

# Press Release

## **Innovation in Lighting**

### ***MID LED-diodes by 2E***

Open the sliding roof of a car or take over control of the ESP program and you will find 2E mechatronic GmbH & Co. KG, Kirchheim /Teck components.

As well as manufacturing connectors, cable assemblies, housing technology and sensors 2E has also been involved in MID technology (Molded Interconnect Devices) since 1998.

2E is heavily involved in research and development in the area of LED technology. Out of this involvement new ideas for innovative products are born which are then subsequently manufactured by us here at 2E mechatronic.

The newest product from 2E is the so-called MID-LED diode. These high-performance diodes are manufactured using proven and tested MID LDS processes (Laser Direct Structuring) and can be used in many different areas.

It is worth mentioning that with this product, the LDS process has, for the first time ever, successfully been used in medical technology.

It took only six months from the development phase to the start of production to develop a compact LDS-MID based LED diode which offers considerably more advantages for the user, for example in the area of dental technology among others, in comparison to previous solutions (High Intensity Lamps).

These diodes have 6 times more lifetime and at the same time a considerable increase in brilliancy and consume less energy.

LEDs will be used a lot more in the future in lighting engineering and have a high degree of versatility. It will afford a lot more possibilities for exterior lighting for example when designing lighting for a city. Buildings, squares and streets can all be individually lit and can be accentuated with special coloured lighting. Every city, town and locality can create their own atmosphere.

Vehicle lighting and the complete electrical industry (i.e. circuit breakers, displays and control instruments) are further possible areas of application. 2E can offer a customized solution for nearly every possible application by perfectly combining MID- and LED-technology.



MID LED-diodes