

# THE LAMP

## 2004 Annual Report

### FROM THE PRESIDENT

**As** we pause for breath and take stock of the events through which we have recently passed, it is evident that 2004 has been an incredibly busy year for the ELC Federation. We have been active on a large variety of policy issues of great importance to our sector, and we will continue to give these our full attention in 2005 and beyond.

In line with our intentions expressed last year, this annual communication serves to inform the relevant EU institutions, sister Federations and other interested parties of the progress on certain activities pursued by this organisation and publications of interest. The section on 'Focus Groups' aims to provide some detail on the key issues we currently face.

In 2004 we further developed our relationships with the EU institutions (particularly the Commission and the Parliament). We are working in partnership with them to develop European legislation relevant to the EU lamp industry. This relationship has been brought into sharper focus with the introduction of a number of initiatives on energy efficiency in particular the framework directive on the Eco-Design of Energy Using Products where the ELC Federation has ambitious plans pioneered by our Secretary General, Gerald Strickland. We also continue to be active at Member State level with the Directive on Waste of Electrical & Electronic Equipment, which comes into force in August 2005. Here we are currently working to ensure that Collection and Recycling Service Organisations and systems are operational in good time to allow our members to fulfil their obligations.

Inside Europe we continue to forge ever-closer relationships with other industry federations particularly those from related sectors in the electrical and electronic industries such as Federation of National Manufacturers Association for Luminaires and Electrical Components (CELMA), and downstream handlers of our products including the European Union of Electrical Wholesalers (EUEW) and the European Installers Association (EIA). We have also kept an eye on developments outside the European Union and in doing so we have this past year established stronger links with our counterparts in the US - the National Electrical Manufacturers Association (NEMA) & the Japan Electric Lamp Manufacturers Association (JELMA).

In the context of the recently ratified Kyoto Protocol, I greet the challenges we face in 2005 and beyond, to increase uptake of the vast range of energy efficient products long offered by our member companies – to fulfil our sectors responsibility to mitigate the effects of rapid climate change experienced today. In the words of one of our recent publications – we can't do this alone – help us make the switch!



A handwritten signature in blue ink, appearing to read 'Jan Denneman', written over a white background.

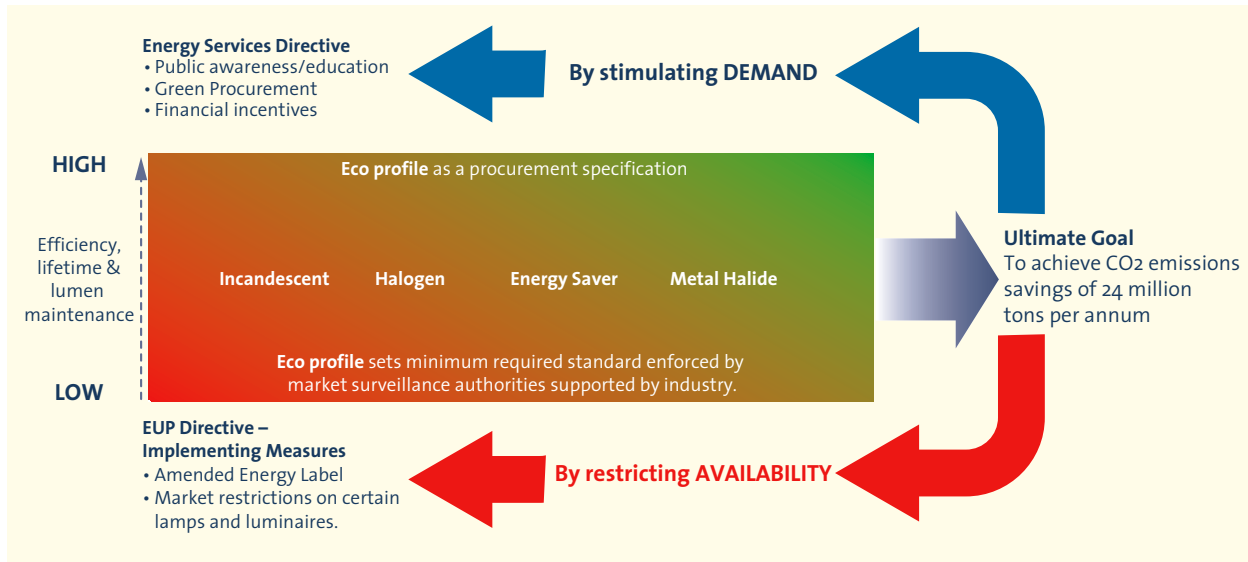
Jan Denneman  
President ELC

# FOCUS GROUPS

## Eco-Design – Making the Switch to Energy Efficient Lighting - What Needs to be done?

In looking at how to achieve significant emission reductions by increasing the penetration of the high quality, energy efficient lighting and to overcome the problem of 'total cost of ownership', we have sought to consider the issue in the following way:

### Achieving the optimum policy balance



The key conclusions of this analysis are that there are two pieces of legislation currently being considered by the EU which between them cover the main possibilities for action to promote new progress on energy efficient lighting<sup>1</sup>:

- Short-term measures by Government to incentivise consumers, both public and private, to choose high quality, energy efficient technologies are necessary in order to stimulate the market.

Within the framework of the future legislation on end-use energy services, Member States are asked to set targets to increase energy efficiency and promote services which integrate energy-efficient technology, such as lamps. If agreed and followed through properly, ELC believes that this will help to do the following:

- Boost public procurement of energy-efficient lamps, notably in the area of street lighting<sup>2</sup>. ELC is undertaking studies to further identify the potential for this and best ways to achieve this.
- Encourage more Member States to set mandatory energy efficiency targets for energy suppliers, and associated organisational frameworks for channelling finance into schemes which seek to increase the use of energy-efficient products.

To reduce the problems associated with low quality, energy inefficient products on the European market, a combination of specific measures to dissuade consumers from purchasing them may be necessary. The ELC federation wants to propose new implementing legislation for the future EC Framework Directive for Eco-Design of Energy Using Products, which would lead to market restrictions in Europe of a certain number of the least energy-efficient lamps. The ELC Federation suggests that this could be provided for two categories of

lamps, for which more efficient alternatives exist which fully satisfy customer performance demands:

- For High Pressure Mercury lamps, used in street lighting, High Pressure Sodium or Metal Halide lamps should be used to replace them
- For Standard lamps, used in offices, 3-band fluorescent lamps should be used to replace them.

Given the size of the market concerned, achieving a shift to energy efficient alternatives in these areas would go a long way to achieving the potential annual savings of 24 million tonnes of CO<sub>2</sub> emissions (as identified by the Commission) in a targeted, cost-efficient and highly effective way.

<sup>1</sup> COM(2003) 739 final, Commission Proposal for a Directive on the Promotion of End-Use Efficiency and Energy Services; COM(2003) 453 final, Commission Proposal for a Framework Directive on the Eco-Design of Energy-Using Products

<sup>2</sup> See ELC 'Did you know about the energy saving potential from Street Lighting?'

### ELC PUBLICATIONS & POSITION PAPERS PUBLISHED IN 2004

The ELC Federation 'new look' brochure.

Standard Terms used for Lamps throughout Europe & translated equivalents

Further Outlook: Rising Temperatures - How energy efficient lighting can help to fight climate change.

ELC Federation – Guide to the Directive 2002/95/EC on Restrictions of the use of certain hazardous substances (RoHS).

ELC Federation Comments on the Council Common Position on the Framework Directive on Energy Using Products 2003/0172/COD.

Did You Know... four reports on the industry

Please check our website **library & media corner** for any new publications of interest. You can also contact our Secretary General.

## LEARNING

### New Energy-Efficient Lamps – How Good Are They?

Lamps have the most energy-related environmental impact during their use phase, an impact that can reach amounts up to 90% depending on the lamp type. Therefore, by improving the design of lamps to ensure that they are as energy-efficient as possible, ELC member companies have sought to address overwhelmingly the largest single energy-related environmental impact – and what is more, ELC members have achieved this at the same time as making important additional environmental improvements<sup>2</sup> and maintaining or improving important qualities such as lifetime and luminosity.

New energy efficient lamps can reduce energy consumption by as much as 80% and can last up to 15 times longer than conventional equivalents. Moreover, energy-efficient alternatives are available for all the main application areas, both the 70% of the market devoted to 'professional' applications and the 30% of the market devoted to domestic applications. As a result, by using the latest current product ranges that have been developed by ELC member companies, depending on the type of fixture and subject to some specific performance needs, domestic, professional/public lamp consumers alike could all save energy by re-lamping, up-grading or accelerated renovation.

<sup>2</sup> See ELC 'Did you know...about the glowing environmental progress record of the European lamp industry?'

## IN THE SPOTLIGHT



Establishing relations East & West with JELMA (Japan Electric Lamp Manufacturers Association) & NEMA (National Electrical Manufacturers Association)



### Waste of Electrical & Electronic Equipment (Dir WEEE) – How plans are progressing on the implementation of Directive WEEE.

The working group has this year continued with plans introduced in 2003 and laid out in the detailed blueprint entitled **Let There be Light**, which provides for the sustainable waste management of lamps in the EU in order to achieve the environmental goals of the WEEE Directive.

Activity in 2004 has seen the preparation of the legal and other documentation required to support the set up, functioning, control and monitoring of a Collection & Recycling Service Organisations in each Member State to deal with the treatment of 'end of life lamps'. This has not been easy as some Member States have signalled that they will not transpose the text of the directive into national legislation on time – indeed they have not - and this has in turn put pressure on the 'entry into force' of the directive scheduled for 13th August 2005.

In order to facilitate better communication between the ELC Federation and various National Lighting Associations operating at Member State level, the ELC has engaged the services of Ghent based PricewaterhouseCoopers to also ensure that specific milestones are achieved.

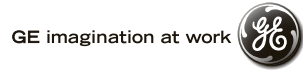
For further information **Let There be Light** – can be found on our website [www.elcfed.org](http://www.elcfed.org).



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Sylvania Lighting International (SLI)  
[www.sylvania-lighting.com](http://www.sylvania-lighting.com)



## CONTACT US

Secretary-General  
ELC Federation asbl/vzw  
Diamant Building  
Boulevard Reyers 80  
B-1030 Bruxelles  
Belgium  
[Info@elcfed.org](mailto:Info@elcfed.org)  
Tel: +32 (0)2 706 86 08  
Fax: +32 (0)2 706 86 09  
[www.elcfed.org](http://www.elcfed.org)