



TRILUX AKADEMIE

KNOWLEDGE
DEVELOPMENT
FOR LIGHTING
PROFESSIONALS



PROGRAMME 2024

INTRODUCTION

WELCOME TO THE UK
& IRELAND TRILUX AKADEMIE
PROGRAMME FOR 2024



At the start of 2023 we re-launched the Akademie here in the UK. 2023 was a busy year with the demand for both internal and external knowledge at an all time high. During the year we also received requests for presentations from our customers in Ireland.

We finished 2023 by having a presence at the CIBSE Build2Perform/Light2Perform show at EXCEL London in December where we had our own stand, completed 2 x lunchtime presentations and also represented the Society of Light & Lighting as a panellist or as a guest speaker.

For 2024 you will note that where relevant, we have added a version of our presentations specifically aligned to either UK or Irish legislation and standards. Just look for the  in the 2024 programme to indicate where the Republic of Ireland version is available.

We have also added some new presentations to our 2024 knowledge portfolio.

We are pleased to confirm that our customer feedback ratings for 2023 year to-date are:

95.5%

TRILUX UK
internal staff

94.5%

TRILUX UK
customers

Our purpose

The UK & Ireland Akademie's purpose is to provide structured and informative knowledge-sharing to our customers and staff.

Lighting-related legislation, standards, applications and technology are constantly changing subjects.

The object of the UK & Ireland Akademie is to distil relevant subject matter into webinars, seminars and lunchtime presentations.

Presentation methods

Lunchtime presentations can be delivered in-person at your offices, subject to location and the anticipated number of attendees. During 2023 we have also noticed the trend for hybrid lunchtime presentations where in addition to presenting in person, the presentation is also live streamed to the customers remote staff who cannot attend in person. Alternatively, the arrangement may be just for a on line lunchtime presentation.

The TRILUX Akademie can also issue e-certificates for attendance where appropriate, as a means of evidencing annual CPD quotas.

The UK & Ireland's target audience is architects, lighting designers, electrical engineers, design & build electrical contractors, facilities managers or anyone working at a professional level with electric light.

Additionally we are often asked to present the modules from the foundation series to newly qualified electrical engineers who need to know more about lighting. Once completed, many newly qualified engineers request specific intermediate and advanced level modules that are relevant to their work-stream. Often these newly qualified engineers inadvertently become the office CPD co-ordinator and arrange lunchtime sessions that are also of interest to other colleagues in the practice.

The presentations are tiered into 3 knowledge levels:

Presentation level	Target audience
Foundation	Electrical engineers, facilities managers and electrical contractors wishing to expand their understanding of lighting
Intermediate	Presentations for CPD, electrical engineers, lighting designers, architects & facilities managers
Advanced	Presentations for CPD, electrical engineers, lighting designers, architects & facilities managers

If your organisation would like knowledge sharing on a subject not listed, please let us know, as in some cases we are able to tailor presentations to our customers specific requests.

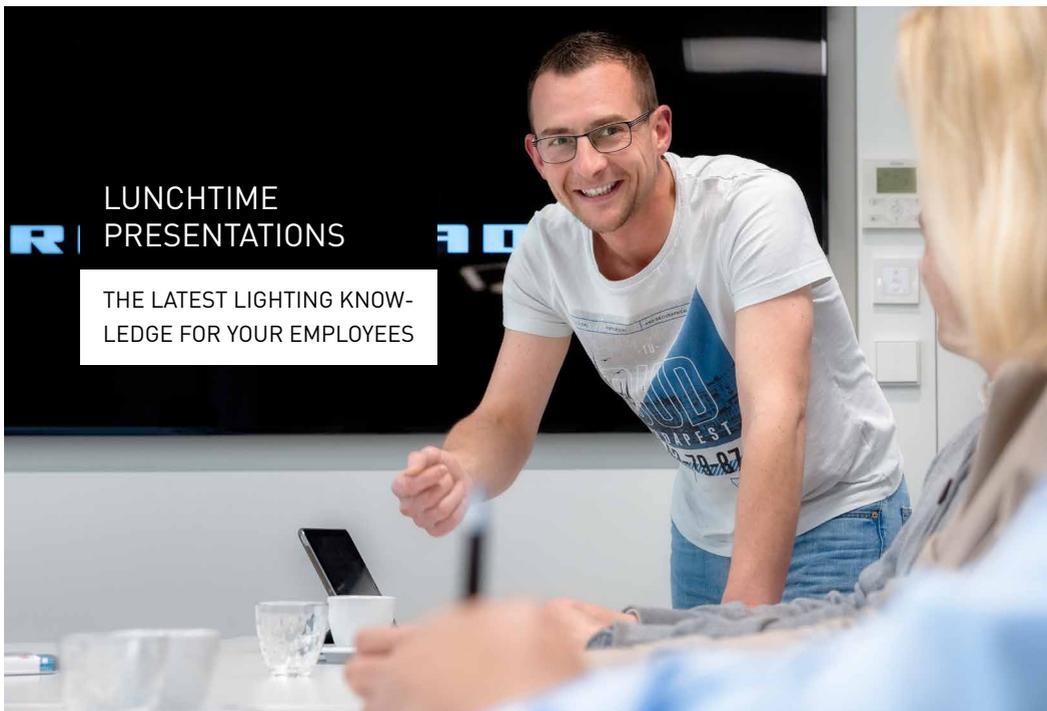
We look forward to seeing you!



Sophie Parry CEng MIET FSLL
Head of Akademie
TRILUX LIGHTING LTD UK

LUNCHTIME PRESENTATIONS

THE LATEST LIGHTING KNOWLEDGE FOR YOUR EMPLOYEES



Lunchtime presentations

Whilst all of our Akademie training can be logged as part of your Continuous Professional Development, our lunchtime presentations are specifically designed to meet that aim in the most convenient way possible for you.

We understand that your working day is already extremely full and so, as the name suggests, these seminars are held during your lunchbreak or other convenient time, taking no longer than an hour. Our contact team will work with your company's CPD organiser to make a seamless booking and delivery of a lunchtime presentation either on your premises or on a mutually agreed virtual platform.

These free seminars are hosted by highly qualified technical experts, trained for teaching. Following the seminar all participants will receive a copy of the presentation and a CPD certificate.

If you are interested in one or more lunchtime presentations, please contact

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LIGHTING FUNDAMENTALS – MODULE 1 LIGHTING TERMINOLOGY

This presentation is aimed at the relative newcomer to lighting, and who would like to know, what the headings and jargon found on a typical luminaire data sheet or in a luminaire brochure mean and look like.

Target Audience	Anyone new to the lighting industry, newly qualified electrical engineers, facilities managers and electrical contractors
Presentation level	Foundation
Reference	AKUK 006

LIGHTING FUNDAMENTALS – MODULE 2 LIGHTING LEGISLATION, STANDARDS AND BEST-PRACTICE GUIDES

This presentation is aimed at the relative newcomer to lighting and would like to know which UK legislation applies to lighting projects. The presentation also covers the differences between legislation, standards and best-practice guides and their application.

Target Audience	Anyone new to the lighting industry, newly qualified electrical engineers, facilities managers and electrical contractors
Presentation level	Foundation
Reference	AKUK 007

LIGHTING FUNDAMENTALS – MODULE 3 EMERGENCY LIGHTING

This presentation is aimed at the newcomer emergency lighting and explains some of the acronyms used and the approach to design as emergency lighting is also classed as a life safety system.

Target Audience	Newly qualified electrical engineers, facilities managers and electrical contractors
Presentation level	Foundation
Reference	AKUK 015

LIGHTING FUNDAMENTALS – MODULE 4

LIGHTING CONTROLS

This presentation is aimed at the newcomer to lighting controls and explains some of the acronyms used and the various types of lighting controls and their benefits.

Target Audience	Newly qualified electrical engineers, facilities managers and electrical contractors
Presentation level	Foundation
Reference	AKUK 017

OFFICE – EVOLVNG TRENDS IN OFFICE LIGHTING

This presentation explores how the office is evolving post-lockdown in terms of the road to Net Zero Carbon, the shift towards hybrid working, evolving legislation & standards and why CAT A is not always the best approach. This presentation also covers the emerging applications for break out spaces, melanopic lighting and what you should know about lighting for biophilic environments.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Intermediate
Reference	AKUK 008

RETAIL – LIGHTING FOR RETAIL SPACES

Retail spaces require more than just lighting. Depending on the products on sale and the brand ethos, the lighting design & selected luminaires can make or break the effectiveness of the space. This presentation looks at the building blocks of retail lighting design and the nuances of lighting to influence customer choice.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Intermediate
Reference	AKUK 012

INDUSTRY – LIGHTING FOR WAREHOUSE AND DISTRIBUTION CENTRES

This presentation puts into context the growing market for warehousing & distribution space, the key considerations for indoor and external lighting. Ambient, chilled and cold storage, emergency lighting, lighting controls, sustainability & circularity, then concludes with a case-study on the key benefits of a refurbishment project.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Intermediate
Reference	AKUK 003

LIGHTING REFURBISHMENT PROJECTS

Refurbishing a lighting installation can mean many things to many people. This presentation follows a logical format for decision-makers in relation to legislation, product & application standards, ensuring lighting quality, sustainable outcomes & technical considerations such as legacy emergency lighting.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors.
Presentation level	Intermediate
Reference	AKUK 009

OUTDOOR – INTRODUCTION TO EXTERNAL LIGHTING

This presentation looks at the different applications and considerations when designing external lighting applications for use in and around a building, including emergency lighting and lighting controls.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and and electrical contractors
Presentation level	Intermediate
Reference	AKUK 016



Lighting data centres, particularly data halls and external lighting when LEED certification is required present many unusual challenges for the lighting designer and specifier.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Intermediate
Reference	AKUK 018

INTRODUCTION TO EMERGENCY LIGHTING DESIGN

Emergency lighting design and specification requires a different mind-set when compared to general purpose lighting. Emergency lighting is classed as a life safety system and therefore there are legal obligations to fulfil when designing, specifying, project managing and the handover of a completed project. This presentation looks at the underlying legislation, fire risk assessment/ fire plan information required prior to commencing a design & quotation, design of escape route lighting, adjacent area lighting, hi-risk areas, exit signage and the pros and cons of manual vs automatic testing and monitoring. The presentation concludes with information on hand-over documentation and the end-users legal obligation to ensure the emergency lighting is fit for purpose and practical ways to meet the legal obligation.

Target Audience	Lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Advanced
Reference	AKUK 004



The 2021 release of BS EN 12464-1 has been met with controversy by some lighting designers. The standard has raised lighting levels for many applications as a means of addressing the variable of individual visual acuity in the workforce. So how can compliance be achieved as the UK legislates for lower lighting energy use as part of the route to Net Zero Carbon? This presentation looks at the new & revisited lighting quality recommendations in BS EN 12464-1:2021 and evolving design methods to deliver lighting quality and meet energy reduction expectations.

Target Audience	Lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Advanced
Reference	AKUK 001

EMERGENCY LIGHTING & CENTRAL POWER SYSTEMS



The attendee should have pre-existing knowledge of emergency lighting design, via TRILUX UK introduction to emergency lighting (AKUK 004) e.g. There are specific benefits for specifying a central battery based emergency lighting system. One area that requires careful consideration is the installation, particularly when central battery emergency lighting is installed via modular lighting trunking such as the TRILUX E Line system for applications such as warehouses, manufacturing areas and data centres. This presentation addresses the more specialised knowledge required to deliver a compliant solution.

Target Audience	Lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Advanced
Reference	AKUK 002

LIGHTING CONTROLS – FIRST PRINCIPLES OF DESIGN & SPECIFICATION



This presentation follows the structure of the Society of Light & Lighting's Lighting Guide 14 Control of Electric Light (2023 version). The design methodology for the first principles for the specification of lighting controls in LG 14 is one of the most complete and in-depth publications available to the lighting controls specifier. Our own Sophie Parry is the author of LG 14, so when possible, the presentation will be delivered by Sophie.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Advanced
Reference	AKUK 014

WELL 2 & LIGHTING

This presentation looks at the requirements for the lighting pre-requisites and then each optimisation and how to comply, what standards are acceptable alternatives in the EU & UK when the default US standard is not used or applicable. In addition this presentation covers melanopic light, the benefits and how to model & verify when optimisation L03 is a project requirement. WELL 2 is not overly concerned with lighting energy, but in the real world this will almost certainly be a project consideration, so this topic is additionally covered.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Advanced
Reference	AKUK 005

OUTDOOR – EXTERNAL LIGHTING & LIGHT POLLUTION



This presentation covers the basics of best-practice external lighting design & the growing awareness of the unintended consequences of light pollution, which is rapidly becoming a global problem due to the large scale adoption of external LED lighting. Currently, UK legislation only partly addresses the problem, but there is a growing dark skies movement beyond legislation that is developing solutions that can be applied now.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
Presentation level	Advanced
Reference	AKUK 011

MAINTENANCE FACTOR & LENI

This presentation looks at how a maintenance factor is calculated and what effect it can have on operational lighting energy. The presentation also looks at the 3 lighting controls variables in the LENI (lighting energy numeric indicator) calculation and in particular, the constant illuminance factor before attempting a LENI calculation and the Part L compliance alternatives required for some applications.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
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Presentation level	Advanced
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Reference	AKUK 019
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INDUSTRY – LIGHTING FOR CLEAN ROOMS AND FOOD PRODUCTION

This presentation looks at the specialist lighting products and certification as well as the applications required for clean rooms and food production/storage areas.

Target Audience	Architects, lighting designers, electrical engineers, facilities managers and electrical contractors
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Presentation level	Advanced
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Reference	AKUK 020
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TRILUX AKADEMIE UK

THE BEST ENVIRONMENT
FOR ACHIEVING YOUR
POTENTIAL





Fresh ideas need room to think and learn – but this could be in reality or virtually

All the TRILUX Akademie sites are 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.



CONTACT POINT

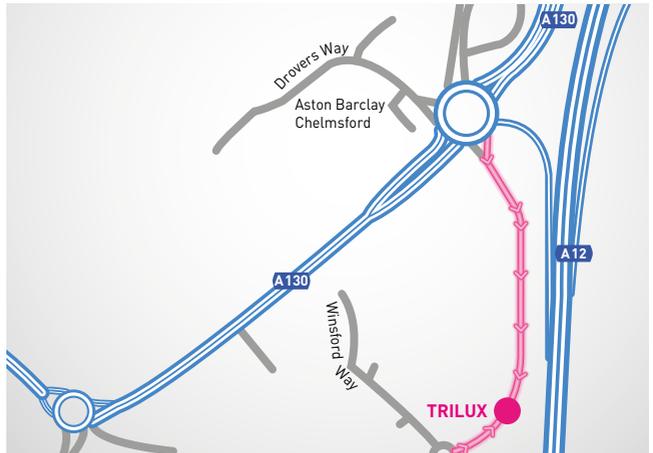
PLEASE CONTACT US



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

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EDUCATION IN LIGHT – ACROSS EUROPE

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