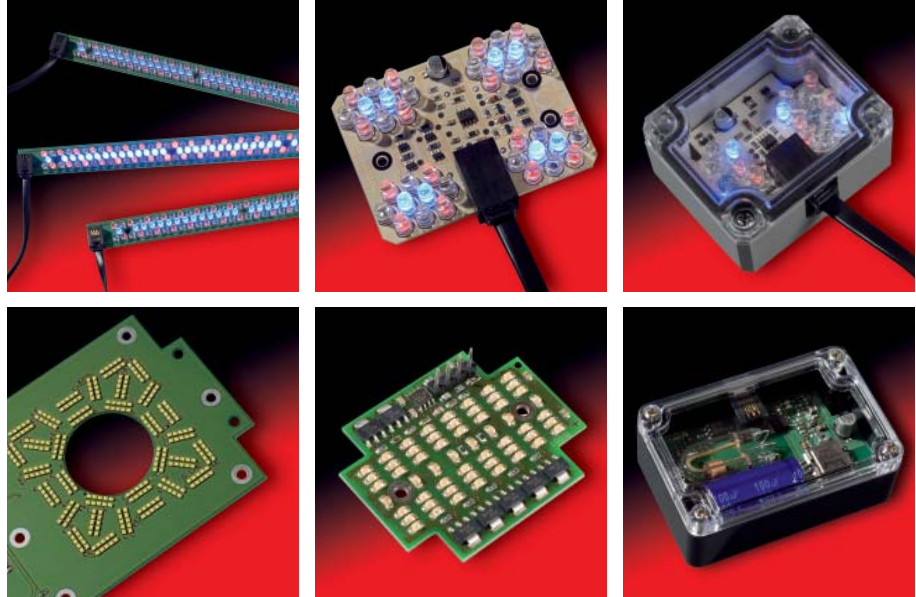




**INSENSIV**  
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## Lighting units



insensiv develops appropriate lighting units for best possible illumination of the object that is to be analyzed, predominantly using different types of light-emitting diodes (LEDs). In special cases strobe lighting may be used.

Depending on the application LEDs ranging across the entire optical wavelength spectrum from UV to IR are used. Flawless illumination of the object is realized by selecting appropriate LEDs and an optimal arrangement on the circuit board. Influences by ambient light can be minimized using appropriate filters.

If required, insensiv also equips the lighting units with an external interface and a microcontroller for optimal control of the lighting's intensity, timing, and duration. The lighting boards are installed in a plastic or metal case on request. These can be manufactured to the customer's specifications either as a connector or fitting enclosure (up to protection class IP67).

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