



**TRILUX AKADEMIE**

KNOWLEDGE  
DEVELOPMENT  
FOR LIGHTING  
PROFESSIONALS



PROGRAMME 2023

## INTRODUCTION

### **Welcome to the UK TRILUX Akademie**

The UK Akademie's purpose is to provide structured and informative knowledge sharing to TRILUX UK customers.

Lighting related legislation, standards, applications and technology are constantly changing subjects. The objective of the TRILUX UK Akademie is to distil relevant subject matter into webinars, seminars and lunchtime presentations.

Lunchtime presentations can be delivered in-person at your offices, subject to location and expected attendees or remotely via a Teams meeting.

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

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

The presentations are tiered to 3 knowledge levels- fundamental, intermediate and advanced.

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<b>Presentation level</b>	<b>Target audience</b>
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Foundation	Electrical engineers, facilities managers and electrical contractors wishing to expand their understanding of lighting
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Intermediate	Presentations for CPD, electrical engineers, lighting designers, architects & facilities managers
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Advanced	Presentations for CPD, electrical engineers, lighting designers, architects & facilities managers
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If you would like relevant knowledge sharing on a subject not listed, please let TRILUX UK know, as in some cases, we are able to tailor presentations for our customers specific requests.

We look forward to seeing you!

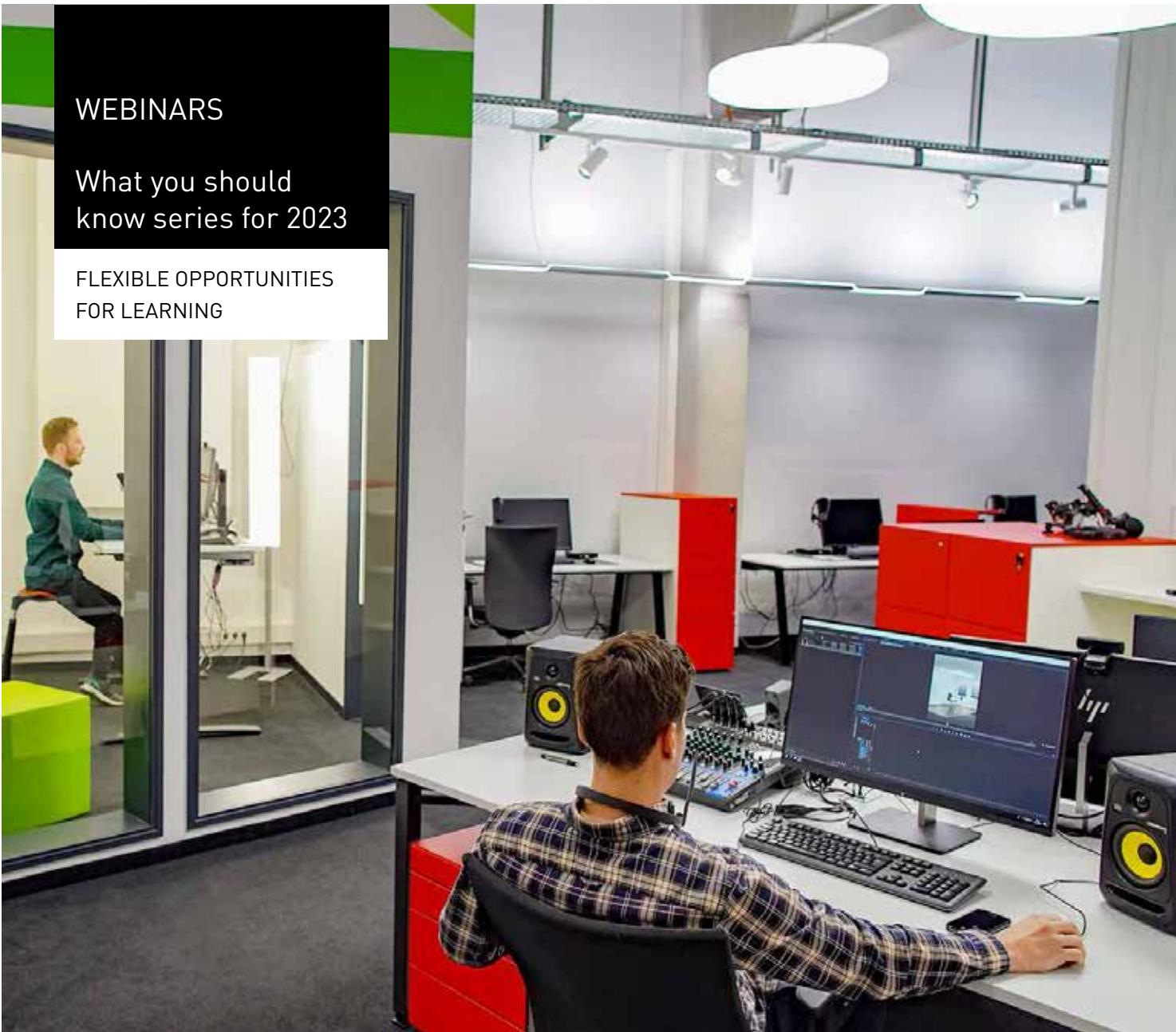


**Sophie Parry** CEng MIET FLL  
Head of Akademie. Trilux Lighting Ltd UK

## WEBINARS

What you should know series for 2023

FLEXIBLE OPPORTUNITIES FOR LEARNING



### Webinars/Webcasts

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.

## LIGHTING REFURBISHMENT PROJECTS - what you should know

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.

<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 009
<b>Presentation level</b>	Intermediate
<b>Webinar dates and registration</b>	Webinar dates will be announced via LinkedIn, please follow TRILUX for early notification. Registration via LinkedIn post or visit <a href="http://www.trilux-akademie.com">www.trilux-akademie.com</a>

## EXTERNAL LIGHTING & LIGHT POLLUTION - what you should know

This webinar 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.

<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 011
<b>Presentation level</b>	Intermediate
<b>Webinar dates and registration</b>	Webinar dates will be announced via LinkedIn, please follow TRILUX for early notification. Registration via LinkedIn post or visit <a href="http://www.trilux-akademie.com">www.trilux-akademie.com</a>

## EVOLVING TRENDS IN OFFICE LIGHTING - what you should know

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.

<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 008
<b>Presentation level</b>	Intermediate
<b>Webinar dates and registration</b>	Webinar dates will be announced via LinkedIn, please follow TRILUX for early notification. Registration via LinkedIn post or visit <a href="http://www.trilux-akademie.com">www.trilux-akademie.com</a>



## LIGHTING FUNDAMENTALS- MODULE 1 LIGHTING TERMINOLOGY

This presentation is aimed at the relative newcomer to lighting and 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.

<b>Target Audience</b>	Anyone new to the lighting industry, newly qualified electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 006
<b>Presentation level</b>	Foundation
<b>TRILUX UK Akademie contact</b>	Gemma Donaldson G.Donaldson@trilux.co.uk +44 1245 236 325 +44 7958 331 458



### LUNCHTIME PRESENTATIONS

THE LATEST LIGHTING KNOWLEDGE FOR YOUR EMPLOYEES

## 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.

<b>Target Audience</b>	Anyone new to the lighting industry, newly qualified electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 007
<b>Presentation level</b>	Foundation
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### Lunchtime presentations

Lunchtime presentations are designed to effectively transfer lighting knowledge that can be certified and logged as continuing professional development (CPD) and are presented as appropriate, either in person or remotely via Microsoft Teams.

We understand that your working days are busy and so, as the name suggests, these seminars are held during your lunchbreak or other convenient time.

The Akademie's lunchtime presentations are either application based or more in-depth core subjects that could apply to any lighting application.

Our UK Akademie team will work with your CPD organiser to confirm the arrangements to ensure a successful seminar. Post seminar, e certificates are available on request to confirm attendance for individual CPD records.



## OFFICE- EVOLVING 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.

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<b>Reference</b>	AKUK 008
<b>Presentation level</b>	Intermediate
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## INDUSTRY- LIGHTING FOR WAREHOUSES 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.

<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 003
<b>Presentation level</b>	Intermediate
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## 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.

<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 012
<b>Presentation level</b>	Intermediate
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<b>Presentation level</b>	Intermediate
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## EXTERNAL LIGHTING & LIGHT POLLUTION

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## BS EN 12464-1:2021 INDOOR WORKPLACE LIGHTING- LIGHTING QUALITY VS DECARBONISATION

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.

<b>Target Audience</b>	Lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 001
<b>Presentation level</b>	Advanced
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## 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 and project managing the hand-over 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.

<b>Target Audience</b>	Lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 004
<b>Presentation level</b>	Advanced
<b>TRILUX UK Akademie contact</b>	Gemma Donaldson G.Donaldson@trilux.co.uk +44 1245 236 325 +44 7958 331 458

## 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.

<b>Target Audience</b>	Lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 002
<b>Presentation level</b>	Advanced
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## 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.

<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 014
<b>Presentation level</b>	Advanced
<b>TRILUX UK Akademie contact</b>	Gemma Donaldson G.Donaldson@trilux.co.uk +44 1245 236 325 +44 7958 331 458

## 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.

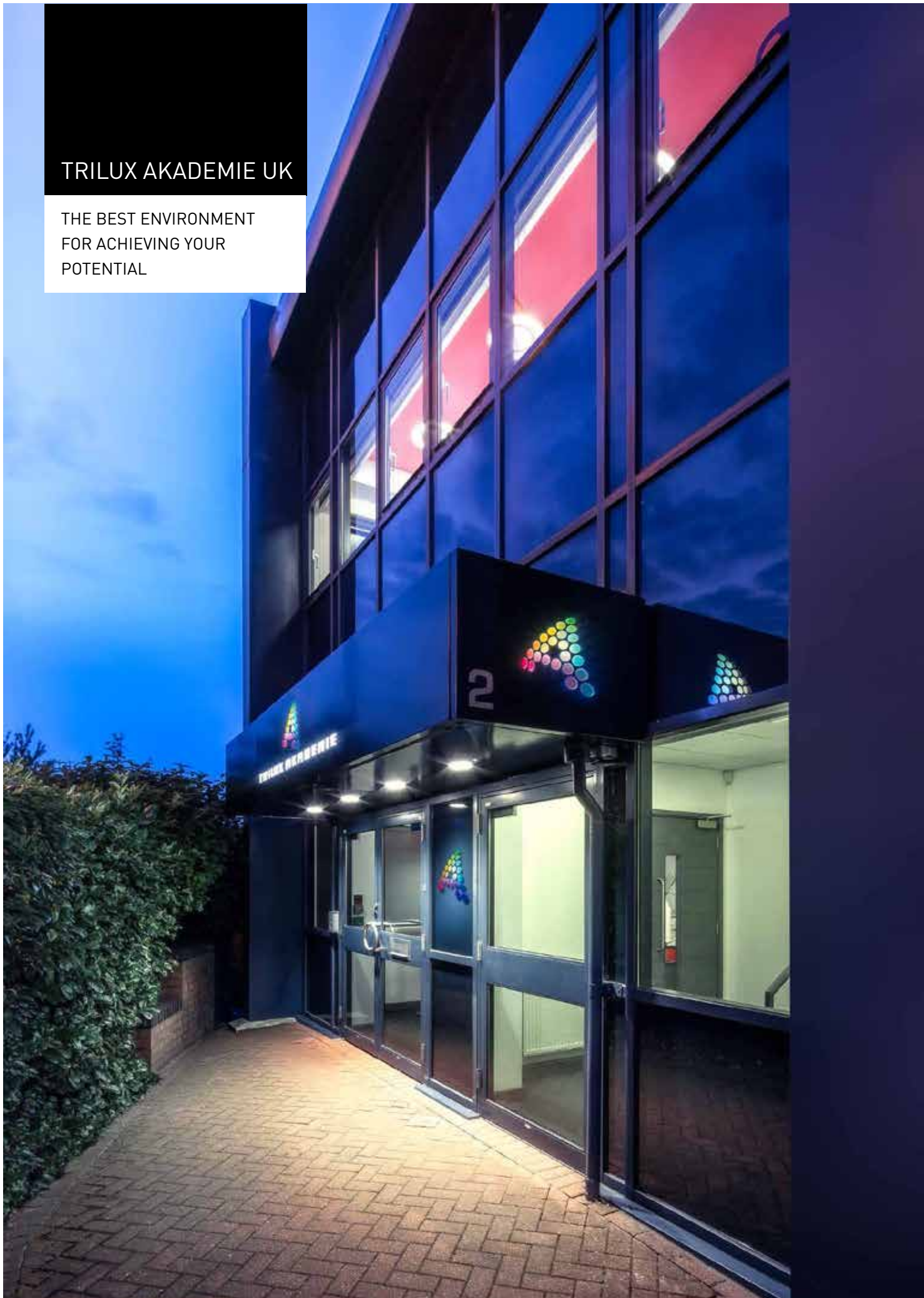
<b>Target Audience</b>	Architects, lighting designers, electrical engineers, facilities managers & electrical contractors
<b>Reference</b>	AKUK 005
<b>Presentation level</b>	Advanced
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TRILUX AKADEMIE UK

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.

New virtual sessions are also designed to re-create this ideal – we use trusted and seamless platforms to suit the attendees requirements. Videos and 3D renderings are used to show as much detail as possible, whilst participation and discussion are encouraged to aid engagement.





## CONTACT POINT

PLEASE CONTACT US



**Your contact:** Gemma Donaldson

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

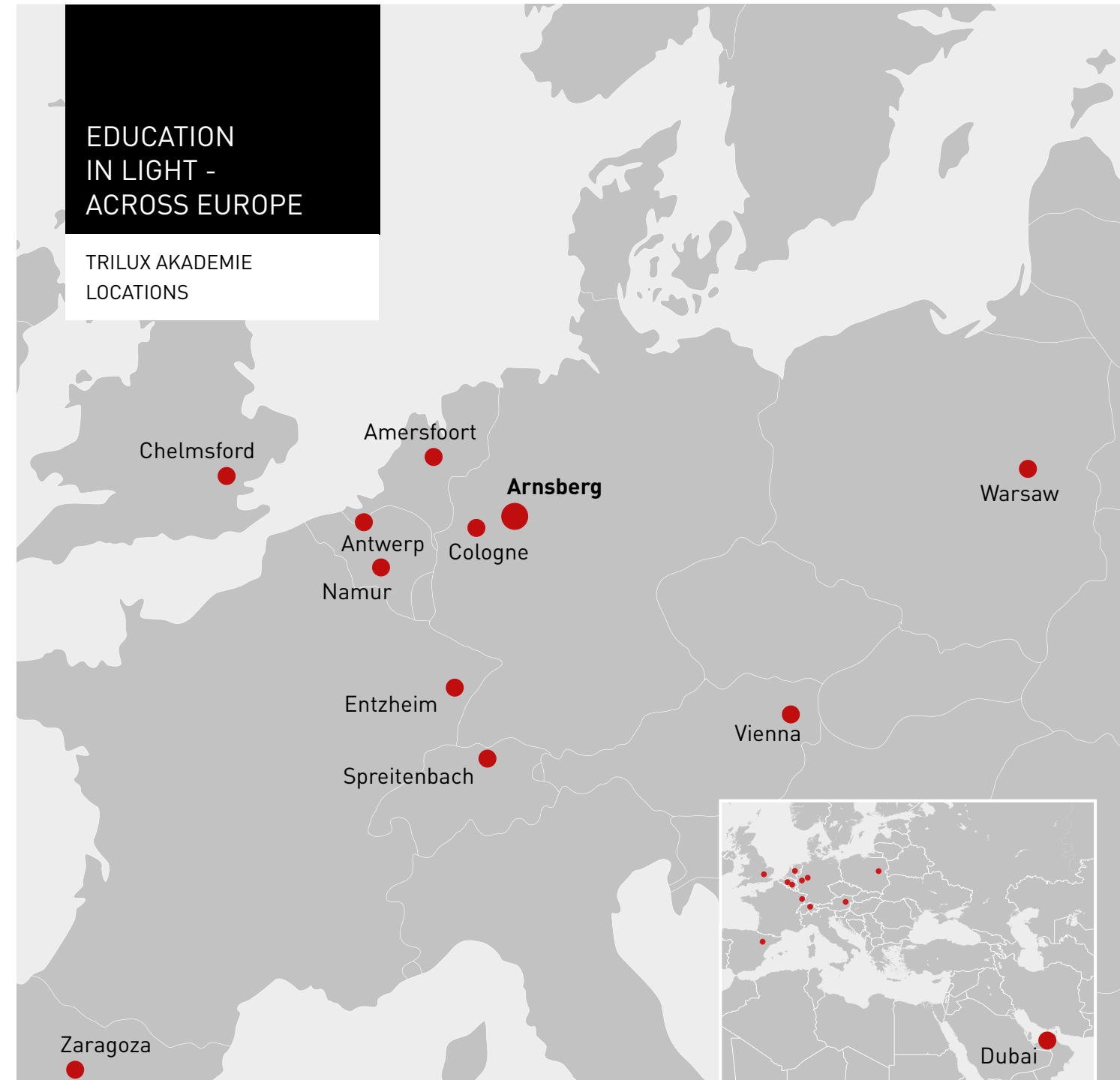
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## EDUCATION IN LIGHT - ACROSS EUROPE

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