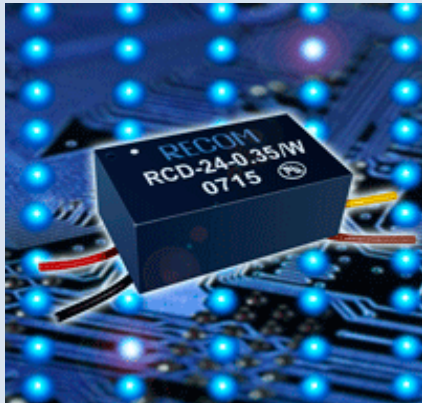


## LED - Current is the Driving Force



**SPRENDLINGEN, GERMANY — October 30, 2008 — Constant current is required to drive LEDs reliably. Lighting manufacturers are very often experts in light sources but have little experience with electronic components. To bridge this gap, RECOM offers a complete solution with the RCD-24-x.xx Series.**

This family offers current outputs of 300, 350, 500, 600 and 700mA which can also be adjusted using the analog dim-function. Simultaneously, the PWM –dim-function that operates at a frequency range of 20 to 200Hz and the proving linear dimming can also be adjusted from 0 to 100%. The buck converters feature an input range of 4.5 - 36 Volts. There is also a standby function for battery operated applications.

The rated accuracy of the output current is  $\pm 2\%$  and variations due to the input voltage range are  $\pm 1\%$ . The housing measures just 22.1 x 12.6 x 8.5mm and is made of UL94-V0 material. The drivers are available with either 6 pins or with four 100mm long leads. Depending on volume requirements, it is also possible to provide customer specific versions. Operating temperature range is from -40 to 71°C (700mA) or 85°C (350mA) without derating.

The MTBF of the 700mA version (worst case) is of 516,000 hours at an environmental temperature of 71°C. EMC-compatibility with EN 55022 Class B is provided by the addition of two components. By using another 4 ceramic capacitors, the drivers are compatible with EN 61000 -4-2, -3, -4 und -6.

The RCD-24-x.xx Series LED-drivers are ready for use and provide a complete solution where the user does not need to deal with the compatibility problems of specific standards. Time-to-market is reduced to a bare minimum when compared with traditional IC solutions.