



The New Light of the Future Lighting Techniques using Led

Partnership of Alder Gmbh and New-Tech Imports Ltd



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

LED's will change the light of the world



- The light extraction efficiency from LED's has improved significantly over time. The lighting values of LED lights have surpassed that of standard and halogen light bulbs.
- We expect LED lighting to provide the most efficient and most environmentally friendly lighting source within the next 3 to 5 years
- Lighting designers/ developers / Users, have an opportunity to source products that provide better utilisation of light at reduced costs. Because of the reduced energy consumption and the increased life expectancy of LED lighting (up to 100000 operating hours at 25 degrees C) it will provide a cost effective alternative for future lighting.
- With conventional lamps, the actual light output is generated rather as by product of the heating of metallic spirals , where as LED's generate light through semi conduction and through this process we transfer most of the energy engaged into light and not heat. This is the main reason for the significant energy savings achieved



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

- Leading edge in white light technology using LED
Warm light , cold light , daylight, any colour achievable
- Energy Savings
Up to 70% less Energy required at 100watt lighting
- Extended Operating Capacity
50000 – 100000 Running hours
- No maintenance costs
- Efficient Light extraction
Specifically designed lighting angles to maximise light utilisation: 30, 60, 90, 120 degrees



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

- Small light source

Very small space required for installations, no reflectors needed, compact appearance

- Next to no heat development

Very low heat generation, ideal for temperature controlled environments, reading lamps, any applications where heat development is not desirable

- Shock resistant

High mechanical resistance

- No flickering light

Operates on DC 12-28 volts, light starts instantly

- No electromagnetic interference



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

New Lighting Ideas for you



- The main purpose of our mission is not only to replace your existing lighting sources but to offer you custom made new lighting solutions that will meet your demands and reduce your power bill considerably
- Alder Optomechanical Corporation is a leader in the industry and we are privileged to have them as partners for technical and product support.
- Apart from offering a good range of standard fittings we offer the service to develop specific lighting solutions to meet your requirements.



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

LED versus Energy savings Bulb



- When discussing energy conservation and environmentally friendly lighting systems, we currently tend to look at the Energy Saving Bulbs. We believe it is now time to seriously consider light produced from LED's as the ultimate energy saver and the most environmentally friendly solution.
- In comparison to Energy Saving Bulbs, there is no mercury present in LED's. LED lights consume less power and last considerably longer (up to 100000 hours)
- LED's are very small and therefore we can create almost any shape of light fitting.



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

- LED light has now reached light readings of fluorescent tubes and is expected to surpass current levels within a year.
- At the early stages we could only get cold white light from LED's. New technology (use of phosphor based components) has enabled the industry to produce warm lights from 2500 to 15000 Kelvin.
- LED's with high CRI (Colour Rendering Index) can reach up to 90% of natural light and through this, provide real colours in indoor environments.



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz

- Contrary to standard and energy savings light bulbs, there is next to no loss of life expectancy on LED's through frequent on/off switching.
- LED light can be equipped with dimmers, multi level switching or pulse modulation
- Looking at capital outlay of LED lights and considering the extended operating capacity (up to 10 times longer), we can see that LED lights offer a favourable option to provide you with a lighting solution



New-Tech Imports Ltd / Hamilton 3210 / New Zealand
Phone: +64 7 8553294 / Mobile: +64 21 658733
Website: <http://www.new-tec.co.nz>
E-Mail: hans@new-tec.co.nz