

LUMCO LAMPS:

A SUSTAINABLE LIGHTING SOLUTION

Taken worldwide, lighting has a 19% share in total energy consumption.

In commercial and public buildings, lighting occupies a significant proportion of the amount of energy used (approximately 25%). As a result, Lumco sees it as a priority to provide sustainable lighting solutions that can make a major contribution to the overall sustainability of buildings.

At Lumco, sustainable product development and care for the environment are also central concerns. Lumco lamps provide sustainable lighting solutions: lamps that are economical when it comes to using energy, as well as providing outstanding light levels and with an absolute minimum of harmful matter for the environment. Lumco lamps make it simple for you to reduce your spending on energy and waste.



LUMCO



ENERGY-EFFICIENT

In most buildings over 90% of lighting costs consists of energy. And energy prices are constantly rising. By switching over to energy-efficient lighting, you can make significant savings on your operating costs, as well as combat global warming. Lumco lamps provide you with the right solution to achieve this aim. This is because Lumco lamps are very energy-efficient in comparison with other sources of light used for the same type of application. With Lumco lamps, the majority of the energy used is converted into visible light and not into heat. Lumco lamps have an overall luminous efficacy of up to 100 lumen per watt and give you maximum light output for the amount of energy consumed. Lumco lamps also produce extra high average light outputs (> 4,000 lumen/m).

In order to achieve a particular level of light with these lamps, the number of lamps required can also be appreciably reduced, which again generates energy-savings. Lumco lamps can also be fitted with dimming systems so that maximum use can be made of natural light, which again cuts down on energy consumption.



ABSOLUTE MINIMUM USE OF MERCURY

The sustainability of lighting solutions also involves having a low level of toxicity. Lumco lamps are produced from lead-free glass and contain the absolute minimum of mercury while still maintaining the same light output and length of service life. Lumco fluorescent lamps contain almost > 80% less mercury than cold cathode lamps.



LONG LIFE

Lumco lamps have a very long service life, with an average of 45,000 operating hours. This means that the impact that our lamps have on the environment is also reduced as it takes often 5 times as long before the lamps need to be replaced.



RECYCLING

At Lumco, we do everything we can to avoid waste by recycling defective (broken) lamps. As an accredited Recupel collection point, all defective lamps are collected and recycled in an environmentally responsible way. After they are collected by Recupel, they go through a decontamination and dismantling process and any harmful constituents are processed separately. Both the glass and the mercury are recycled. Only 100% recycled mercury is used in the production of Lumco lamps. We also use as much recycled glass as possible. By using recycled materials, we are contributing to using fewer natural resources. Recycling also gives us significant energy savings and helps restrict air pollution. And by recycling, we are also making a major contribution to limiting the waste mountain.