

Topten

Energy saving lamps

Guidelines for Frontrunner Public Procurers



What is Topten?

Topten is a European web portal helping buyers to find **the most energy efficient products available in Europe**.

The energy saving lamps displayed on www.topten.info all meet the criteria contained in these guidelines. So procurers can ascertain that there is a sufficient range of products available on the market.

On www.topten.info you'll also find links to national topten sites of a large number of European countries. www.topten.info

The European Commission's **GPP website** also contains valuable legal and practical guidance together with procurement criteria for a range of commonly procured products and services.

Product group covered:	Compact fluorescent lamps (CFLs, Energy saving lamps) with integrated control gear operated on main voltage
Product availability:	All products listed on www.topten.info meet the criteria listed below
Potential energy savings:¹	A 15W CFL's luminous flux (about 800 Lumen) corresponds to that of a 75W incandescent lamp. Compared to a conventional incandescent lamp, one single CFL leads to energy savings of 600 kWh in ten years.
Potential cost savings:¹	The energy savings mean a cost reduction of € 90 ² in ten years for one single lamp. Additional costs are saved through the longer durability of CFLs: Topten CFLs have an average durability of over ten years, while conventional light bulbs have to be replaced each year.

¹ These represent rough figures comparing the best product currently available, with an inefficient model – see www.topten.info for more details.

² Based on an electricity price of €0.15/kWh

Procurement criteria – Updated: March 2010

The following criteria can be inserted directly into tendering documents. The specifications are updated continuously. The newest versions are always available at www.topten.info.

Subject matter:	Purchase of compact fluorescent lamps ('Energy saving lamps')
<p>Technical specifications:</p> <ol style="list-style-type: none"> 1. Energy efficiency label class: A 2. Average lamp life: minimum 15'000 hours 3. Minimum number of switching cycles: 75'000 4. Colour rendering index Ra: Ra ≥ 80 5. Complete declaration, including: wattage, luminous flux, energy label class, average lamp life, switching cycles, colour temperature, length and diameter, location of production, containment of hazardous substances (according to Restriction of the use of certain hazardous substances - RoHS). <p><i>Verification:</i> Bidders must supply a declaration regarding their product's compliance with the above requirements, supported by technical data and test results. Where compliance with these criteria is dependent upon defined usage patterns or other factors these must be clearly identified in the declaration.</p>	

Notes on implementation

- The above technical specifications relate to CFLs only, and do not cover light emitting diodes (LEDs).
- To maximize savings and minimise environmental impact, contracting authorities should assess whole-life cost when purchasing lighting. This should take account of the usage pattern expected, average lamp life and disposal costs.
- Many design types which are suitable for replacing incandescent lights and which meet the above criteria are currently available, see www.topten.info for details.
- Different types of energy efficient lighting may be suitable for outdoor use, areas with a high number of switching cycles and fixed luminaires. Public authorities who wish to develop tailored criteria for these situations are invited to contact the Procura+ team.

Advice and support

If you would like further assistance in using the information presented here in your own procurement actions or more information on Topten Pro please contact the Procura+ team at:

Procurement@iclei.org

+49 761 368 9244

An expression of interest form is also available on www.topten.info/pro for public authorities who would like support to apply these criteria in an upcoming procurement process.

Procura+
Sustainable
Procurement
Campaign



What is Procura+?

Procura+ is an initiative designed to help support public authorities in implementing Sustainable Procurement. The campaign is run by ICLEI – Local Governments for Sustainability – and is the Topten partner for public authorities. www.procuraplus.org