

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 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.

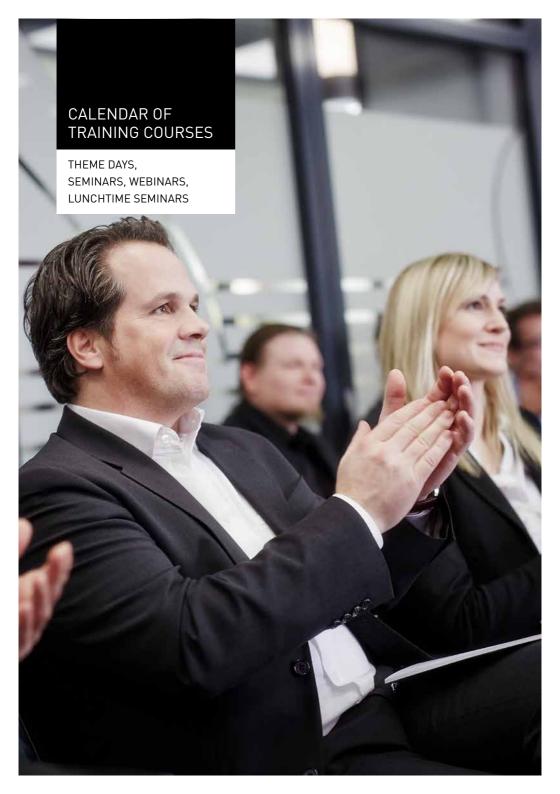
We look forward to seeing you!



Helen Loomes
Head of Akademie
TRILUX LIGHTING LTD UK



Richard Holt Managing Director TRILUX LIGHTING LTD UK



APRIL 2018

Date	Title	Location	Format	Presenter	Page
25th (We)	Planning of Indoor Lighting with	Chelmsford	Seminar	Kate Barmes	8
	Dialux 4 for Reginners with evo Preview				

MAY 2018

Date	Title	Location	Format	Presenter	Page
23rd (We)	HCL 2.0	@	Webinar	Helen Loomes	13

JUNE 2018

Date	Title	Location	Format	Presenter	Page
13th (We)	First digital, then real:		Webinar	Jamie Yates	12
	BIM - Building Information Modelling	₩			

JULY 2018

Date	Title	Location	Format	Presenter	Page
4th (We)	DIALux evo (Indoor and Outdoor Lighting)	Chelmsford	Seminar	Karim Daoudi	9
11th (We)	WELL Building Standard: An overview of the requirements for lighting	e	Webinar	Helen Loomes	11
25th (We)	Light Around the Building	@	Webinar	Helen Loomes	11

AUGUST 2018

Date	Title	Location	Format	Presenter	Page
8th (We)	Maintenance Factors: Challenging the 0.8 default	(2)	Webinar	Jamie Yates	13
29th (We)	Light as a managed service	9	Webinar	Jamie Yates	12

SEPTEMBER 2018

Date	Title	Location	Format	Presenter	Page
11th (Tu)	Introduction to RELUX	Bristol	Seminar	Luke Harrington	7
12th (We)	HCL 2.0	9	Webinar	Helen Loomes	13
on request	LiveLink – Commissioning made simple		Seminar		6

LUNCHTIME SEMINARS / EVENING SEMINAR

Date	Title	Location	Format	Page
on request	HCL 2.0	At your workplace	CPD	15
on request	BIM – Building Information Modelling	At your workplace	CPD	15
on request	Is light a drug?	At your workplace	CPD	16
on request	LED to the Present	At your workplace	CPD	16
on request	What is LG7?	At your workplace	CPD	17
on request	Maintenance Factors: Challenging the 0.8 default	At your workplace	CPD	17
on request	Enhanced capital allowance explained	At your workplace	CPD	18
on request	Light as a managed service	At your workplace	CPD	18
on request	Light around the Building	At your workplace	CPD	19
on request	WELL Building Standard: An overview of the requirements for lighting	At your workplace	CPD	19





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 support for any challenge. Seminars 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

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.

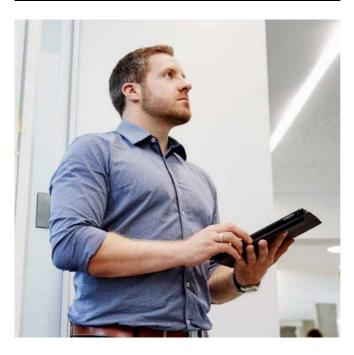


Lunchtime Seminars (CPD)

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.

LIVELINK - COMMISSIONING MADE SIMPLE





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

- Why light management?
 - Efficiency: energy saving with light management
- Comfort: Human Centric Lighting and control needs
- Fundamental knowledge:
 - 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

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Dates/time	Available on request
Certificate	Participation certificate

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









Booking number: SEUK0601 Participation fee / additional benefits:

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



www.trilux-akademie.com/ SEUK0601

INTRODUCTION TO RELUX





Target group	Architects and lighting planners (also beginners and planners in industrial trades)			
Number of participants	Maximum of 10			
Learning aim	Utlising 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	User interface and basic settings Importing CAD plans Selection of luminaires Positioning of luminaires in RELUX Creating interior layout ReluxExpress (Quick Scheduling Tool) Create external layout Simple form of visualization Emergency lighting Exporting and printing			
Dates/time	Tuesday, 11/09/2018 Bristol 9.00 am -4.30 pm			
Certificate	Participation certificate			













Booking number: SEUK0101 Participation fee / additional benefits:

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



www.trilux-akademie.com/ SEUK0101

PLANNING OF INDOOR LIGHTING WITH DIALUX 4 FOR BEGINNERS WITH EVO PREVIEW

DIALux



Target group	Lighting designers, electrical consultants, contractors and facility managers			
Number of participants	Maximum of 10			
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	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, 25/04/2018 Chelmsford 9.30 am -4.30 pm			

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









Booking number: SEUK0105 Participation fee / additional benefits:

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



www.trilux-akademie.com/ SEUK0105

Certificate

DIALUX EVO (INDOOR AND OUTDOOR LIGHTING)

DIAL**ux** evo



Target group	Architects and lighting planners (also beginners and planners in industrial trades)
Number of participants	Maximum of 10
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	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	Wednesday, 04/07/2018 Chelmsford 9.30 am -4.00 pm
Certificate	Participation certificate

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













Booking number: SEUK0102 Participation fee / additional benefits:

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



www.trilux-akademie.com/ SEUK0102





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 most cases we will repeat the broadcast twice during the day to conveniently fit into your own schedule and give you the ideal opportunity to join in.

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	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, 11/07/18, 09.00 -10.00 am Wednesday, 11/07/18, 01.00 -02.00 pm









Booking number: WEUK0701 Participation fee / additional benefits:

free



www.trilux-akademie.com/ WEUK0701

LIGHT AROUND THE BUILDING

Target group	Electrical Consultants, Engineers & Lighting Designers
Learning aim	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
Contents	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 Lense Technology
Dates/time	Wednesday, 25/07/18, 09.00 -10.00 am Wednesday, 25/07/18, 01.00 -02.00 pm

Dates and registrations at www.trilux-akademie.com









Booking number: WEUK0201 Participation fee / additional benefits:

free



www.trilux-akademie.com/ WEUK0201

LIGHT AS A MANAGED SERVICE

TRILUX offers comprehensive services for professional lighting within the circular economy. Optimising the use of goods and materials, re-cycling at the end of their viable life, sustainable manufacturing processes are the basis of good product design and manufacturing, but supply chain sustainability and product life cycle sustainability are integral to the circular economy. When adding the other service requirements such as finance, maintenance, and data management we can start to stretch longevity and balance timing of updates versus energy usage, bringing real value to the future economy.

Target group	Industry, commerce, cities and municipalities
Contents	Basics of the performance standard for luminaires Requirements of LED luminaires Measurement values User benefits ENEC+ as a tender characteristic?
Dates/time	Wednesday, 29/08/18, 09.00 -10.00 am Wednesday, 29/08/18, 01.00 -02.00 pm











Booking number: WEUK0402 Participation fee / additional benefits:

free



www.trilux-akademie.com/ WFUKN4N2

Find out in this webinar how building planning changes in the BIM virtual building model, and how lighting design is integrated within it.

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?

Target group	Architects, Electrical Consultants, Facility Managers
Contents	Building Information ModellingDefinition and standardisationApplication and lighting design
Dates/time	Wednesday, 13/06/18, 09.00 -10.00 am Wednesday, 13/06/18, 01.00 -02.00 pm









Booking number: WEUK0106 Participation fee / additional benefits:

free



www.trilux-akademie.com/ WEUK0106

MAINTENANCE FACTORS: CHALLENGING THE 0.8 DEFAULT

An in depth look at Maintenance Factor calculations in order to give participants a full understanding of why we use 0.8 and why it is wrong to do so by default. The webinar will also give attendees an understanding of various methods that will help to avoid over lighting projects and increase energy efficiency.

Target group	Electrical Consultants, Engineers & Lighting Designers
Contents	 An introduction to Maintenance Factors calculation Why lamp lumen MF matters for LED? The importance of lease length in MF calculations Comparing like with like and Service Life comparison How new standards can help
Dates/time	Wednesday, 08/08/18, 09.00 -10.00 am Wednesday, 08/08/18, 01.00 -02.00 pm









Booking number: **WEUK0103** Participation fee / additional benefits:

free



www.trilux-akademie.com/ WEUK0103

HCL 2.0

There has been a lot of controversy in the lighting industry about using the term Human Centric Light ing 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
Contents	 The psychological element The feel good factor of daylight Energy efficiency versus quality The biological element – visual and non-visual Getting the basics right
Dates/time	Wednesday, 23/05/18, 09.00 -10.00 am Wednesday, 23/05/18, 01.00 -02.00 pm Wednesday, 12/09/18, 09.00 -10.00 am Wednesday, 12/09/18, 01.00 -02.00 pm









Booking number: WEUK0702 Participation fee / additional benefits:

free



www.trilux-akademie.com/ WEUK0702





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 organisor 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.



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	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	The psychological element The feel good factor of daylight Energy efficiency versus quality The biological element – visual and non-visual Getting the basics right
Duration	approx. 1 hour
Certificate	Participation certificate









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

FIRST DIGITAL, THEN REAL: BIM – BUILDING INFORMATION MODELLING

Find out in this CPD how building planning changes in the BIM virtual building model, and how lighting design is integrated into this.

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?

Target group	Architects, Electrical Consultants, Facility Managers
Contents	Building Information ModellingDefinition and standardisationApplication and lighting design
Duration	approx. 1 hour
Certificate	Participation certificate









IS LIGHT A DRUG?



If we feel strengthened by the morning sun or relax when walking in the evening sunset, this is not just imagined and is not accidental either, because sunlight changes its colour composition during the course of the day to influence 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 – prompting melatonin levels to increase which is the key to a good night's sleep. Because people mostly spend their time inside these days 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	 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	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











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 2016.

Target group	Design Engineers, Electrical Consultants, Lighting Designers, Contractors, Architects & Facility Managers
Contents	 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









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MAINTENANCE FACTORS: CHALLENGING THE 0.8 DEFAULT

An in depth look at Maintenance Factor calculations in order to give participants a full understanding of why we use 0.8 and why it is wrong to do so by default. The webinar will also give attendees an understanding of various methods that will help to avoid over lighting projects and increase energy efficiency.

Target group	End Users, Electrical Consultants, Engineers & Lighting Designers
Contents	 A Quick recap Evaluating Time The Elephant in the room 0.8 Standards Life & Degradation CLO Examples Tips
Duration	approx. 1 hour
Certificate	Participation certificate









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	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









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Duration	approx. 1 hour
Certificate	Participation certificate









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Contents	 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
Duration	approx. 1 hour
Certificate	Participation certificate









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Target group	Electrical Consultants, Lighting Designers & Architects
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Duration	approx. 1 hour
Certificate	Participation certificate





















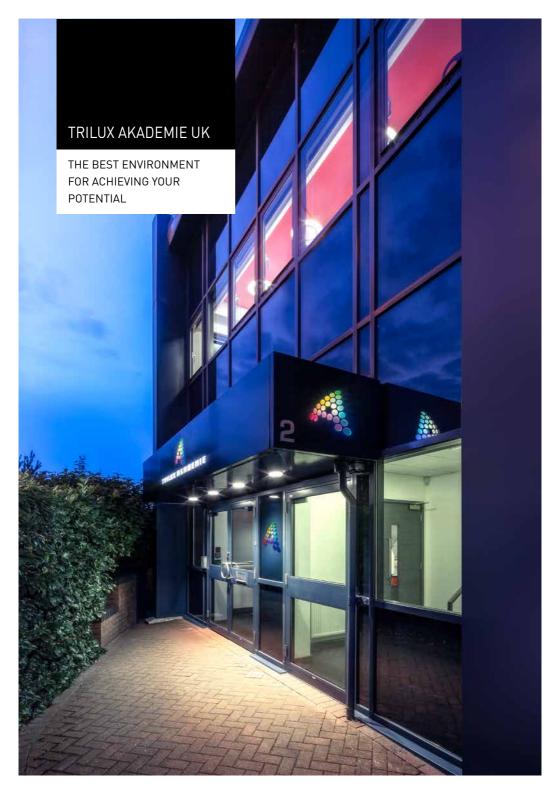


Ben Peters-Jones



Kate Barmes

Karim Daoudi





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

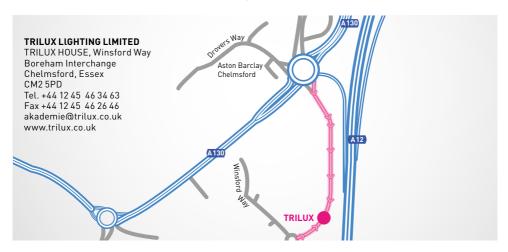
The TRILUX Akademie at our Chelmsford site is equipped to the very latest standards. Bright and friendly lighting in each room shows how ideal light helps towards a highly pleasant atmosphere for learning. The right surroundings are waiting for you for every topic: display areas, training and meeting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





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.



EDUCATION IN LIGHT – ACROSS EUROPE

TRILUX AKADEMIE LOCATIONS





United Kingdom

TRILUX HOUSE, Winsford Way Boreham Interchange Chelmsford, Essex CM2 5PD

www.trilux-akademie.com

United Arab Emirates

Middle East Representative Office Bldg: 5EA, Office No: 808 & 810 P.O. Box: 371040 DAFZA, Dubai

Austria

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France

Aéroparc 1 5 rue Pégase CS 10162 F- 67960 Entzheim

Germany

Heidestraße D-59759 Arnsberg

Netherlands

Hardwareweg 5 NL-3821 BL Amersfoort

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Belgium

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