

SAVING ENERGY WITH LED TECHNOLOGY

- Less energy consumption – up to 80 % less than a classic light bulb
- 100 × longer lifespan (up to 100,000 hours or more, with a guaranteed lifespan of 50,000 hours – classic light bulb only 1,000 hours)
- Unaffected by the frequency of on/off switching

INFLUENCES OF LED TECHNOLOGY ON PEOPLE AND THE ENVIRONMENT

- LED light is friendly to the eyes – there is no light flicker
- LED light is of high quality – clearer and more accurate colours
- Less heat build-up due to high efficiency
- Products do not contain heavy metals or other environmentally damaging materials
- The product is environmentally friendly

ADVANTAGES OF LED OVER ENERGY-SAVING LIGHT BULBS

- Energy-saving light bulbs contain mercury, while LED bulbs do not require mercury or any other heavy metals to function.
- The lifespan of energy-saving light bulbs depends on the number of times they are switched on/off – this number has no effect on LED bulbs.
- Due to an asymmetrical spectrum where only certain wavelengths are strongly accentuated, energy-saving light bulbs emit an intrusive artificial light and have a low colour rendering index. As a result of the mercury content, they also contain UV light. With LED bulbs, light is concentrated only in the visible part, with a relatively symmetrical spectrum and without UV or IR factors.
- Upon switch-on, energy-saving light bulbs need a few minutes to reach nominal output without flickering – or “blinking”. LED bulbs light up fully as soon as they are switched on.