



*For immediate release*

## **Diodes Incorporated Announces LED Lighting Drivers that Simplify Low-Power Single-Cell Applications**

**Dallas, Texas – May 11, 2010** – Diodes Incorporated (Nasdaq: DIOD), a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete and analog semiconductor markets, today announced the release of its ZXLD381 and ZXLD383 LED drivers that have been designed to provide the simplest possible solution for driving low power high brightness LEDs from a single solar or rechargeable battery cell. PFM DC-DC converters with an on-board low saturation voltage switching transistor, the devices only need an inductor for high efficiency LED illumination.

Operating from an input voltage as low as 0.9V and delivering up to 80mA, they generate a constant current for driving single or multiple LEDs, determined by the external inductor value. Offering efficiencies as high as 93%, these drivers help extend battery life in a wide range of illumination applications.

The ZXLD383 combines the features of the ZXLD381 with a dual function enable input which provides an inhibit control and an ultra-low voltage drop isolation diode for battery charging purposes in garden lights. This eliminates the need for an external photocell array isolation diode, making the driver ideal for solar powered garden and walkway lamps. Further information is available on the Company's website at [www.diodes.com](http://www.diodes.com).

### **About Diodes Incorporated**

Diodes Incorporated (Nasdaq: DIOD), a Standard and Poor's SmallCap 600 and Russell 3000 Index company, is a leading global manufacturer and supplier of high-quality application specific standard products within the broad discrete and analog semiconductor markets. Diodes serves the consumer electronics, computing, communications, industrial, and automotive markets. Diodes' products include diodes, rectifiers, transistors, MOSFETs, protection devices, functional specific arrays, amplifiers and comparators, Hall-effect sensors and temperature sensors, power management devices including LED drivers, DC-DC switching regulators, linear voltage regulators and voltage references along with special function devices including USB power switches, load switches, voltage supervisors, and motor controllers. The Company's corporate headquarters and logistics office are located in Dallas, Texas. A sales, marketing, and engineering office is located in Westlake Village, California. Design centers are located in Dallas; San Jose, California; Taipei, Taiwan; Manchester, England; and Neuhaus, Germany. The Company's wafer fabrication facilities are located in Kansas City, Missouri and Manchester, with two manufacturing facilities located in Shanghai, China, another in Neuhaus, and a joint venture facility located in Chengdu, China. Additional engineering, sales, warehouse, and logistics offices are located in Taipei; Hong Kong; Manchester; and Munich,

Germany; with support offices located throughout the world. For further information, including SEC filings, visit the Company's website at <http://www.diodes.com>.

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