

FOR IMMEDIATE RELEASE

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LEDiL INTRODUCES THE TINY LISA2-R REFLECTOR FOR LIGHTING-CLASS LEDs

Low-profile and sub-10mm diameter for a broad range of applications

SALO, FINLAND, MARCH 13, 2012 – LEDiL announces the release of the new C12469_LISA2-R-PIN reflector, measuring just 9.9mm diameter and 6.5mm tall. This tiny reflector differs from other reflectors presently available by providing an even, homogeneous and aesthetically pleasing beam with a diffuse cut-off. The new LISA2-R supports a wide variety of single-die LEDs offered by the leading LED vendors, including Cree, Philips Lumileds, Osram, Nichia, Seoul and Sharp. LISA2-R produces a beam angle of 78° to 86° FWHM (depending on LED used) without the shadow and hot spots created by LEDs used without secondary optics. Almost 90% light intensity is available at 66° full beam width. The small size permits dense population of LEDs for maximum light output in a space-constrained area.

The nearly square-wave beam angle produced by LISA2-R is ideal for general lighting of smaller spaces with minimum glare or hot-spots, or for casting a gentle-glow of energy efficient LED light in small display cabinets or for interior mood or effect lighting. The small size and inherent cool-to-the-touch benefit of LED technology facilitates the design of low-profile fixtures used in residential under-cabinet applications, in cove lighting, or to light storage compartments in emergency vehicles.

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The impact-resistant polycarbonate used to manufacture the reflector is of a special, highly-reflective grade that does not require metallization to achieve peak performance of up to 92% efficiency. The housing contains integrally molded location pins for precise location over the LED and the location pins can also be fastened to the PCB with an approved secondary adhesive. The material is RoHS compliant, rated for use up to 115° C and meets UL 94 V-2 flammability rating.

Lighting designers are rapidly developing LED-based solutions that take advantage of the up-to 80% reduction in power afforded by solid-state technology and the long-life span of LEDs. LEDiL's LISA2-R reflectors are another step forward in the evolution of solid-state lighting technology and are available for delivery from multiple authorized partners in LEDiL's worldwide distribution network and samples are provided to qualified accounts that intend to utilize the product in an OEM application. LEDiL will continue to qualify other LEDs for use with LISA2-R and latest LED qualifications or distributor inventory can be viewed on-line at www.ledil.com.

ABOUT LEDiL Oy

The only true specialist in the field of secondary optics for high-power and lighting-class LEDs, LEDiL has been producing precision-engineered optics and reflectors since 2002 and now boasts nearly 1000 standard products optimized for use with LEDs produced by the world's prominent LED manufacturers. Custom solutions are also commonly developed with minimal end-user tooling investment required. With production in Finland and China and a global network of authorized distributors, LEDiL's products are market-competitive and readily available. For more information, including a high-resolution photograph, contact: Robert Derringer at bob.derringer@ledil.com.

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