

# LIGHTING PRODUCT DESIGN FOR A CIRCULAR ECONOMY WORKSHOPS

POWERED BY **ReCOlight**



Lighting product design for a circular economy is an in depth one day workshop.

Hosted by industrial designer Simon Fisher of F Mark, the CPD-accredited event explores the design criteria, regulations and standards to help lighting manufacturers apply and demonstrate circular economy principles in product development.

Environmental measurement methods such as TM66, TM65, EPDs and other Life Cycle Assessment (LCA) tools are explored, along with a detailed review of TM66, showing how manufacturers can apply the specification to their products.

The course may also be booked as an in-house, single company event.

## Agenda

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**9:30 Arrival - coffee & breakfast snacks | 10:00 start**

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### **Regulatory Landscape overview**

Legislation vs Directive vs Guidelines

- What is a regulation?
- What is a directive?
- What is a guideline?
- What is legislation?

Overview of existing methods

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### **'Get started' Embodied Carbon - A look in detail at each method**

TM65, LCA EPD

- What do they provide?
- Who can provide it?
- What are the differentiators?
- Costs, timescales and complexity?

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### **'Get started' Circular Economy - A look in detail at each method**

TM66, EN4555 – A European view, ESPR – European Commission regulation

- What do these provide?
- What can you do with the data?
- How is the data being utilised?
- Practical example

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### **Get started' Remanufacturing**

- BS8887 overview
  - Driving forces - Building Safety Act
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## Lunch

### Practical Workshop

- BS8887
  - Case Study
  - Carbon avoidance in remanufacturing
- TM66
  - Fictitious product in multi-OEM workshop (unless an attendee volunteers a product)
  - Output TM66 report
- TM65
  - Actual product teardown and analysis
  - Dismantle, weigh, and input data to FMK analysis tool
  - Output TM65 report – discuss inputs to 'Basic' and 'Mid-level' calculations
  - Data use for feed in to LCA / EPD

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### Cost of training course

Recolight Producer Member £275 + VAT

Non Recolight members £420 + VAT

- Includes refreshments throughout the day and lunch
- Please notify Recolight on booking confirmation of any dietary requirements

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### Location

**Wallacespace, St Pancras**, 22 Dukes Road, London, WC1H 9PN

Please contact us for venue accessibility

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### Introducing your trainer

#### Simon Fisher, Founder & Director of F Mark

With extensive experience, Simon Fisher is a renowned and multi-award-winning lighting product designer who has successfully delivered solutions for OEMs all over the world. He is the Founder and Director of F Mark, a design consultancy specialising in the design, development and engineering of lighting products and associated systems.



Knowledge transfer and continuous development are one of the cornerstones of Simon's ethos and he has participated in numerous webinars about sustainability and the circular economy, subjects that he is very passionate about

Simon has previously delivered seminars and webinars on a wide range of topics relating to lighting, product design and engineering. He is a Fellow of the Society of Light and Lighting and sits on technical committees relating to circular economy and remanufacturing of lighting which include:

- LIA Technical Committee for the Circular Economy
- CENELEC Working Group 2 – Ecodesign
- BSI Drafting Committee – BS8887 for lighting manufacturer

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### Tailored course

Tailored courses can be arranged to meet your company's own educational requirements.

Please contact Recolight to learn more

[training@recolight.co.uk](mailto:training@recolight.co.uk)

**020 5253 9750 Option 2**