



News Release

ZYWYN CORPORATION

FOR IMMEDIATE RELEASE

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ZYWYN ANNOUNCES

Universal Transformerless AC-DC Constant Current LED Driver

SUNNYVALE, Calif., December 8, 2006 - Zywyn Corporation today introduced ZD831, the universal transformerless AC-DC constant current LED driver for the industrial lighting and display lighting market.



The ZD831 is a high voltage, AC-DC constant current driver for driving a string of white or RGB LEDs in series without the use of external transformer and no bridge rectifier. It operates from a direct input voltage of 85VAC to 120VAC off the AC mains and generates a programmable constant output current of up to 30mA by a single resistor.

“This high operating voltage of ZD831, along with its linear control architecture, eliminates the need for an external inductor, transformer and rectifying diode bridge,” said Raymond Chow, Zywyn CEO. “The proprietary high-voltage process has been proven uniquely successful, capable of handling direct AC mains to DC conversion. We have opened up new design and processing methodology in dealing with off-line AC-DC applications in the display and lighting applications. More of such breakthrough products will be evolved in the near future.”

The ZD831 also features PWM and analog dimming control with over-temperature protection and over-voltage limiting functions. With high voltage isolation supported by the robust proprietary processing technology, there is no EMI generation and it does not require any additional EMI filtering circuits.

Samples & Availability

The ZD831 is available in a thermally enhanced 20-pin exposed TSSOP “Green” package. Pricing for the ZD831LEY is US\$1.75 each in 1K quantities. Samples and evaluation boards (ZD831EVB) are available from stock and can be requested through Zywyn sales representatives. Lead-time for production quantities is about 8 to 10 weeks ARO.



About Zywyn

Zywyn Corporation is a privately held high voltage analog semiconductor supplier, focusing on power conversion and control for the display and lighting industry, as well as in the datacom interface communication market. Zywyn products and corporate information are available at www.zywyn.com.