EU Green Deal - How the EU’s growth strategy will impact the Lighting Industry
LpS Digital 2020

Ourania Georgoutsakou
Secretary General

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Our Members
Our Vision

VALUE OF LIGHTING

Human Centric Lighting
Intelligent Lighting Systems
LEDification & Sustainability
Healthy Regulatory Framework

2019

2025
EU Policy Environment
Priorities of the New European Commission

- European Green Deal
- EU to become world’s first climate-neutral continent by 2050, 5% increase to EU target to reducing emissions by 2030 (to 55%), introduce carbon border tax
- New EU Circular Economy Action Plan – sustainable resource use
- Strategy for sustainable financing, Sustainable Europe Investment Plan, EIB to act as Europe’s climate bank
- Integrate SDGs into European Semester
- Dedicated SME strategy
- Fair minimum wage for workers
- Tax fairness between bricks-and-mortar and digital businesses; EU digital tax
- New Digital Services Act – liability & safety rules for digital platforms, services and products
- Right of initiative for European Parliament
European Parliament Composition

Source: DG Communication

The diagram shows the composition of the European Parliament, highlighting the changes in membership post-Brexit. The S&D group, for example, has increased by 2.3 members post-Brexit.
The European Green Deal is about improving the well-being of people. Making Europe climate-neutral and protecting our natural habitat will be good for people, planet and economy. No one will be left behind.

The EU will:

- Become climate-neutral by 2050
- Protect human life, animals and plants, by cutting pollution
- Help companies become world leaders in clean products and technologies
- Help ensure a just and inclusive transition
“The European Green Deal is our new growth strategy. It will help us cut emissions while creating jobs.”

Ursula von der Leyen, President of the European Commission

“We propose a green and inclusive transition to help improve people’s well-being and secure a healthy planet for generations to come.”

Frans Timmermans, Executive Vice-President of the European Commission

European Commission Dec 2019
EU Green Deal in a nutshell

Transforming the EU’s economy for a sustainable future

Increasing the EU’s Climate ambition for 2030 and 2050

Supplying clean, affordable and secure energy

Mobilising industry for a clean and circular economy

Building and renovating in an energy and resource efficient way

A zero pollution ambition for a toxic-free environment

Preserving and restoring ecosystems and biodiversity

From ‘Farm to Fork’: a fair, healthy and environmentally friendly food system

Accelerating the shift to sustainable and smart mobility

Financing the transition

Leave no one behind (Just Transition)

The EU as a global leader

A European Climate Pact
EU Circular Economy Action Plan
Sustainability design parameters and principles

✓ improve product durability, reusability, upgradability, reparability,
✓ address presence of hazardous substances in products
✓ increase energy & resource efficiency;
✓ increase recycled content in products
✓ enable remanufacturing and high-quality recycling
✓ reduce carbon and environmental footprint;
✓ restrict single-use and countering premature obsolescence
✓ ban the destruction of unsold durable goods;
✓ incentivise product-as-a-service
Toxic-Free Environment

**Sustainability design parameters and principles**

- High-quality sorting & removing contaminants from waste
- Minimise presence of substances that pose problems to health/environment in recycled materials and articles
- Harmonised information exchange systems
- Amend Regulation on Persistent Organic Pollutants
- Chemicals Strategy for Sustainability
- Internal market for secondary raw materials
- Restrict substances (RoHS exemptions)
Information & Reporting

SCIP  European Circular Dataspace  Digital Product Passport

Tagging  Labelling  Watermarks

EPREL  PEF  OEF
Empower consumers & public buyers

EU Consumer Law

- Right 2 Repair
- Guarantees
- GPP
### Economics of Circular Economy

- **Business led initiative**: to develop environmental accounting principles.
- **Improve corporate governance framework**: to integrate sustainability into business strategies.
- **Refocus European Semester**.
- **Revision of State Aid Guidelines**: in the field of the environment and energy.
- **Economic instruments**: such as environmental taxation, including landfill and incineration taxes, and enable Member States to use value added tax (VAT) rates.
EU Renovation Wave
Buildings account for **40%** of energy consumed.


The current rates of renovation of public and private buildings should at least double.

**Better energy performance of buildings**

- Prices of different energy sources should incentivise **energy-efficient buildings**
- Design of buildings should be in line with the **circular economy**
- Increased **digitalisation**
- More **climate-proofing** of buildings
- Strict enforcement of rules on **energy performance** of buildings
Value of Renovation

- 75% of existing EU building stock is energy inefficient
- In 2050, almost 80% of today’s buildings will still be in use
- Only 1% buildings on average undergo renovations each year

The maximum EU-28 total annual electricity savings for optimized lighting system designs with controls (depending on the reference light source scenario) are:

- 20-29 TWh/year in 2030
- 48-56 TWh/year in 2050

(for reference: EcoDesign (EC)245/2009 on tertiary sector lighting products saving potential is 38 TWh/year in 2020)
LE Recommendations
“No Renovation without Lighting”

- Focus on non-residential buildings (public & commercial buildings), as already set out in the Energy Performance of Buildings Directive. We believe that public buildings should lead by example.
- Use LED lighting, in combination with controls and sensors. By switching from incandescent lamps to energy efficient LED lamps, it is estimated that Europeans have benefitted from up to 90% savings. Furthermore, these lighting systems, in addition to allowing for large energy savings, also offer significant benefits to the building users as regards their visual comfort, wellbeing, and productivity.
- Prioritise a full renovation of luminaires to include controls and sensors, with a minimum SRI level. “Just relamping” – simple replacement of a lamp – should be avoided. Replacing luminaires or introducing a whole new lighting design should be encouraged as this will lead to greater benefits in terms of energy savings and indoor environmental quality.
- The Smart Readiness Indicator (SRI) should be applied across the EU to maximise its energy savings potential and capture all the benefits it can bring to the wellbeing and performance of building occupants. Renovations should lead to a certain minimum SRI score.
- Introduce mandatory minimum requirements on IEQ. Criteria for lighting can be found in EN 12464-1 and should be referenced in the Renovation Wave Initiative.
- Lighting renovation is mandatory precondition to access the full subsidy.
Lighting should comply with EN 12464-1.

Use of controls and sensors, with minimum SRI level:

- For lighting service 1a (occupancy control for indoor lighting), a minimum functionality level of 2 (automatic detection) should be required, as level 2 functionality is simple to implement and is based on established technologies that provide good additional levels of energy saving and user satisfaction as compared to level 1; and

- For lighting service 2 (control artificial lighting power based on daylight levels), a minimum functionality level of 3 (automatic dimming) should be required, as level 3 functionality is simple to implement and is based on established technologies that provide good additional levels of energy saving and user satisfaction as compared to level 2.
Shaping the future – What LightingEurope is doing
Voicing the needs of Europe’s Lighting Industry

✓ Outreach to European Commission:
  President Ursula Von der Leyen (04/2020)
  Commissioner for Industry & Single market (include enforcement + DSA) Thierry Breton
  Commissioner for Energy (incl renovation wave + ecodesign/labelling) Kadri Simson
  Executive VP Frans Timmermans in charge of EU Green Deal
  Commissioner for Cohesion Policy and Reform Elisa Ferreira

✓ Meeting with European Commission officers on EU Renovation Wave (05/2020)

✓ LE demands for Renovation Wave

10.06.2020 Press Releases
- Press Release - Healthy Buildings for All - IEQ Manifesto

10.06.2020 General Publications
- Healthy Buildings for All - Manifesto for Indoor Environmental Quality

10.06.2020 General Publications
- Brussels Direct - the Webinars for LightingEurope Members - Overview

09.06.2020 Position Papers
- Recommendations on the Renovation Wave Initiative
No Renovation Without Lighting

No Renovation Without Lighting

HEALTHY BUILDINGS FOR ALL
Putting people’s health and well-being at the centre of the EU built environment

LightingEurope @LightingEurope · Jun 22
Our recommendations - No renovation without #Lighting bit.ly/2XNQC7F

Energy4Europe @Energy4Europe · Jun 19
Renovation will help greenhouse gas emissions, lead to reduced #energyconsumption, safer & healthier buildings, address #energypoverty and improve people’s quality of life. #EUHaveYourSay on the #RenovationWave public consultation by 9 July! europa.eu/1gm76gQ

Have your say on the new

Buildings as Green Deal Heroes
19 June @14.00

#EUSEW2020
LE Brussels Direct webinars

- 6 May - Ruben Dekker (Eur Commission) - Circular Economy Action Plan
- 8 May - Jan van Rompay (Lumileds) - COVID-19 safety precautions as the new normal
- 20 May - A.D. Turkic (B2EU) - Business to Government Post-Covid Unlocking EU Infrastructure Funds in Central and Eastern Europe
- 3 June - LE Brussels Direct webinar-Miguel Aguado (Lutron) - LIA guide to Wireless Lighting Control
- 12 June – Agius Saliba, MEP-Addressing product compliance online: Recommendations for the Digital Services Act
- 17 June – Elena Marini (Eur Commission) – EU Chemicals Strategy
- 8 July – Maryant Fernández Pérez (BEUC – European Consumers Organisation) - BEUC views on the Digital Services Act
LE Brussels Direct webinars
Upcoming

- 10 July - AD Turkic (B2EU) – B2G development and funding opportunities in Africa
- 15 July – Emmanuel Katrakis (EURIC-recyclers association) – Priorities of Europe’s Recycling Industry and what they need from manufacturers
- 8 Sept – Damir Filipovic (AIOTI) – EU policy trends for IoT
- 10 Sept - EucoLight – Actions to address online WEEE freeriding

Also in the pipeline:
- Q3 – Eur Commission – ECHA SCIP Database
- Q3 – EIB – Financial Instruments for Renovation
The EU Green Deal can offer sector per sector future-proof plans that take us to climate neutrality [and make us] independent. […] Do not think the Green Deal is a luxury we cannot afford, it is a lifeline out of the virus. […] Do not fall into trap that COVID is excuse to undo things.

Frans Timmermans, European Commission Vice-President, speaking to European Parliament ENVI Committee 21/04/2020
THANK YOU

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Secretary General

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Ecodesign
<table>
<thead>
<tr>
<th>Product type</th>
<th>Phase-out date</th>
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<tbody>
<tr>
<td>CFLi</td>
<td>1 September 2021</td>
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<tr>
<td>Fluorescent T8 2-, 4-, and 5 ft</td>
<td>1 September 2023</td>
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<tr>
<td>Halogens with G9, G4, and GY6.35 caps</td>
<td>1 September 2023</td>
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<tr>
<td>Halogen R7s &gt;2,700 lm</td>
<td>1 September 2021</td>
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<tr>
<td>Fluorescent T2 and T12</td>
<td>1 September 2021</td>
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<tr>
<td>Halogen low-voltage DLS MR11, MR16, AR111</td>
<td>1 September 2021</td>
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Article 4(1)

Manufacturers, importers or authorised representatives of containing products shall ensure that light sources and separate control gears can be replaced with the use of common available tools and without permanent damage to the containing product, unless a technical justification related to the functioning of the containing product is provided in the technical documentation explaining why the replacement of light sources and separate control gear is not appropriate.

The technical documentation shall also provide instructions on how light sources and separate control gears can be removed without being permanently damaged for verification purposes by market surveillance authorities.
What the Ecodesign CE requirements mean for lighting

<table>
<thead>
<tr>
<th>Consequences of art. 4</th>
<th>LightingEurope Guidelines support</th>
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<tbody>
<tr>
<td>All <strong>Containing Products</strong> should enable <strong>replaceability</strong> of light sources and control gears <strong>unless</strong> technically justified.</td>
<td>LightingEurope provides guidance with diagrams on replaceability</td>
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<tr>
<td>If the light source and control gear of the containing product can not be <strong>removed for verification</strong>, then the containing product is to be considered a <strong>light source</strong> for all requirements of the Regulation (energy performance requirements, information requirements, etc.) and the corresponding Regulation on the energy labelling of light sources</td>
<td>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</td>
</tr>
<tr>
<td>Art 4.2 requires <strong>information</strong> 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</td>
<td>LightingEurope provides a pictogram that can be easily used and printed without language complications</td>
</tr>
</tbody>
</table>

See pages 24-31 of the SLR Guidelines
LE Replaceability Pictograms

- Replaceable light source by a professional
- Replaceable (LED only) light source by a professional
- Replaceable control gear by a professional
- Replaceable (LED only) light source by an end-user
- Replaceable control gear by an end-user
- Non-replaceable light source
- Non-replaceable control gear
Download the LE Guidelines

https://europeanlightingpriorities.eu/guidelines.php

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.

INSERT YOUR EMAIL ADDRESS TO DOWNLOAD

Ecodesign Regulation Guidelines

Energy Labelling Regulation Guidelines
• Next Generation EU will raise money by temporarily lifting the own resources ceiling to 2.00% of EU Gross National Income, allowing the Commission to use its strong credit rating to borrow €750 billion on the financial markets. This additional funding will be channelled through EU programmes and repaid over a long period of time throughout future EU budgets – not before 2028 and not after 2058. To help do this in a fair and shared way, the Commission proposes a number of new own resources. In addition, in order to make funds available as soon as possible to respond to the most pressing needs, the Commission proposes to amend the current multiannual financial framework 2014-2020 to make an additional €11.5 billion in funding available already in 2020.