enLux News Release

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enLux Introduces 1K LED Light Modules at Lightfair 2005

MESA, Ariz. USA, April 11, 2005 – enLux™ Lighting will be introducing its new line of 1K LED Light Modules at the 2005 Lightfair International Tradeshow. Each 1K LED Light Module incorporates three LED light engines delivering over 1000 lumens of light. The 1K LED Light Modules are ready to be integrated into a general or decorative lighting fixture, and are ideal for the fixture manufacturer who wishes to incorporate the benefits of LED, but does not have the resources to design and produce an LED solution. They are available in three tones of white – warm 2800K, neutral 3300K and cool white 4100K, or custom colors may be produced as well.

LEDs – Light Emitting Diodes – are widely believed to be the next generation of illumination by industry experts. LEDs are commonly found as indication lights in a wide assortment of electronic products, and with their increasing brightness, have emerged in traffic signals and most recently in automobile taillights and fog lights. “Fixture manufacturers have been considering the use of LED lighting, but its often too costly to design in. With the introduction of the enLux 1K Light Modules, the fixture manufacturer has a ready made solution, which they can easily integrate into their product line,“ stated Dan Nelson, director of marketing for enLux™.

Initially, two form factors are being released, known as the Disc and the Bar. The Disc is particularly well suited as a hanging table light or area light. The Bar is planned for use in either under cabinet or cove lighting.

The 1K LED Light Modules utilize enLux's patent-pending "light engine" that enables it to generate light that is more vibrant than incandescent, halogen, and many typical LED products. (Editors: See sidebar)

The new 1K LED Light Modules are the newest additions to enLux's family of award winning LED Floodlights. When introduced, the enLux LED Floodlight was recognized twice at Lightfair International 2004, the world's largest annual architectural and commercial lighting trade show and conference. The floodlight won the New Product Showcase "Energy Award" and the "Best of Category Award for LED Lamps." In December of 2004, Popular Science magazine awarded the enLux LED Floodlight as the Grand Prize Winner in the Home Technology category of their annual Best of What's New 2004 competition.

Each 1K LED Light Module emits over 1000 lumens of light while consuming just 50W Watts of power. Furthermore, the 1K LED Light Modules have an expected life of 50,000 hours, compared to just 1,000-2,000 hours for incandescent lights. If lit for eight hours per day, a single 1K LED Light Module would operate for approximately 17 years.

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About enLux Lighting
Headquartered in Mesa, Arizona, USA, enLux Lighting is a designer and manufacturer of innovative LED-based lighting solutions. The company has assembled a specialized team of engineers from the advanced disciplines of optics, solid-state energy conversion, thermal management, and microelectronics packaging to create the enLux Floodlight – the first LED-based drop-in replacement for incandescent or halogen floodlights. For more information, please visit www.enluxled.com.

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Note to Editors:
Color photography of the enLux Floodlight in different settings is available. Please contact Bonnie Quick of enLux Lighting.

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Sidebar follows…

Sidebar

LED's – Now the Next Generation in Lighting

LEDs - Light Emitting Diodes - are specially designed electronic components that release light when an electric current passes through it. LEDs are significantly more efficient than incandescent filaments, which mean they can provide more light using the same amount of power. Invented in the 1960s and first used as small indicator lights, LEDs were used predominantly to show when a device had power, was active, or functioning. As advances in design and technology progressed, the brightness increased in LEDs, and they began to be incorporated into other applications. LEDs offer substantially longer life, which means less maintenance and safer operation. Today, they are used in traffic signals, large video screens, and automobile taillights. LEDs currently offer up to two to three times the efficiency of white incandescent bulbs, and in time, are expected to exceed the efficiency of fluorescents.

The color of the LED lamps can be tailored, allowing the color to be matched to the warm white color of incandescents, or to virtually any color within the rainbow spectrum. Colored LED lamps, such as blue and red, are significantly more efficient than incandescent or fluorescent lamps. This is because incandescents and fluorescents use color filters (such as a red glass) to filter out all other colors from the white light generated by the lamp. The blocked light is wasted, and converted to heat. LEDs on the other hand, create light in red or blue or green. This light does not need to be filtered, providing better color purity and better efficiency.

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