

# Lutron EA Ltd



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## CPD Overview

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## Available CPD Material (15)

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Multiple formats

### Next Level Lighting and Controls - A Guide to Lighting Features in WELL v2

This seminar introduces the WELL Building Standard before focusing on the lighting and daylighting related aspects, with a particular focus on how lighting, lighting controls and (automated) shading systems can support accreditation to WELL Building standard as well as occupant comfort and wellbeing.

This CPD aims to give delegates:

1. An introduction to the WELL Building Standard and it's version 2.
2. A detailed overview of the lighting and daylighting features that appear in the new WELL standard.
3. Guidance on how to meet the requirements in each of the lighting features.

By the end of this seminar delegates should:

1. Understand the purpose and structure of the WELL Building Standard version 2.
2. Be equipped to cite multiple strategies that can be implemented to meet the requirements of Feature L03 Circadian Lighting Design.
3. Understand how lighting controls can be used to achieve the requirements of Feature L09 Occupant Lighting Control of the WELL Building Standard v2.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Health, safety and wellbeing**  
**Legal, regulatory and statutory compliance**

Knowledge level: General Awareness

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### Specifying Motorised Blinds & Their Fabrics to Meet Occupant Needs

Choosing the right roller blind system and fabric is essential to ensuring a cost-effective, environmentally-friendly and aesthetically pleasing solution. By selecting the right fabric, the shading system can have all of these valuable capabilities. You can increase daylight harvesting and in turn, reduce electric light consumption. Occupants' comfort and productivity can be greatly improved with greater glare control. Additionally, codes and standards such as BREEAM and LEED can be exceeded by maximising energy efficiency, daylight and views, and environmentally-friendly materials. Both BREEAM and LEED are recognised in the UK & EU.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Understanding Guestroom Control System for Hotels



This CPD aims to discuss guestroom control design and specification, providing a view both from the perspective of what the guest is interacting with and what's happening on the back end, from a control standpoint. By the end of the presentation you should have a greater understanding of:

- How a control system should be designed and best practices
- Code requirements
- How the right system architecture can deliver an energy efficient and performance system
- The advantages of a guestroom control system compared to the traditional analogue technology from the customer and the hotel standpoint
- What to look out for when specifying a performant and efficient guestroom control system from manufacturer, product offering, delivery and installation standpoints
- The different technologies available on the market

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Transforming Space with Light

This seminar explains the use of lighting control as a design enhancement. With 'smart homes' becoming more and more desirable across residential projects, lighting controls forming a considerable part of this desire, need to be understood and planned for in designs and specifications to ensure the clients requirements are fulfilled and the infrastructure to compliment these requirements are considered.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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Multiple formats

### Illuminating our Experience with Human Centric Lighting

Human Centric Lighting is a term used widely among lighting design community to describe a holistic design, inclusive of Natural light & Electric light), that's centred around the various needs of the occupants in a space as opposed to conventional lighting. HCL doesn't only concern lighting designers but also architects and engineers as it includes elements of design such as daylight harvesting, access to the outdoors, smart buildings, circadian rhythm to name a few.

This CPD can be delivered to you live and remotely.

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### European Experience and Training Centre Tour

This tour of the Lutron European Experience and Training Centre at Finsbury Square, London, lasts one and a half hours. During the tour you will learn about the basics of lighting from different types of light bulbs to different ways to dim. With the prominence of LEDs in the market you will learn what makes up a LED and what to look for to ensure you achieve the desired result. You will also learn about total light management controlling both artificial and natural light. You will be shown best practices for creating scenes and trends in lighting design and the benefits of automated window treatments, the effects of different types of fabrics, and various installation applications. Undertaking the tour will help you to understand the following topics:

- The basics of lighting types and how to best dim different sources
- How to properly dim LEDs and best practices
- What a lighting control system is and what it can do to enhance projects
- How the seamless integration of automated window treatments enhances a space
- How to pick the best fabric for various applications
- How to convey the benefits of the precision control of daylight and electric light

The tour is by invitation only and the maximum number of attendees is 25. Book directly with Matthew Jacks at [mjacks@lutron.com](mailto:mjacks@lutron.com), t: 07580 925820

Material type: Factory Visit

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Achieving Success with LED Lighting

Many lighting fixtures are being retro-fitted with LED lamps but problems can arise with flicker, nuisance tripping and interference issues. This seminar explains how to solve these problems at the specification and design-stage and how to plan for a successful installation. It will help you to understand the following topics:

- The history of the LED and advantages of this light-source
- LED control challenges, what causes flicker, low-end instability, dead-travel and other problems
- LED lighting as a system and how to solve LED switching and in-rush problems
- How to design for compatibility for dimming systems
- Where to find free LED laboratory test data

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### NLU - Total Light Management for Occupant Comfort and the WELL Building Standard Management

The WELL Building Standard focusses on improving the sustainability of buildings by designing for the wellbeing of its occupants. This presentation aims to give some background into the WELL standard and show how incorporating Total Light Management, ie the control of both artificial and natural light into the design process can help achieve many of the preconditions and optimisations within the WELL Standard. By the end of this seminar, you will have a greater understanding of:

- The focus on buildings' occupant comfort and wellbeing
- The WELL Building standard and its growing importance
- The WELL Standard's Lighting Concept Area
- The four concept areas that can be managed by total light management including; Visual Lighting Design, Circadian Lighting Design, Solar Glare Control and Automated Shading and Dimming Control
- The concepts of solar shading and automated solar shading control

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Health, safety and wellbeing**

Knowledge level: General Awareness

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### NLU - Innovative Light Management Solutions

The purpose of this seminar is:

- To introduce energy saving/sustainability through differing light control strategies
- Increase productivity and comfort in the workplace
- To help you make informed choices and decisions when designing or considering a light control project within a large or small commercial space

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Sustainable architecture**

Knowledge level: General Awareness

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### NLU - Introduction to Lighting Controls

This seminar aims to provide a basic understanding of lighting control technology which will benefit commercial and residential projects.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### NLU - Transforming Light and Space (old)



This seminar explains the use of lighting control as a design enhancement.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Fabric and Tapestries - How to Choose the Best Solar Protection for Windows: Fabric Blinds



Choosing the right fabric is essential to ensuring cost-effective, environmentally-friendly and aesthetically pleasing solution. By selecting the right fabric you can increase daylight harvesting and in turn, reduce electric light consumption. Occupants' comfort and productivity can be greatly improved with greater glare control. Additionally, codes and standards such as BREEAM and LEED can be exceeded by maximising energy efficiency, daylight and views, and environmentally-friendly materials.

Once you have attended our CPD you will be able to:

- Understand the advantages and disadvantages between fabric materials and compositions
- Identify various weave patterns and structures
- Recognise commonly referenced solar performance terminology
- Understand what factors and variables can affect the performance of a solar screen fabric
- Determine how to choose the best fabric considering a project's priorities or site analysis

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Sustainable architecture**

Knowledge level: General Awareness

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### NLU- Total light management for commercial buildings



This presentation will cover lighting control in the office space. We will review the fundamentals of lighting control in this space, the economic and social motivators for lighting control in offices, and we will apply lighting control to the key spaces within in an office and outline the benefits.

Light is very powerful and includes controlling the impact of the sun on a space as much as control of the electric light. A good balance of sunlight (and resulting glare) and electric light creates a more idealised environment for both comfort and energy efficiency.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**  
**Sustainable architecture**

Knowledge level: General Awareness

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### NLU- Designing Daylight Systems

This seminar looks at the design of daylight shading and the specification of control systems. It will help you to understand the following topics:

- The concept and benefits of daylight design at the specification stage
- How the various types of dynamic fenestration systems take advantage of daylight potential
- How fabric properties affect daylighting performance and occupant comfort
- How daylight design is enhanced through performance shading solutions and by the various manual, motorised and automated control systems available

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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### Residential Lighting Control 101

The Residential Lighting 101 CPD takes us through a journey of artificial lighting; from the discovery of incandescent lights to how modern-day LED lighting technology and controls have revolutionized how we live & experience lighting (both artificial and natural).

By the end of this CPD delegates ought to be able to:

1. Review history of artificial light. Delve into the history of how and when artificial lighting came into the broader residential market.
2. Understand the different types of light control options available today including – switches, dimmers, keypads, app control, sensors, timeclocks and automated shading.
3. Grasp how technology continues to impact lighting & its operation in built environments. Overview of the different features and options available via smart applications.
4. Gain insight to the benefits of smart lighting controls in Luxury Residential Homes.

Material type: Seminar

RIBA Core Curriculum: **Design, construction and technology**

Knowledge level: General Awareness

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## Classifications

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### Subject/Product Areas (CI/SfB)

Services

Lighting > Lighting accessories

Controls for services, energy recovery > Controls

Fittings

Blinds and curtain tracks > Blinds

Engineering

Electrical systems > Luminaires and lamps

General engineering services > Electrical accessories

### RIBA Core Curriculum areas

Health, safety and wellbeing

Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*

Design, construction and technology

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*