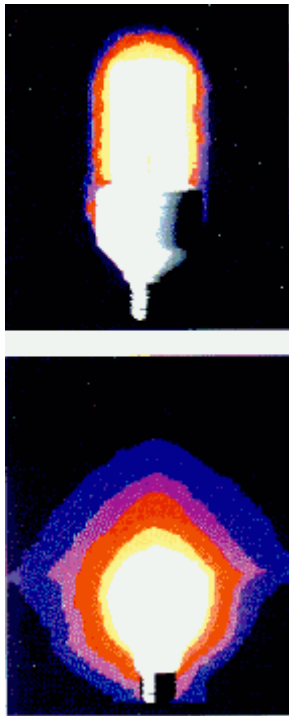


Energy-saving lamp

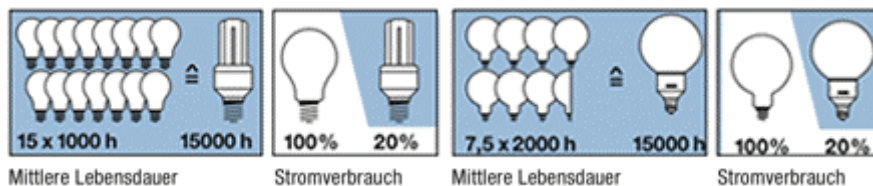
Energy-saving lamps transform electricity to light efficiently as opposed to light bulbs. By conserving up to 80% of electricity and significantly longer life span the investment pays off very quickly.

The thermo graphic comparison makes it clear: The light bulb converts 95% of the electricity into warmth and only 5% into light. In comparison, energy-saving lamps supply the same brightness with 80% less electricity consumption.



From: Light program 00/01, Osram, Munich

The energy-saving lamp is actually a compact fluorescent lamp, which increasingly finds use within the living area. There it produces a comparative amount of light to normal light bulbs, however with substantially lower capacity. With the compact fluorescent lamps having U-shaped or circular illumination tubes, which are either bent, cylindrical or spherical, the ballast and starter are in the screw base, so they can be screwed into normal light bulb sockets. With another design, the illumination tubes are bent 180°, and both end lead into a common base with pin contacts. The base also contains the starter. The ballast is lodged separately in the lamp.



Middle life span, electricity consumption



Eco house- old building illumination

The following OSRAM energy-saving lamp is used in the illumination of the tow-family “Eco house – old building” home:

OSRAM DULUX® EL FACILITY 14 W
(corresponds to the lighting performance of a conventional 75 W light bulb)



Faster start with QUICK START, „Heavy Duty“- switching soundness, DC current- and emergency power suitability.

- Ideally suited for lighting systems with motion sensors or with automatic shut-off, e.g. in the stairway
- Extra long middle life span of 15.000 hours
- Often unlimited switching capability over the entire life span

- QUICK Start switching for fast light-current start-up after turning on
- Also suitable for DC current and continuous operation of emergency lighting facilities
- Now in 10W, 14 W and 18 W

Operational area at eco house – old building: Everywhere, where the light should to turn on quickly and is switched on very often (entrance area sensor lights, porches, stairways, corridors, etc.)

OSRAM Dulux® EL-LONGLIFE 7 W
(corresponds to the lighting performance of a conventional 40 W light bulb)



- Excellent colour rendering
- Outstanding light distribution
- Flicker free start
- Flicker free operation
- Size system of measurement similar to light bulbs

Operational area at eco house - old building: Everywhere, where the light burns longer and is switched less often (living room, kitchen, work room, etc.)

Saving-economically

Each unused kilowatt-hour contributes to climatic protection. The energy-saving lamp helps. Without loss of comfort, 26.5 kg of the climatic gas CO₂ are avoided. And this every year.

Saving-business economically

The savings program at eco house - old building with energy-saving lamps is fully under way and the results will be published here again.

A savings on the average of about 5 Euros per energy-saving lamp used can be reckoned with. Therefore once again a totally good savings.