

Cree Lighting Europe S.p.A

**CREE** ⇄ **LIGHTING**

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CPD Overview

For over three decades, we have led by converting new science into market-changing products, one breakthrough after another. We are internationally recognized as the LED lighting pioneering company that revolutionized the lighting market.

Today the brand still stands for innovation, performance, and quality engineering. Being present in Italy since 1988 we've always had a singular mission, to create lighting in the best way possible.

We transform innovation into unique solutions regarding optics, colour quality, controls and product quality while ensuring the highest levels of performance and reliability. Our teams of talented visionaries are not just dedicated to creating lasting solutions, but to redefining what's possible.

Light enhances and bestows value to our experiences, we use it to render things better, safer, and more productive, improving all activities of daily life. After all, the difference between simply illuminating and lighting in the best way possible lies in the values of those who make it happen. We devise newly conceived appliances, produced in an ever-more sustainable way, using durable materials designed to reduce waste, to be easily maintained and upgradable and, finally, to be disassembled and correctly disposed of when necessary.

We tirelessly work towards minimizing environmental impact; our solutions help our customers do the same. Despite the recent disruptive world crises that have accelerated reshoring strategies, our teams use the latest technologies to design, test and manufacture the appliances locally. New products are designed and manufactured in Italy, and while we aim to keep the supply chain as short as possible and attentively trace the origin of the materials, we always strive to source from Italian and/or European companies.

We design in Italy; we produce in Italy, offering innovation at your service, facing new challenges in a sustainable way. Light, a better way!



CREE ⇄ **LIGHTING**

Light a better way.

Available CPD Material (3)



Multiple formats

Creating Safe and Sustainable Exterior Spaces using LED Lighting

Between 2018-2030, the urban population is projected to increase in size. Globally, a projected 28% of people worldwide will be concentrated in cities with at least 1 million inhabitants and the number of cities with more than 10 million inhabitants (often termed 'megacities') is projected to rise from 33 in 2018 to 43 in 2030. In the first 20 years of this century, the population of inner London has increased by 27%, and outer London by 19%, compared to 16% in other UK cities.

This is why the way we light our urban spaces is so important. It is for safety reasons, but also for wellbeing, preserving our culture, and protecting our nightlife. But the way we light our urban areas needs to be sustainable and ecologically friendly - flora and fauna are in our cities too! We need to ensure that our lighting solutions protect the environment and reduce energy consumption as much as possible.

This CPD training is about lighting for exterior areas. We have over 40 years experience in designing and producing the highest quality LED lighting solutions for cityscapes and suburban streets, commercial properties, industrial settings, and under canopy. We're going to share this knowledge with you to give you a better understanding of what makes excellent safe and sustainable street lighting.

By the end of this CPD delegates should know:

1. Things to consider when specifying LEDs for exterior residential areas (safety, wellbeing, livable spaces, connected communities).
2. How to make more sustainable choices (energy efficiency, quality & durability, optics, colour, smart technology).
3. Lighting design standards (standards, road classes, design recommendations).

Material type: Online Learning, Seminar

RIBA Core Curriculum: **Design, construction and technology**
Legal, regulatory and statutory compliance

Knowledge level: General Awareness



Multiple formats

Smart Outdoor Lighting Choices that are Sustainable and Illuminating

We all know why we need to be sustainable but as 'sustainability' is a term in common usage these days, it is useful to reflect on what it actually means.

We're going to refresh our knowledge of the UN's Sustainability Goals, the circular economy and what this means in practice to us all.

After this, we will deep dive into 6 areas that you should be considering when specifying lighting products to ensure that you meet all regulatory obligations as well as ensuring that your designs and your product choices are sustainable.

Later on, we will briefly share details about how Cree Lighting is converting new science into market-changing products and outline how we are meeting the 6 areas of corporate sustainability.

Material type: Online Learning, Seminar

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

Knowledge level: General Awareness



Is Street Lighting Damaging our Health?

LEDs are efficient at lighting our roads yet people complain of discomfort. As LED technology improves, can we keep all the benefits that come from using LEDs and increase visual comfort?

This CPD article supports the need for a new glare model for assessing discomfort glare caused by LED luminaires and to improve the understanding, calculation, and criteria for the evaluation of discomfort glare.

A shift can be accelerated if we review and update the calculations that are used to determine street lighting standards, such as the volume of acceptable glare. Originally developed back in the 1970s, before LEDs were commonplace, the current calculations do not justify the specification of the best quality lighting option - and we'd argue, they do not ensure the safest or healthiest option either.

We are calling for a change to the method of calculation to consider the opportunities of using the very latest LED and optical technology. This will ensure more human and nature-centric street lighting is specified across the world.

Material type:

Article

RIBA Core Curriculum:

Health, safety and wellbeing

Knowledge level:

Microlearning

Classifications

Subject/Product Areas (CI/SfB)

Services

Lighting > Lighting fittings, luminaires

RIBA Core Curriculum areas

Design, construction and technology

Knowledge level: *General Awareness*

Legal, regulatory and statutory compliance

Knowledge level: *General Awareness*

Sustainable architecture

Knowledge level: *General Awareness*

Health, safety and wellbeing

Knowledge level: *Microlearning*