



UKCA marking of products

Dr Jeremy Hodge, BCA

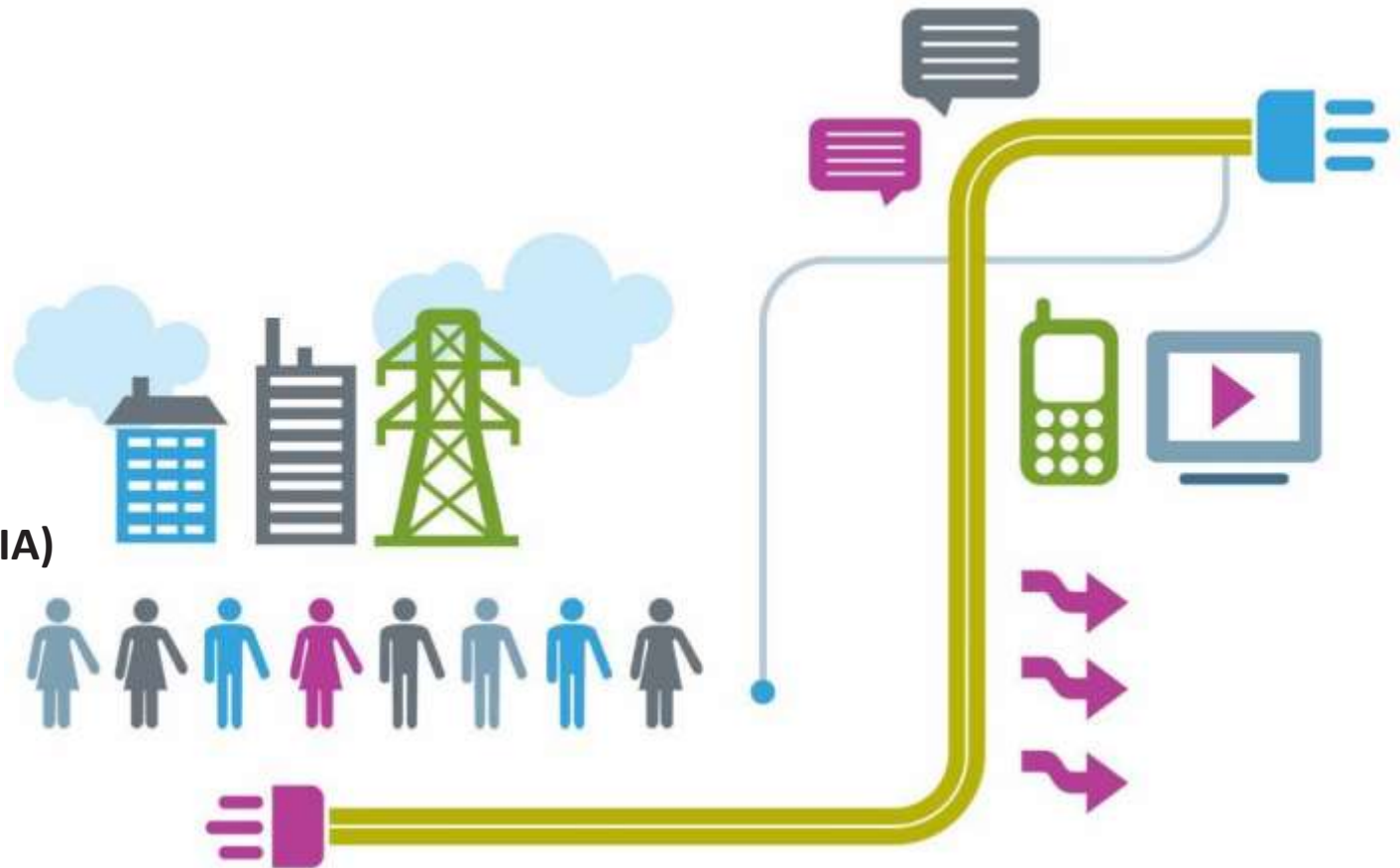


UKCA Marking

- UKCA is the new marking system in GB, replacing CE marking
- Live from 1 Jan 2021, mandatory from 1 Jan 2023
- Temporary arrangements for CE-marked goods in GB
- Many regulated products affected – those previously CE marked
- Responsibilities on manufacturers, importers, distributors and wholesalers
- Manufacturers have been converting to UKCA
- Own brand and imported products – requirements apply
- Special arrangements for Northern Ireland (CE and UKNI marks)

BEAMA UPDATE

Delivered by Bob Bohannon
Head of Policy & Academy
The Lighting Industry Association (LIA)

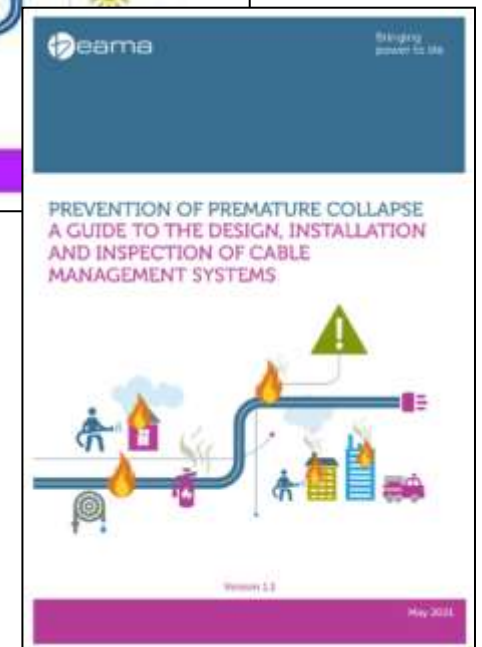


About BEAMA

- UK Trade Association in the Electrotechnical manufacturing sector consisting of **200 + member companies** from multi nationals to SMEs
- Focus on current and future **Standards, Regulation and Legislation.**
- **Influence** on Safety, Environmental, Policy and Education. Representation on Standards Committees.
- **Voice of the Industry** in decision making and information provision circles.
- **Manufacturing** a wide range of products and technologies across the sector

- Guide to Circuit –
Breaker Selection for LED Lighting.
- Guide to Prevention of Premature Collapse –
A guide to the design, installation and inspection of cable
management systems.

*For copies of the above guides please contact BEAMA or alternatively you can
download them from the EDA website*



- Isolating Switches for Household and Similar Fixed Installations
- Extension Leads
- Existing product safety checklists available also includes:
 - Consumer Units
 - Circuit Protection Products

For copies of the above checklists please contact BEAMA or alternatively you can download them from the EDA website

SAFETY CHECKLIST
ISOLATING SWITCHES FOR HOUSEHOLD AND SIMILAR FIXED ELECTRICAL INSTALLATIONS

This checklist outlines simple measures to help you to safeguard against being deceived into buying counterfeit and / or non-compliant products.

Take BS 5733-1 or BS 5733-2 of the IET Wiring Regulations, plus safety BS EN 60898-2:4 and BS EN 60897-3 as the appropriate product standard suitable for inspection. This checklist will focus on isolating switches conforming to BS EN 60898-2:4 for household and similar fixed electrical installations, typically used for applications such as extractor fans, showers and cookers.

It is critical to note that, BS 7071 requires that devices for isolation shall be of a type for which the isolation function is explicitly recognised by the relevant product standard or as identified in Table 5224, Regulation 5223.3.1 refers.

CHECK 1 – Does the isolating switch conform to the correct product safety standard?

(i) Does the manufacturer's information state conformity to BS EN 60898-2:4 as the mark marked with BS EN 60898-2:4?

(ii) BS EN 60898-2:4 does not require the product to be marked with BS EN 60898-2:4.

(iii) Can the manufacturer issue a declaration of conformity to BS EN 60898-2:4?

Note: Members of the BS EN 60898 series do not cover battery switches.

CHECK 2 – Is the required short-circuit protection information available?

The manufacturer must provide reference to one or more short-circuit protective devices (SCPDs) in their catalogue or in the instructions which are provided for the isolating switch for the declared conditional short-circuit current I_{sc} .

CHECK 3 – Is the isolating switch correctly marked?

Isolating switches conforming to BS EN 60898-2:4 must be marked with this symbol for isolating function and for the closed (on) and open (off) position. These markings must be visible from the front after installation. The isolation-function symbol may be included as a wiring diagram or combined with symbols of other functions, provided that it is visible from the front.

Example: Isolating switch marking in accordance with BS EN 60898-2:4 visible from the front after installation.

Required symbol for isolation function.

BSI, British Standards Institution, 9000 Wilton Road, Bournemouth, Dorset, BH12 3AF, UK. Tel: +44 (0)1202 799333 or bsi@bsi.org.uk or bsi.com

EXTENSION LEAD SAFETY CHECK-LIST

This checklist explains simple measures to help safeguard against being deceived into buying counterfeit and non-compliant extension leads.

Non-compliant products present significant risks to people and property and carry serious consequences for the distributor, retailer, and general public. Non-compliant products could cause fire or electric shock, potentially resulting in lethal consequences. Choose your extension leads with care. The main function of an extension lead is to provide a temporary connection to electrical power in areas where there are no fixed electrical socket outlets.

CHECK 1 – Initial Quality Indicators

- Check the build quality of the product. Does it have imperfections in the plastic mouldings or does it rattle when shaken?
- Presence of excess material / jagged edges on the outer casing of mouldings?
- Are there signs of damage to the cable at the entry point to the socket out-let section or plug?
- Is the extension lead CE marked?
- Does it have illegible, poorly aligned or smudged markings?
- Is the cable extension lead rated correctly as 13A?
- Is the cable length as advertised?

One or more of the above quality indicators could indicate a non-compliant extension lead. Extension leads without CE marking are non-compliant.

The Performance criteria for extension leads is defined by the product standards BS 5733 and applicable parts of BS 1363-2. Manufacturers/suppliers must be able to provide, when requested, the relevant documentation to prove compliance with this standard.

FRONT

BACK

CE

PRINTED FLEXIBLE COPPER WIRE CONDUCTORS

EARTH - GREEN/YELLOW
NEUTRAL - BLUE
LIVE - BROWN

13A 130V
BS 1363-2

MANUFACTURER

CABLE LENGTH
e.g. 1m

Responding to:

Requirement for low carbon buildings and networks

Growing impetus on companies to demonstrate progress to net-zero in their operations and products

- COP26: 31 October – 12 November
- Climate commitment [webinar](#), 11 October
- Zero carbon homes [webinar series](#), 13-27 October
- BEAMA [net zero report and white papers](#), focusing on homes
- BEAMA [net zero hub website](#)



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Update

Bob Bohannon, MSc., FSLL, MIET
Head of Policy & Academy, The LIA

The LIA is the largest trade association in Europe dedicated to serving the UK lighting industry and its supply chain.

It covers both commercial and domestic sectors of the lighting market and comprises nearly 300 member companies.

Based in Telford, the LIA provides up to date advice, technical support, laboratory testing services, and a staff development academy to build competency, quality and competitiveness in both the industry and its clients.

Energy Labelling

ENERG ⚡

SUPPLIER'S NAME
MODEL IDENTIFIER

A
B
C
D
E
F
G

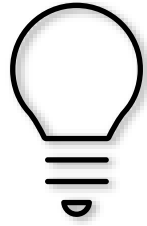
WXYZ
kWh/1000h

QR code

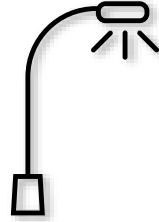
2019/2015

The image shows a standard UK energy label. At the top is the 'ENERG' logo with a lightning bolt. Below it are fields for 'SUPPLIER'S NAME' and 'MODEL IDENTIFIER'. A vertical scale of seven energy efficiency classes (A to G) is shown as arrows pointing right, with class 'E' highlighted in black and pointing left. At the bottom left, the energy consumption is listed as 'WXYZ kWh/1000h'. To the right of this is a QR code and the date '2019/2015'.

Energy Labelling



Light Source

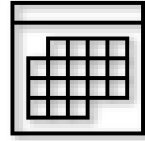


Containing Product

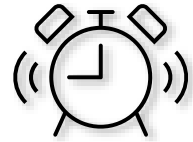
If the LED light source can be removed for **verification**, then it is containing product.



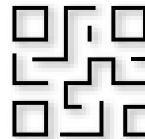
Energy Labelling



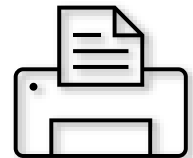
This affects new light sources placed on the market after 1st October 2021



Old stock must have new label stickers applied, if not sold through by 1st April 2023 (UK).

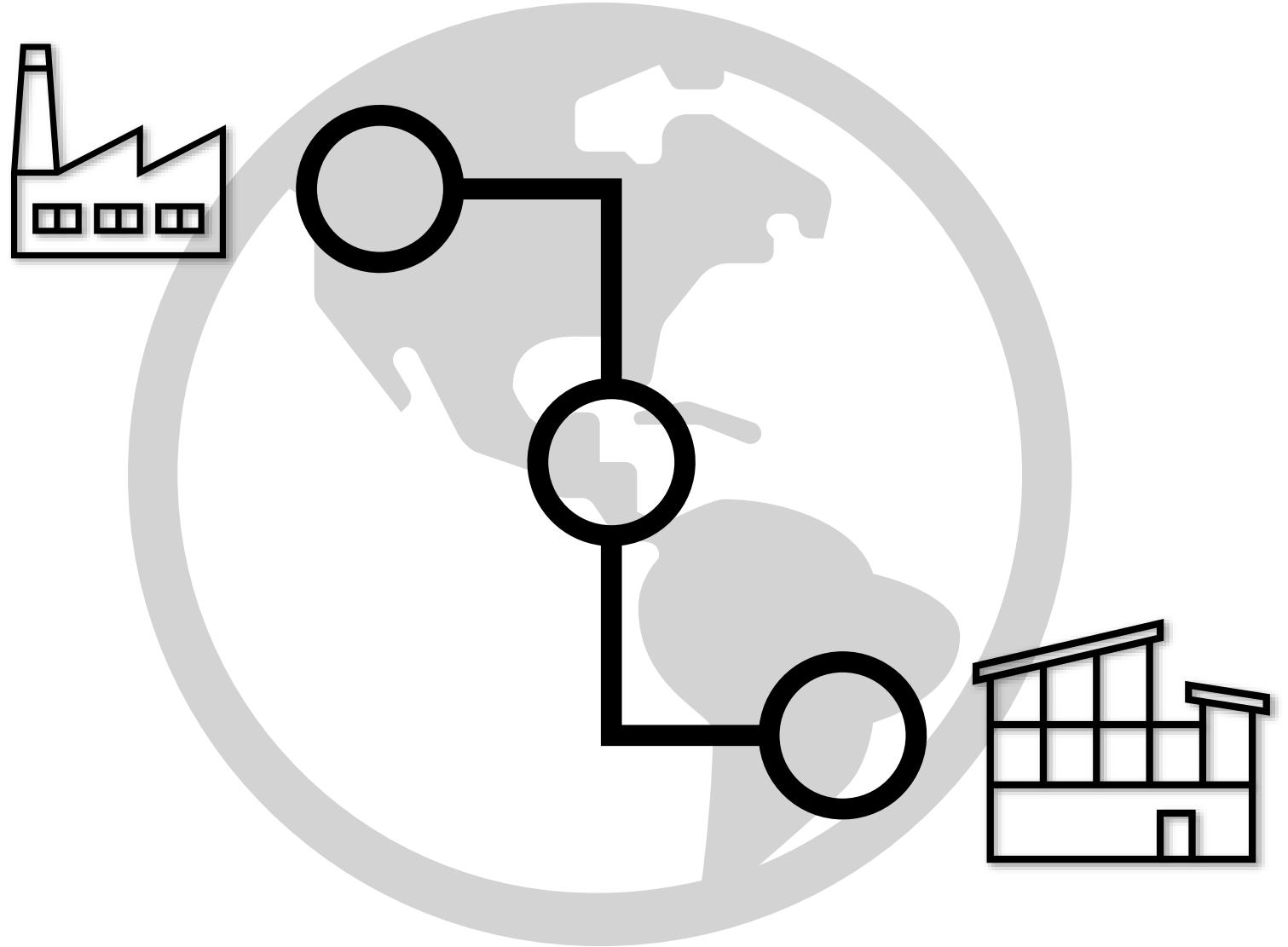


QR code to freely available website information

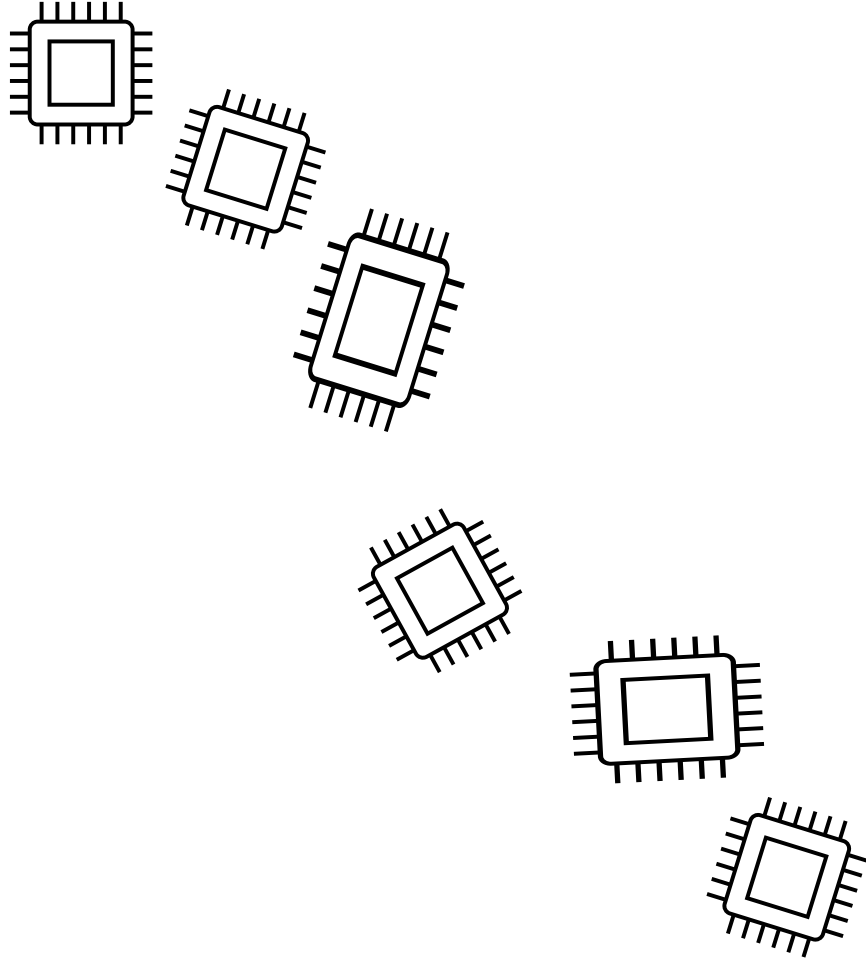


<https://www.gov.uk/guidance/create-an-energy-label>.

Logistics and supply chain



Chips with
everything



It's good to
talk



Ministry of Housing,
Communities &
Local Government

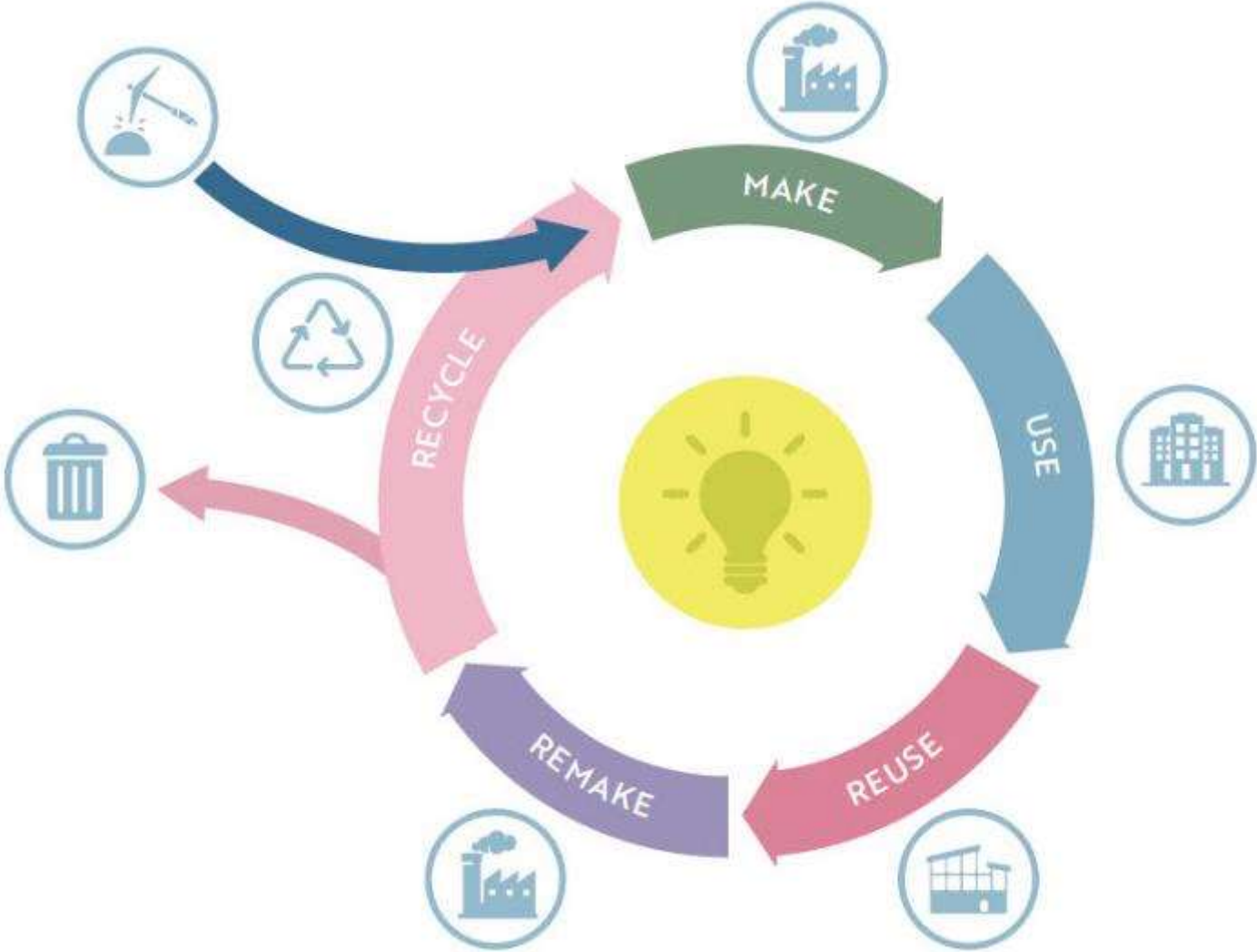


Department for
Business, Energy
& Industrial Strategy



LIGHTINGEUROPE
THE VOICE OF THE LIGHTING INDUSTRY

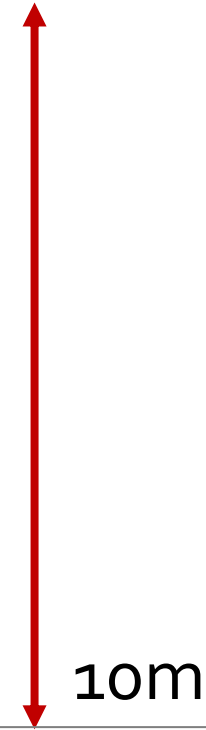
Circular Economy



"Circulating steel, and avoiding its contamination, and getting more value from the steel we use would avoid 500 metric tonnes of additional primary steel production by 2050. This corresponds to more than 1 billion tonnes of CO₂ emissions per year."

UN Framework Convention on Climate Change

The Circular Economy's role in climate change





theLIA

Questions

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THE LIGHTING INDUSTRY ASSOCIATION