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Key EU Sustainability & Circular Economy policies for lighting

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Our Members

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01

Overview of upcoming sustainability requirements

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EU Green deal - Sustainable Product Initiative: legislative proposal in Q4 2021

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Process

- Core of the legislative initiative is widening the scope of the Ecodesign Directive to include requirements related to sustainability
- Additional legislative tools if necessary (on Green claims and Consumer empowerment)

Scope

- Applicable to the widest possible range of products
- Priority products are electronics, ICT, textiles, furniture, steel, cement and chemicals

How is the lighting industry impacted?

- New product design requirements – considering design for upgrade, repair, durability, remanufacturing, etc.
- New requirements for materials - % of recycled content to be present
- Information requirements to be gathered from the supply chain and later entered in a digital product passport
- New packaging may be needed – to include either via QR code/tagging or labels the new information requirements
- Changes to Energy labeling rules is possible – to incorporate repairability score
- Reporting of sustainability will impact almost all listed companies

Durability

Possible measures

- Requirements on durability /reliability; reparability / up-gradeability, reusability
- Information about the minimum duration of commercial warranties
- Information on reliability or failure rates (e.g. Reparability Scoring Index,)
- Information on Durability (Durability label or Labelling of minimum lifetime)

What is most likely to expect

- Horizontal minimum requirements on durability for all products
- More stringent durability performance requirements at a product-specific level
- Labelling requirements (on durability or repairability)

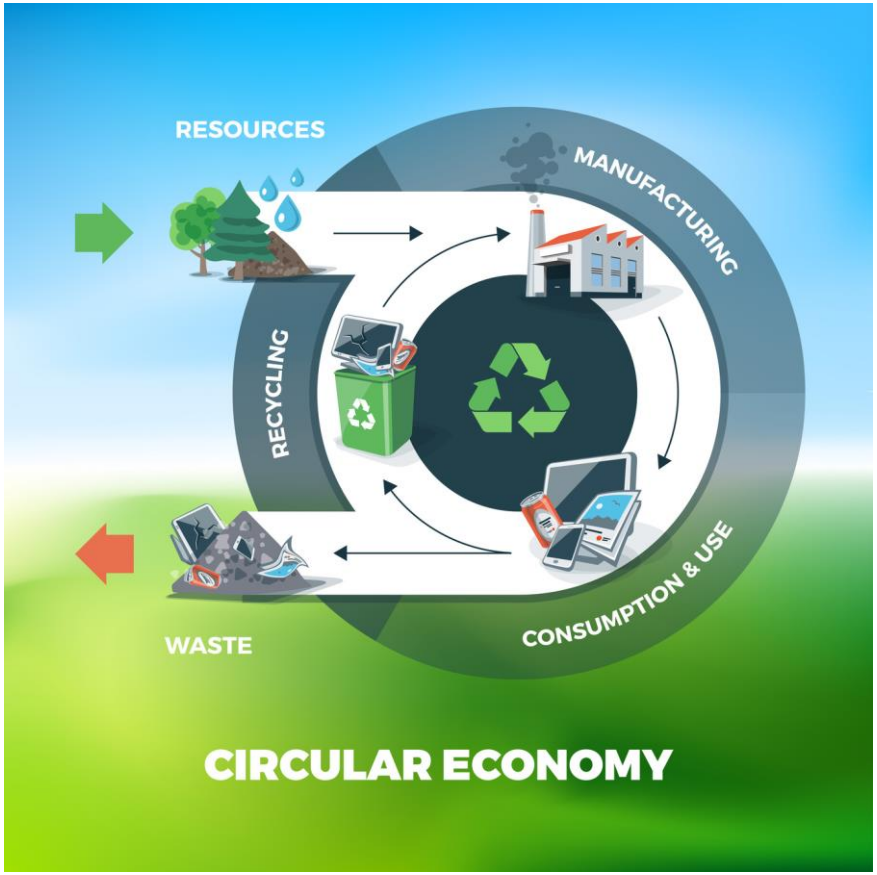
SPI legislative proposal, legislative proposal to empower consumers, Energy labelling review, Repair index, Ecodesign Work Plan

Reducing carbon and environmental footprints (PEF/LCA)

Which policy options are discussed?

Ecodesign Consultant Recommendations on Energy Related products

Methodology proposed



SPI legislative proposal, legislative proposal on green claims, legislative proposal to empower consumers, Ecodesign Work Plan (Ecological footprint)

Digitalisation of product information

What is a Digital Product passport?

- A unique product identifier
- Data collected by different value chain actors
- A physical link between the product and data (QR code/barcode)

Three main target groups of the SPI Product Passport

- Consumers
- Economic operators in the supply chain
- Surveillance Authorities

02

LightingEurope activities

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Actions of LightingEurope on the SPI

- Building internal consensus on Sustainability topics – general LE position on SPI has been drafted
- Taking part to Consultation Forum on SPI, MEErP, Ecodesign and Energy labelling Workplan, SPI Workshops
- Interacting with the relevant DGs on lighting specific issues
- Building alliances with other stakeholders (Joint letters) e.g. on review of the Ecodesign Directive
- Involving the European Parliament when a position is ready & when legislation will be proposed

© European Parliament

03

Ecodesign Regulation (EU) No 2019/2020 (Single Lighting Regulation): summary of the new CE requirements

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EU Ecodesign has decided clear Phase-Out Timetable

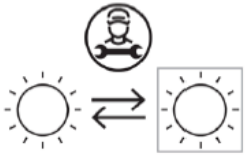
- In the framework of the 2030 EU climate and energy targets, lighting is again called to contribute
- After incandescent and several halogen lamp types now is the turn of CFL, LFL and halogens again
- Still pending since 2016: RoHS decisions on exemptions for mercury-containing lamps (now draft decisions are under scrutiny at the EU Parliament)

Product	Phase-out date
CFLi	1 September 2021
Fluorescent T8 2-, 4-, and 5 ft	1 September 2023
Halogens with G9, G4, and GY6.35 caps	1 September 2023
Halogen R7s >2,700 lm	1 September 2021
Fluorescent T2 and T12	1 September 2021
Halogen low-voltage DLS MR11, MR16, AR111	1 September 2021

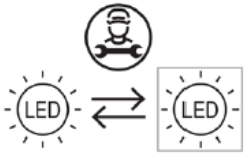
Ecodesign: Circular Economy requirements for lighting (new text from 2021)

Main consequences of art. 4	LightingEurope Guidelines
All **Containing Products** should enable **replaceability** of light sources and control gears **unless** technically justified.	LightingEurope provides guidance with diagrams on replaceability and gives examples on when the non-replaceability could be justified
If the light source and control gear of the containing product can not be **removed for verification**, then the containing product is **tested as light source** for all requirements of the Regulation (energy performance requirements, information requirements, etc.) and the corresponding Regulation on the energy labelling of light sources	LightingEurope provides a diagram that explains which removability requirements apply to which products. This is very relevant for the application of the Energy Labelling regulation as well.
Art 4.2 requires **information** to be displayed on the packaging of the containing product (only for products sold directly to end-users) on the replaceability or non replaceability of the light source and the control gear.	LightingEurope provides a pictogram that can be easily used and printed without language complications

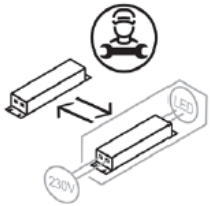
LE Replaceability Pictograms



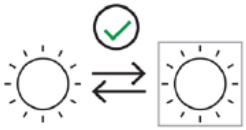
Replaceable light source by a professional



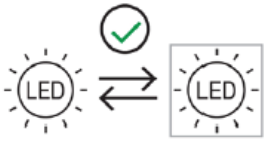
Replaceable (LED only) light source by a professional



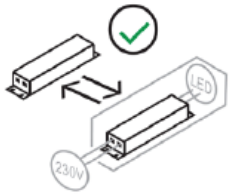
Replaceable control gear by a professional



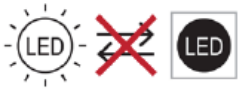
Replaceable light source by an end-user



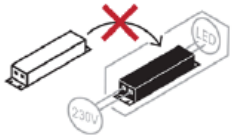
Replaceable (LED only) light source by an end-user



Replaceable control gear by an end-user

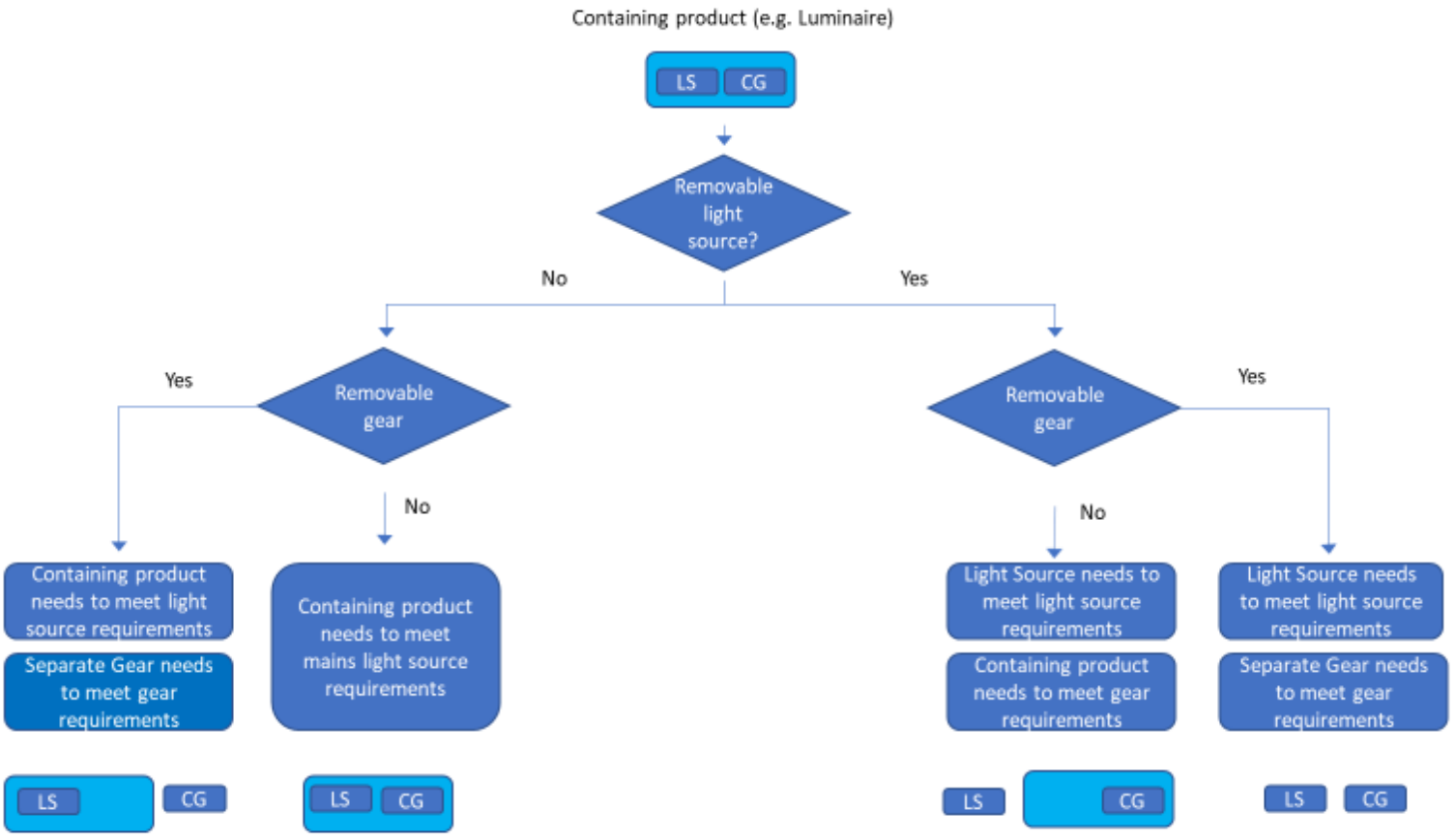


Non-replaceable light source



Non-replaceable control gear

Definition of containing product: Compliance diagram in the LE Guidelines



LS = Light Source; CG = Control Gear

Ecodesign: Circular Economy requirements in other products

- easy disassembly of parts, common tools
- list of spare parts for professional repairers & end users
- minimum time of availability of spare parts & maximum delivery time
- Instructions on disassembly steps and tools to be used
- access to repair information for professional repairers
- repair and maintenance information to end-users
- restriction of substances
- labelling for substances and critical materials
- Diagram with information on presence of substances/materials within the product

- **For refrigerators**: spare parts available for 10 years
- **For dishwashers:** spare parts available to public for 10 years
- **For displays**: prohibition of flame-retardant materials

The SPI legislative proposal or the proposal on Empowering consumers in the Green Transition in Q4 2021 may already introduce these rules for all ERPs products

LightingEurope Guidelines

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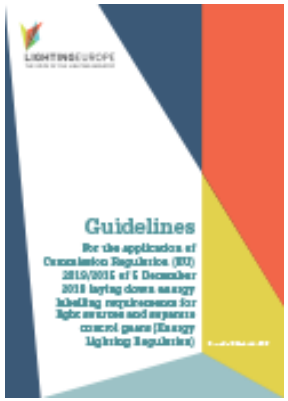
Version 4
June 2021

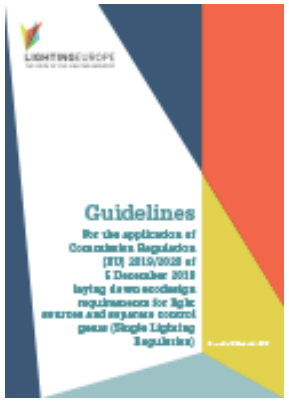
LIGHTINGEUROPE GUIDELINES

The LightingEurope guidelines are our contribution to support all companies to understand and apply new and complex rules, and to help all authorities to enforce them.

Ecodesign Regulation



Energy Labelling Regulation



EPREL Database

Version 2
July 2021

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THANK YOU

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