

Short business proposal of a new LED light technology combined with a new, high efficiency passive cooling method for electronic components



Introduction

Quite seldom a single engineer will make an invention which may worldwide revolutionize parts of the current technology. But the here presented project is one of it.

Developed in Switzerland, in Swiss quality, a revolutionary new LED lamp with currently unreached features as brightness, size, comparable to a standard light bulb, wide and shadow free light angle, low power consumption and long life time.

Even a standard 100 W bulb can be replaced by this LED light, the same form and size, without extremely cooling units.

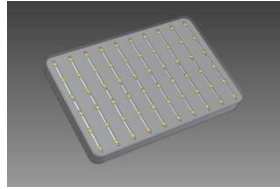


Additional all standard light tubes can be directly replaced by light tubes in this new technology, with unreached brightness, true white or warm light color, lowest energy consumption and extremely long life time.



First base of this technology is a new, high brightness LED chip, developed and manufactured by his own company. This LED chips and a special design enables shadow free homogeneously true color light with an angle of 340°. Similar to a conventional light bulb, but extremely less power consumption. This new LED can withstand temperatures up to +150°C !

Second base of this technology is to run the LED without huge aluminum cooling units by a self developed **new thermally conductive plastic material** with revolutionary cooling properties. This material enables the lamp design in smallest dimensions, light weight and low cost. Lamps weight will be reduced by 80% compared to aluminum applications.



This new thermally conductive plastic material can be used for any electronic unit which requires cooling, large, expensive and heavy aluminum cooling fins become superfluous. New and smaller designs as well as higher efficiency becomes possible by lower temperatures than before. This material passed the « Arizona test », is suitable for applications in deserts.

Normal LED street lamps, for sample in UAE, will be heated up by the sun to more than 80°C, the LED's will fail. Street lights with this new technology protect the LED's from overheating by the sun, it's a heat insulation against the direct sun irradiation. The LED's are always at a low temperature.

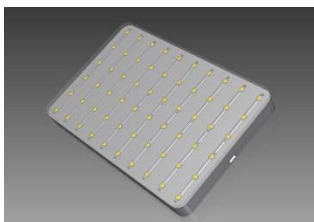
Light weight and shatterproof , easy installation and no maintenance are some other features.

Many other high profitable applications in different technologies are possible with this new material.

Third base of this technology is a new light – guiding transparent plastic material with only 10% light losses. Standard lamp covers have losses of 20 – 30 %, even if clear material is used.



Fourth base of this technology is the fact that the new plastic material can be manufactured in cold moulding. Electronic parts can be directly embedded in the thermally conductive plastic material for most effective cooling. Any form or any design can be properly done with low cost.



The 3LED light bulb



The 3LED light bulb is the currently most efficient lamp worldwide and the first wholesome replacement for standard 75 W bulbs. With 1200 lumen at 11W – 12W power consumption it's without any competition in the world. Without cooling fins, in bulb form as well as in traditional bulb design and size.

340° light angle, shadow free, warm and true neutral white light



The current available 3LED lamps are replacing the conventional lamps as well as all types of incandescent lamps.

They are equivalent to 40W, 75W, 100W and 130W standard glow bulbs.

5 Watts, 400 – 500 lm. Replace 40 W standard lamp.

9 Watts, 800 – 850 lm, replace 60 W standard lamp.

11 Watts, 1100 – 1200 lm, replace 75 W standard lamp.

14 – 17 Watts, 1400 – 1600 lm, replace 100 – 130 W standard lamps.

3LED LED tubes



The 3LED LED tubes have a light range of 140 lumens per Watt and can replace directly all conventional fluorescent lamps. Energy savings up to 65% and a better light quality provide a payback period within 1 to 2 years by a lifetime of more than 50.000 hours.

Available in all standard lengths as 60, 90, 120 and 150 cm as well as any lengths on customer request.

3LED LED street lights



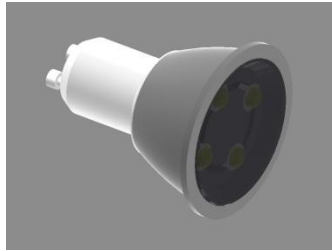
The 3LED technology in combination with the new thermally conductive plastic material allows a totally new, small and light weight street lamp design with high brightness and extremely low power consumption. Water proof, for high temperature ambient, it even withstands the special requirements of deserts.

The high efficiency LED's as well as the electronics are integrated in a 3 cm light weight plastic plate which can be designed in any form and size for special customers request.

Any available street lamp can be replaced easily only by changing the lamp.

Enormously cost reductions, service reductions, cheaper street lamps and better light is the result.

3LED LED spotlights



3LED allows a completely new generation of spotlights in all power ranges. Small size, light weight, high efficiency, any required power and brightness, withstands sea water, high ambient temperatures, high humidity and even the deserts. Special, up to now unreached designs for armed forces, navy, airports, marine and more are possible.

Business development

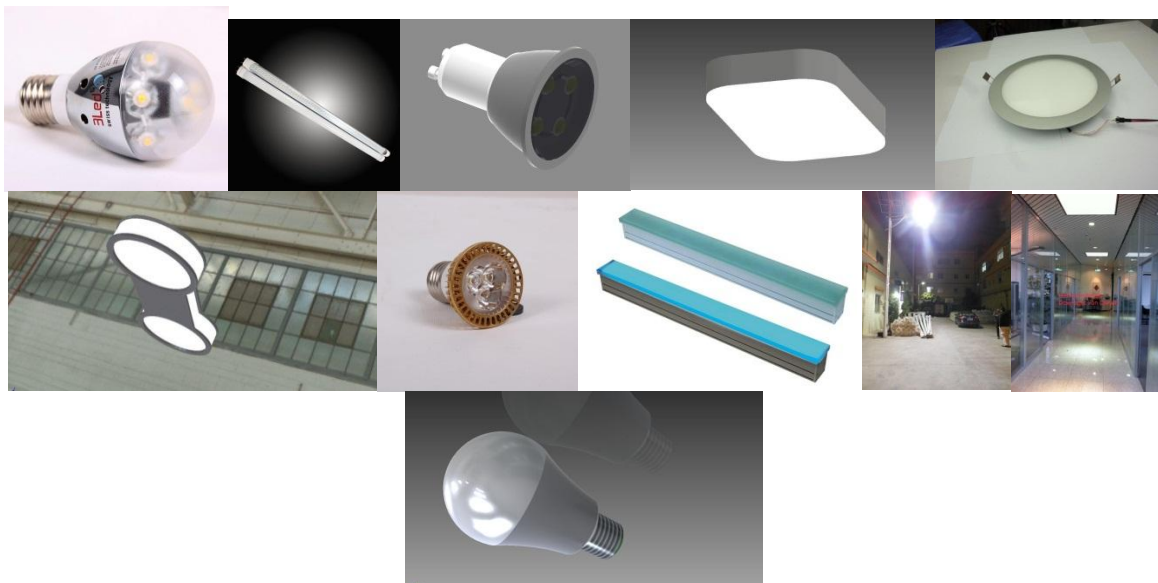
The development of light bulbs, spot lights and light tubes is completed. Market introduction began successful at several private and industrial customers in Switzerland.

The company „3LED Swiss Technology AG“ was founded in Switzerland.

The head office is in Switzerland, the own small factory and laboratory is currently located in China.



This brand new, ready products in new technology, better and cheaper than any competition worldwide, with many new application possibilities, is ready for the enhanced manufacturing and worldwide market introduction.



Some applications

Industry, hotels (new and interesting designs are possible), private households, municipalities, armed forces, navy, airports, hospitals, solar systems.

Investors chances

A) Invest in the new company (not less than 300.000 CHF)

Or

- B) Get the worldwide exclusive rights for manufacturing the LED's, the lamps as well as the new thermally conductive plastic material in his own country. A worldwide unique position in a huge and quick increasing market with products and new technologies unreached by any competitor, even unreached by the current world leaders in light technogy.
- C) By low manufacturing cost but high quality and low sales cost investors yield will reach 7-15%.

This exclusive license opens immediately a market of billions of USD, the required down payment and inventor's shares are point of confidential discussion and should consider the short term and high profitable market success.

Serious proposals are welcome !

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