

TRILUX AKADEMIE

**TRAINING
FOR LIGHTING
PROFESSIONALS**

FROM SEPTEMBER 2016

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


SEPTEMBER 2016

Date	Title	Location	Format	Presenter	Page
14th (We)	Planning of indoor lighting with DIALux for beginners	Leeds	Day seminar	Ben Peters-Jones	7
21th (We)	ENEC+: Reliability of LED luminaire data		Webinar	Jamie Yates	10
28th (We)	Planning of indoor lighting with DIALux for beginners	Chelmsford	Day seminar	Kate Barmes	7

OCTOBER 2016

Date	Title	Location	Format	Presenter	Page
5th (We)	HCL for dementia		Webinar	Helen Loomes	10
12th (We)	DIALux Introduction – With EVO preview	Chelmsford	Day seminar	Kate Barmes	7
27th (We)	Lighting & the Digital Revolution	Manchester	Theme event	Various Speakers	6

NOVEMBER 2016

Date	Title	Location	Format	Presenter	Page
2nd (We)	LiveLink – commissioning made simple	Chelmsford	Day seminar	Ben Peters-Jones	8
16th (We)	Form and function: Light in Architecture		Webinar	Helen Loomes	11
23th-24th (We-Th)	Lux Live Exhibition	London (Lux Live)	Discussion	Various speakers	5

DECEMBER 2016

Date	Title	Location	Format	Presenter	Page
5th (Mo)	An introduction to the TRILUX efficiency calculator		Webinar	Jamie Yates	11

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



On 23rd - 24th November 2016 LuxLive will be returning to ExCeL and will be joined again by two other great events – lightspace.london and Strategies in Light Europe – to create a must-attend show for anyone involved in specifying, manufacturing or designing lighting.

Target group	Lighting designers, electrical consultants, architects, contractors, construction authorities, facility managers and everyone interested in implementing lighting.	
Contents	TRILUX Lighting will not only be exhibiting a selection of their latest products and innovations at the show (please visit Stand K36), but also contributing to the raft of Expert Talks across the two day exhibition. Please check luxlive.co.uk and trilux.com for updates.	
Dates/time	Wednesday, 23/11/2016 to Thursday, 24/11/2016	Participation fee / additional benefits free
Location	Excel Exhibition Centre, London	

LIGHTING & THE DIGITAL REVOLUTION



These year's TRILUX Theme Event in Manchester will focus on the role that Lighting will play in the Digital Revolution. Featuring expert speakers from TRILUX as well a guest speaker, still to be announced, the event will deliver valuable insights into the future of Lighting.



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">• Overview of future Lighting Technologies• How the digital revolution is helping us, reconnect with our biological needs• How to avoid Manual Override: No Technology for the Sake of Technology• Security and Integration: Avoiding the headache
Dates/time	Thursday, 27/10/2016 Manchester 6.00-8.00 pm

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

PLANNING OF INDOOR LIGHTING WITH DIALUX FOR BEGINNERS

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, 28/09/2016 Chelmsford 9.30 am -4.00 pm Wednesday, 14/09/2016 Leeds 9.30 am -4.00 pm
Certificate	Participation certificate

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

DIALUX INTRODUCTION – WITH EVO PREVIEW

Target group	Graduates and newcomers to Lighting Design
Number of participants	Maximum of 15
Learning aim	The seminar will teach you the basics of indoor lighting design using DIALux planning software. Basic lighting design work will be carried out with the help of step-by-step tutorial utilising typical project examples. This course will also provide a short 1 hour module on DIALux EVO to give you a brief insight into what can be achieved with the new software.
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 → correcting input parameters • Introduction to DIALux EVO
Dates/time	Wednesday, 12/10/2016 Chelmsford 9.30 am -4.00 pm
Certificate	Participation certificate

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



Seminar

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



Seminar

Booking number:
SEDE0120
Participation fee / additional benefits:

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



www.trilux-akademie.com/SEDE0120

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? – 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
Dates/time	Wednesday, 02/11/2016 Chelmsford 9.30 am -4.00 pm
Certificate	Participation certificate

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



Booking number:

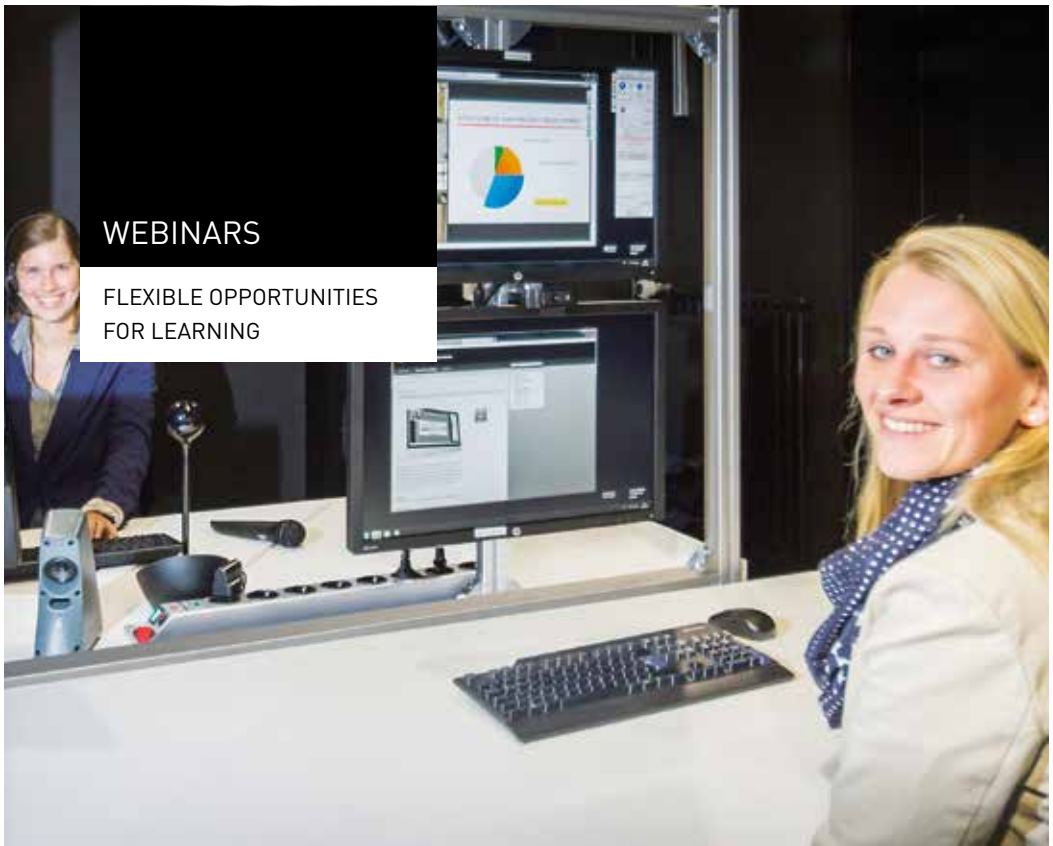
SEDE0522

Participation fee / additional benefits:

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



www.trilux-akademie.com/SEDE522



WEBINARS

FLEXIBLE OPPORTUNITIES
FOR LEARNING



Webinars

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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.

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).



Webinar

Target group	Electrical consultants, contractors, facility managers, operators of lighting systems
Learning aim	Light users are confronted with a wide diversity of performance promises for LED products – but how far can you trust these? This webinar will inform you about the content, practical relevance and user benefits of the new 'ENEC+' designation.
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?
Dates/time	Wednesday, 21/09/16, 1.00 -2.00 pm

Booking number:
WEDE0525
Participation fee / additional benefits:
free



www.trilux-akademie.com/WEDE0525

HCL FOR DEMENTIA



Webinar

Target group	Electrical Consultants and Contractors, as well as End-users, Educators and Healthcare professionals
Learning aim	Light functions as a synchroniser for our inner clock and light has an activating effect. This webinar will inform you about which non-visual effects light has on us and our circadian rhythm, and how it influences our performance capability.
Contents	<ul style="list-style-type: none"> • 24 hours: the human circadian rhythm • Controlled by hormones: activity and relaxation • The master clock: our inner clock • The sun as an example: biologically effective light
Dates/time	Wednesday, 05/10/16, 1.00 -2.00 pm

Booking number:
WEDE0709
Participation fee / additional benefits:
free



www.trilux-akademie.com/WEDE0709



Webinar

Booking number:
WEDE0535
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0535](http://www.trilux-akademie.com/WEDE0535)

Target group	Lighting designers, electrical consultants, architects and everyone interested in implementing lighting.
Learning aim	The relationship between Light and Architecture is not always as seamless as planners would hope it to be. This webinar will give you a clearer understanding of how light can be utilised to enhance a space and accurately present the objects within it.
Contents	<ul style="list-style-type: none"> • Focusing on how light reacts to different spaces, surfaces and colours • How light might be used to add to the dynamic appearance of a space • Can improve the quality of light sources and their ability to reproduce colour accurately • Considering how the updated LG7: Office Lighting, along with the latest research will impact the possibilities for the future
Dates/time	Wednesday, 16/11/16, 1.00 -2.00 pm

AN INTRODUCTION TO THE TRILUX EFFICIENCY CALCULATOR



Webinar

Booking number:
WEDE0610
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0610](http://www.trilux-akademie.com/WEDE0610)

Target group	Electrical & energy consultants, energy representatives
Requirements	Fundamental experience in lighting design
Learning aim	You will get to know the possibilities and operation of the TRILUX online efficiency calculator for lighting and also become familiar with the presetting of relevant parameters.
Contents	<ul style="list-style-type: none"> • What can the efficiency calculator do? • Pre-settings and personalisation • Configuring systems • The influence of light management • Calculation and evaluation • Pay-back and total profit • CO₂ evaluation • Graphic display of results • Report
Dates/time	Monday, 05/12/16, 1.00 -2.00 pm

LUNCHTIME-SEMINARS (CPD)

THE LATEST LIGHTING KNOWLEDGE FOR YOUR EMPLOYEES

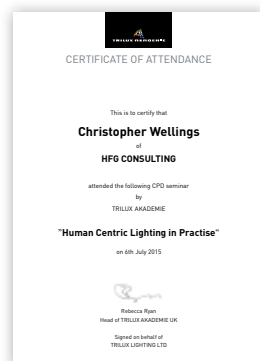


Lunchtime seminars (CPD)

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



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

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





Our presenters: **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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