

## LED modules for hospital room signal lights

These LED modules in various colours (also available in bicoloured versions) were developed to replace the conventional 24VDC/60mA light bulbs with wedge bases in an existing hospital call system.

The LED modules were constructed so that they can simply be inserted into the wedge base fitting without any changes to the existing light fixture and put into operation. The advantages of the LED modules are more intensive and homogeneous colours, a much longer useful life. This results in greatly reduced servicing costs as well as reduced electricity consumption of only 15 to 18mA at 24VDC. In addition, the modules can also be operated with 24VAC.

## Festoon lamp replacement module with LED

The LED replacement module for festoon lamps was also developed for a hospital call system. However, it also offers versatile application options wherever festoon lamps are used. The LED module's construction was developed so that it will fit in a conventional festoon lamp fitting by simply inserting it and turning it on. The advantages are the clear, pure colours throughout the LED's long life as well as a significantly lower energy consumption of less than 0.5 watts compared to 3 to 5 watts in normal festoon lamps.

The LED modules are designed for use with 24 VAC/DC and an energy consumption of 20 mA.

*LED modules are outstandingly suitable as replacements for conventional light bulbs in continuous use applications. The significantly longer useful life of LEDs reduces service costs significantly. The colours and light strength are consistent throughout the entire useful life and energy consumption is greatly reduced.*

