



Choice of light bulbs

- Use energy saving light bulbs in lamps, which are not frequently switched on and off and can stay switched on for a longer time. Too frequent switching on and off can significantly reduce the lifetime of energy saving light bulbs. Thus, these light bulbs are not recommended in lamps with movement detectors and rooms where they are only switched on for short periods of times (i.e. storage room, staircase). IRC halogen lamps are recommended in these cases. These are new halogen lamps with a special infrared coating increasing their lifetime (generally the double, i.e. from 2,000 to 5,000 hours in comparison with a normal halogen lamp) and reducing their energy consumption (by 25 to 45 % in comparison to normal halogen lamps).
- Energy saving light bulbs should not be used for outdoor lamps in low temperatures. If temperatures are too low, lamps will not work properly.
- LED lamps are resistant to cold and are thus recommended for outdoor appliances. Solar lights with LED lamps are highly recommended.
- For punctual lighting (i.e. spots in show cases or on a specific object) IRC halogen lamps are the best choice, they come in various forms (for high voltage and low voltage): bulbs or candle shapes for staircases, spots, reflector lamps („spots“), base lamps (i.e. to be integrated in furniture and hanging lights,...). Recently LED lamps are also available as spots.
- When buying energy saving light bulbs, go for branded products and check that the packaging provides the following information: lifetime (in hours), light color, energy efficiency (EU energy label), power (in watt), size and form of the base,...
- Energy saving light bulbs should belong at least to the energy efficiency class A or B (EU energy label).
- The lifetime of energy saving light bulbs should lie between 10,000 and 15,000 hours for quality products.
- The best energy saving light bulbs for the Luxembourg market are listed on the website www.oekotopten.lu. Furthermore the Union Luxembourgeoise des Consommateurs ULC regularly publishes tests on energy saving light bulbs.
- Energy saving light bulbs produce electro smog but not more than usual household appliances. In 1 to 1,5 m distance, they comply with the values determined for the TCO label for computer screens (there are no values yet for energy saving light bulbs). Thus, use IRC halogen lamps in reading lights.
- LED lamps have a very low energy consumption (batteries can be used as well). Thus use pocket lights with LED lights instead of usual pocket lights. LED pocket lights are just as powerful as normal pocket lights.





Ecologic disposal

- Take all defect light types to the *SuperDrecksKëscht®* (recycling center or mobile collection container). Recycling energy saving light bulbs and neon tubes is carried out by the *SuperDrecksKëscht®* together with Ecotrel. Do not put them in the household waste or the glass container. The composition of the bulb is different than for bottles (leading to an inappropriate glass production during the melting process) and they contain quicksilver which is harmful to people and the environment if released.



The choice of the right lighting appliance is determined by various factors as the number of time it is switched on and off, the average lighting time per day, price,...

Take advice from professional staff in the shops. A list of the shops participating in the action „Clever akafen“ is available on www.sdk.lu.

General recommendations			
	Energy saving light bulbs	IRC halogen lamps	LED lights
Lighting with high continuous duration	👍		👍
Outdoor (in low temperatures)		👍	👍
Frequent switching on and off (staircase, storage)		👍	
Lights with movement detectors		👍	
Direct lighting		👍	👍
Reading lamps		👍	👍