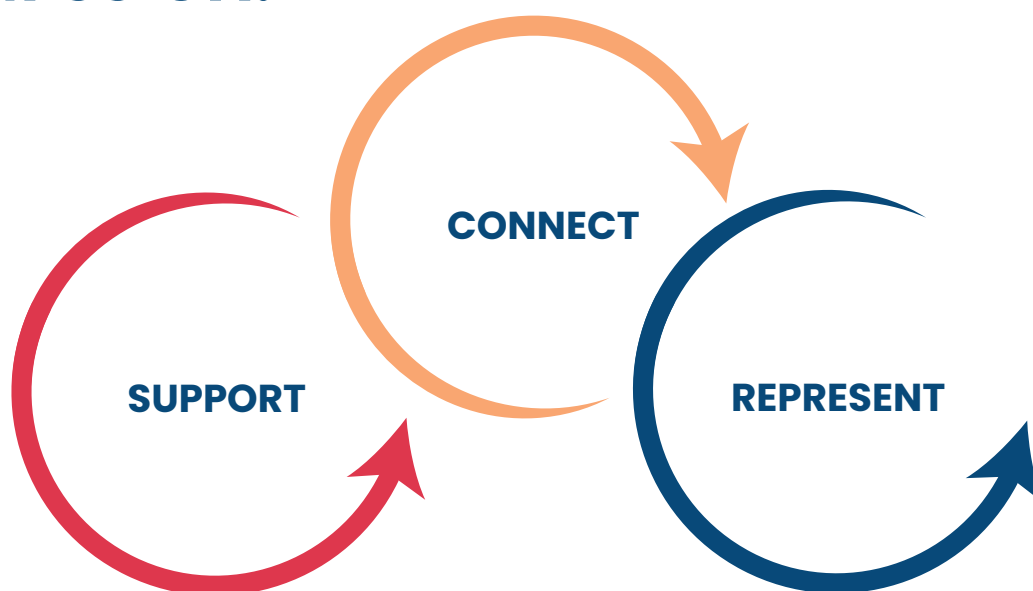
THE LIA INSIGHT

For information on testing, certification, or membership, contact the LIA on +44 (0)1952 290905 or email enquiries@thelia.org.uk.



theLIA

OUR MISSION:



As the largest lighting association in Europe, the LIA is well recognised across the globe.

Dedicated to serving the UK's lighting industry and its supply chain, our members represent a thriving cross section of the sector – from multi-nationals to SMEs.

We are working at the forefront of lighting technology to develop the compliance, competence and sustainability of the UK Lighting market.

BE PART OF IT.

Contact enquiries@thelia.org.uk to find out how.

Eyes On...



A1 Lighting speaks to Mark Needham, Managing Director of Lumineux Group about the company and their range of lighting solutions.



Congratulations on your appointment as Lumineux Group Managing Director. You've been in the role for just over 60 days. What are your first impressions?

Thank you. It has been a busy, but exciting first couple of months during which I have been extremely impressed with the group's capabilities. One of my first questions was what Lumineux (pronounced Lumin-no) means; the answer being 'luminous', to give off light, bright or shining. This is a family business with more than 35 years' lighting industry experience and is built on a strong foundation for growth, which is a great reflection of its name.

With a truly fantastic range of innovative products, as well as a highly dedicated support team, we can deliver an unrivalled level of quality and service to the industry. Our mission will be to deliver this message to the industry and to demonstrate to our customers all that Lumineux can do for them. It's a great time to be part of a business that is well set to continue its growth and to lead Lumineux Group to the next level.

You offer an extensive range of lighting solutions. Is there a particular sector your products are best specified for?

Traditionally, Lumineux has been highly respected for the quality and performance of its industrial range, including our Foremark Plus, which has recently become



From left to right: Hannah Hickling (Business Director), Ben Chapman (Sales & Marketing Director), Sam Chapman (Site Manager), Josh Chapman (Operations Director), Jake Chapman (Finance Director), Nathan Chapman (Technical Director). Front: Mark Needham (Managing Director).

one of the first A-rated high bays on the market. However, we have also enjoyed excellent success in fire-rated downlights, with our 4CCT selectable Avon PRO that comes in our popular, fully recyclable 8pc multipack. I think this demonstrates that Lumineux excels across a broad spectrum of lighting sectors, which I believe is due to our continuous development of our product range. It is exciting to realise the width and breadth of the Lumineux range and sectors we support.

Most recently we have introduced our industry focuses, highlighting our ability to support specific sectors with their complete lighting requirements. We have already released 'Education Lighting' and 'Sports Lighting' (brochures available on our website), with 'Social Housing', 'Industrial Lighting' and 'Exterior Lighting' following soon.

We are involved with some fantastic projects, supporting them with a range of exceptional quality

and innovative products. Now, we'd like everyone to know about them!

Are you working on any new products at the moment?

We enjoy constant feedback from the marketplace, including designers and specifiers which allows us to be at the forefront of innovative product design, and in times of an economic challenge this has never been more important. One exciting launch is truSmart. Combining cutting-edge smart technology with our highest specification luminaires, we provide a powerful yet intuitive Bluetooth Low Energy control solution. This both significantly reduces energy costs and maximises light effectiveness with its innovative lighting control management system. truSmart is set to launch later this year and will be fully scalable, from a single room through to a multi-site environment, according to each project's requirements.

Images courtesy of Lumineux Group.



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"What I do predict, regardless of today or tomorrow's trend, or new and developing technology, is the desire for reliable, high performance and best quality lighting products to continue to remain the primary demand."

Mark Needham, Managing Director, Lumineux Group.



From your experience, what makes Lumineux different to others in the industry?

I am impressed with the level of support we offer to our customers. We have 11 external UK sales managers, backed up by dedicated internal lighting designers, a directly contactable technical department, and an internal support team who, in my opinion, deliver truly the best service to our customers.

Our Lumineux Group wholly owned offices, production and warehouse facility occupies an area of nearly 200,000sq ft and sits on our impressive 22-acre site, alongside our 3PL warehousing and storage facilities. An equally impressive 35,000sq ft warehouse dedicated to Lumineux lighting products enables us to service over 98 percent of our orders directly from UK stocks, to support next-day deliveries.

Furthermore, our in-house production team will tailor many of our products for individual projects, conversions, or bespoke requests, for various lighting scenarios and requirements. It means that Lumineux can offer an elevated level of service. When you combine this with the quality and the competitive price of our products, I really believe that Lumineux Group can offer a level of products and service of which few others can compete.


In your opinion, what do you predict will be the next big trends in lighting?

Certainly, right now, connected and smart technology is the big trend, as end users, site managers and business owners battle with rising costs. We see with our truSmart product range that the investment into this technology will dramatically reduce energy bills and deliver significantly greater efficiencies and cost-effective lighting.

I do not see this trend or the



demand for greater efficiencies reducing anytime soon, and I believe it will continue to grow in importance throughout our industry for the foreseeable future. However, alongside energy efficiency, we also see the desire to embrace a more sustainable and circular economy. The lighting industry will play an important role in this as more luminaries will be developed to offer replaceable and interchangeable components. Lumineux are actively invested into this vital and exciting new era of luminaire design, with several plug & play components entering our product range this year.

What I do predict, regardless of today or tomorrow's trend, or new and developing technology, is the desire for reliable, high performance and best quality lighting products to continue to remain the primary demand. Lumineux Group are proud to continue our work in the industry to present these highest quality and reliability products. 

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Images courtesy of Lumineux Group.



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80 Strand

80 Strand is a landmark art deco building occupying a prominent position on the River Thames between the Strand and Embankment in London. The commercial office space's recent renovation features lighting design by Speirs Major.

Speirs Major's lighting design for 80 Strand includes bespoke luminaires that celebrate the building's heritage while contributing to an elegant and contemporary working environment. The design centres on a series of custom pieces, drawing out key art deco characteristics such as geometric shapes, frames and grids with a balance of translucent and solid materials.

Invited to redesign the lighting for linked communal spaces that cut through the Grade II listed building, the lighting designers collaborated with architects PDP, interior designer Hannah Carter Owers, and

landscape designer Andy Sturgeon to create their beautifully integrated designs.

Keith Bradshaw, Senior Partner at Speirs Major, explained, "We drew inspiration from lighting designs from the period and then streamlined and contemporised those ideas, carefully considering how each detail would integrate within each space. Interestingly, while the characteristic large glowing surfaces give the impression of creating a bright and airy space, in most cases, we also added subtle additional lighting to balance the composition and boost the light levels without detracting from the visual impact of the

statement pieces. This approach feels naturally harmonious with the heritage architecture while delivering a vibrant office environment. In all, we created five exquisitely detailed bespoke designs for the various spaces, with commonality in their design language that adds to the sense of cohesion as you travel through the building."

The entrance into the building from the Strand is through a colonnade and as darkness falls, an even soft wash of light to the vaulted ceiling creates an enticing presence, punctuated by the glowing orbs of refurbished original pendants. A dramatic new glass



A dramatic new glass entrance pavilion is accessed from an internal courtyard. Given that minimal quantities of natural light can penetrate this area, artificial lighting was crucial to a great first impression.



entrance pavilion is accessed from an internal courtyard. Given that minimal quantities of natural light can penetrate this area, artificial lighting was crucial to a great first impression.


The first of the statement light pieces is a stand-out in both scale and design and set beneath the apex of the Pavilion roof. The 5m x 5m laylight features a series of backlit inverted pyramids set within a grid frame and ringed by downlights, creating a beautiful graphic lit effect. The courtyard facades are highlighted with soft washes and the screens behind the reception desk and the desk frontage help to frame the space and aid navigation.

In the double-height reception area, an arrangement of beautifully detailed fluted glass and bronze wall lights is followed by a series of suspended grid-patterned light boxes leading to the lift lobbies. All lighting is carefully positioned creating a welcoming atmosphere and help visually define the different functional spaces.

A unique flexible breakout space located in a former light well has been created with the addition

of the Glasshouse Garden on the upper level. Double-height glass-framed spaces flank upper and lower corridors with vaulted ceilings, lit by warm custom spherical pendants. With natural light unable to reach ground level, highlights to planting and uplighting to the facades and green walls create a soft surrounding glow. Additional task lighting helps shape a hospitable atmosphere for meeting, networking, and socialising.

From the lower corridor of the Glasshouse, a colonnade leads out towards the Embankment entrance reception area where a series of original pendants have been refurbished and upgraded. The unique pendants cast light onto the vaulted ceiling to keep this transition area feeling bright and spacious. The entrance's previous lighting gave it a harsh yet flat appearance, now a neat bespoke lozenge-shaped light-box detail delivers a soft and welcoming quality of light while also acting as a beautiful feature detail.

Keith summarised: "Creating a contemporary feel to the light while drawing on heritage features is not as easy as it sounds. We are really happy with the way the light looks within the art deco heritage of the building, whilst providing a sharper, luxury feel for its re-energised image." 

Speirs Major
+44 (0)20 7067 4700
www.smlightarchitecture.com

Client: Strandbrook.

Architect: PDP London.

Interior design: Carter Owers.

Lighting design: Speirs Major - Keith Bradshaw, Jaime Fuentes McGreevy, Jungwon Jung and Marina Andronescu.

Landscape Architect: Andy Sturgeon.

Custom luminaires: DAL.

Images: Courtesy of Speirs Major. **Photography:** James Newton.



The Taphouse Bar and Restaurant, Bellaghy

The Taphouse Bar and Restaurant in Bellaghy, County Londonderry, selects lighting solutions from Aurora Lighting for their new function room.

The County Londonderry village of Bellaghy, Northern Ireland, saw the opening of The Taphouse Bar and Restaurant back in 2018. The family friendly space has a welcoming atmosphere and is the perfect place to dine and enjoy a drink. The venue also offers catering for larger celebrations and private functions.

To accommodate additional events the venue recently expanded, building a brand-new function room. To create the right ambience, the lighting needed to be customisable, so the needs of the space and the clientele could be catered for.

A range of solutions from LED lighting and smart products specialist Aurora Lighting were selected. Aurora Lighting's Bluetooth RGBCX LED strip has been installed, alongside a number of Bluetooth RGBCX GU10s. The flexibility and ease of control through a simple Bluetooth connection, allows staff to control colour and brightness through a remote control or the Aone BLE app.

The LED strip and GU10 luminaires both offer control over colour temperature between 2700K – 5000K. This delivers a huge range of what the light can be used for, from daytime events that require more light, to evening gatherings where warm, inviting light is preferable. The solutions come with a three-year warranty and a L70 of 25,000 hours, providing peace of mind for many years to come.

Ed Denny, National Sales Manager at Aurora Lighting, commented: "The Taphouse is a wonderful village bar and restaurant that attracts customers from far and wide. The new function room has the potential to host a plethora



of events and celebrations, and the lighting needed to accommodate this. The Bluetooth solutions from Aurora Lighting deliver flexibility, outstanding light quality, and an easy installation, which made them a great choice for this project."

The lighting products were supplied through Electrical Wholesale Express, Magherafelt; one of Aurora Lighting's trusted wholesaler partners. The installation was straightforward, with everything required available from the wholesaler. Aurora Lighting's solutions combine high technology with simple installation, making them the ideal choice for The Taphouse Bar and Restaurant. 

Aurora Lighting
+44 (0)1707 228700
<https://auroralighting.com>



Client: The Taphouse Bar and Restaurant.
Contractor: Mac-Electrics.
Wholesaler: Electrical Wholesale Express, Magherafelt.
Images: Courtesy of Aurora Lighting.

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A comprehensive lighting refurbishment



TRILUX Group's retail lighting expert, Oktalite, provides a comprehensive lighting refurbishment for workwear brand Engelbert Strauss in Hesse, Germany.

Workwear fashion brand Engelbert Strauss is a family-owned company based in Biebergemünd, Hesse, around 50km from Frankfurt am Main in Germany. It has recently implemented a comprehensive lighting refurbishment in its new urban workwear store to create a distinctive light signature.

The brand is renowned for its innovation in new products which this year includes the launch of the first biodegradable trousers made of banana fibres to show its commitment to sustainability in fashion.

During the pandemic period, the company used the opportunity to revamp its lighting with over 900 powerful LED spotlights provided by TRILUX Group's retail lighting expert, Oktalite. The new lighting design showcases the brand, fashion, and events with less energy consumption and greater intensity.

According to Thomas Bock, Project Manager at Oktalite, "A brand can be experienced through light in these stores. Many events


take place that attract customers, even from Frankfurt. For such a shopping experience, the lighting must be 100 percent right. Our new luminaires are power packages with up to 6000 lumens. With them, we effortlessly set strong accents in the room and on surfaces, even from great heights."

The new lighting design complements the huge shopping landscape with an industrial look, spanning over 2,650m². The room height is almost eight metres, and the trapezoidal sheet metal ceiling blurs the boundary between the store and the event hall. The digital E.S. Infopoints provide in-depth product information via screens, whilst the KIDZ Corner offers a variety of services for the youngest target group.

Powerful CANILO track-mounted spotlights replaced more than 900 conventional spotlights offering one-third more efficiency. The new LED spotlights were precisely aligned at the height of five meters by experienced specialists from the service team. Oktalite used a slim, compact luminaire design in black,



and the GRADO floodlight provided concise illumination of displays and graphics on the walls. The overall focus of this project was on greater sustainability and reducing energy consumption. The luminaires were packaged collectively to reduce waste, highlighting the brand's environmentally friendly packaging concepts.

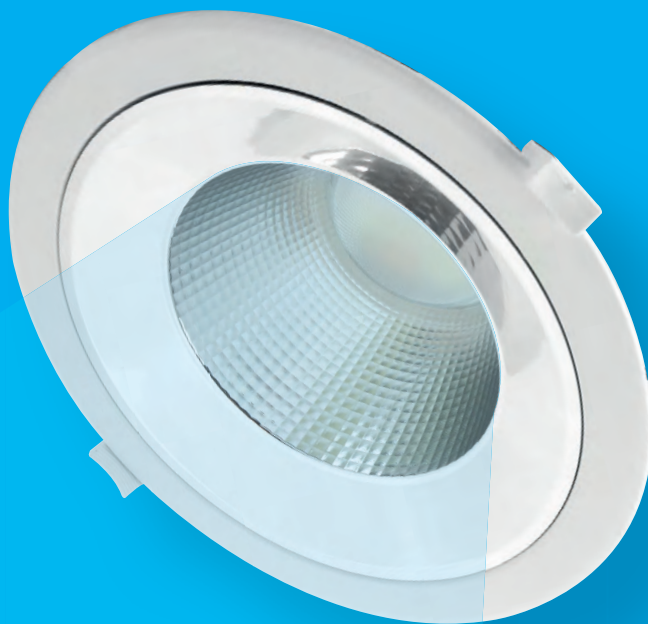
Oktalite have also refurbished the Engelbert Strauss store in Bergkirchen near Munich in Germany, prioritising lighting quality and energy efficiency. The brand's commitment to sustainability underscores its focus on providing a pleasant shopping experience and emphasising the merchandise's durability, functionality and robustness. 

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Images courtesy of TRILUX.

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Hallgrímskirkja church is located in Iceland's capital, Reykjavík. This famous place of worship also hosts cultural events and is a popular tourist destination.

LISKA were appointed as the lighting designers, with a brief to redesign the church's external lighting and to ensure the new LED fixtures were as unobtrusive as possible. This was delivered through a number of partnerships, including the selection of Pharos Architectural Controls to realise the lighting control requirements.

Pharos provided several solutions from its award-winning portfolio; specifically, two Pharos Designer LPC 2s, and one Pharos Designer TPS.

The Designer LPC is an all-in-one control solution, ideal for architectural LED lighting installations. It is designed for complete reliability and features individually controllable and independently running timelines and scenes that allow users to fully customise and pre-programme lighting effects.

The exterior lighting grazes the facade, roof and tower with colour, including options to use colder tones to offset the warm lighting of the interior and clock tower. Careful placement of the light fixtures has enhanced the three-dimensional surface and added contrast to the flowing texture of the facade. The luminaires were strategically placed to ensure they did not visually disrupt the architecture and surrounding public spaces.

The external lighting is programmed to celebrate religious, national and international calendar events. While these special scenes are programmed in advance, the lighting can also be controlled using the Pharos Designer TPS.

Mark de Gruyter, Regional Manager for EMEA at Pharos Architectural Controls, commented: "Hallgrímskirkja is a beautiful


Pharos Architectural Controls were selected to realise the lighting control requirements for Hallgrímskirkja church in Reykjavík, Iceland.



A spectacular sight

structure that can be spotted from almost anywhere in Reykjavík. With an outdated lighting system, it was long overdue for an improvement that could deliver a whole range of benefits. The dynamic lighting effects and level of control now possible through the use of Pharos technology will ensure this stunning church continues to be admired for many more years to come."

Örn Erlendsson, Lighting Designer at LISKA, added: "Hallgrímskirkja is known across the world for its striking facade and picturesque architecture. To create a lighting scheme for such an iconic place of worship is an honour. We wanted to enhance its existing beauty while also offering more, such as the ability to illuminate in colour and with a dynamic approach to support key events."

To aid sustainability, an automatic lighting cycle adjusts to the Nordic winter darkness, while saving energy through the brighter periods. The new scheme has delivered huge advantages to Hallgrímskirkja, improving aesthetics, flexibility and control, and sustainability. 

Pharos Architectural Controls
+44 (0)20 7471 9449
www.pharoscontrols.com



Client: Hallgrímskirkja church.
Lighting design: LISKA ehf.
Lighting design team: Örn Erlendsson, Guðjón L. Sigurðsson, Katerina Blahutova.
Contractor: Fagraf ehf.
Technical Supplier: Luxor.
Luminaires: Griven.
Controls: Pharos Architectural Controls.
Photographer: Örn Erlendsson.

**Pharos
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Hallgrímskirkja
church
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Pro-Lite provides a complete solution in the field of photometry and the measurement of light, lighting products and the optical properties of materials. Our range of equipment takes in the full "tool kit" that those working with lighting products might need, including handheld illuminance meters, colorimeters, spot luminance meters, integrating spheres in sizes from 25cm to 3m diameter, 2D imaging photometers for lit area luminance uniformity measurements and a range of advanced goniophotometers.

New for 2023 is the SSL range of professional-grade goniophotometers, the instrument capable of creating IES & LDT photometric data files. With inflation squeezing company finances more than ever, SSL goniophotometers are designed to deliver professional-grade performance to suit all budgets. Customers can choose from entry-level SSL-LAMP series, or for a moderate uplift we offer an SSL-LUMI model with added features that make life that little bit easier. SSL-LUMI models can be equipped with a burn-position correction option for full compliance with international lighting standards (IES LM79-19, CIE S025 and EN 13032).



Nestled in the stunning North Devon village, The Collective at Woolsery is home to various community-driven ventures such as the award-winning pub, The Farmer's Arms, a traditional Post Office shop, Potting Shed offering an evening dining experience, and a 150-acre Garden Farm. Currently in development is, Wulfheard Manor, a boutique hotel which features a restaurant and bar.

Entrepreneurs Michael and Xochi Birch have invested into this unique enterprise having a personal connection to the village, with their mother's family having lived in the area since the 1700s.

Business Director and Project Manager Emily Harmon approached Michael Grubb Studio to provide bespoke lighting design services, initially for the luxury pub, The Farmer's Arms, and later further projects across The Collective.

It was key that the lighting design was applicable for each of the settings and context, the concept also consciously reduced light spill and glare in compliance with local Dark Skies and Ecological requirements.

Emily Harmon commented: "We were incredibly pleased to work with Michael Grubb Studio on this project. The studio was involved in the project since the beginning, moving from working on The Farmer's Arms project to providing lighting design for many properties across the site. Lighting was incredibly important to the overall design, featuring different illumination levels transitioning from day to night, providing adaptability and flexibility within each well-lit space to meet the guest experience."

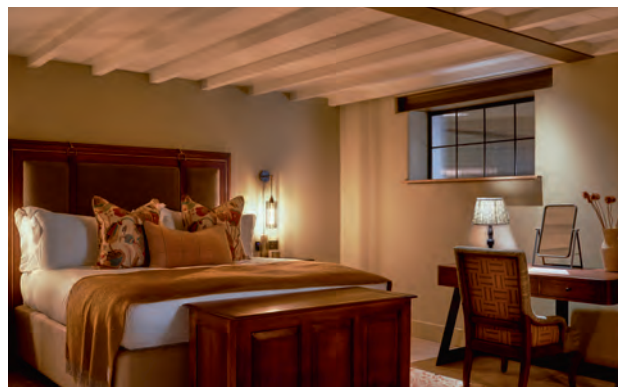
Michael Birch added: "We are so proud of the Woolsery project.



Local people are really excited for the village to come alive again, and Michael Grubb Studio has really helped bring The Collective to life. We have 70 employees over the whole project and over 75 percent of them live in Woolsery, so we have created a lovely community within the group of people who live and work there who know each other well. We are so pleased with the results – every property has come out beautifully."

Matt Waugh, Associate at Michael Grubb Studio, concluded: "Working on the Woolsery Project has been a totally unique experience, unlike any other project that the team has worked on. Collaborating closely with architects, clients, contractors, and interior designers has provided an invaluable learning experience. From the design process being truly collaborative across disciplines, to the contextual materiality, scale, individual characters, and easter egg features of each site. There are so many lighting effects that we are proud of."

Michael Grubb Studio
+44 (0)20 3161 4807
www.michaelgrubbstudio.com



Client: Michael and Xochi Birch.
Architects: Jonathan Rhind Architects, Piper Architecture.
Landscape Architects: Urqhart & Hunt.
Interior design: New Heritage Design.
Construction: Anthony Branfield Carpentry & Building.
Lighting design: Michael Grubb Studio.
Images: Courtesy of The Collective at Woolsery.



10770
NARROW SPOT
PLAIN



10771
NARROW SPOT
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10772
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LUISS Guido Carli



iGuzzini were selected by Alvisi Kirimoto along with Studio Gemma as the lighting partner for the new hub of the LUISS Guido Carli university campus in Rome's Parioli district.

The project by Kirimoto and Studio Gemma complements the university spaces constructing a completely new educational building which is on two floors and covers a total area of 1,500sqm.

Massimo Alvisi, Founder of Alvisi Kirimoto commented on the project: "The building is a wooden box, raised above the ground, which interacts with nature. The project is based on the idea of raising the building, so it is in direct contact with the treetops and frees as much of the ground floor as possible. This floor, in fact, houses the entrance, a classroom and facilities, while the upper floor includes an amphitheatre and two classrooms."

Inside the amphitheatre, suspended between the acoustic panels that define the coral-red ceiling, low voltage tracks have been installed to power the Ø 62mm Palco projectors that are fitted with flood optics for diffuse and homogeneous direct lighting.


Also on the first floor classrooms general light is provided by IN60 luminaires linear system.

A staircase with crisscrossing

ramps connects the two floors internally via a double-height space, while a third staircase connects the first floor to the outdoors. Adjustable recessed Laser luminaires with wide flood optics generate diffuse, homogeneous lighting in the evening.

Visibly set back, the ground floor emphasises the lightness of the upper volume and creates a space that is both open and covered at the same time. At night, the area is lit by Underscore inOut luminaires installed between the wooden slats of the ceiling.

The outdoor spaces are lit by pole-mounted Twilight Bilbao luminaires with symmetrical optics, installed along the pathways. All the external areas are equipped to offer flexibility and endless possibilities for people to meet.

Inspired by sustainable design principles and made of natural materials, the building has been awarded LEED Platinum certification. 

iGuzzini
 +44 (0)1483 468000
 www.iguzzini.com



Client: Luiss Libera Università Internazionale degli Studi Sociali Guido Carli.

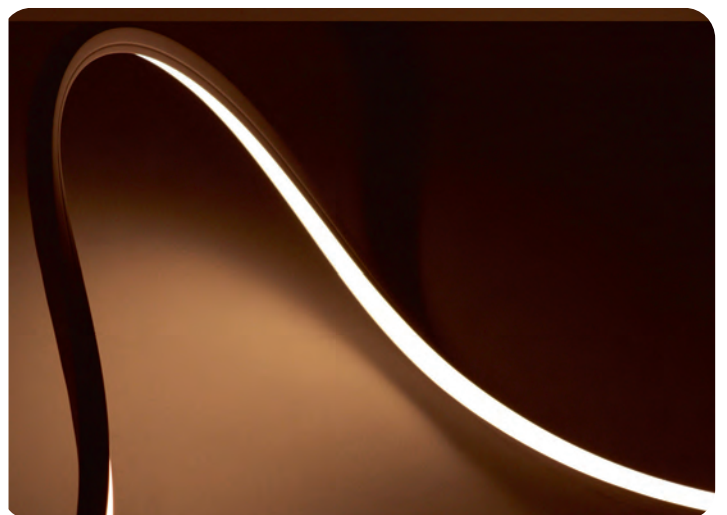
Architectural project: Alvisi Kirimoto with Studio Gemma.

Lighting project: Alvisi Kirimoto with Studio Gemma.

Photographer: Michele Nastasi.



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A multi-sensory experience

IP-rated luminaires from Elation Professional are used for AXION, a large-scale outdoor art installation at TRANSFIX located on the north end of the Las Vegas Strip.

Christopher Bauder, a light artist from the design and art studio WHITEvoid, and KiNK, an electronic music producer, have collaborated to create AXION, a large-scale outdoor art installation and unique multi-sensory experience.

Christopher Bauder works in the fields of light and installation art, media art and live AV performance, focusing on the translation of bits and bytes into objects and environments, and vice versa. In 2004, he founded the multidisciplinary art and design studio WHITEvoid. KiNK (Strahil Velchev) is an innovative producer of electronic music and captivating DJ from Bulgaria. AXION exemplifies a lighter yet spacious facet of his work.

AXION is the centerpiece of TRANSFIX and is located on four acres at the north end of the Las

Vegas Strip. TRANSFIX includes over 50 interactive, kinetic, illuminated artworks - living works of art - by artists from around the globe.

The multi-sensory experience invites participants on an individual journey of personal creative discovery, encouraging them to actively engage with each piece.

With AXION, Bauder and KiNK explore the ultimate horizon - outer space - in a work of art that reflects on the potential of axions, dark matter and the idea of the unknown. The artwork - an enormous pyramid that constantly morphs in appearance and mood - resembles a scientific device akin to space exploration or particle detection.

The lighting is expertly synchronised with an electronic music soundtrack that oscillates between calm ambient melodies and more furious beats. IP-rated luminaires from Elation Professional

were used, including: Proteus Excalibur™, Proteus Maximus™, SixPar 200IP™ and SixBar 1000IP™, all supplied by Las Vegas-based production and rental house AG Production Services.

The pyramid can be seen by visitors from a perimeter walkway or explored by walking around or beneath it. AXION also hosts special DJ nights with the space serving as an otherworldly dancefloor where guests can express themselves around the art piece.

AXION is truly an art piece to be experienced live and has been drawing large crowds since opening at TRANSFIX in late April.

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*Photos: Amanda Holmes,
 courtesy of WHITEvoid and KiNK.*

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Maintaining historical charm

Ansorg
EDEKA
Herzogenrath,
Germany



Retail lighting expert Ansorg devises a lighting scheme for the EDEKA store located in a former bus and streetcar depot in Herzogenrath, Germany.

Felix Adebahr has made a new investment in the refurbishment of the 120-year-old former bus and streetcar depot housing his EDEKA store in Herzogenrath. The family entrepreneur commented on the project: "Our goal was to combine a modern supermarket with the historical charm of a former coal mining region with a focus on the hospitality aspect of shopping."

The imperial building boasts exceptional architectural features, including ceilings of up to eight metres, exposed steel girders, partitioning pillars, brickwork and old window arches. All of these elements made it challenging to develop a lighting concept that worked for the entire store; a solution was achieved with the help of retail lighting expert Ansorg from Mülheim an der Ruhr.

Yvonne Frölich, Head of Lighting Design at Ansorg, commented, "Hardly anything in the 1,935m² store had anything in common with a traditional supermarket. At the same time, the owner had very ambitious lighting design requirement."

The intention was to give shoppers a sensation of space and to illuminate the products on display without any shadowing. The visual impression of more space was achieved by installing the luminaires around one metre higher than usual. Power rails running in the same direction of the aisles supported this effect. The lighting experts managed to illuminate the store without shadowing using adjustable reflector luminaires for the targeted illumination of the aisles and shelves.

Ansorg minimised light scattering in the supermarket's main aisles and peripheral zones for maximum emphasis by suspending double directional washers and additional spotlights were used to create various highlights.

Owner Felix Adebahr took inspiration from the public transport sector for his in-store signage concept. All the departments, from the cheese, meat and cold cuts section, to the Italian sections, wines and vegetables are identified by streetcar station signs.

The departments are separated by various elements



suspended from the ceilings and lighting concepts that are adapted to each of the product categories. Colour rendering, three dimensionality, brilliance and structure rendering play an important part in this respect. A product category-optimised spotlight concept was selected for the fruit and vegetable market section. In the meat, cheese and wine departments Ansorg combined powerful functional luminaires with homely decorative luminaires made of copper and glass.

Felix concluded: "The symbiosis of good quality light and a welcoming atmosphere has the effect of boosting sales. That's why we knew that a detailed lighting design concept was essential to achieving the desired effect."

Images courtesy of Ansorg.

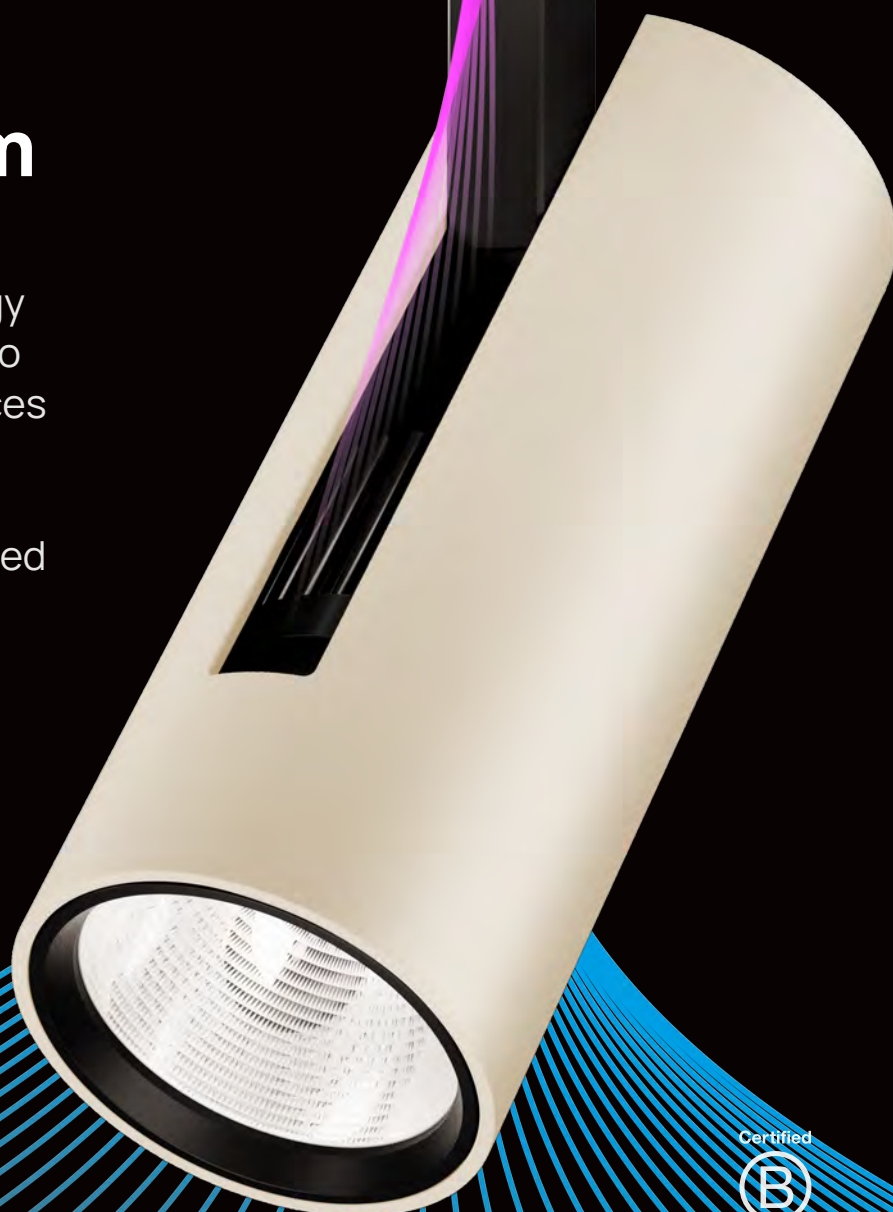
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Custom lighting for Pieropan winery

Catellani & Smith adds another level to the experience at the Pieropan winery, Tenuta Soave Pieropan, in Verona, Italy.



The long-established Pieropan winery can be found in the centre of the vineyards of Soave, Verona, in Italy, an area that boasts a long tradition in the production of world-renowned wines.

Designed in 2015 by the architect Moreno Zurlo, Tenuta Soave, the property of the Pieropan family, blends seamlessly with the surrounding landscape. The building is set entirely into the hillside, with the exception of the facade which is in solid Vicenza stone.

The property was conceived not only as a place to produce, mature and age the wine, but also as a location to visit and explore and a venue for events. The workspaces inside are designed to perfectly accommodate the processes undergone by the raw materials and embellished with elements able to stir the emotions and engage the observer.

Catellani & Smith were tasked with supplying eye-catching custom decorative lighting to the barrique room and the tasting suite of Tenuta

Soave Pieropan to add a fresh approach.

An enchanting area of the winery, the barrel cellar is a large underground room that inspires the same reverence as an ancient place of worship for winegrowers and winemakers. As you enter, two tidily arranged rows of barrels carry the eye towards the back of the room which is embellished with a custom Luna Piena lamp model with a diameter of 240cm and covered in gold-coloured leaf.

The ceiling lighting has also been arranged to highlight the perspective effect in the barrique room, with the installation of a series of custom ceiling lamps with different diameters and finishes - gold and copper - designed to create an attractive interplay of reflections and shadows. The ceiling lamps with a diameter of 80cm and 120cm are composed of a dome with jagged edges and brass rods supporting a micro LED that highlights the golden and copper finishes.

In addition, one of the walls of the room is adorned with an iron element,

painted, laser-cut and covered all over in gold-coloured leaf, lit from within by an LED light and featuring the words "Il futuro ha un cuore antico" translating to "the future has an ancient heart". This is the motto of the Pieropan family, who see Tenuta Soave as "a striking new element in keeping with tradition".

Installed in the tasting suite are the ceiling models Lederam C180, with a white shade and custom brass-coloured painted disc. The LED module encased within the disc at the bottom directs the light towards the disc at the top, which reflects and spreads light throughout the room, while creating a halo of light on the ceiling.

The space is completed with numerous Lederam F2 floor lamps, with a height of around 200cm and composed of two metal rods, each one supporting a swivelling aluminium disc covered with gold-coloured leaf.

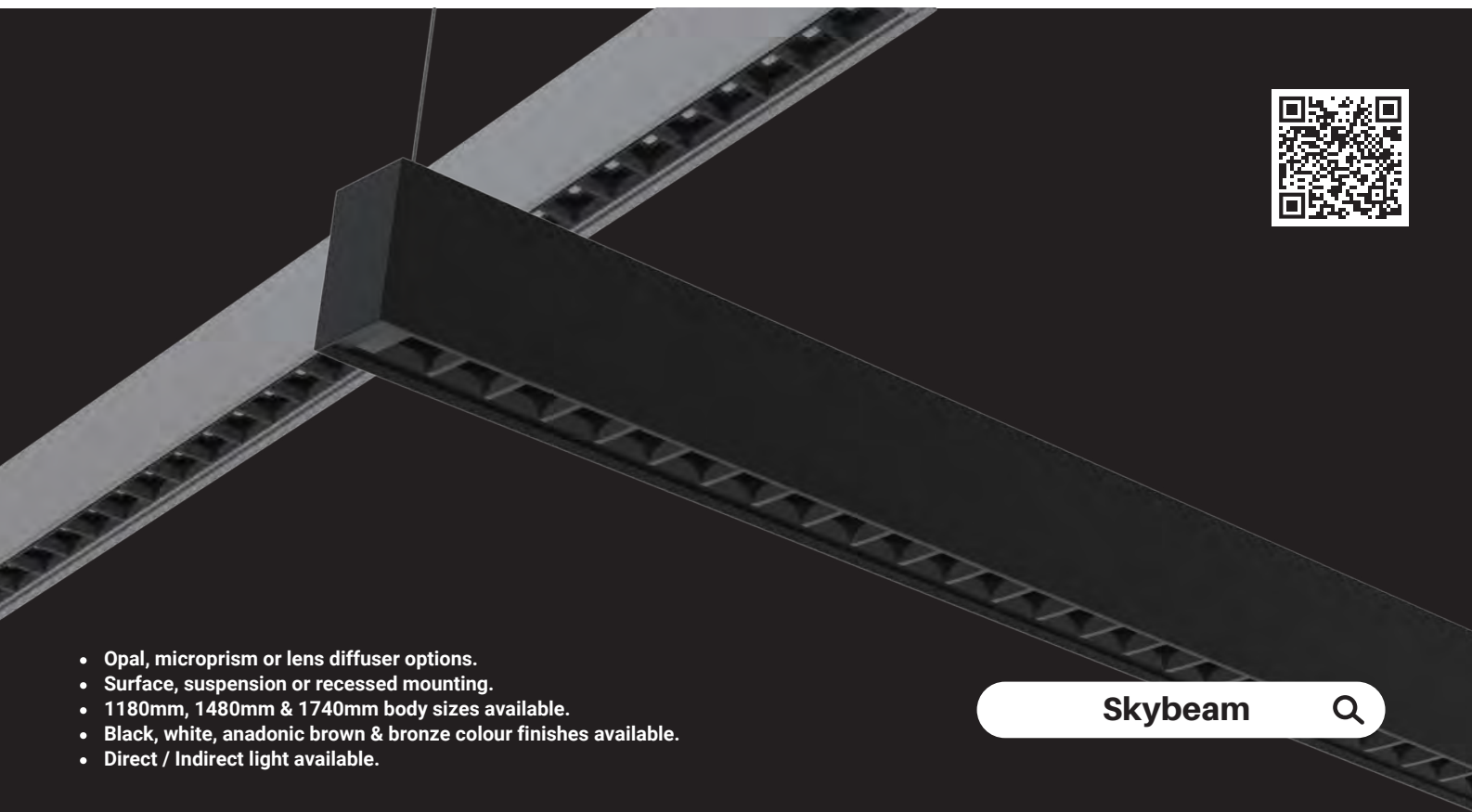
Image credit:
Nava Rapacchietta.

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Five-star lighting



Lucent Lighting helps to light the luxurious five-star MonAsty Thessaloniki Marriott Autograph Collection hotel in Thessaloniki, Greece.

The Marriot Autograph Collection welcomes its latest addition, MonAsty Thessaloniki. Located in the heart of Thessaloniki near to the iconic Aristotelous Square and Saint Theodora convent. This striking architecture was the inspiration for the hotel's identity and has been reflected throughout its design.

The key aim of the lighting design was to discreetly illuminate the architecture and interiors of the hotel, accenting the materiality of the surfaces while enhancing the atmosphere. Architectural design by D2C2 architects and DelBlu Architetti, with interior design by Not Another Number Architects, was incorporated with lighting design by Eleftheria Deko & Associates. The lighting designers selected products from Lucent Lighting's range to bring to light the ecclesiastical references and inspiration.

From the architecture to the natural colour palette and textures, the hotel is designed in a minimalist style. The guestrooms stand out with striking architecture, featuring unique fixtures and decorative touches which

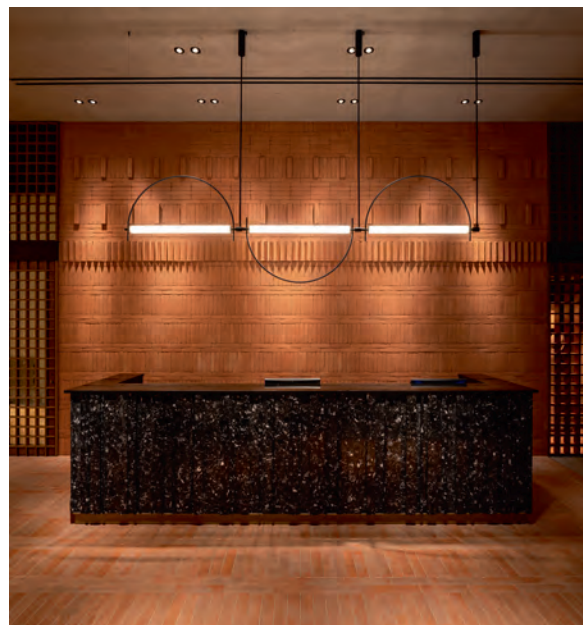
reflect its ecclesiastical inspiration. The subtle lighting illuminates the warm colours of the space to create a soft and welcoming ambience for guests.

Blending seamlessly into the ceiling design, Lucent's Edge90 Accent Trim downlight casts a discreet downwards glow while accenting intricate details. Lucent's Micro40 Disc round fixed miniature downlights are also implemented throughout public areas and guestrooms, with a black, anti-glare shield for a subtle radiance.

The lighting used creates several lighting layers throughout each space, creating varied moods and tones. The lighting shifts to warmer tones as the day progresses, transitioning from day to night to reflect an intimate atmosphere.

The lighting is controlled by an architectural lighting control system, providing low power consumption and flexibility for the hotel.

Lucent Lighting
+44 (0)20 8442 0880
www.lucent-lighting.com



Client: Michaniki Perivallontos.

Architect: D2C2 Architects & Engineers και οι DelBlu Architetti, Greece.

Lighting design: Eleftheria Deko & Associates, Greece.

Interior design: Not A Number Architects, Greece.

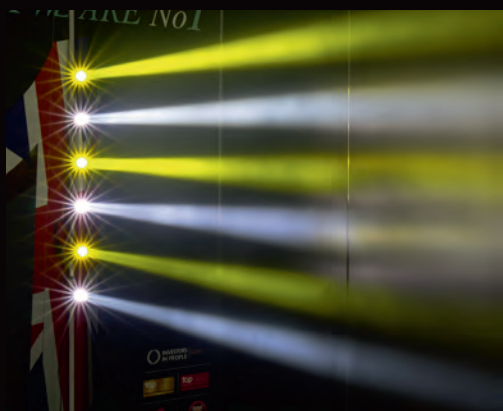
Photography: Gavriil Papadiotis/Archive: Eleftheria Deko.



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W-Lane

Luxury architectural and interior design company, Vivo Casa, has transformed W-Lane, a newly designed home, including the installation of a sophisticated, functional and elegant lighting scheme using smart technology from Rako Controls.

Given full rein to completely reconfigure the house, Vivo Casa stripped back walls and created brand new open spaces with a breathable atmosphere. These new areas required a tailored lighting design that could bring the vision to life and also work with the natural light now coming into the space.

The team knew they wanted a large statement lighting piece to complement the aesthetics within the open kitchen, dining and living space, however, limitations in ceiling height meant the fixtures could not include any hanging pendant features. As a result, Vivo Casa developed a grand flower design, with tiered circular petals as the central fixture within the home. High-end Italian lighting manufacturer, Nemo Studio created the fixtures, which incorporated DALI Dimmable drivers to create a dramatic yet functional effect.

Nas Adam, Owner of Vivo Casa, said, "Lighting is such a central part of creating the perfect architectural and interior design. I wouldn't have

been able to achieve cohesive lighting without Rako in this project. With the main focal point being the flower fixture, we needed to have fully controllable dimmers that could ensure the light wasn't overpowering and brought a good balance to the space."

Whilst automation was a necessity to achieve the desired lighting design, the client was initially reluctant to include this technology within their home, believing it to be too complicated to use. In its own showroom which is fully fitted with Rako, Vivo Casa was able to demonstrate to the client how flexible and simple the technology is to use. Through this session, the client requested for Rako's products to be included throughout.

With the entire house being renovated, it gave Vivo Casa the opportunity to install a completely hybrid wired and wireless lighting control system. By adding wireless controls to the system as well, the design team could incorporate added functionality and deliver a

unique and fun control system.

The interior design has been completed with a range of Rako EOS keypads, taking advantage of the different finishes and designs Rako offers to best suit the colour scheme. These user-friendly controls are complemented with the Rako app, which offers mood-changing and colour temperature as well as quick light control and the ability to turn the whole home on and off from anywhere in the world.

Peter Broome, Director at Rako Controls, concluded, "It is great to see Rako being used by Vivo Casa. Nas is an incredible designer, she completely understands lighting and how crucial it is to be able to control and design a lighting system for the function and design of a home. We are so pleased our controls can be utilised to fulfil the vision of this talented designer."

Rako Controls
+44 (0)1634 226666
www.rakocontrols.com

*Images courtesy of
 Vivo Casa. Supplied by
 Rako Controls.*

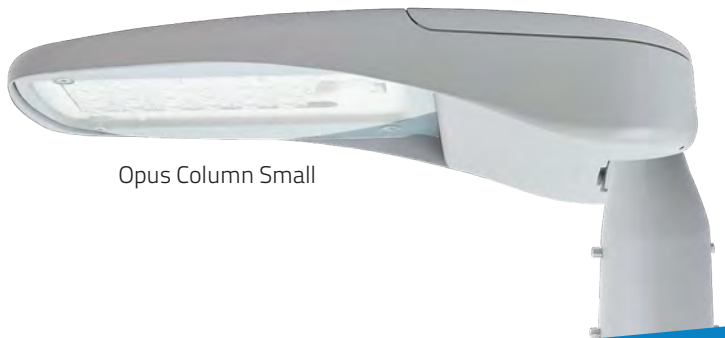
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Dexeco offer a wide range of exterior solutions including our Opus Column range, Typhon IP65 weatherproof, Opus Wallpack and Amenity ranges as well as a selection of luminaires suitable for use under canopy.

The transition from internal to external areas at the vehicle dock can be a challenging application given the safety concerns as well the high risk of damage from forklift trucks. The Dexeco Docklight offers a robust solution with a flexible arm helping to minimise the risk of damage by deflecting under impact, whilst the high output lensed LED effectively lights trailer interiors aiding safe and accurate operation of forklift trucks.



Opus Column Small



- ➔ All Dexeco external luminaires are available with a range of integral sensors offering presence detection, daylight regulation or dusk to dawn operation and offer simple adjustment of settings avoiding the expense of professional commissioning whilst substantially reducing energy costs.
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- ➔ All Dexeco luminaires are available with integral emergency using lithium batteries providing extended warranty and lifetime, reducing battery replacement cycles and further reducing the lifetime cost of ownership.
- ➔ Dexeco offer a complete logistics solution with a wide range of products for internal warehouse and ancillary areas, as well as a comprehensive service from design through to delivery and waste recycling.



Photometry made easy with an SSL Goniophotometer

What is Goniophotometry?

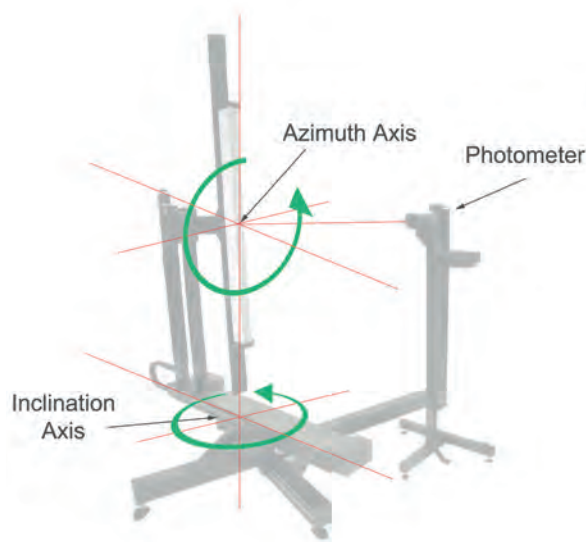
Photometry is the science of measuring the brightness of light sources as humans would rank them. The human eye has a characteristic spectral sensitivity such that we perceive green coloured light as much brighter than the same amount of light in the blue or red part of the spectrum. The relationship between wavelength in the 380-780nm visible light band and the perceived brightness of the light is defined by the CIE spectral luminous efficiency function for photopic vision, the so-called "photopic" response.

Goniophotometry is the measurement of luminous intensity emitted at different angles. One of the key reasons why goniophotometry is so important is for the purpose of creating "photometric data files.". A photometric file for a lamp or luminaire is a machine-readable data file containing a table of luminous intensity (candela) values for the light source as a function of angle, recorded over a hemisphere or a complete sphere. Photometric files are normally compiled into either of two industry-standard formats, IES (.ies) or EULUMDAT (.ldt). The photometric data for a light source can then be imported into lighting design software to simulate the level of illumination (in lux) and the beam pattern on a surface, helping to create lighting schemes without recourse to time consuming and expensive physical models.

Why choose an SSL Goniophotometer?

A goniophotometer serves two basic functions. Primarily, it records the angular luminous intensity from a lamp or luminaire in order to create the .ies or .ldt photometric data files required by lighting designers. Secondly, the summation of directional intensity yields the total luminous flux (lumens) from the light source, meaning that a goniometer can avoid the need for a separate integrating sphere.

Goniophotometers have traditionally been regarded as big and very expensive. For most types of solid-state lighting, compact benchtop systems are ideal. Pro-Lite's SSL range of affordable goniophotometers have been designed from the outset to be modular and adaptable. One SSL goniophotometer can be supplied configured for IES type C motion for testing architectural light fittings, and then easily reconfigured for type B motion that allows vehicle lighting, traffic signals or avionics lighting to be measured. This inherent versatility is underlined by an available burn position correction accessory that allows the goniometer to fully satisfy international standards (IES LM79, EN 13032-4 and CIE S025). For those interested in testing horticultural or UVGI (UVC) lighting products, a supplementary spectroradiometer can be added.



Above: A UNI 200 is an IES type C motion goniophotometer. This image shows the UNI 200 (top) with an illustration of the two motorised motion axes (below) together with the photometer position and a linear light fitting mounted on the goniometer frame.

For more information contact
Pro-Lite Technology Ltd on +44 (0)1234 436110
or visit www.pro-lite.co.uk

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Introducing SSL goniophotometers from Pro-Lite – a range of modular, affordable, professional-grade instruments that allow you to create a photometry lab in the comfort of your own workplace! One SSL goniophotometer can be adapted for testing architectural lighting products, road signs, marine and avionics lighting as well as vehicle lighting and headlamps.

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Pro-Lite provides a complete solution in photometry and light measurement. In addition to SSL goniophotometers, we supply Labsphere integrating spheres, Konica Minolta photometers and imaging photometers from Westboro Photonics.

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Ovia adds LED Wall Packs to its Floodlight range

A new addition to Ovia's floodlight range is Inceptor Murus – a range of LED Wall Packs with CTA Switch and a robust IK10 rated housing that makes them ideal in outdoor settings. The IP66-rated Inceptor Murus is available in 15W and 25W and in a choice of standard, photocell, and emergency versions. The photocell version can assist with energy saving by allowing the light to turn on and off at set lux levels.

Installation of the Murus is quick and easy due to the Push Fit/Piano Key Terminal Block and the floodlight can be Besa box or trunking mounted. All models include a CTA switch allowing the product to change colour temperature and is available in a choice of anthracite grey or light grey finish with a five-year warranty. Watch the video here – www.youtube.com/watch?v=PlD7osgl2N8.



MID Lighting

- +44 (0)1268 725086
- sales@midlighting.co.uk
- www.midlighting.co.uk

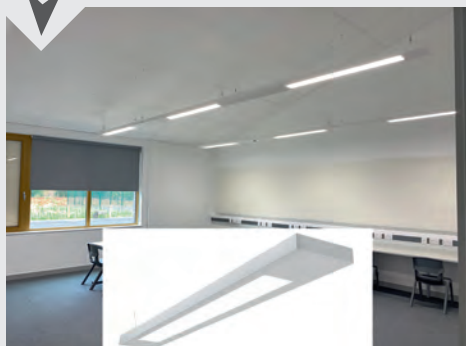
Space2X for North London school

MID Lighting's Space2X suspended luminaire was recently installed in the classrooms of a North London school.

The Space2X is a slim extruded luminaire which is available in modular or continuous lengths making it ideal for through wiring and the inclusion of presence and daylight sensors.

The luminaire can be supplied with a range of highly efficient optics including UGR Microprismatic and opal diffusers. A Direct/Indirect version is also available.

Control gear options include wireless, DALI and standard drivers. Emergency maintained, Self Test, Addressable and Wireless can also be supplied.



Pharos Architectural Controls

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Lighting Workshops: Quantifying Sustainable Resilience

Wednesday 21st June 2023 at Wallacespace, London, WC1H 9PN

A new series of workshops on how to calculate circular and carbon metrics for lighting products. The educational event explores the latest guidelines, standards, and legislation, Life Cycle Assessments and associated metrics. The focus is on practical delivery of TM66 and TM65.

Why attend?

"Simon Fisher and Recolight provided a superb CPD workshop explaining and unravelling the complexities of the circular economy from the perspective of designers and manufacturers. Interactive and informative; this is knowledge sharing at its finest," said Jago Wickers from LUMINO.



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Non-corrosive battens from Knightsbridge provide performance

Torlan LED battens from Knightsbridge provide a non-corrosive, energy efficient and high performance lighting solution for a wide range of applications ranging from residential to agricultural and industrial.

Bodies and diffusers are impact-resistant, non-corrosive polycarbonate with stainless steel, and with ceiling and end conduit fixings.

TorlanComm comes CCT adjustable and Digital Addressable Lighting Interface (DALI) CCT versions. Self-test emergency, microwave and microwave self-test emergency options are also available. Colour temperatures offered are 3000K, 4000K and 5700K.

For environments that demand dust and watertight, impact-resistant lighting, TorlanPro offers fast-fit electrical connection, easy operation and high levels of illumination. For suspension use, it is IP69K waterproof and impact-resistant to IK08. TorlanEco is a cost-effective IP65 and IK06 rated budget LED batten.



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7inch 800x400 pixel
LCD screen



DALI emergency lighting control and testing from meshed single or multiple panels and luminaires.

SurePathBLE is an advanced ‘wireless’ emergency lighting test system, providing fully interoperable DALI monitoring, testing and reporting to BSEN 62034 using a Bluetooth® Low Energy (BLE) mesh.

The (BLE) mesh enables wireless communication luminaire to luminaire and back to panel. Each SurePathBLE panel is a transmitter/receiver capable of addressing up to 128 devices/luminaires. All SurePath system luminaires are equipped with our latest BLE/DALI Gateway transmitter/reciever modules.

SurePath BLE system simplicity provides user assurance that the emergency lighting installation is being routinely monitored and tested in accordance with BSEN 50172.

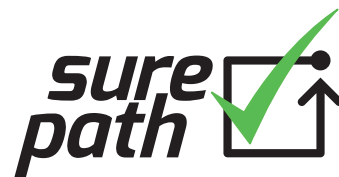
For large installations multiple SurePathBLE panels can be seamlessly networked using ELP SureLink software, and commissioning assisted using the SurePath Android App.

Fully interoperable with all DALI approved emergency lighting equipment

- Full WiFi ‘meshed’ system connectivity
- Bluetooth/DALI gateway
- Password protected active functions
- Intuitive, easy-to-use operation
- Commissioning data entered via the touch screen, USB dongle or SureLink software
- Devices addressed individually, by ‘BUS’ or by ‘Group’
- Automatically finds replacement devices during maintenance
- Automatic status notifications are logged in SurePath’s non-volatile memory and downloaded by USB or SureLink software
- BSEN62034 and BSEN50172 compliant
- IoT-ready



SurePathBLE panels can be recessed or surface mounted



Emergency Lighting Products Limited

Parbrook House, Gilmans Industrial Estate, Billingshurst, West Sussex, RH14 9EZ

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www.elp.uk.com



Ansell Lighting

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- sales@anselluk.com
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Powerful and built to last, Telic is a brand-new floodlight from Ansell Lighting

Featuring a modern and sleek design, the stylish black lamp is available in three different sizes, ideal for a range of outdoor settings. Reinforced by a six-year warranty, Telic is a robust fitting with IP65 and IK06 ratings. Die-cast constructed, it features a heat sink design, ensuring optimal LED life and thermal performance and has an integrated breathable gland to prevent internal moisture accumulation.

CCT selectable between 3000K, 4000K and 6000K, Telic provides users with a choice of non-dimmable lighting hues. A plug and play PIR accessory is also available, which can be added to the fitting to provide motion sensor functionality.



Carlo Gavazzi

- +44 (0)1276 854110
- info@carlogavazzi.co.uk
- www.carlogavazzi.co.uk

DLI-MCG024 DALI-2 Sub Master

Carlo Gavazzi's DLI-MCG024 DALI-2 Sub Master supports the management of a complete DALI-2 network and input devices such as switches, dimmers and ballasts which is then easily integrated into the BEMS for intelligent monitoring and control of all building services.

Up to 20 DLI-MCG024's can be connected to Carlo Gavazzi's UWP 4.0, each DALI-2 sub master can control up to 128 DALI-2 items. Lighting control functions are easily performed including switching, dimming, scenarios, calendars, constant light and white balance.

The UWP 4.0 provides easy integration of the DALI-2 network into BEMS systems via BACnet or Modbus/TCP to manage the whole lighting control system by via its powerful and user-friendly web interface.

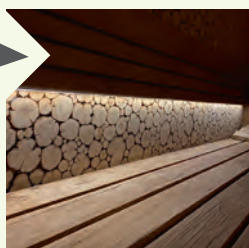


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Ultra-High Temperature LED Strip (Max. 100° C)

This 3030 type LED strip is a top view flexible linear lighting solution for high temperature environments such as saunas. The strip LED can withstand ambient temperatures of up to 100° C and has been tested rigorously in order to ensure a long product life at peak performance. The product is available in two power outputs of either 4.8W per metre or 9.6W per metre and the strip is housed inside an IP67 or IP68 silicone casing which provides a high water resistance. Our Ultra-high Temperature Strip LED is available in numerous colour temperatures from 2700K through to 6300K.



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- www.espuk.com

GuardCam Deco – the smart security floodlight system

GuardCam Deco is a combined Wi-Fi security camera and LED floodlight system which includes the option for remote monitoring via smartphone or tablet, using ESP's specially developed GuardCam Deco APP.

With a built-in camera that offers full 1080p HD live viewing and recording, the GuardCam Deco is the perfect all in one solution for domestic, commercial or industrial applications.

On approaching the unit, GuardCam Deco will detect the intruder with proven PIR technology at a distance of up to 10 metres from the unit. It will floodlight the area, initiate a video recording and provide the user with an option to deliver a two-way audio message or activate the inbuilt alarm warning.



Sylvania Lighting

- +44 (0)800 440 2478
- info.uk@sylvania-lighting.com
- www.sylvania-lighting.com

Sylvania Lighting wins Red Dot Design Award for the Concord Equinox LED Downlight

Sylvania Lighting has been awarded with the Red Dot Design Award 2023 in the Lighting Design category for its innovative Concord Equinox LED downlight. The product's unique design redefines the current standards for LED downlights, with no central visible light source, allowing the user to experience the effect and not the impact of the luminaire. The Concord Equinox brings innovation, flexibility, and style together, and offers any environment a highly modern and stylish appearance due to its halo effect. The Red Dot Design Award is one of the most sought-after design competitions in the world with more than 20,000 entries per year.



DANLERS

Controls for Lighting & HVAC

DANLERS are launching a NEW range of Smart PIR sensors with a quick and easy set-up using DANLERS' own easy-to-use FREE APP, available on both Android & iOS.



These Smart PIR (passive infra-red) person detectors with built-in photocells are ideal for energy-saving automatic lighting control. Remotely programmable (with security options) via the APP, product settings can be adjusted easily and at your convenience, saving on commissioning costs too!

Optimal lighting levels and occupancy timeouts can be achieved simply and quickly, without having to manually adjust each sensor after it has been installed, and without the complications associated with some building management systems.

The NEW ISI range includes 'switching only' versions and versions with dimming compatibilities via DALI or 0-10V dimming ballasts, with the ability to have set-back light levels and fade-time control between each level (ballast type is specific to model).

These products are easily upgradeable via over-the-air updates for extra features such as grouping and asset tracking.

The range includes:

Ceiling flush ISI Smart PIR sensors

Ceiling flush ISI Smart PIR sensors which are neat and unobtrusive for flush mounting into false or plasterboard ceilings. Maximum detection of 7m at 2.4m mounting height.

Order codes: **ISI-CEFLSW** (Switching only, up to 6A LED, up to 10A resistive)
ISI-CEFLDALI (Daylight linked dimming control up to 8 ballasts)
ISI-CEFL10V (Daylight linked dimming control up to 20 ballasts)



Ceiling surface ISI Smart PIR sensors

Ceiling surface ISI Smart PIR sensors for mounting directly onto solid ceilings or onto a range of different mounting boxes. Maximum detection of 7m at 2.4m mounting height.

Order codes: **ISI-CESRSW** (Switching only, up to 6A LED, up to 10A resistive)
ISI-CESRDALI (Daylight linked dimming control up to 8 ballasts)
ISI-CESR10V (Daylight linked dimming control up to 20 ballasts)



High Bay ISI Smart PIR sensors

High Bay ISI Smart PIR sensors for mounting directly onto solid ceilings or onto a range of different mounting boxes. All high bay controls are available in 3 detection pattern options: Narrow detection (ND), Spot detection (SP) and Wide detection (WD).

Order codes: **ISI-HBND SW, ISI-HBSP SW, ISI-HBWD SW** (Switching only, up to 6A LED, up to 10A resistive)
ISI-HBND DALI, ISI-HBSP DALI, ISI-HBWD DALI (Daylight linked dimming control up to 8 ballasts)
ISI-HBND 10V, ISI-HBSP 10V, ISI-HBWD 10V (Daylight linked dimming control up to 20 ballasts)



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Ideal candidates must have at least 2 years' experience in the lighting design industry. Although not essential, a lighting qualification would be preferred, along with a passion for design. You will be proficient in AutoCAD, Photoshop, InDesign and MS Office. Knowledge of Revit would be an advantage. You will be motivated, enthusiastic and able to thrive under pressure.

To apply, please send your CV and portfolio to recruitment@ldi-uk.com. Please state which position you are applying for in the subject line.

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Ranfield's Brasserie, Coggeshall

Inspired by French-style dining, the 2AA rosette Ranfield's Brasserie in the quaint town of Coggeshall in Essex is a real gem.

Located on Stoneham Street in the heart of the town opposite Coggeshall's historic Clock House and Clock Tower, the exterior of Ranfield's Brasserie is decorated with beautiful blooms, a stylish awning and outdoor seating giving a nod to the French dining culture it is influenced by.

Taking over the reins of the Brasserie in 2015, which was previously known as Baumann's Brasserie, is award-winning Head Chef JB Ranfield who has continued on the ethos of the previous owners of good food, good drink and a good atmosphere.

On arrival, we were greeted by a friendly waitress who welcomed us to the Brasserie and took us to our table which was laid out with a crisp white tablecloth. Full of character, the Brasserie's walls are adorned with art and charming decor. The atmosphere was relaxed yet professional with attentive staff, making for a perfect dining experience for all occasions.



The general consensus from the table was "some of the best food we have had in a long time" which speaks volumes.



where to dine

As we browsed the menu while sipping on our delightful drinks – I opted for a light rosé from the impressive wine list - we were presented with an amuse-bouche in the form of a mini smoked salmon ice cream cone to get our tastebuds warmed up.

The à la carte menu offers a range of classic dishes with a twist, including mussels and clams Puttanesca, seared ribeye of beef, chicken and mushroom Ballotine, miso and sesame rubbed pork belly, as well as fresh fish specials of the day. Also available is a vegetarian menu which looked equally as delicious.

Spoilt for choice, we all ordered different dishes, a mixture of meat and fish, and had a taster of each. From the starters through to the desserts, every single dish, even down to the

side of glazed carrots, surpassed our expectations. The general consensus from the table was "some of the best food we have had in a long time" which speaks volumes. Cooked to perfection and with generous portion sizes, we certainly did not go hungry!

I can confidently say I will be returning to Ranfield's Brasserie in the very near future to enjoy more of the delicious menu, knowing that whatever I order is going to be of a high standard with good service and a good atmosphere. 

Written by Abbie Rossington.

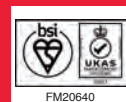
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Images courtesy of Ranfield's Brasserie.



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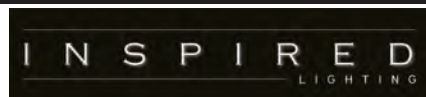
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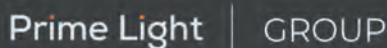
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Is the time ripe for human centric lighting in the UK?



David Hunt, Managing Director of Glamox Luxonic, part of the Glamox Group of lighting companies, talks to A1 Lighting about the benefits of human centric lighting (HCL) in commercial buildings.

To date, human centric lighting (HCL) has had limited success in the UK. But is the commercial property market, at last, moving in its favour and how could the nation benefit?

The technology, which mimics daylight that governs our bodily functions, is known to enhance people's performance, comfort, and wellbeing. The Nordics lead the way in HCL where it is commonplace for it to be specified in tenders for hospitals and nursing homes. But are the circumstances right for it to catch on in the UK? Well, perhaps unwittingly, the commercial property market is already laying the foundations for this transformative technology.

A wave of retrofit LED projects sweeping the country is being driven by the need to make energy savings and regulations phasing out fluorescent lighting. One consequence is the increased adoption of lighting control systems which, together with LED lighting, can reduce electricity use by up to 90 percent compared with conventional lighting. Control systems can also be used to manage tuneable luminaires

and programmed to support people's natural sleep-wake cycles. HCL, once a luxury, is now an inexpensive add-on.

There's also a shift to buildings that have people's health and wellness at the centre of their design, with the WELL Building Standard gaining momentum. HCL is an intrinsic component given that light and wellbeing are synonymous.

What if I told you that HCL could save the UK hundreds of millions of pounds a year through improved productivity, fewer sick days, and better patient care?

Most US property managers know of the 3-30-300 rule – that yearly, for every square foot of office space, a company spends on average around \$3 on utilities, \$30 for rent, and \$300 on payroll. While switching to LED helps lower utility bills, the biggest cost is people.

Studies by the University College London, and VU Amsterdam and the University of Twente revealed that circadian lighting helped to boost people's productivity by 20 percent and 12 percent respectively. Employees also reported that they had more energy and felt happier. While figures vary, programming light

levels and spectra to mimic daylight has the potential to make a huge difference to the nation's bottom line. While HCL won't cure our productivity woes, it could be part of the solution.

When it comes to cures, hospitals are under increasing pressure to free-up beds. Once again, HCL could help. The length of stay for patients with a better source of daylight has shown to be shorter. Also, sleep is one of the most effective aids for patient recovery. HCL, by matching the sleep-wake cycle and suppressing blue-light levels in the evening, can help patients to sleep better.

I'm not suggesting that HCL is a silver bullet to patient recovery and productivity issues. It ought to be part of the solution though. I believe that enterprises and local authorities have an opportunity to grasp and that the adoption of HCL in offices, hospitals, and care homes would serve the nation's health, wellbeing, and bottom line.

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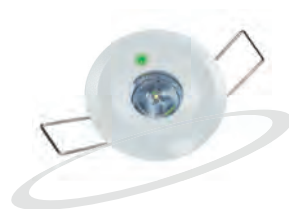
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