

LightingEurope

GLA Board

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Overview of the presentation

- SSL-erate Project
- Human Centric Lighting: Going Beyond Energy Efficiency
- Market Surveillance in the EU
- Ecodesign review – Requirements for MV Halogen lamps

SSL-erate project

ICT Call 11

- Issued on 18 September 2012
- Scope of call:
 - a) **Bringing together actors along the value chain to promote innovative design and new business models through open innovation**
 - b) **Promoting the cooperation of lighting industry and end users (e.g. architects, designers, installers) to accelerate the wide deployment of SSL**
 - c) **Promoting SSL and analyzing its effects in applications where there are benefits for people's health and well-being.**
 - d) **Addressing scarcity of materials, use of hazardous materials and recyclability & disposability of SSL products.**

What is it about?

- The aim of SSL-erate is to **accelerate** the uptake of high-quality SSL technology in Europe by means of open innovation with and by bringing validated information to all relevant stakeholders.
- A coordinated European effort is required to address the European societal challenges, to resolve the specific challenges of the Lighting industry as noted in the results of the **Green Paper “Lighting the Future”** consultation, and to enable lighting solutions with a societal and environmental sustainability perspective, leading to a future in which Europe evolves to the global leadership in SSL systems and solutions.

Structure of SSL-erate Project

WP1 - Management (TNO)

WP2 - Deployment of SSL: from energy saving to acceleration of 'green' business development (Lund University)

WP3 - Accelerated innovation: inventory of effects of biologically effective lighting for health and well-being (LE)

WP4 - Open Innovation to accelerate value creation (TNO)

WP5 - Ensure and monitor the uptake of SSL along the extended value chain (LE)

WP5 - Ensure and monitor the uptake of SSL along the extended value chain (LE)

- Define adequate key performance indicators for the increased in SSL
- Develop a holistic approach to promote the uptake of SSL to all stakeholders along the extended value chain
- Define the most appropriate communication tools to foster the implementation of the results of WP 2, 3 and 4
- Develop and implement a European **SSL Innovation Platform** as one stop shop tool for SSL in Europe

Human Centric Lighting: Going Beyond Energy Efficiency

What is Human Centric Lighting?

- Human centric lighting is intended to promote a person's well-being, mood and health.
- It can improve concentration, safety and efficiency in workplaces or educational environments.
- It can support healing processes and prevention of chronic diseases among persons with irregular daily routines or in elderly care.

Ground-breaking study is released in September 2013!



Key Messages from the HCL study

- Lighting is not just visual; it is now evident that lighting has biological and emotional impacts on human beings.
- Human centric lighting can become a multi-billion-euro business, covering around 7% of the general lighting market in Europe.
- While it has not been in the scope of customers, industry and policy makers thus far, a substantial growth trajectory is expected for this market. The European industry is well positioned to take a leading role in this sector.

Resources

You can download the following items in the library of the LightingEurope website:

- **The full study**
http://www.lightingeurope.org/uploads/files/Market_Study-Human_Centric_Lighting_Final_July_2013.pdf
- **A short brochure about Human Centric Lighting:**
http://www.lightingeurope.org/uploads/files/Human_Centric_Lighting_short_brochure.pdf
- **Press release:**
http://www.lightingeurope.org/uploads/files/Human_Centric_Lighting_short_brochure.pdf
- **Guide published by licht.de:** http://www.licht.de/fileadmin/shop-downloads/lichtwissen19_Impact_Light.pdf
- **Feel free to contact Anne Vick @ the LightingEurope Secretariat for further information or questions:** anne.vick@lightingeurope.org

Market Surveillance in the EU

Market Surveillance – introduction

- **Market Surveillance is a very high priority for LightingEurope**
- A dedicated and active Working Group has been established with relevant experts from LightingEurope member companies and Associations in the various EU countries
- Aims of LightingEurope Market Surveillance WG:
 - To secure a level playing field on the European lighting market by promoting enforcement and improving market surveillance
 - To develop tools and an effective process to protect the European consumers and lighting market from non-compliant lighting products

Market Surveillance – activities

- LightingEurope is developing an analysis of the impacts for the European Lighting Industry of proposed new **EU Regulations**:
 - EU Regulations on Market Surveillance of products & Product Safety which are expected to be published next year 2014
 - Revised Blue Guide on the implementation of EU product rules expected to be published by the end of this year 2013
- LightingEurope is developing **supporting tools and education and training**:
 - New LightingEurope Market Surveillance guidance documents that will be published end of November 2013 for the **European customs, market surveillance authorities and stakeholders** with summary check lists and detailed EU Compliant Requirements Products Sheets for the main types of lamps, luminaires and components
 - Publications from LightingEurope to educate the market: for example the LightingEurope Guides on the new EU EcoDesign and Energy Labelling Regulations for lighting products that were published during the summer and which are available at <http://www.lightingeurope.org/library>

Market Surveillance – activities

LightingEurope Market Surveillance lamp pilot project:

- to support the European Market Surveillance Authorities in their market surveillance activities for lighting products to assure safe and compliant products for the end users, a level playing field & fair competition
- The European lighting industry plans to submit several non-compliant lamps directly to the Market Surveillance Authorities in several EU countries and will also develop publications and communication activities to educate the market about European legal requirements for lighting products
- The project has a European scope but is limited for the moment to 4 pilot countries (France, Germany, Netherlands and Hungary).
- The product scope is for the moment lamps only but the extension to all lighting products is planned at a later stage.

Market Surveillance – concluding remarks

- The purpose of all these LightingEurope activities is to raise awareness to the Market Surveillance Authorities and the relevant stakeholders about the need to increase the activities for lighting products in the various EU countries
- Why? Because improving market surveillance is urgently needed to secure a level playing field on the European lighting market!
- The same issues are certainly also valid at global level...so **joint activities between LightingEurope and the Global Lighting Association would be very much appreciated! Your ideas are very welcome!**

LightingEurope position on the review of the Stage 6 requirements of Commission Regulation 244/2009.

Context

- ❖ The European Commission has started the review of stage 6 requirements of Reg. 244/2009.
- ❖ In so far the Commission has chosen a practical approach, taking into account the particular situation related to stage 6, which requires a dedicated analysis of technological process of these specific lamp types.
- ❖ The revision of stage 6 is part of a larger process of revising lighting related Ecodesign legislation (Ecodesign Directive, Regulations 244 and 245/2009, Regulation 1194/2012, hereinafter called “omnibus”).

Commission Proposal “*Changing the entry into force of the stage 6 requirements to 1st September 2018*”

- **Maintaining stage 6 would be an unexpected and additional banning of MV Halogen lamps**
- **Therefore LightingEurope recommends the abolishment of Stage 6 requirements, allowing LED technology to mature further and to grow to a level of market penetration that made it a viably alternative for all EU citizens after having reached an optimal point in terms of monetary and energy savings, without compromising jobs.**

Commission Proposal *“Extend the stage 6 requirements to halogen lamps with G9 and R7s socket”*

As long as no further evidence can be provided that G9 and R7s lamps are used as loopholes in Reg. 244/2009, the G9 and R7s should not be treated differently from the overall strategy agreed by Member States to MV halogens, but preferably adopted in alignment with point 1 of this position.

Commission Proposal “Introducing a provision that luminaires sold after 1st September 2015 should be compatible with LED technology to prevent future obstacles to efficient lighting”

- LightingEurope thinks it might be too early to judge if the proposed date « **1st September 2015** » is **too ambitious**, but the success of such coherent strategy has to be seen as a process rather than a single action.
- LightingEurope is looking forward to deepening the dialogue with the Commission and all lighting stakeholders to grasp the opportunities related to:
 - Addressing lighting at system level
 - Translating Ecodesign into Innovation
 - Enabling the industry to make use of the available resources to accelerate innovation and research into SSL

Conclusions

1. LightingEurope recommends the abolishment of Stage 6 requirements, allowing LED technology to mature further and to grow to a level of market penetration that made it a viably alternative for all EU citizens after having reached an optimal point in terms of monetary and energy savings, without compromising jobs.
2. G9 and R7s should not be treated differently from the overall strategy agreed by Member States to MV halogens, but preferably adopted in alignment with point 1 of this position.
3. The compatibility of luminaires with LED technology has to be seen as a process rather than a single action.



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Annex

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Consequences of maintaining stage 6: a – Impact on consumers

- In several cases Luminaires designed for HAL cannot accept, due to the “retrofit” dimensions, CFLi and LEDi. **If no halogen lamp is available any-more, the only other option is to completely replace the luminaire.**
- Reasonable estimations from industry side indicate that **more than 200 million luminaires in European households would factually become unusable** under implementation of stage 6 requirements.
- **The overall costs for consumers for keeping stage 6 becomes: €104.1bn to €105.6bn until 2025.**

Consequences of maintaining stage 6: b – Impact on jobs and industry

- Not postponing the phase out might **threaten the competitiveness of the European industry** compared to its global competitors.
- In total, the VHK VITO study estimated that if the mains-voltage halogens will be phased out, **approximately 7,300 jobs related to halogen production will be jeopardized.** (Trade Unions are talking about 11000 jobs). VHK VITO study sees also a potential positive impact of 500 jobs; this leaves a net (maximum) of 6,800 EU jobs affected.

Consequences of maintaining stage 6: Impact on energy savings

- The previous steps of 244/2009 regulation have provided the biggest contribution to the energy savings.
- The efficiency and quality of LED lamps is increasing. However, the technology still needs further development and improvements. Therefore, if consumers are forced to use CFLi / LED as early as 2016, sockets will be blocked to further improvements of energy efficiency for the next 10/25 years.
- Following the original approach to increase the HL-MV efficiency from C-class to B-class accumulated **only 3,5TWh would be saved until 2060!**