



TRILUX AKADEMIE

TRAINING
FOR LIGHTING
PROFESSIONALS



SEP 2017 – FEB 2018

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 2017

Date	Title	Location	Format	Trainer	Page
6th (Tu)	Light around the Building		Webinar	Helen Loomes	11

OCTOBER 2017

Date	Title	Location	Format	Presenter	Page
4th (We)	TRILUX Light Services – Design, efficiency & Finance		Webinar	Jamie Yates	12
11th (We)	DIALux evo for Beginners (Indoor and Outdoor Lighting)	Manchester	Full-day Training	Ben Peters-Jones	8

NOVEMBER 2017

Date	Title	Location	Format	Presenter	Page
1st (We)	Introduction to Relux	Chelmsford	Full-day Training	Luke Harrington	9
15th (We)	First digital, then real: BIM – Building Information Modelling		Webinar	Jamie Yates	12
23rd (We)	Manchester Event (Title TBC)	Manchester	Theme event	Helen Loomes	7

DECEMBER 2017

Date	Title	Location	Format	Presenter	Page
6th (We)	DIALux evo for Beginners (Indoor and Outdoor Lighting)	Chelmsford	Full-day Training	Ben Peters-Jones	8

JANUARY 2018

Date	Title	Location	Format	Presenter	Page
31st (We)	WELL Building Standard: An overview of the requirements for lighting		Webinar	Helen Loomes	11

FEBRUARY 2018

Date	Title	Location	Format	Presenter	Page
21st (We)	Maintenance Factors: Challenging the 0.8 standard		Webinar	Jamie Yates	13
28th (We)	Introduction to Relux	Manchester	Full-day Training	Luke Harrington	9

LUNCHTIME SEMINARS

Date	Title	Location	Format	Page
on request	Is light a drug?	At your workplace	CPD	15
on request	LED to the Present	At your workplace	CPD	15
on request	What is LG7?	At your workplace	CPD	16
on request	New Light, new code, new approach	At your workplace	CPD	16
on request	Enhanced capital Allowance explained	At your workplace	CPD	17
on request	ENEC+: Putting product data credibility first	At your workplace	CPD	17

EVENING SEMINAR

Date	Title	Location	Format	Page
on request	Light Around the Building	At your workplace	CPD & Workshop	18



INDOOR.OUTDOOR.LIGHT



This year's TRILUX Theme Event in Manchester will focus on the topic of Indoor.Outdoor.Light. Featuring expert speakers from TRILUX as well as a guest speaker, still to be announced, the event will deliver valuable insights into the future of both interior and exterior Lighting.



Theme event

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 Indoor.Outdoor.Light• How the digital world is effecting the sphere of exterior lighting• How to maximise design impact• Security and Integration in the digital age
Dates/time	Wednesday, 23/11/2017 Manchester 6.30-8.30 pm
Certificate	Participation certificate

Booking number:
TGUK0401
**Participation fee /
additional benefits:**

free



[www.trilux-akademie.com/
TGUK0401](http://www.trilux-akademie.com/TGUK0401)

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	Wednesday, 11/10/2017 Manchester 9.30 am -4.00 pm Wednesday, 06/12/2017 Chelmsford 9.30 am -4.00 pm
Certificate	Participation certificate

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



Seminar

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



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

Number of participants Maximum of 8

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

- 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 Wednesday, 01/11/2017 Chelmsford 9.30 am -4.00 pm
Wednesday, 28/02/2018 Manchester 9.30 am -4.00 pm

Certificate Participation certificate

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

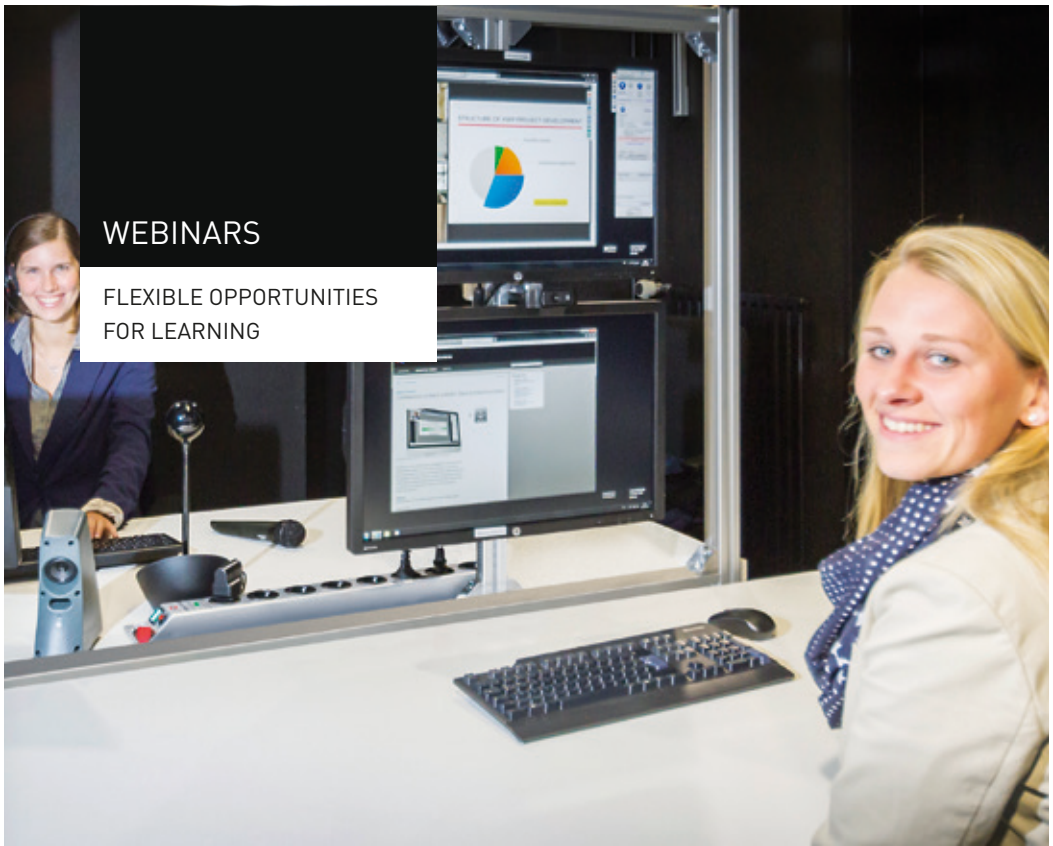


Booking number:
SEUK0101
Participation fee /
additional benefits:

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



www.trilux-akademie.com/SEUK0101



WEBINARS

FLEXIBLE OPPORTUNITIES
FOR LEARNING



Webinars

Education and training conveniently from your home or workplace: online seminars by the TRILUX Akademie are not only highly convenient but also reduce effort in terms of travel, time and costs. Participants are informed in virtual seminar rooms about 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.

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, 31/01/18, 1.00 -2.00 pm



Booking number:
WEDE0712
Participation fee /
additional benefits:

free



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

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	<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 Lense Technology
Dates/time	Wednesday, 06/09/17, 1.00 -2.00 pm



Booking number:
WEUK0201
Participation fee /
additional benefits:

free



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

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, 04/10/17, 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, 15/11/17, 1.00 -2.00 pm

Booking number:
WEDE0119
Participation fee /
additional benefits:

free



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

MAINTENANCE FACTORS: CHALLENGING THE 0.8 STANDARD



Target group	Electrical Consultants, Engineers & Lighting Designers
Learning aim	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.
Contents	<ul style="list-style-type: none">• 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, 21/02/18, 1.00 -2.00 pm

Booking number:
WEDE0810
Participation fee /
additional benefits:

free



[www.trilux-akademie.com/
WEDE0810](http://www.trilux-akademie.com/WEDE0810)

LUNCHTIME-SEMINARS (CPD)

THE LATEST LIGHTING KNOWLEDGE FOR YOUR EMPLOYEES

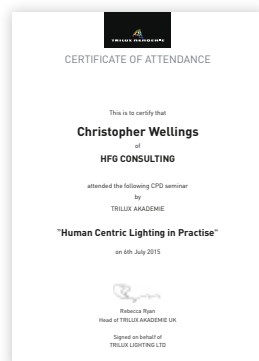


Lunchtime seminars (CPD)

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.

LIGHT AROUND THE BUILDING

Target group	Electrical Consultants, Engineers & Lighting Designers
Learning aim	In this evening CPD and hands on workshop 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	<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 Lense Technology
Dates/time	on request




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

TRILUX AKADEMIE UK

THE BEST ENVIRONMENT
FOR ACHIEVING YOUR
POTENTIAL





DIVERSE EXPERTISE

TRAINED BY COMPETENT
PROFESSIONALS



Jamie Yates MSL



Helen Loomes MSL





Ben Peters-Jones



Luke Harrington





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.



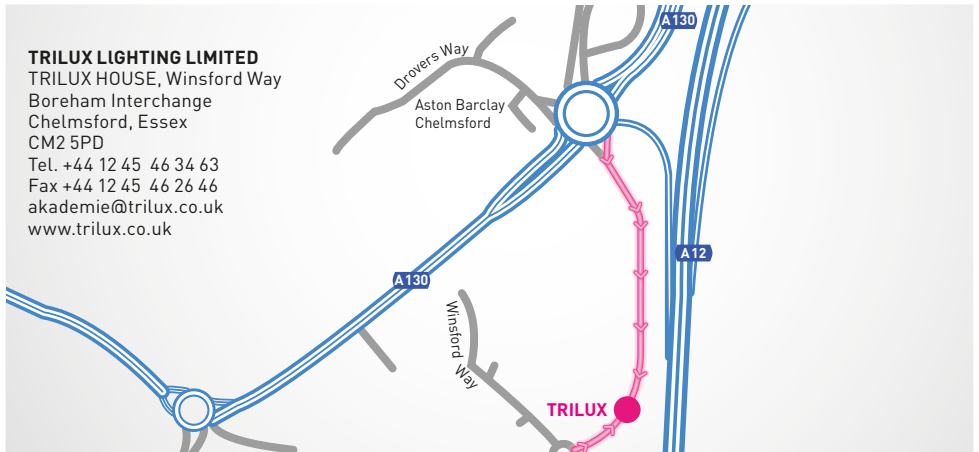
CONTACT POINT

PLEASE CONTACT US



The Contact Team: Gemma Donaldson, Tara Appleton

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.



TRILUX LIGHTING LIMITED
TRILUX HOUSE, Winsford Way
Boreham Interchange
Chelmsford, Essex
CM2 5PD
Tel. +44 12 45 46 34 63
Fax +44 12 45 46 26 46
akademie@trilux.co.uk
www.trilux.co.uk

EDUCATION IN LIGHT – ACROSS EUROPE

TRILUX AKADEMIE
LOCATIONS

Chelmsford

Amersfoort

Mechelen

Arnsberg

Namur

Entzheim

Wien



United Kingdom

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

www.trilux-akademie.com

Germany

Heidestraße
D-59759 Arnsberg

France

Aéroparc 1
5 rue Pégase
CS 10162
F- 67960 Entzheim

Austria

Modecenterstraße 17
Business Park Marximum
Unit 2/4.0G
A-1110 Wien

Netherlands

Hardwareweg 5
NL-3821 BL Amersfoort

Belgium

Generaal de Wittelaan 9/18
B-2800 Mechelen
Burogest Office Park
Avenue des dessus de Lives 2
B-5101 Namur

