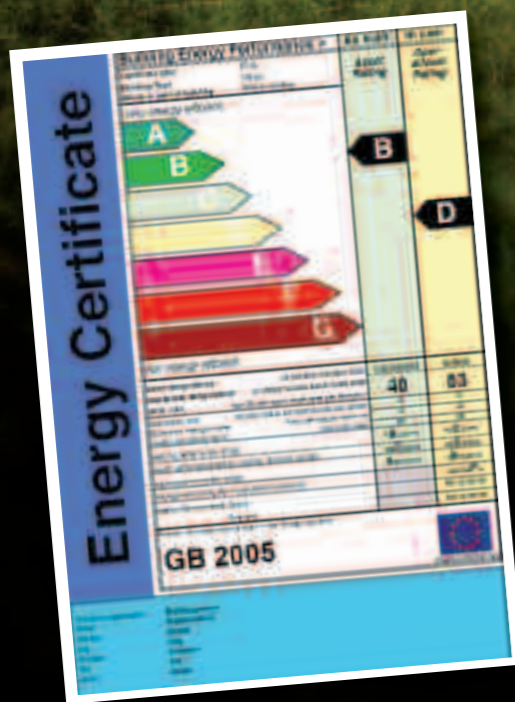




Sustainability



Energy

The greatest impact artificial lighting makes on the environment is in its use of electricity. Designing low energy fittings is a starting point in minimising this impact and Clearvision has developed fittings that are very efficient (see Kallista for example). However, promoting good lighting scheme design is almost as important as producing efficient fittings. Over-lighting in particular is one of the major sources of energy waste.

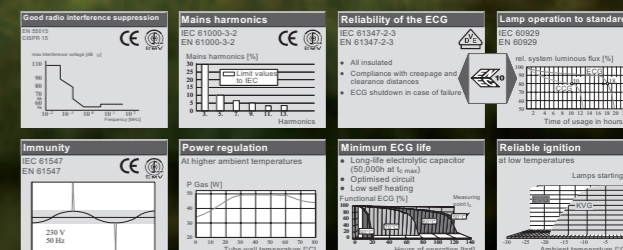
Lamp waste

Significant effort by some lamp producers has increased the availability of more environmentally friendly lamps – for example mercury content has dropped dramatically in some lamps. Clearvision is committed to low mercury lamps and to longer life variants where available. Many of our fittings have been re-engineered to minimise the volume of waste produced during their operational lives.

Embedded energy

There is embedded energy in the production of every fitting. Many fitting bodies are disposed of before their time because their internal components are too costly to refurbish on site – recycling is simply an inefficient solution. Clearvision is designing its new generation of fittings to meet this challenge – so that each can be refurbished at low cost. This will minimise waste and the embedded energy from producing new bodies.

optics, geartrays and reflectors so that the body is all that remains in the ceiling. Each of these components is then examined in order to extend its individual life expectancy. This is the way to produce upgradable light fittings that will stay efficient and minimise waste over their 30-year lives.



Electronics

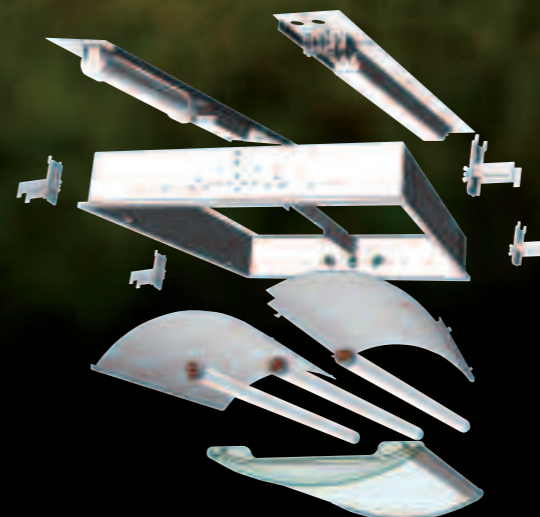
Clearvision is working with its suppliers to extend the life of electronic components beyond the standard 50,000 hours (80,000 for control gear and 70,000 hours for linear fluorescent lamps is now achievable). In keeping with our approach to replacement components, we are offering plug-in electronics. This overcomes the problems of wiring format changes in electronics that require fittings to be rewired on site. Flexibility increases, whilst cost of ownership and waste reduce.

Recycling

Clearvision is a member of Lumicom (the lighting industry waste recycling and disposal scheme) and so all related waste is guaranteed an environmental treatment. However, we see Lumicom as the final phase after the above efforts at reducing waste have been applied.



LUMICOM MEMBER



Life

Apart from reducing energy, extending fitting life may be the biggest saving in environmental impact. With the corollary of reduced cost of ownership, it is an important objective. Many of new generation Clearvision products have replaceable

