



TRILUX AKADEMIE

TRAINING
FOR LIGHTING
PROFESSIONALS



FROM FEBRUARY 2017

AN INTRODUCTION

Welcome to the TRILUX Akademie

Lighting professionals in the UK can now benefit from the international success of the TRILUX Akademie. Since September 2015, the new Akademie site in Chelmsford has been offering training on the very latest topics in the light and lighting sector.

Providing knowledge, reducing complexity and establishing expertise is the aim of the TRILUX Akademie. The demands of bespoke lighting solutions are increasing continuously with the rapid advancement in LED technology, including optimisation for 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 seminars, webinars and theme days, we can support you in finding your way in the world of light, within this dynamic market.

Our training is aimed at 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 in companies 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!



Rebecca Ryan
Head of Akademie
TRILUX LIGHTING LTD UK



Richard Holt
Managing Director
TRILUX LIGHTING LTD UK

THEME DAYS
SEMINARS
WEBINARS
LUNCHTIME SEMINARS

OPPORTUNITIES
FOR TRAINING



Theme days

How do you best gain an overview and detailed insights into a complex specialist theme? With the TRILUX theme days. These offer participants a complete view of a specific technical area on 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 theme days the perfect platform for networking among colleagues – and for looking beyond your own horizon.



Seminars

Highly practical know-how direct from the experts – TRILUX Akademie seminars focus primarily on providing you with optimum specialist support for any challenge. Seminars are carried out by specialists with many years of professional experience, communicating their specialist 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


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.

To fully exploit the possibilities of this online format, events are carried out by technical specialists having supplementary training as certified e-trainers. An important methodological element of the webinars is interactivity, meaning that online participants also have the opportunity to ask specific questions about the topic.



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.




CALENDAR OF TRAINING COURSES

THEME DAYS,
SEMINARS, WEBINARS,
LUNCHTIME SEMINARS

FEBRUARY 2017

Date	Title	Location	Format	Presenter	Page
21st (Tu)	DIALux evo for beginners (indoor and outdoor lighting)	Manchester	Full-day Training	Karim Daoudi	7
22nd (We)	DIALux evo for beginners (indoor and outdoor lighting)	Chelmsford	Full-day Training	Karim Daoudi	7


MARCH 2017

Date	Title	Location	Format	Presenter	Page
8th (We)	Planning of indoor lighting with DIALux for beginners	Leeds	Full-day Training	Ben Peters-Jones	6
22nd (We)	TRILUX Light Services – Design, efficiency & Finance		Webinar	Jamie Yates	11

APRIL 2017

Date	Title	Location	Format	Presenter	Page
26th (We)	WELL Building Standard: An overview of the requirements for lighting		Webinar	Helen Loomes	10

MAY 2017

Date	Title	Location	Format	Presenter	Page
17th (We)	First digital, then real: BIM – Building Information Modelling		Webinar	Jamie Yates	11
24th (We)	Planning of indoor lighting with DIALux for beginners	Newcastle	Full-day Training	Ben Peters-Jones	6

JUNE 2017

Date	Title	Location	Format	Presenter	Page
14th (We)	Light & the Digital Revolution	Bristol	Theme event	Richard Taylor	8
28th (We)	Planning of indoor lighting with DIALux for beginners	Chelmsford	Full-day Training	Kate Barmes	6

JULY 2017

Date	Title	Location	Format	Presenter	Page
5th (We)	The moral debate: HCL in shiftwork		Webinar	Helen Loomes	10

SEPTEMBER 2017

Date	Title	Location	Format	Presenter	Page
21st (Th)	Light & the Digital Revolution	London	Theme event	Richard Taylor	8

LUNCHTIME SEMINARS

Date	Title	Location	Format	Page
on request	Is light a drug?	At your workplace	CPD	13
on request	LED to the Present	At your workplace	CPD	13
on request	What is LG7?	At your workplace	CPD	14
on request	New Light, new code, new approach	At your workplace	CPD	14
on request	Enhanced capital Allowance explained	At your workplace	CPD	15
on request	ENEC+: Putting product data credibility first	At your workplace	CPD	15



Target group	Lighting designers, electrical consultants, contractors and facility managers
Number of participants	Maximum of 15
Preconditions of the seminar	Basics for planning indoor lighting» or comparable expertise
Learning aim	The seminar will teach you the essential basics of planning indoor lighting systems using DIALux planning software. Relevant planning stages will be carried out with the help of examples including the definition of planning projects, the identification and definition of required input parameters and the use of simplified planning possibilities and rapid result documentation.
Contents	<ul style="list-style-type: none"> • EN 12464-1 planning specifications • Lighting concepts • Luminaire selection according to project-specific demands • Positioning of luminaires via Dialux • Dimensioning luminaire luminous flux • Selection, types and number of lamps • Inputting planning parameters • Calculation of lighting system, calculation parameters • Control and analysis of planning results
Dates/time	Wednesday, 08/03/2017 Leeds 9.30 am -4.00 pm Wednesday, 24/05/2017 Newcastle 9.30 am -4.00 pm Wednesday, 28/06/2017 Chelmsford 9.30 am -4.00 pm
Certificate	Participation certificate



Booking number:
SEDE0102
Participation fee / additional benefits:

£350 plus VAT / includes catering and seminar documents unless you have a voucher code



www.trilux-akademie.com/SEDE0102

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



Target group	Architects and lighting planners (also beginners and planners in industrial trades)
Number of participants	Maximum of 8
Learning aim	In this seminar you will become acquainted with the basic functions of DIALux evo, among other things with creating a project, inserting luminaires as well as calculating and exporting results. Computers are provided.
Contents	<ul style="list-style-type: none"> • User interface and basic settings • Importing CAD plans • Creating a simple building with windows, doors and a roof • Inserting ground elements in outdoor areas • Inserting objects, using colours and textures • Importing luminaires • Calculating and results monitor • Displaying pseudocolours • Exporting and printing
Dates/time	Tuesday, 21/02/2017 Manchester 9.30 am -4.00 pm Wednesday, 22/02/2017 Chelmsford 9.30 am -4.00 pm
Certificate	Participation certificate

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



Booking number:
SEDE0106

**Participation fee /
additional benefits:**

£350 plus VAT / includes catering and seminar documents unless you have a voucher code



www.trilux-akademie.com/SEDE0106

LIGHT & THE DIGITAL REVOLUTION



This evening theme event will provide a fascinating insight into the future of lighting and its role in the digital revolution. Our guest speaker, Richard Taylor will discuss key points such as Big Data, Internet of Things, LiFi and BIM, followed by a technical Q & A session.



Theme event

Booking number:
TGDE0534
Participation fee /
additional benefits:

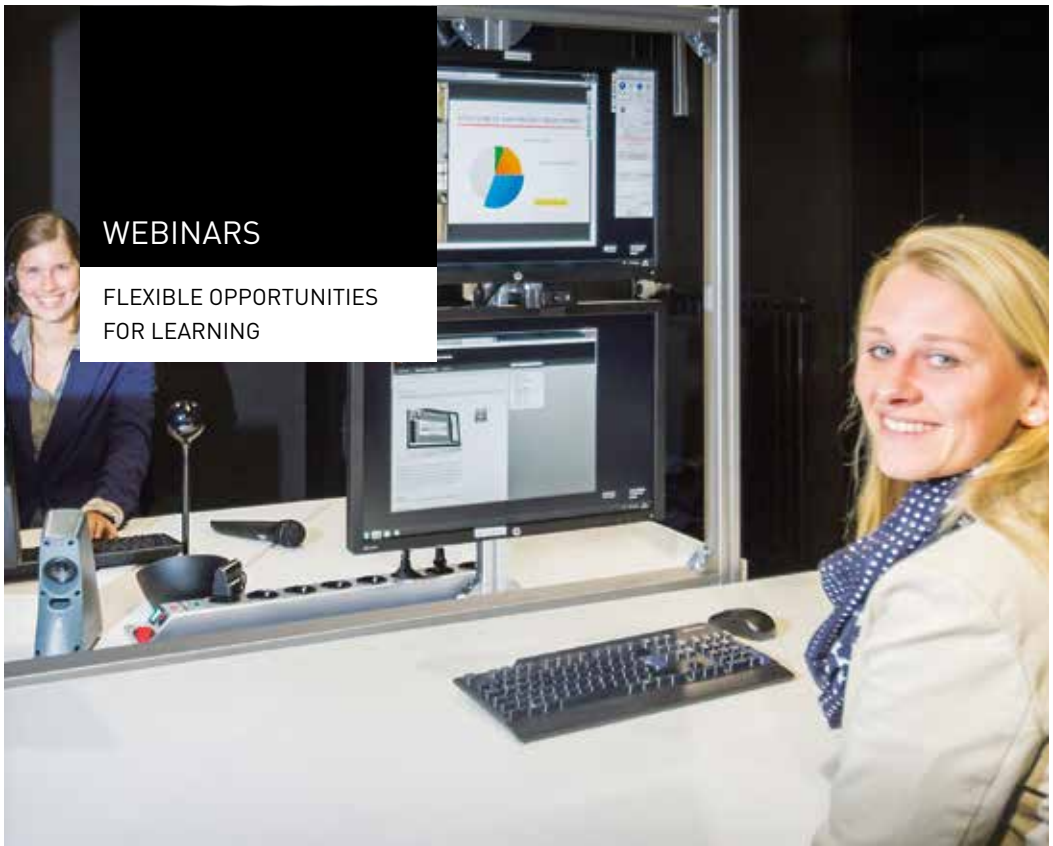
free



[www.trilux-akademie.com/
TGDE0534](http://www.trilux-akademie.com/TGDE0534)

Target group	Lighting designers, electrical consultants, architects and everyone interested in implementing lighting.		
Number of participants	Maximum of 80		
Contents	<ul style="list-style-type: none">• Introduction to Future Technology• Overview of the benefits of BIM project modelling• Lighting & the Digital Revolution – Richard Taylor, Graphic Strategy		
Dates/time	Wednesday, 14/06/2017	Bristol	6.00-8.00 pm
	Thursday, 21/09/2017	London	6.00-8.00 pm
Certificate	Participation certificate		

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



WEBINARS

FLEXIBLE OPPORTUNITIES
FOR LEARNING



Webinars

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Duration	approx. 1 hour
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: AN OVERVIEW OF THE REQUIREMENTS FOR LIGHTING

Target group	Electrical Consultants, Lighting Designers & Architects
Learning aim	Launched in 2014, the WELL Building Standard is the world's first building certification that focuses exclusively on human health and wellness. It is an international assessment method that encourages healthy lifestyles promoting 7 concepts: air, water, nourishment, light, fitness, comfort and mind. In this presentation we will take a deeper look into the requirements for lighting and discuss the theories behind those requirements.
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• Electrical and Solar glare control• How to ensure good colour quality to support visual acuity and accurate rendering of colour tones.• Surface design – Utilising higher surface reflectance values to reduce energy consumption & contrast glare
Dates/time	Wednesday, 26/04/17, 1.00 -2.00 pm



Booking number:
WEDE0712
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0712](http://www.trilux-akademie.com/WEDE0712)

THE MORAL DEBATE: HCL IN SHIFTWORK

Target group	Electrical Consultants and Contractors, End-users, Educators and Healthcare professionals
Learning aim	A look at human centric lighting, as the adaptation of lighting to individual needs relating to age, time of day and application, addressing common misconceptions. In particular, the moral implications of altering shift workers' natural circadian rhythms with lighting in an attempt to make them more productive will be examined, referencing up to date research and recorded effects of artificial lighting.
Contents	<ul style="list-style-type: none">• An introduction to human centric lighting and the factors at play• Effects of light on wakefulness, body temperature and hormone production• Synchronisation of sleeping in relation to circadian rhythms and the potential impact that dynamic lighting can have• A look at moral issue around altering shift workers' natural circadian rhythms• Overview of research into shift workers and recorded effects of artificial lighting
Dates/time	Wednesday, 05/07/17, 1.00 -2.00 pm



Booking number:
WEDE0709
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0709](http://www.trilux-akademie.com/WEDE0709)

TRILUX LIGHT SERVICES – DESIGN, EFFICIENCY & FINANCE



Webinar

Target group	Industry, commerce, cities and municipalities
Learning aim	The participants will get an overview of the TRILUX lighting services. Of course there is also opportunity for discussion.
Contents	TRILUX offers comprehensive services for professional lighting. Consulting, planning and efficiency calculations are at the beginning of a project, installation and commissioning lead the project to success. Digital services such as energy monitoring as well as extensive financing offers up to contracting or lighting rent complete the portfolio.
Dates/time	Wednesday, 22/03/17, 1.00 -2.00 pm

Booking number:
WEDE0409
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0409](http://www.trilux-akademie.com/WEDE0409)

FIRST DIGITAL, THEN REAL: BIM – BUILDING INFORMATION MODELLING



Webinar

Target group	Architects, Electrical Consultants, Facility Managers
Learning aim	Find out in this webinar how building planning changes in the BIM virtual building model, and how lighting design is integrated into this.
Contents	Building Information Modelling (BIM) is a cross-system and cross-life cycle approach for the software-based planning, implementation and management of buildings, from their design and operation to demolition. BIM – Building Information Modelling is currently revolutionising building planning. Is BIM on its way to replacing CAD as the standard in building planning? <ul style="list-style-type: none">• Building Information Modelling• Definition and standardisation• Application and lighting design
Dates/time	Wednesday, 17/05/17, 1.00 -2.00 pm

Booking number:
WEDE0119
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0119](http://www.trilux-akademie.com/WEDE0119)

LUNCHTIME-SEMINARS (CPD)

THE LATEST LIGHTING KNOWLEDGE FOR YOUR EMPLOYEES

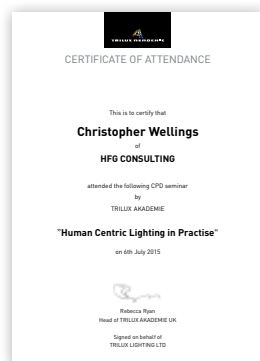


Lunchtime seminars (CPD)

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, taking no longer than an hour, with lunch provided by us. Our contact team will work with your company's CPD organiser to make the booking and delivery of a Lunchtime Seminar in your premises seamless.

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 via email. Please note that some of our seminars are CIBSE accredited, please look for the CIBSE logo in this program, whilst others require self-certification.



IS LIGHT A DRUG?



If we feel strengthened by the morning sun or relax when walking in the evening sun, this is not just imagined and is not accidental either, because sunlight changes its colour composition during the course of the day to control many biological processes in the human body. For example, the blue light component in the morning is especially high to provide an activating effect that promotes concentration. In the evening on the other hand, the blue component in sunlight lessens while red increases – the melatonin level and fatigue increase. Because people mostly spend their time in closed rooms though, these important impulses influencing the biological rhythm are often lost. Intelligent, biologically effective lighting solutions offer an alternative.

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	<ul style="list-style-type: none">• Focussing on human biological response to lighting.• Recapping the biology of light and its effect on our circadian rhythms, human well-being and health.• Case studies on lighting in education projects.• Looking at research to improve the environment for elderly people & dementia wards.
Duration	approx. 1 hour
Certificate	Participation certificate



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

LED TO THE PRESENT

Seminar participants will receive an all-round overview of the technological features and requirements of LED in general lighting. Our expert will inform you about the technical status, the uses and applications as well as the future prospects of this technology.

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	<ul style="list-style-type: none">• LED market and current development• Forces driving LED forward, Standards• Technical Basics• LED design, Electrical properties, Light colour/binning, Optical Systems and usage, LED Drivers, Thermal Management, Summary: 9 criteria for LED
Duration	approx. 1 hour
Certificate	Participation certificate



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

WHAT IS LG7?

The Society of Light & Lighting's Lighting Guide 7 gives advice on the design and operation of office lighting schemes and installations for all users of office buildings and associated areas. In this seminar our expert takes you through the key elements of the guide and highlights the recent updates which were published in latter part of 2015.

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	<ul style="list-style-type: none">• An overview of the updates to the SLL's updated LG7, Design Guide for Office Lighting• Detailed look at the fundamental aspects of LG7 design process• Working with different spaces including those speculative spaces for unknown users• Energy saving and LMS• Project examples
Duration	approx. 1 hour
Certificate	Participation certificate



By appointment only, please contact akademie@trilux.co.uk to arrange.
CPD Available from January 2016

NEW LIGHT, NEW CODE, NEW APPROACH

The world of Lighting is growing ever more complex, thanks in no small part to the arrival of LED technology. In this seminar our expert filters through the latest information and delivers it to you in a digestible form. This seminar focuses in particular on current planning standards as set out in EN 12464, the European code for the lighting of workplaces.

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	<ul style="list-style-type: none">• An introduction to the European code for the lighting of workplaces• Uniformity v Background• Developing a scheme around a task or activity• Cylindrical illumination and modelling• Energy Savings• Project examples
Duration	approx. 1 hour
Certificate	Participation certificate



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



ENHANCED CAPITAL ALLOWANCE EXPLAINED



The government's Enhanced Capital Allowance Scheme encourages businesses to invest in specific energy-saving technology, by allowing you to offset equipment costs against taxable profits, providing a strong incentive to invest in energy-saving equipment, including LED lighting.

With the aid of case studies, our presenter will talk through the key points to consider when applying for the scheme and help you to overcome some of the barriers.

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	<ul style="list-style-type: none">• The benefits and new requirements of the scheme• The additional benefits of using energy efficient schemes• How to overcome some of the barriers that prevent uptake of the ECA• An industrial case study that successfully claimed the allowance• An office lighting case study currently updating to LED which will meet the new requirements
Duration	approx. 1 hour
Certificate	Participation certificate



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

ENEC+: PUTTING PRODUCT DATA CREDIBILITY FIRST



With the ENEC, Europe gained a uniform label for electrotechnical products regarding electrical, thermal and mechanical safety. The new ENEC+ label now certifies the credibility of product data, particularly with LED luminaires, by a neutral inspection authority. In the seminar our experts give an overview of the following:

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	<ul style="list-style-type: none">• Basics of the performance standard for luminaires• Requirements of LED luminaires• Measurement values• User benefits• ENEC+ as a tender characteristic?
Duration	approx. 1 hour
Certificate	Participation certificate



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TRILUX AKADEMIE UK

THE BEST ENVIRONMENT
FOR ACHIEVING YOUR
POTENTIAL





Fresh ideas need room – and the better the room is designed the easier it is to think and learn

The TRILUX Akademie is equipped according to the very latest standards, also at the Chelmsford site, and bright and friendly lighting in each room shows how ideal light helps towards a highly pleasant atmosphere for learning. The right surroundings are waiting for you for every topic: display areas, training and meeting rooms and work areas for practical experiences.



DIVERSE EXPERTISE

TRAINED BY COMPETENT
PROFESSIONALS





Jamie Yates MSL

Helen Loomes MSL

CONTACT POINT

PLEASE CONTACT US



The Contact Team: Tara Sapiano, 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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