EuropeaN Efficient Residential Lighting INitiative

Lighting consumes 14% of all electricity consumption within the EU and represents a big energy saving potential still of 20% on all the lighting currently installed in Europe. Old and inefficient lighting technology consumes large amounts of unnecessary energy, creates a cost burden both for local authorities, business and tax payers and produces large and unnecessary amounts of CO2. Furthermore, energy savings from CFLs, by replacing only one additional GLS lamp by one CFL per household a gain of 11 TWh corresponding to 1.2 Mt of less CO2 per annum can be achieved. To achieve considerable savings in this sector, a coherent strategy is required to transform the lighting market. The consortium work has focussed on the better promotion of Compact Fluorescent Lamps for residential use. The overall project objective was to substantially increase the efficiency of indoor residential lighting in a number of EU Member States, through increased applying of CFLs in this sector.

Results

- Work on CFL quality and CFL promotion. In that frame the European CFL Quality Charter has been amended in order to take into account new requirements for CFLs in accordance with EcoProfile and EuP directives.
- Production and testing of promotional materials during several campaigns across regions and countries.
- Papers in general and specialized press addressing various targets (end-users as well as professionals), interviews, TV and radio broadcasts have been diffused is several countries.
- Training activities.
- Wide use of new communication and information technologies (web, web TV, net-lessons, e-learning) for addressing population at various levels. All in all, it is estimated that more than 2,000,000 people have been touched by the EnERLIn actions during the project duration.

Lesson learned

- Artificial light generation is a fundamental need for human beings. This seems to be a very general lesson, however it has a very strait forward incidence to all Energy Efficient Lighting schemes that can be proposed for implementation: end-user is very conservative and reluctant to new lighting solutions especially when they don’t satisfy some aspects related to quality of life. Energy saving due to light is considered as important by population, after however quality of life and comfort.
- End-users are very regarding on CFL Quality. Low quality devices “pollute” the market and seriously impede the increase of market penetration of that energy efficient technology. A systematic CFL-quality control is imposed in EU level following a well-defined unique testing
protocol and associated with readable and compulsory labelling.

- There is a significant lack of knowledge and data on the penetration and the trends in use of various lighting technologies in households. This is especially true in Eastern European countries, therefore it is difficult to clearly articulate what we would like to achieve with a campaign and whom exactly we could target in order to increase efficient light sources penetration.

**Partners and coordinator**

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<th>Partners and coordinator</th>
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<td>France</td>
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<td>e-ster bvba</td>
<td>Belgium</td>
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<td>Sofia Energy Centre</td>
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<td>SEVEN, Stredisko pro efektivni vyuzivani energie, o.p.s.</td>
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<td>Ente per le Nuove Tecnologie, l'Energia e l'Ambiente</td>
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**Budget**

Overall budget: 1.870.950,00 € (EU contribution: 49,00 %)
Key documents

- **Project Report** [15]
  PDF 4.31 MB
- **Report on CFL recycling across Europe** [16]
  PDF 5.54 MB

In brief

Sector: Equipment and products

Duration: 01/01/2006 to 31/12/2008

Contract number: EISAV/EIE/05/176/2005

Website: http://www.enerlin.enea.it

Tags:

  efficient products

Related projects

- [ATLETE] [17] ATLETE: Appliance Testing for Energy Label Evaluation
- [COMFON LABELS] [18] Common appliance policy – All for one, One for all – Energy Labels
- [E-SERVER] [19] Development of the market for energy efficient servers
- [ECO N' HOME] [20] Eco n' Home or how to reduce energy consumption in Household
- [4EM-MCP] [21] Energy Efficient Electric Motor Systems in New Member and Candidate...
- [E4] [22] Energy-Efficient Elevators and Escalators
- [EURO-TOPTEN PLUS] [23] EURO-TOPTEN PLUS
- [GREENLABELSPURCHASE] [24] GreenLabelsPurchase - making a greener procurement with energy labels
- [CEECAP] [25] Implementing EU Appliance Policy in Central and Eastern Europe
- [PROEFFICIENCY] [26] PRO-EFFICIENT COLD & LIGHTING PRODUCTS
- [EURO-TOPTEN] [27] Reducing energy consumption: making efficient products the normal and best...
- [REMODECE] [28] Residential Monitoring to Decrease Energy Use and Carbon Emissions in...
- [ENERGY+ PUMPS] [29] Technology procurement for very energy efficient circulation pumps
- [NEW GREENLIGHT] [30] The European GreenLight Programme in New Member States


Links
