



TRILUX AKADEMIE

**TRAINING
FOR LIGHTING
PROFESSIONALS**

2021 – 2022

AN INTRODUCTION

Welcome to the TRILUX Akademie

All lighting professionals can now benefit from the international success of the TRILUX Akademie.

Providing knowledge, reducing complexity and establishing expertise is the aim of the TRILUX Akademie. The demands of lighting solutions are increasingly complex with the rapid advancement in LED technology, including ever more diverse and specific applications, higher energy efficiency requirements, new regulations, as well as increased customisation.

Light has become intelligent, activating, relaxing or transformative, and the latest specialist knowledge is vital to optimise the possibilities created by new products and applications. With an up-to-date CPD seminar menu, practical training days, webinars and theme days, we can support you in finding your way in the world of light, whether virtual or face-to-face.

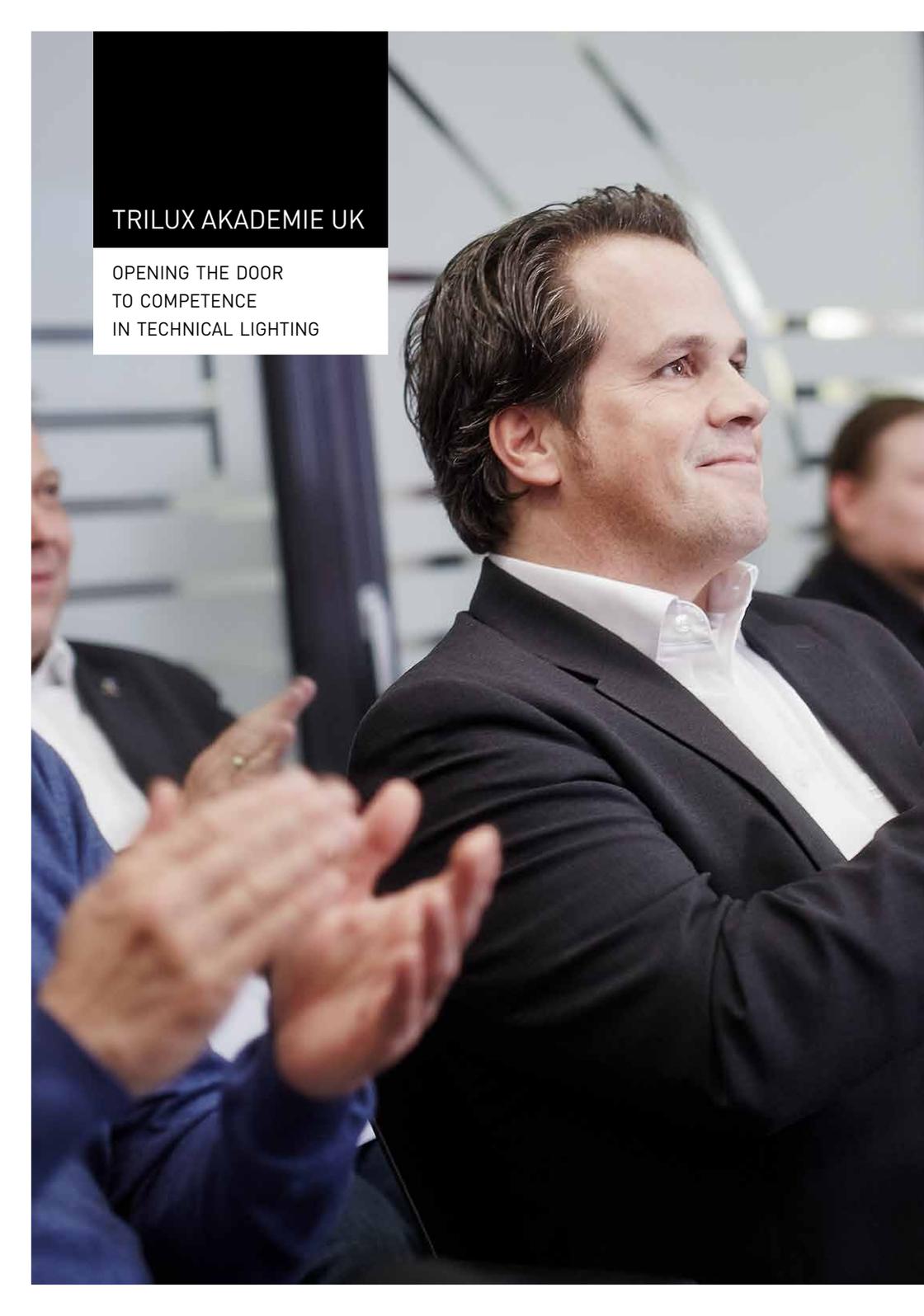
Our training is designed for architects and designers, electrical consultants and contractors and everyone concerned in a professional way with light, with the aim of simplifying your daily work. All those evaluating, operating, purchasing and using lighting systems as a profession will benefit from our practical training programme. In addition, the TRILUX Akademie is the perfect forum for networking between specialists and colleagues.

Is there something missing from our existing programme that you would like to learn more about? Simply contact us – we'd be glad to expand our offering.

We look forward to seeing you!



Helen Loomes
Head of Akademie
TRILUX LIGHTING LTD UK



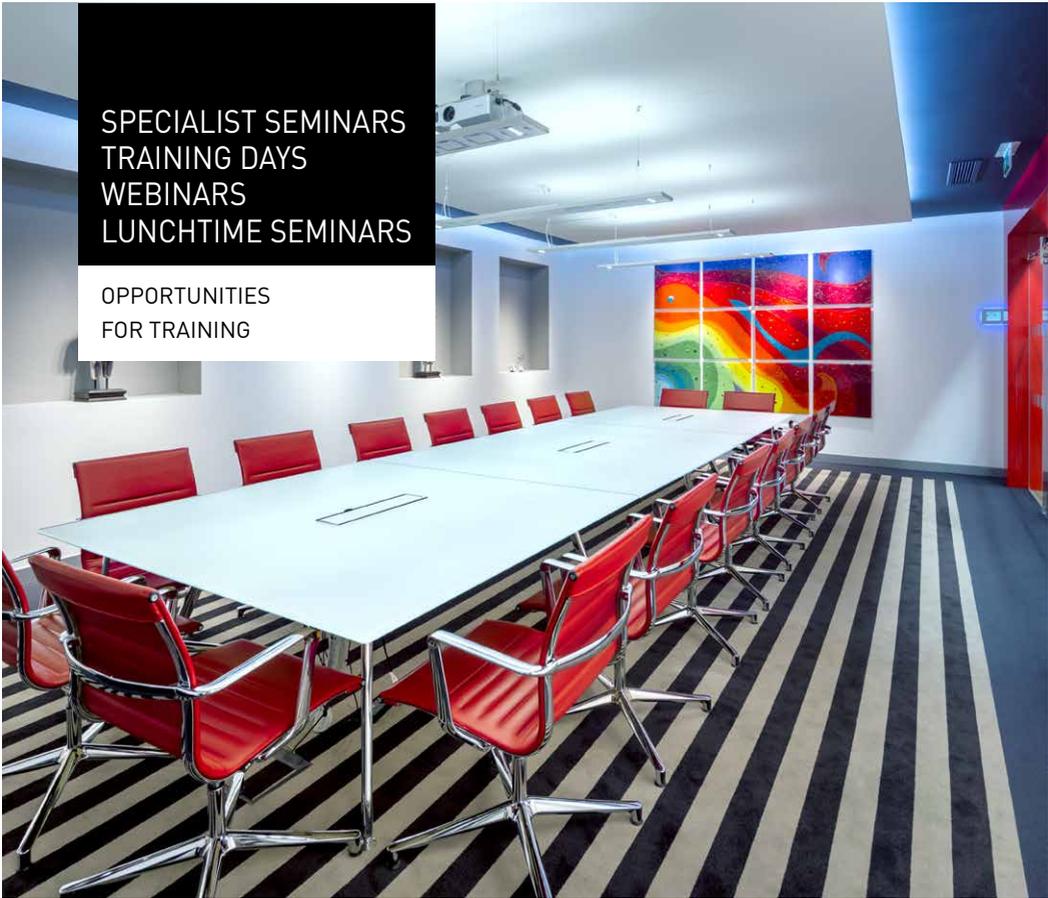
TRILUX AKADEMIE UK

OPENING THE DOOR
TO COMPETENCE
IN TECHNICAL LIGHTING



The training programme offered by TRILUX Akademie UK is aimed at architects, lighting designers, contractors, facilities managers and all qualified personnel in the lighting industry.

Our goal is to simplify your daily work and improve your efficiency.



SPECIALIST SEMINARS
TRAINING DAYS
WEBINARS
LUNCHTIME SEMINARS

OPPORTUNITIES
FOR TRAINING



Specialist Seminars

How do you best gain an overview and detailed insights into a complex specialist theme? With the TRILUX Seminars. These offer participants a complete view of a specific technical subject or trending topic in one day and communicate valuable, compact expertise.

During this day, experts offer intensive and perhaps controversial insights from various angles, and there's enough time after each expert lecture for discussions and the exchange of information. The mixed groups of participants from diverse professional backgrounds make the seminars the perfect platform for networking amongst colleagues – and for looking beyond your own horizon.



Training days

Highly practical know-how direct from the experts – TRILUX Akademie training days focus primarily on providing you with optimum support for any challenge. Training days are carried out by specialists with many years of professional experience, communicating their knowledge in a comprehensible and practical way.

The exchange of information, discussions and interactivity are focused on achieving optimum learning and training effects. The small group sizes, usually 10 to 15 participants, ensure individual supervision and a good working atmosphere.



Webinars/Webcasts

Education and training conveniently from your home office or workplace: online seminars by TRILUX Akademie are not only highly convenient but also reduce effort in terms of travel, time and costs. Participants are trained in virtual seminar rooms on the latest light and lighting themes, in less than one hour.

We are now utilising online learning in several formats: our popular webinars will continue as an interactive platform giving the opportunity for participants to ask real-time questions and receive answers from our experts; however we will also provide this information on-demand in the form of videos on our YouTube Channel; then we will also broadcast these videos at a published time to enable an interactive forum at the end, once again giving the opportunity for questions.



Lunchtime Seminars (CPD)

The latest lighting knowledge for your employees: we'd be glad to individually organise CPD seminars on-site at your company. These seminars are hosted by highly qualified technical experts trained for teaching. They usually take one hour, are free, and all participants are given a CPD certificate.



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| Target group | Designers, Engineers and Installers who plan and install modern light management systems. |
| Number of participants | Maximum of 15 |
| Learning aim | In a mix of lecture and workshop you will gain fundamental knowledge about modern light management, and become familiar with the possibilities of practical planning and implementation of light management systems. |
| Contents | <ul style="list-style-type: none"> • Why light management? <ul style="list-style-type: none"> – Efficiency: energy saving with light management – Comfort: Human Centric Lighting and control needs • Fundamental knowledge: <ul style="list-style-type: none"> – Principles: daylight control, scenes and presence detection – Sensor technology: which sensor for what purpose? <ul style="list-style-type: none"> – What is DALI? • Planning and implementation: light management in various applications • Overview: current technologies and concepts • Practical example: LiveLink – how light management becomes simple at last |
| Certificate | Participation certificate |



Booking number:
SEUK0601

Additional benefits:
Includes catering and training documents



www.trilux-akademie.com/SEUK0601

Dates/locations and registrations at www.trilux-akademie.com

HOW TO PLAN CONTINUOUS LINE



Target group Lighting Designers, Architects, Sustainability Managers, Consulting Engineers

Number of participants Maximum of 10

Learning aim In this workshop we will learn why and when to use which option, ease of installation, flexibility, how to put together the most cost-effective system and lots of tricks that make life simple. Looking at things in a practical, hands-on way will help with a deeper understanding both of the product and the online tools configurator. Under the guidance of our inhouse expert you will be able to personalise which aspects you need to understand and gain his insight for future possibilities and applications.

Contents

- Evaluation of system types and advantages
- Overview of all components and how to configure
- Use of configuration tools
- Practical, hands-on assembly of a common example
- Unusual solutions and uses

Certificate Participation certificate

Registrations and further locations/dates at www.trilux-akademie.com



Training day

Booking number:
SEUK0403

Additional benefits:
Includes catering and training documents



www.trilux-akademie.com/SEUK0403



| | |
|-------------------------------|---|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors and Facility Managers |
| Number of participants | Maximum of 10 |
| Learning aim | You will learn the essential basics of planning indoor lighting systems using DIALux 4.13 planning software. Utilising easy-to-follow practical examples and exercises, our DIALux trainer will provide you with a sound understanding of the software during this seminar. |
| Contents | <ul style="list-style-type: none">• User interface and an understanding of the software settings• Importing AutoCAD files• Spatial construction• Selection and positioning of luminaires• Understanding of the calculation measuring tools and terminology• Simple form of visualisation• Scene setting and controls simulation• Emergency lighting• Exporting AutoCAD layouts• Produce meaningful calculation reports• Preview demonstration of DIALux evo |
| Certificate | Participation certificate |

Registrations and further locations/dates at www.trilux-akademie.com



Training day

Booking number:
SEUK0105

Additional benefits:
Includes catering and training documents



www.trilux-akademie.com/SEUK0105



Target group Architects and Lighting Planners
(also beginners and planners in industrial trades)

Number of participants Maximum of 10

Learning aim Utilising easy-to-follow practical examples and exercises, our Relux trainer will provide you with a sound understanding of the ReluxPro planning software during this seminar.

Contents

- Introduction to Relux
- User interface and basic settings
- Selection of luminaires
- Positioning of luminaires in Relux
- Creating interior layout
- EasyLux (Quick calculation tool)
- Importing CAD plans
- Create external layout
- Emergency Lighting
- Exporting and outputs

Certificate Participation certificate

Registrations and further locations/dates at www.trilux-akademie.com



Booking number:
SEUK0101

Additional benefits:
Includes catering and training documents



www.trilux-akademie.com/SEUK0101

WEBINARS

FLEXIBLE OPPORTUNITIES
FOR LEARNING



Webinars

Log in from the convenience of your own desk to update yourself on current topics being discussed within the lighting industry. Join in the debate with our lighting experts to create a virtual dialogue, or it is possible to submit subsequent questions and points of interest with the Akademie team who will be pleased to provide answers where possible.

In 2021 these topics will be available on-demand on the TRILUX YouTube Channel
<https://www.youtube.com/playlist?list=PLYtnhMbU7xSlS-lA5adZK70qw8S1u1mG4>

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| Duration | approx. 30 - 45 mins |
| Location | The webinar is live at your own desk. |
| Technical preconditions | You need Internet access, telephone or VoIP (microphone and loudspeaker or headset). |

WELL BUILDING STANDARD V2

The bar is being raised in the built environment. For all new buildings having a recognised measure of sustainability or energy efficiency is essential, and is also a good marketing tool for the letting agent, the added attraction of supporting human health is gaining ground. In an increasingly competitive labour market, employee retention has become a strong focus for businesses, and organisations are recognising that their staff are a prime asset that should be cared for. The WELL Building Standard, the world's first building certification that focuses exclusively on human health and wellness, is looking beyond carbon reduction and energy efficiency. In this webinar we explore the new version and how it differs from the previous one.

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| Target group | Architects, Landscape Architects, Electrical Consultants, Engineers & Lighting Designers |
| Contents | <ul style="list-style-type: none">• Setting light levels to balance of ambient and task illumination• Circadian lighting design and the impact of melanopic light• How to calculate Melanopic Lux• How to ensure good colour quality to support visual acuity and accurate rendering of colour tones• User education – is now a requirement to reflect the importance of the full 24 hours• Surface design – Utilising higher surface & contrast glare |



Webinar

Booking number:
WEUK0701



[www.trilux-akademie.com/
WEUK0701](http://www.trilux-akademie.com/WEUK0701)

INDOOR | OUTDOOR – LIGHT AROUND THE BUILDING

In this webinar we will introduce you to light planning considerations for “Light Around the Building” which will allow you not only to emphasize architecture, but also to take into account aspects from personal safety to application specific requirements.

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| Target group | Lighting Designers, Architects, Sustainability Managers, Consulting Engineers |
| Contents | <ul style="list-style-type: none">• An introduction to Light Around the Building• Overview of Planning considerations• Making an impact with Facade and Entrance area lighting• How to light focal objects and bring out detail• Pathway lighting and safety• Energy saving vs security at night• An Introduction to Multi Lens Technology |



Webinar

Booking number:
WEUK0201



[www.trilux-akademie.com/
WEUK0201](http://www.trilux-akademie.com/WEUK0201)

CIRCULAR ECONOMY – A MOVE TOWARDS SUSTAINABILITY

The aim of this webinar is to understand the impact of lighting on our finite resources and to look at a new way to re-use valuable commodities and materials. This has an impact on the ownership of products and the subsequent responsibility of re-using and re-cycling. The ultimate aim of a circular economy is to reduce waste by 100%.

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| Target group | Lighting Designers, Architects, Sustainability Managers, Consulting Engineers |
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|-----------------|---|
| Contents | <ul style="list-style-type: none">• A look at trends in various sectors of industry and the direction this gives to lighting• Leading to a sustainable approach to our built environment and also thinking about how we will react in the future• Well thought out design at the manufacturing stage, both in product design, lighting design, maximising energy consumption and using it wisely• How do we measure the carbon footprint – Resource Passport• A different financing model – pay per use• Responsibility – who should hold this?• Case study of a completed project in the Netherlands |
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Webinar

**Booking number:
WEUK0602**



[www.trilux-akademie.com/
WEUK0602](http://www.trilux-akademie.com/WEUK0602)

HCL 2.0 – LIGHTING TO SUPPORT CIRCADIAN RHYTHMS

There has been a lot of controversy in the lighting industry about using the term Human Centric Lighting to mean active or dynamic lighting i.e. colour temperature changes and lux level changes. The good lighting designers say that they have always focused their designs on the human and their needs. So rather than focusing on just one aspect of lighting we need to bring everything back into perspective and look at the totality of lighting requirements, including biological, non-visual and emotional responses. The human needs to be put first, now is the time to re-brand lighting.

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|---------------------|---|
| Target group | Architects, Electrical Consultants, Facility Managers |
|---------------------|---|

| | |
|-----------------|---|
| Contents | <ul style="list-style-type: none">• The psychological element• The feel good factor of daylight• Energy efficiency versus quality• The biological element – visual and non-visual• Getting the basics right |
|-----------------|---|



Webinar

**Booking number:
WEUK0702**



[www.trilux-akademie.com/
WEUK0702](http://www.trilux-akademie.com/WEUK0702)

HCL – THE FUTURE OF LIGHT IN THE RETAIL TRADE

Human Centric Lighting has been well researched to date, but scientific findings are still lacking for the retail sector.

Oktalite as the TRILUX lighting specialist for the retail trade wants to close this gap. To study the effect of light on people, a case study was conducted at two EDEKA supermarkets in Lower Saxony over a total period of ten months with 329 customers and 39 employees.

The study compared a supermarket with a dynamic HCL lighting concept to a reference store with static LED lighting. Both stores were surveyed 3 times during the period with regard to well-being, satisfaction and perception of the atmosphere following the course of the day. At the same time data was collected on sales development, time spent in the store, sick leave of the staff and key light-related parameters.

Join us for this webinar to discover the effect this had on turnover, levels of service and atmosphere, and also the consequences for staff relating to absenteeism, daytime sleepiness, well-being and sleep quality.



Webinar

**Booking number:
WEUK0706**



[www.trilux-akademie.com/
WEUK0706](http://www.trilux-akademie.com/WEUK0706)

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| Target group | Retail, Industry, Commerce, Lighting Designers |
|---------------------|--|

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|-----------------|---|
| Contents | <ul style="list-style-type: none">• Parameters of the research project• Findings and results in detail• Understanding behind these statistics• A glimpse into the future of retail |
|-----------------|---|

CARPARK LIGHTING – LIGHT THAT IS ALWAYS A STEP AHEAD

The future for lighting car parks is intelligent and reactive. Light can always be a step ahead if operated hand in hand with swarm intelligence. Implementing running light results in significantly lower energy costs, increased lighting comfort and an improved visual environment. In this webinar we will explore the techniques that can be utilised ranging from a basic presence control through to full intelligent interactive systems.



Webinar

**Booking number:
WEUK0502**



[www.trilux-akademie.com/
WEUK0502](http://www.trilux-akademie.com/WEUK0502)

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|---------------------|---|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, Facility Managers, Developers & End User, Landscape Architects |
|---------------------|---|

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|-----------------|--|
| Contents | <ul style="list-style-type: none">• Understanding the unique requirements of car parks• How to implement the lighting control scheme• Simple explanation of the commissioning process• Introduction to full managed services, what is available now and looking into the future |
|-----------------|--|

LIGHT QUALITY – TM30 EXPLAINED

Daylight is our ultimate reference point for good lighting that reveals all aspects of our surroundings. Up until now artificial light sources have always compromised in one area or another. Now the technology is available for huge improvements – but are we well informed enough to understand and use this progress? In this webinar we explain the points to look out for and the new metrics to convey our requirements. Do not just accept what has become the “norm” push for better quality and great lighting.

| | |
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| Target group | Lighting Designers, Architects, Consulting Engineers |
| Contents | <ul style="list-style-type: none">• Understanding colour, CRI and TM30 explained• Variation in light and shade• Accent light and how to use it• Glare control• Flicker explained |

SMART SOLUTIONS – INTELLIGENCE BEYOND LIGHTING

Our buildings are full of electrical connections to provide light. This is a happy coincidence that can now be utilised to transmit data – but what does this mean in practical terms? Apart from using energy wisely these systems can provide information of the use of a space, especially useful now that we need to reduce occupancy of rooms to limit the transmittance of viruses, they can give feedback on the quality of air, or even the most efficient use of storage in a warehouse. Data is the the new “black gold”. In this webinar we look at some of the possibilities.

| | |
|---------------------|---|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, FM’s and End Users |
| Contents | <ul style="list-style-type: none">• Digital services• Cloud enabled• Technical services• Project management• Meet the doorman SAM |



Booking number:
WEUK0503



[www.trilux-akademie.com/
WEUK0503](http://www.trilux-akademie.com/WEUK0503)



Booking number:
WEUK0603



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WEUK0603](http://www.trilux-akademie.com/WEUK0603)

SUSTAINABILITY – A GLOBAL APPROACH TO MANUFACTURING AND RESPONSIBLE USE OF RESOURCES

Our responsibility to the planet is an urgent focus for all of us. Within a manufacturing environment we naturally use resources but this can be done in a way that is sustainable and the resulting new products can effectively save energy compared to older ones. The balance of the equation of many parameters is complex. At TRILUX we have looked at hundreds of different aspects and the debate on the best path for the future goes on. Here we would like to share some of the knowledge we have gained and also the measures we have taken so far.

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|---------------------|---|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, Facility Managers, Developers & End Users |
| Contents | <ul style="list-style-type: none">• What is the reality?• Best practise that might be surprising• Evaluation methods• Modular design |



Booking number:
WEUK0604



[www.trilux-akademie.com/
WEUK0604](http://www.trilux-akademie.com/WEUK0604)

A NEW LEASE OF LIGHT – PROCUREMENT MODELS AND THE IMPACT ON SUSTAINABILITY

The debate about procurement of lighting has been around for a long time but the atmosphere has changed recently with the understanding that there could be hidden benefits for the long term sustainability of lighting. We now have a few real projects that can be analysed and these will lead us to even more options about the ownership of lighting. The real benefits come at the end of life, if the manufacturer has a stake in project they will be onhand to ensure re-use in more cases and have an influence on where the valuable asset will continue its journey.

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| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, FM's and End Users |
| Contents | <ul style="list-style-type: none">• Financing• Leasing• Pay per use• Variations in contract• End of Life options |



Booking number:
WEUK0605



[www.trilux-akademie.com/
WEUK0605](http://www.trilux-akademie.com/WEUK0605)

NEW GUIDELINES AND REGULATIONS FOR LIGHTING DESIGN

You will receive an overview of the forthcoming changes to EN 12464-1 and the effects on the planning of lighting for indoor workplaces. The new draft standard aims to enhance lighting design requirements.



Booking number:
WEUK0109



[www.trilux-akademie.com/
WEUK0109](http://www.trilux-akademie.com/WEUK0109)

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| Target group | Lighting Designers |
| Contents | <ul style="list-style-type: none">• Background and news on the draft standard prEN 12464-1:2019• New terminology• Supplementing the Table Structure• Meaning of objects and persons• Introduction of an illuminance band• Important changes at a glance• Examples and recommendations |

BIG SHEDS – LIGHTING FOR LARGE SPACES

In this webinar we will learn to understand the challenges and complexities around lighting and controls of large spaces be they, industrial, data centres, out of town retail or logistics centres. We will explore the importance of the distribution of the light output especially on vertical illuminance within a flexible space. In this ever growing market sector and with the onset of internet based shopping – how might this effect the need for lighting and energy consumption?



Booking number:
WEUK0501



[www.trilux-akademie.com/
WEUK0501](http://www.trilux-akademie.com/WEUK0501)

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| Target group | Lighting Designers, Electrical Consultants, Contractors, Facility Managers, Developers & End User |
| Contents | <ul style="list-style-type: none">• Examining the different approaches between for both owner/occupier Vs lease holder• Cost benefit ratios• Finance solutions• Intelligent controls• HCL for staff wellbeing |

LUNCHTIME SEMINARS

THE LATEST LIGHTING KNOWLEDGE FOR YOUR EMPLOYEES

LUX AKADEMIE

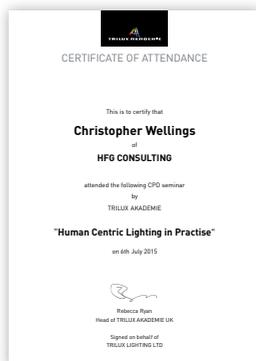


Lunchtime seminars (CPD)

Whilst all of our Akademie training can be logged as part of your Continuous Professional Development, our Lunchtime Seminars are specifically designed to meet that aim in the most convenient way possible for you.

We understand that your working day is already extremely full and so, as the name suggests, these seminars are held during your lunchbreak or other convenient time, taking no longer than an hour. Our contact team will work with your company's CPD organiser to make a seamless booking and delivery of a Lunchtime Seminar either on your premises or on a mutually agreed virtual platform.

These free seminars are hosted by highly qualified technical experts, trained for teaching. Following the seminar all participants will receive a copy of the presentation and a CPD certificate.



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| Duration | approx. 1 hour |
| Certificate | Participation certificate |



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EN12464-1 – NEW GUIDELINES AND REGULATIONS FOR LIGHTING DESIGN

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| Certificate | Participation certificate |



By appointment only, please contact akademie@trilux.co.uk to arrange.

LIGHT QUALITY – TM30 EXPLAINED

Daylight is our ultimate reference point for good lighting that reveals all aspects of our surroundings. Up until now artificial light sources have always compromised in one area or another. Now the technology is available for huge improvements – but are we well informed enough to understand and use this progress? In this lunchtime seminar we explain the points to look out for and the new metrics to convey our requirements. Do not just accept what has become the “norm” push for better quality and great lighting.

| | |
|---------------------|--|
| Target group | Lighting Designers, Architects, Consulting Engineers |
| Contents | <ul style="list-style-type: none">• Understanding colour, CRI and TM30 explained• Variation in light and shade• Accent light and how to use it• Glare control• Flicker explained |
| Duration | approx. 1 hour |
| Certificate | Participation certificate |



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SMART SOLUTIONS – INTELLIGENCE BEYOND LIGHTING

Our buildings are full of electrical connections to provide light. This is a happy coincidence that can now be utilised to transmit data – but what does this mean in practical terms? Apart from using energy wisely these systems can provide information of the use of a space, especially useful now that we need to reduce occupancy of rooms to limit the transmittance of viruses, they can give feedback on the quality of air, or even the most efficient use of storage in a warehouse. Data is the the new “black gold”. In this lunchtime seminar we look at some of the possibilities.

| | |
|---------------------|---|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, FM’s and End Users |
| Contents | <ul style="list-style-type: none">• Digital services• Cloud enabled• Technical services• Project management• Meet the doorman SAM |
| Duration | approx. 1 hour |
| Certificate | Participation certificate |



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SUSTAINABILITY – A GLOBAL APPROACH TO MANUFACTURING AND RESPONSIBLE USE OF RESOURCES

Our responsibility to the planet is an urgent focus for all of us. Within a manufacturing environment we naturally use resources but this can be done in a way that is sustainable and the resulting new products can effectively save energy compared to older ones. The balance of the equation of many parameters is complex. At TRILUX we have looked at hundreds of different aspects and the debate on the best path for the future goes on. Here we would like to share some of the knowledge we have gained and also the measures we have taken so far.

| | |
|---------------------|--|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, Facility Managers, Developers & End Users |
| Contents | <ul style="list-style-type: none">• What is the reality• Best practise that might be surprising• Evaluation methods• Modular design |
| Duration | approx. 1 hour |
| Certificate | Participation certificate |



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A NEW LEASE OF LIGHT – PROCUREMENT MODELS AND THE IMPACT ON SUSTAINABILITY

The debate about procurement of lighting has been around for a long time but the atmosphere has changed recently with the understanding that there could be hidden benefits for the long term sustainability of lighting. We now have a few real projects that can be analysed and these will lead us to even more options about the ownership of lighting. The real benefits come at the end of life, if the manufacturer has a stake in project they will be on hand to ensure re-use in more cases and have an influence on where the valuable asset will continue its journey.

| | |
|---------------------|--|
| Target group | Architects, Lighting Designers, Electrical Consultants, Contractors, FM's and End Users |
| Contents | <ul style="list-style-type: none">• Financing• Leasing• Pay per use• Variations in contract• End of Life options |
| Duration | approx. 1 hour |
| Certificate | Participation certificate |



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DIVERSE EXPERTISE

TRAINED BY COMPETENT
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Sean Sinnott



Helen Loomes FSLI



Ben Peters-Jones



Andrew Christopher



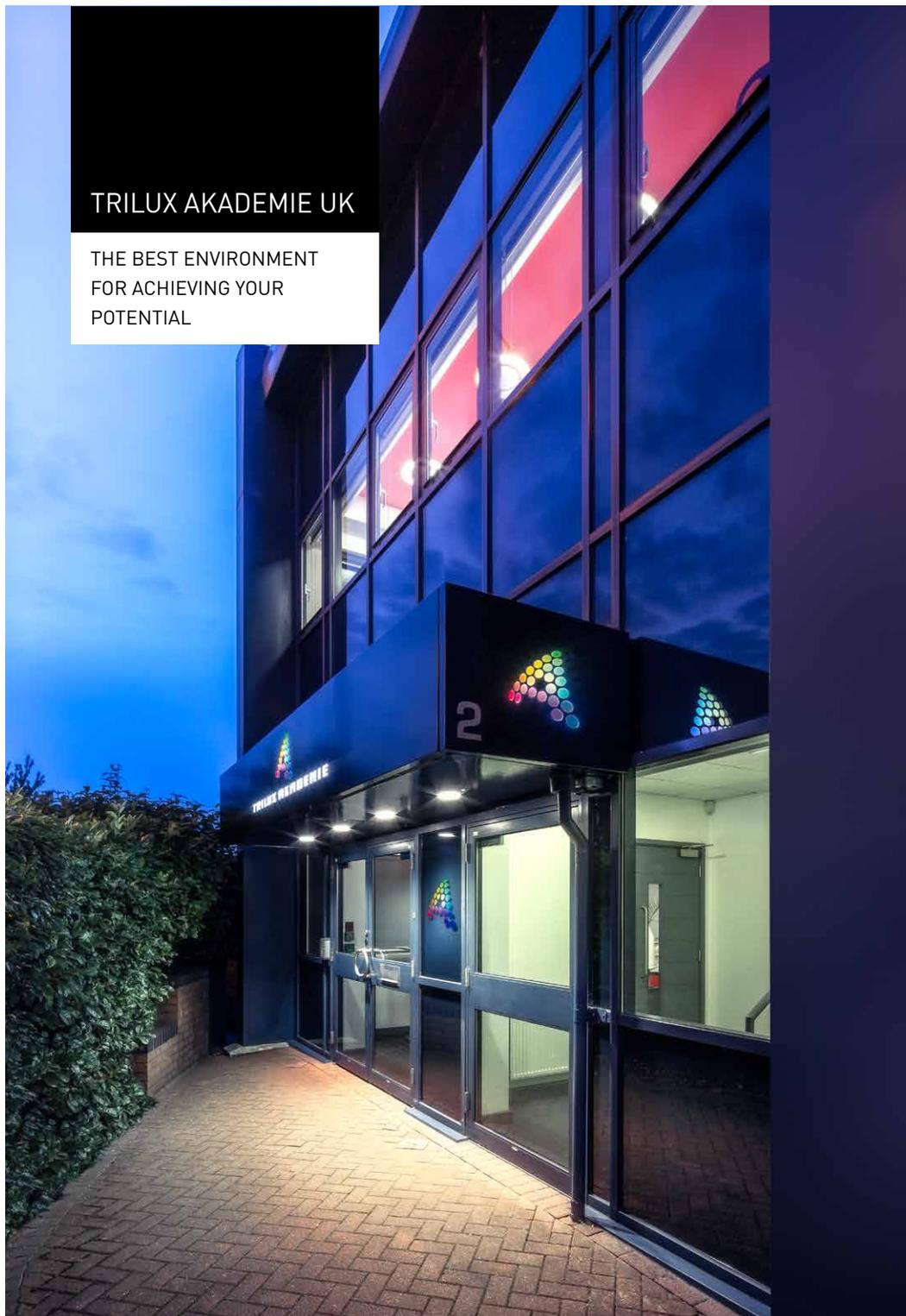
Kirsty Armstrong



Kate Barmes

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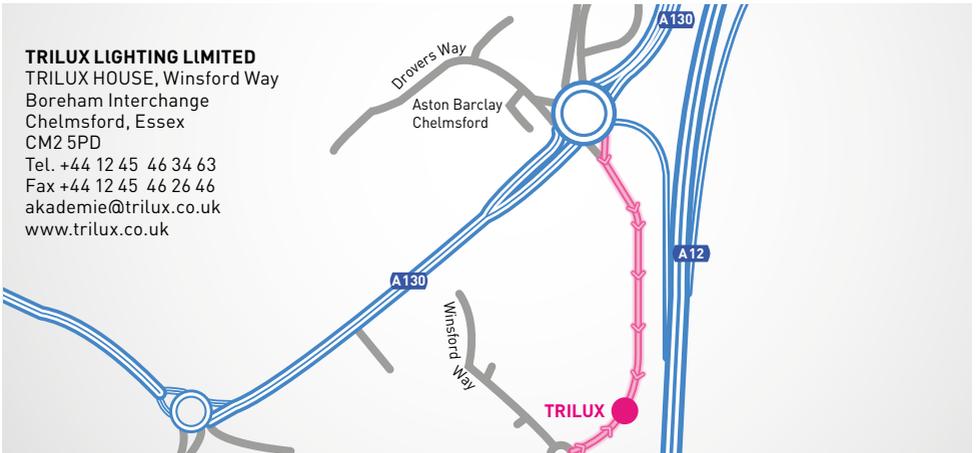
PLEASE CONTACT US



Your Contact: Gemma Donaldson

The contact team are here to help you with your registration queries and booking CPDs. If you have a question around the TRILUX Akademie programme, please contact the team for advice.

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EDUCATION IN LIGHT – ACROSS EUROPE

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