



LIGHTINGEUROPE

THE VOICE OF THE LIGHTING INDUSTRY

Annual Report 2013

letter from the president



2013 was a remarkable year for LightingEurope; even more so because it was our first official year. The commencement of this new organization marked the culmination of several years in the making and created an even stronger representation for Europe.

More than 100 years after the invention of electric light, the lighting industry in Europe is undergoing unprecedented change. The shift to LED technology not only provides a highly energy efficient lighting technology, but it also enhances the possibilities lighting offers to consumers, designers and the environment. LightingEurope was formed in response to these changes and to maintaining Europe's strong leadership role in the industry. And after one year, we are already seeing results.

In 2013 we welcomed two new members: Samsung and Dow Corning; we've published numerous Eco-labelling guides as well as our ground-breaking market study: Human Centric Lighting; we've met success at the Minamata Conventions; were awarded the SSL-erate ICT Project call to increase the uptake of Solid State Lighting; and presented our position on the future of the industry to European Commission President Barroso. But that barely scratches the surface of this past year's achievements. I invite you to read our annual report and visit our website to learn more.

Looking ahead, we are prepared for the challenges and opportunities facing the industry. In the year (and years) ahead, it is critical that we incorporate new approaches to light and we move from products to systems and produce smart lighting for society. Lighting offers so much more than a chance for energy efficiency savings. Given the socio-economic challenges Europe is already facing, and will increasingly face in the future, European policy makers are called upon to foster a policy of phasing in new and innovative products, systems, and services to the European lighting market.

Moreover, it is necessary to foster market information and market surveillance in order to enable customers to make an informed purchasing choice and to accelerate the take-up of high quality products, systems, and services in the European market.

Europe has a history of leadership and innovation in the lighting industry. We look forward to continuing this tradition and to many bright years ahead.

All the best,
Dietmar Zembrot
President, LightingEurope

the ESOLi project www.esoli.org



In the course of 2013, the ESOLi project (Energy Savings Outdoor Lighting), which aimed at promoting and rolling out the extended use of adaptive lighting in outdoor areas using intelligent systems, came to an end. The 16 partners in 14 Member States completed their final deliverables. LightingEurope, as leader for the training of street lighting personnel supervised the partners training activity and reported to the coordinator, Berlin Energy Agency, and the European Commission.

As a partner, LightingEurope organised a technical Seminar, jointly with its member association, AGORIA, on 18 April in Brussels. Attendance: 40 Participants.

Marc Guiraud and Jürgen Sturm prepared a presentation on the results of the project, at the Strategies in Light Europe Conference in Munich on 21st November. During the 3 years project life 150000 light points with adaptive solutions were installed in the 16 partner countries, 20 national workshops were organised and the training seminars attracted some 800 participants. Also 31 ESCOs were involved.



highlights

emergency lighting

Publication of a LightingEurope Position Paper on emergency lighting: **Maintenance and the Cost Effectiveness of Automatic Emergency Lighting Testing** is available in the LightingEurope online library.



This LightingEurope position paper explains the value and importance of automatic emergency lighting testing with information on the following items:

- o Why test emergency lighting?
- o Testing requirements
- o Automatic testing equipment
- o The case for automatic testing

smart lighting

In June 2013, the European Commission published a report entitled *Lighting the Cities - Accelerating the Deployment of Innovative Lighting in European Cities*. "Today, LED lighting technology has come of age and is able to deliver benefits to cities and citizens alike. It offers more controllable and higher quality light, enhanced visual performance and improves the ambience and safety of urban environments" wrote Neelie Kroes Commission Vice-President for the Digital Agenda for Europe in her forward. LightingEurope contributed to the report, as member of the EU Task Force on Solid State Lighting for Cities. The report is aimed at decision makers in European cities responsible for indoor and outdoor lighting infrastructures that considers SSL deployment and come up with a set of recommendations e.g. the development of specification, the adoption of SSL Lighting standards and open lighting architectures.

Link to report:

<https://ec.europa.eu/digital-agenda/en/news/new-commission-report-lighting-cities-accelerating-deployment-innovative-lighting-european>

LightingEurope issued on 3 July a position paper prepared by its WG Smart Lighting: *Adaptive Road Lighting, an Intelligent Alternative to Simply Switching Off at Night* that highlights that there are better options than simply switching off road lighting at night (via dimming, or intelligent controlling). The full paper is available in the LightingEurope online library.

Minamata convention



Léon Konings on behalf of LightingEurope presenting at Minamata

A milestone achievement for UNEP and also for LightingEurope in 2013 was the signing of the Minamata Convention by a large majority of the negotiating countries. This is a new global regulation on mercury. With regard to lighting, it is setting basic mercury levels for mainstream lamps. As a result, mercury emission attributed to lamps will drop and the levels will be globally harmonised.

LightingEurope actively promoted the idea of having more ambitious environmental targets and to lower the mercury limit below that of Minamata, as a variety of low-cost, enabling technologies are globally available. During the Minamata Convention, LightingEurope representative, Léon Konings, gave a speech at the plenary meeting for high governmental officials from across the world.

LightingEurope and its members are ready to help countries to implement Minamata Convention or a more ambitious hazardous material regulation for lamps.

RoHS exemptions renewal 2013 - 2016

RoHS puts a general ban on using mercury, lead etc. in electrical and electronic equipment (EEE). There are some exemptions from this general rule, which will expire in July 2016. The exemptions must be renewed before January 2015 to avoid the prohibition of several lamp categories.

In RoHS there are 65 exemptions that are still valid after 2013. Out of this, 49 are relevant for the lighting industry. 31 exemptions are considered to be critical that lamps can be manufactured. And LightingEurope is the lead organisation for preparing 27 exemptions.

new substances in RoHS

On behalf of DG Environment the Austrian Umweltbundesamt prepared a methodology to identify substances to be banned under RoHS. They proposed three phthalates and one flame retardant. LightingEurope closely watched the process and commented on the proposal of the consultant. LightingEurope was of the opinion – together with other industry organisations - that neither the methodology nor the proposal for banning four new substances satisfy the criteria of being scientific. The process continues in 2014.

SSL-erate

LightingEurope, along with 23 other consortium partners, was awarded as of November 1, 2013, the ICT Project Call SSL-erate. The purpose of this three-year project is to facilitate the uptake of Solid State Lighting in Europe, with a particular focus on the positive effects of light on human health and well-being.

briefing

On June 28, LightingEurope President Dietmar Zembrot submitted a briefing to European Commission President José Manuel Barroso regarding the future orientation of the European lighting market. The full briefing is available online in the LightingEurope library.



LED Forum, Paris



LightingEurope presentations at LED Forum, Paris

At LED Forum Paris, LightingEurope presented an update of the Ecolighting project (Ecolabel and Green Public Procurement criteria).

The consortium has at the moment a critical view on the implementation of the Ecolabel criteria for light sources due to the “Hazardous Substances criteria” which are in practice not possible to fulfill: interpretation, information flow etc. These represent too high of an uncertainty to come to workable criteria!

The revision of the Ecolabel Regulation 66/2010 should address the issue. Concerning GPP, the consortium will promote the systems concept to realise the energy saving potential of a product through its correct use, and also realise the energy saving potential of linking the use of a product to the requirements of the application. An empty office does not require active lighting, no matter how energy efficient the lighting product may be.

human centric lighting



2013 welcomed the publication of the ground-breaking market study, **Human Centric Lighting: Going Beyond Energy Efficiency**.

For the first time, a joint study by LightingEurope, the German Electrical and Electronic Manufacturers' Association (ZVEI), and the global management consulting firm A.T. Kearney shows that human centric lighting can become a multi-billion-euro business, covering around 7% of the general lighting market in Europe.

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 elder care. The full report is available online in LightingEurope's library.

collection & recycling



The EU Member States shall transpose the new WEEE Directive (2012/19) into their own national legislation prior to 14 February 2014. To this end, the Members of LightingEurope and in particular Working Group Collection & Recycling have monitored the progress of the transposition at national level. In many countries the Members have been consulted by the authorities in open consultation processes to provide the industry feedback. In most countries draft legislations are on the table and so far Bulgaria and the UK have transposed the Directive.

The WEEE Directive foresees a number of mandates assigned to the European Commission to prepare further legislative developments e.g. on the scope and collection targets. In this respect, the Working Group Collection & Recycling has been in consultation with the Commission representatives and the Commission consultants to provide feedback for these future works.

LightingEurope has been involved in CENELEC works for the preparation of the European standard EN 50625-2-1 Collection, Logistics & Treatment requirements for WEEE - Part 2-1: Treatment requirements for lamps. In working jointly with various stakeholders, including collection take back schemes and recyclers, the draft is now up for review by the national standardisation committees with a final publication foreseen in early 2015. Such standards are important as they complement the legislation, bring a reference point for good practice in waste management, and facilitate a level playing field for compliant organizations.

In 2013, LightingEurope embarked, with other pan-European associations from other sectors, to oppose the French Draft Decree on the set of common symbols informing the consumer of recyclable products which are subject to extended producer responsibility (aka the Triman Mark).

market surveillance

Creating and maintaining fair competition and a level playing field on the European market is an important focus area of LightingEurope.

A significant quantity of lighting products that do not conform to applicable EU legislation and requirements, are being placed on the European market which puts on stake the health and safety of the European consumers, distorts the competition and damages the achievement of European environmental targets.

Hence why, functioning Market Surveillance in Europe is urgently needed:

- to protect European consumers citizens against risks presented by non-compliant lighting products,
- to enable smooth functioning of the Single Market and
- to protect responsible and reputable lighting manufacturers in Europe from unfair competition by unscrupulous economic operators who act in violation of the applicable rules

A sampling of LightingEurope market surveillance activities in 2013 to help securing a level playing field in Europe include:

- Supporting tools, education and training: publication of LightingEurope summary check lists and detailed EU Compliant Requirements Products Sheets for its major lighting products' groups to support the Market Surveillance and Customs Authorities in the various EU Member States to identify compliance and/or non-compliance of the major lighting products' groups with the applicable EU legislation requirements. These documents provide economic operators with a simple and immediate way to:
 - Identify the product
 - Identify the applicable legislation
 - Check the label of the product and its markings
 - Identify what kind of visual check may easily be done

Available on the LightingEurope website:

- LightingEurope EU Compliant Requirements Products Sheets about LAMPS
- LightingEurope EU Compliant Requirements Products Sheets about LUMINAIRES
- LightingEurope EU Compliant Requirements Products Sheets about COMPONENTS
- Cooperation with the EU Member States / national Market Surveillance authorities.
- EU Regulations: LightingEurope has provided comments to the European Commission on various draft regulations.
- LED customs codes: preparation of LightingEurope proposal to the World Customs Organisation and the European Commission DG Customs & Taxation for LED Assemblies in the 2012 Harmonised System Code and 2017 review.

The purpose of all above 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.

guides

LightingEurope was pleased to publish the following guides which are available on our website:

1) GUIDE FOR THE APPLICATION OF THE COMMISSION REGULATION (EU) NO. 1194/2012 SETTING ECODESIGN REQUIREMENTS FOR DIRECTIONAL LAMPS, LIGHT EMITTING DIODE LAMPS AND RELATED EQUIPMENT

2) GUIDE FOR THE APPLICATION OF THE COMMISSION REGULATION (EU) No. 874/2012 WITH REGARD TO ENERGY LABELLING OF ELECTRICAL LAMPS AND LUMINAIRES

3) The Guides are complemented by the LightingEurope Questions & Answers document

These guides were published at a time when the lighting industry is undergoing unprecedented change arising from the introduction of LED technology. It is not exaggerated to say that this new technology will revolutionize our understanding of lighting. It is in this context that LightingEurope has decided to bring you these guidance documents in order to enable us all to seize the full opportunities of LED lighting based on a joint understanding of the regulations in place.

new members

In 2013 LightingEurope was pleased to welcome Dow Corning and Samsung as new members.



SAMSUNG



DOW CORNING



LIGHTINGEUROPE

THE VOICE OF THE LIGHTING INDUSTRY



contact us

LightingEurope is an industry association of 33 European lighting manufacturers, national associations, and companies producing materials. LightingEurope members represent over 1,000 European companies, a majority of which are SMEs; a total workforce of over 100,000 people in Europe; and an annual turnover estimated to exceed 20 billion euros. LightingEurope is dedicated to promoting efficient lighting practices for the benefit of the global environment, human comfort, and the health and safety of consumers.

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members

