



TRILUX AKADEMIE

**TRAINING
FOR LIGHTING
PROFESSIONALS**



PROGRAMME 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.

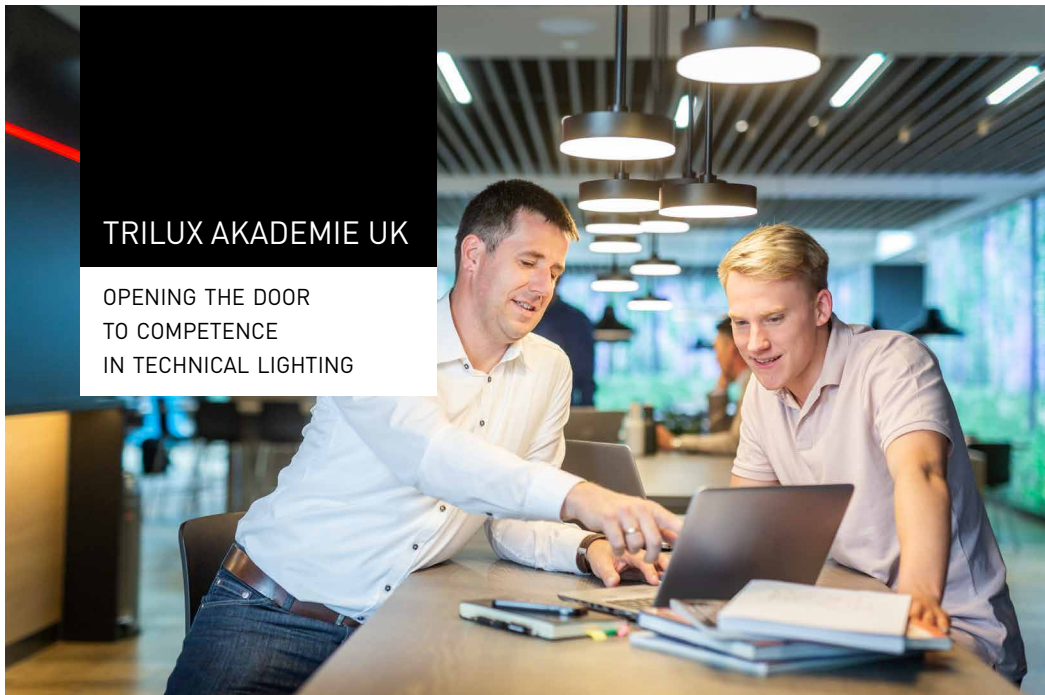
We look forward to seeing you!

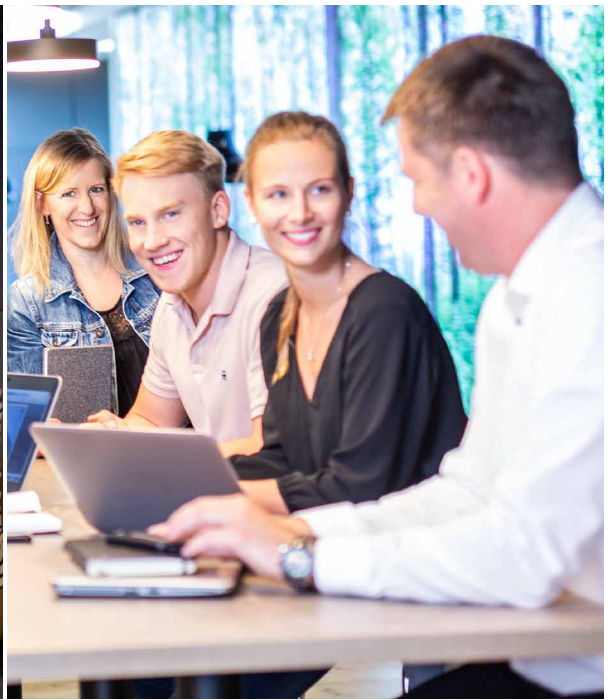


Helen Loomes
Head of Akademie
TRILUX LIGHTING LTD UK

TRILUX AKADEMIE UK

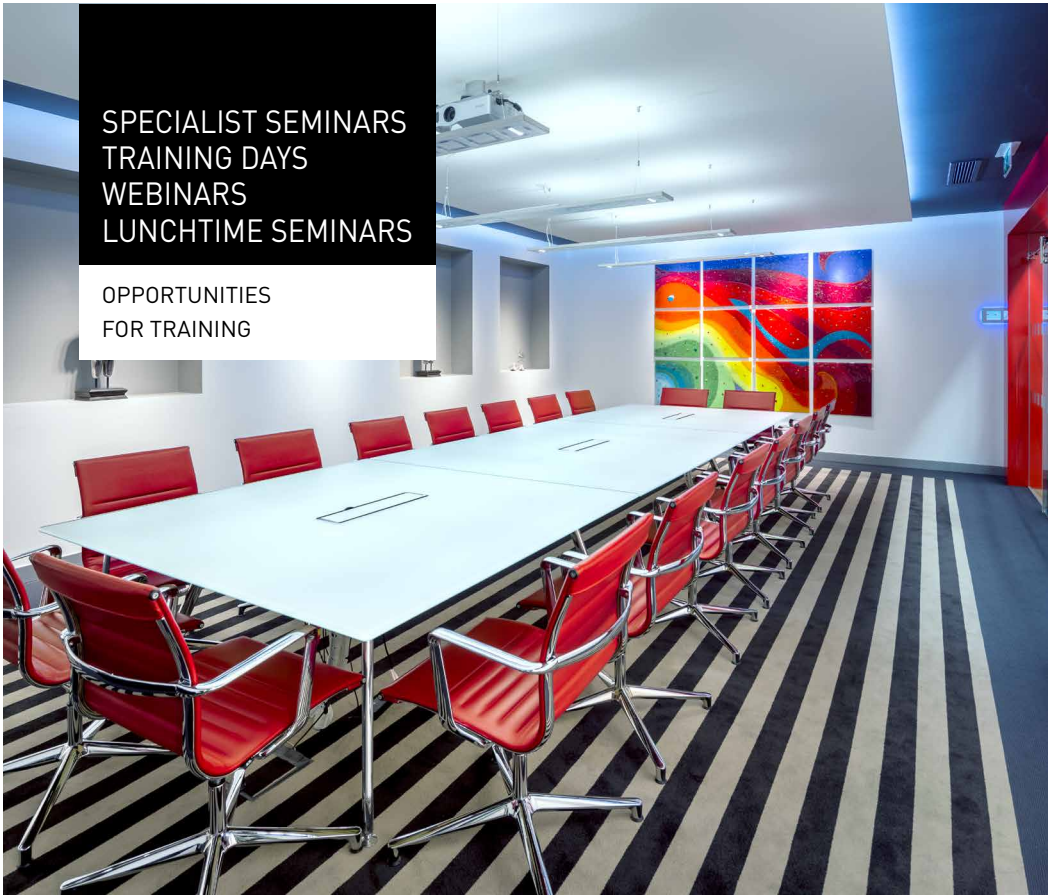
OPENING THE DOOR
TO COMPETENCE
IN TECHNICAL LIGHTING





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 webcasts; 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.

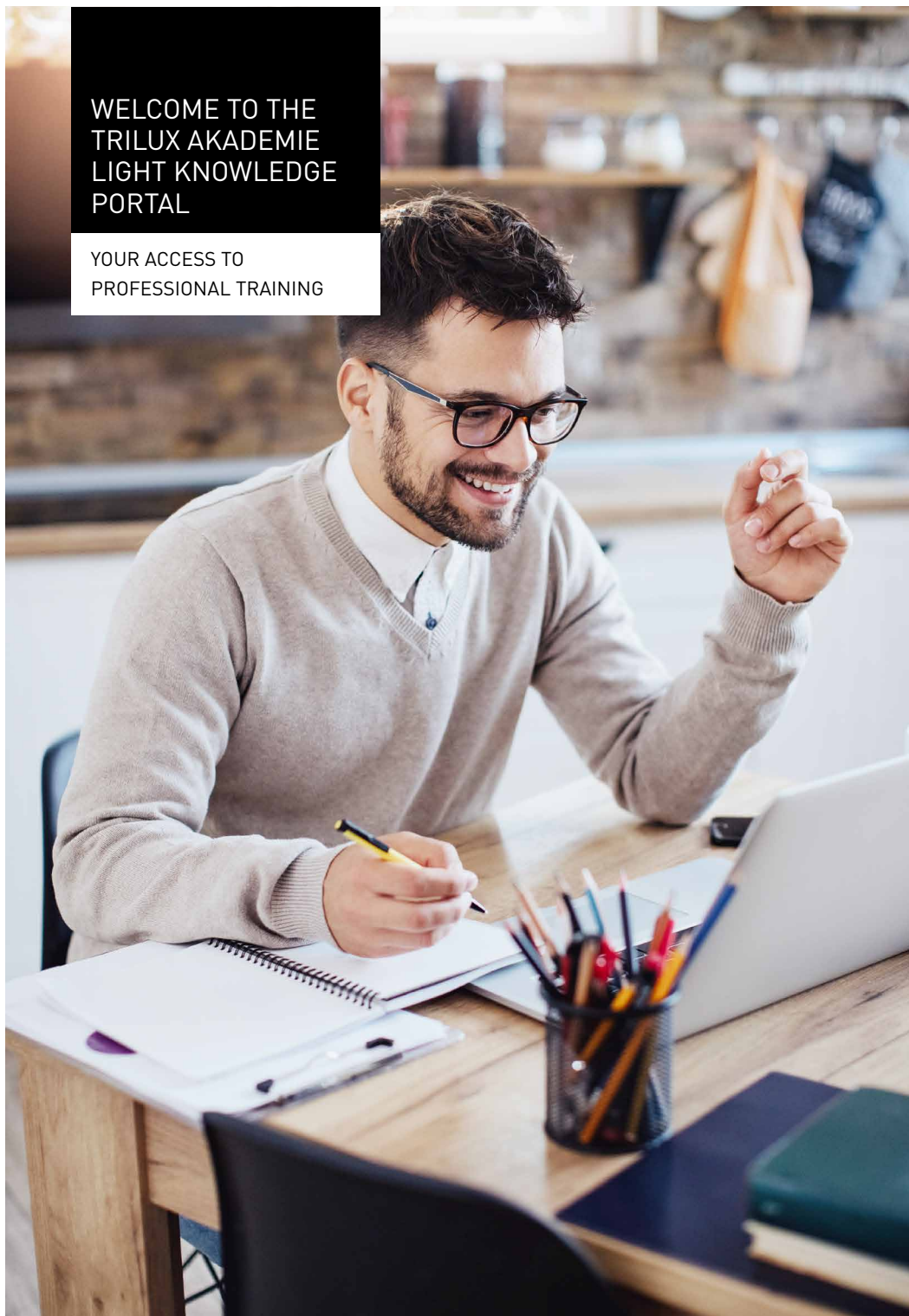


Lunchtime Seminars (CPD)

The latest lighting knowledge for your employees: we'd be glad to individually organise CPD seminars for your company either on-line or on-site. 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.

WELCOME TO THE
TRILUX AKADEMIE
LIGHT KNOWLEDGE
PORTAL

YOUR ACCESS TO
PROFESSIONAL TRAINING



WELCOME TO THE TRILUX AKADEMIE LIGHT KNOWLEDGE PORTAL

Your access to professional training

1 REGISTRATION

Register for free:
www.trilux.com/e-learning/register

Registration code: **Academy**

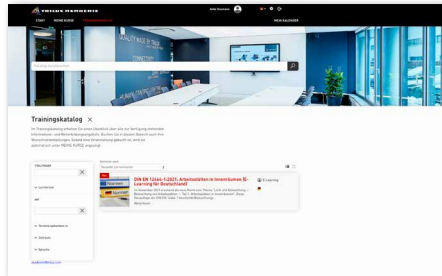
After registration you can reach the portal with your user name (e-mail) and password at:
www.trilux.com/e-learning



2 FURTHER EDUCATION

Search and book.

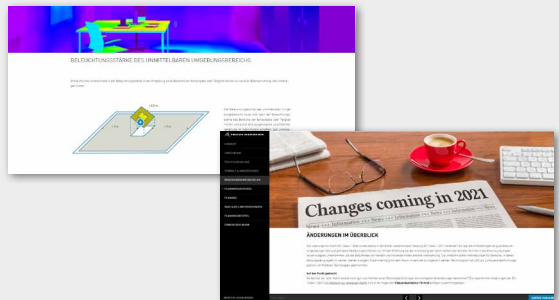
In the training catalogue you will discover a wide variety of training formats. From the latest lighting knowledge to free theme days and webinars with instant access to booking our seminars and certificate courses: the Light Knowledge Portal is your personal learning place for all professional lighting topics.



3 PARTICIPATION

Get started straight away.

For example try the free E-Learning on the current EN 12464-1: The new edition describes lighting requirements for people at workplaces in indoor areas. The e-learning introduces you to the contents of the standard in detail and explains the changes to the previous standard.



4 YOUR ADVANTAGES

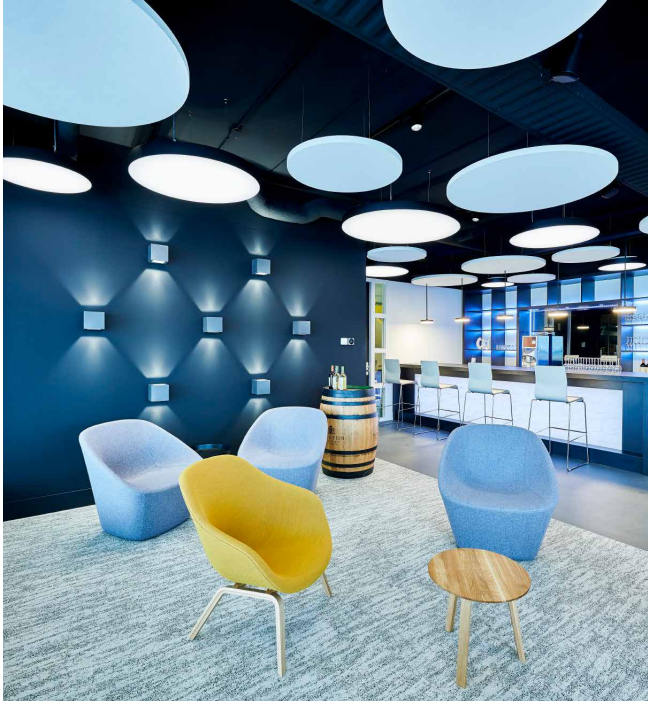
- ✓ You have all events and dates at a glance
- ✓ Through short announcements you will always be the first to receive information on important lighting topics and current events
- ✓ You have exclusive access to e-learnings and webcasts
- ✓ Event registration is easier and faster





TRAINING DAYS

IN PRESENCE AND ONLINE



Target group	Planners, Architects, Electrical trade, Industry, Wholesalers and Facility Managers
Number of participants	Maximum of 10
Learning aim	In this beginner's seminar, you will learn the basic functions of the of the DIALux evo lighting design software. In the practical workshop you will try out how plans are read in, rooms are designed and luminaires are imported. In addition to quick planning, you will gain insights into simple interior planning (approx. 90 %) and exterior and building planning (approx. 10 %).
Contents	<ul style="list-style-type: none"> • Reading and scaling plans • Constructing buildings with several rooms • Various Applications E.g. Office, Parking Areas etc • Consideration of industry standards and guidelines compliance • Import of luminaires and photometry • Efficient work/quick solution finding • 2D and 3D methods • Normal and Emergency Calculations • Creation of meaningful report outputs
Certificate	Participation certificate

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



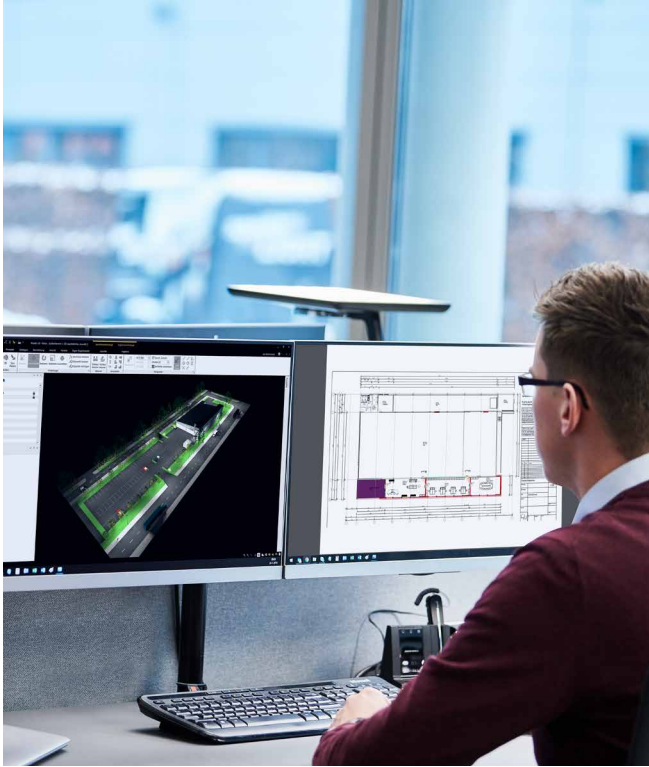
Training day

Booking number:
SEUK0111

Additional benefits:
Includes catering and training documents



www.trilux-akademie.com/
SEUK0111



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/ WEBCASTS

FLEXIBLE OPPORTUNITIES
FOR LEARNING



Webinars/Webcasts

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.

Duration	approx. 30 - 45 mins
Location	The webinar is live at your own desk.
Technical requirements	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.

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



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.

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



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%.

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.

Target group	Architects, Electrical Consultants, Facility Managers
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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
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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.



**Booking number:
WEUK0706**



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

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
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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.



**Booking number:
WEUK0502**



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

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
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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.

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



[www.trilux-akademie.com/
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.

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

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.

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



Webinar

Booking number:
WEUK0604



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



Webinar

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 changes to EN 12464-1 and the effects on the planning of lighting for indoor workplaces. The new standard, published in September 2021, aims to enhance lighting design requirements.



Webinar

Booking number:
WEUK0109



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

Target group	Lighting Designers
Contents	<ul style="list-style-type: none">• Background and changes in new standard EN 12464-1-2021• 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?



Webinar

Booking number:
WEUK0501



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

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

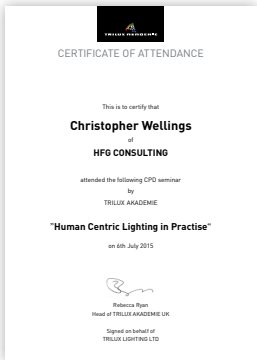


Lunchtime seminars (CPD)

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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CIRCULAR ECONOMY – A MOVE TOWARDS SUSTAINABILITY

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EN12464-1 – NEW GUIDELINES AND REGULATIONS FOR LIGHTING DESIGN

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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



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

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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Helen Loomes FSLI



Vick Nanthan



Andrew Christopher



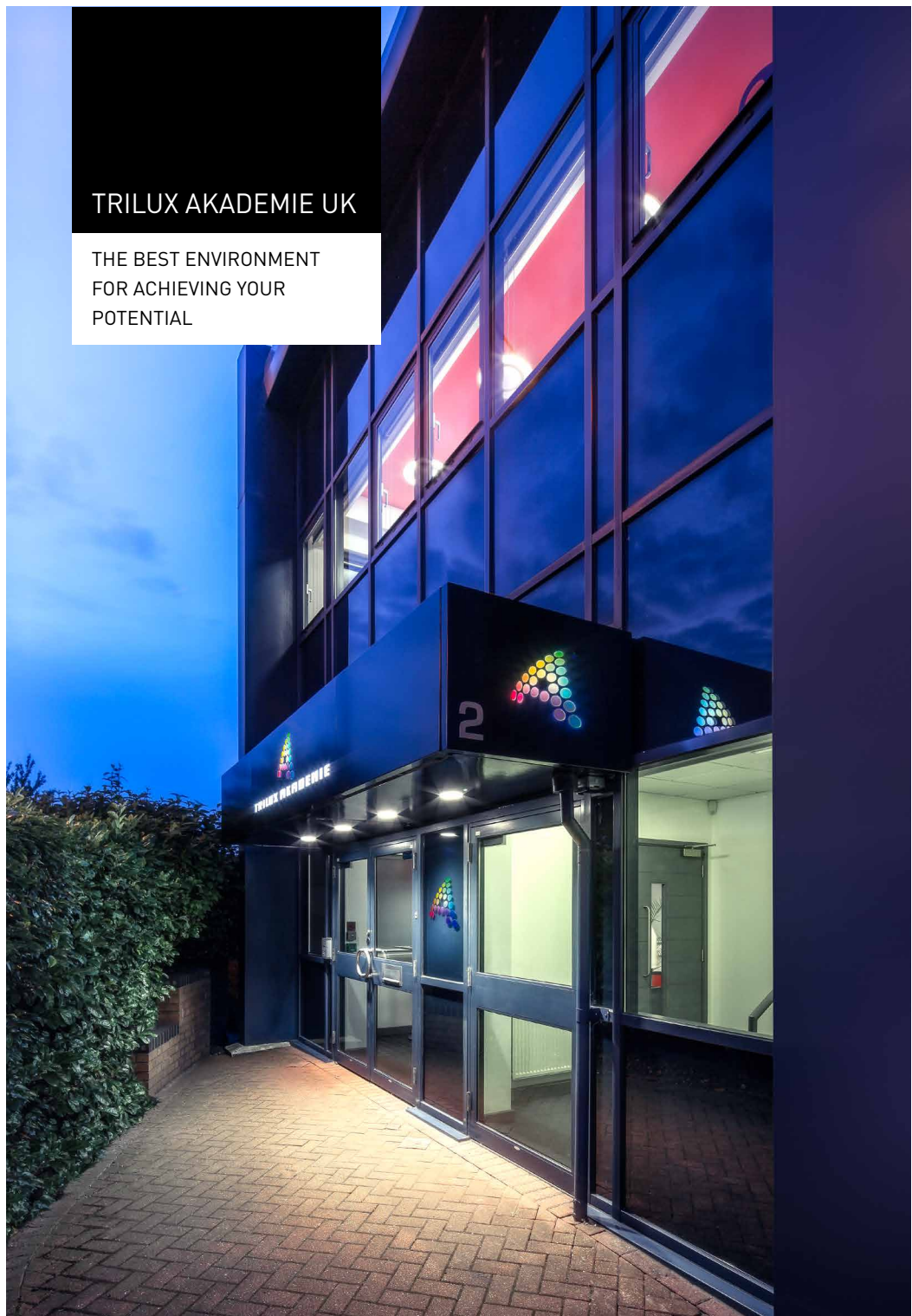
Kirsty Armstrong



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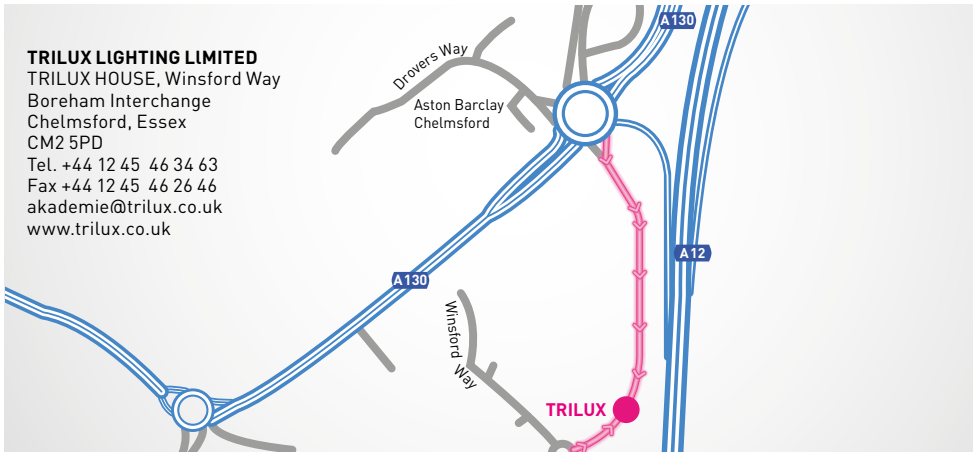
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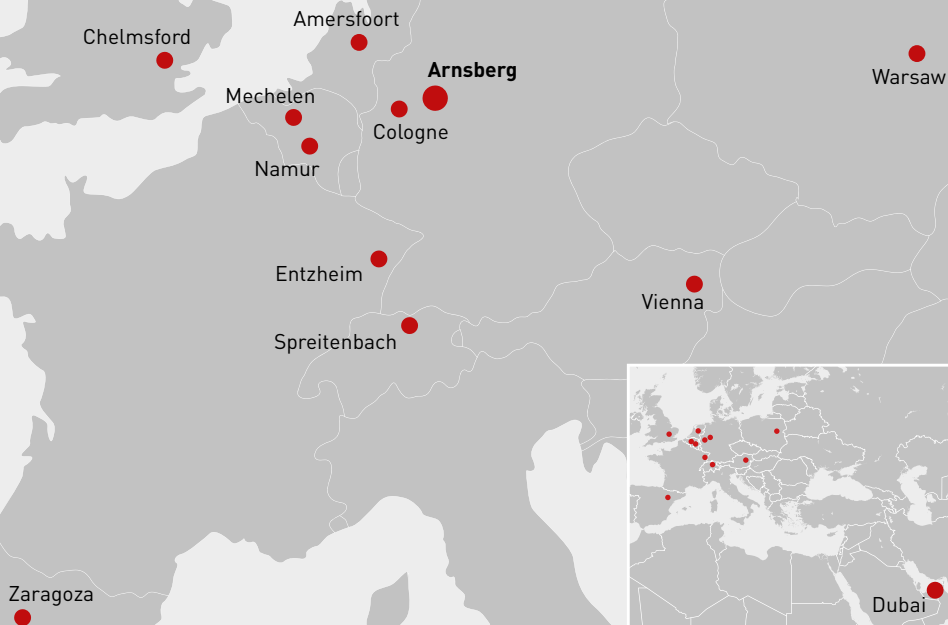
The contact team are here to help you with your registration queries and booking CPDs. If you have a question around the TRILUX Akademie programme, please contact the team for advice.

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EDUCATION IN LIGHT – ACROSS EUROPE

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