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Lumileds Introduces Luxeon III, an 80-Lumen Long-Life LED

*Addition to Luxeon Product Line Is Shipping Now,
Complementing 25-Lumen and 120-Lumen Luxeon LEDs*

SAN JOSE, CA (October 13, 2003) --- Lumileds Lighting today announced the immediate availability of Luxeon III, a new high-power 100,000-hour LED that generates typical light output of 65 and 80 lumens from a single emitter at 700 and record setting 1000 mA operation, respectively. The new addition to Lumileds' Luxeon family allows designers to achieve desired light output with fewer LEDs than the company's original 25-lumen product, simplify engineering and manufacturing, and minimize luminaire size to create new designs more affordably than ever before.

Luxeon III delivers more than twice the luminous flux of Lumileds' 25-lumen white Luxeon in the same footprint while lowering the cost per lumen by 30 to 50 percent. In comparison, high-flux LEDs from other suppliers produce only 2 to 5 lumens per package in white and comparable performance in color.

The new Luxeon LED also offers the same industry-leading lumen maintenance as all Luxeon models, retaining 70 percent of its brightness after 50,000 hours of operation at 700 mA and 50 percent at 20,000 hours at 1000 mA.

In addition to white, the Luxeon III is available in blue, royal blue, green and cyan. It offers significant size, longevity and energy-saving benefits for products of all kinds, including task, orientation and architectural lighting, reading lights, flashlights, garden lighting, traffic signaling, edge-lit signs, and LCD backlights.

"Luxeon III is the result of direct feedback from both lighting designers and manufacturers who asked for a new LED with light output between the Luxeon and Luxeon V products to provide new design options," said Jason Posselt, Director of Product Marketing for Lumileds Lighting. "The optical and thermal characteristics of

Luxeon III and the new 700 and 1000mA drive current limits, without sacrificing lumen maintenance, uniquely qualify Luxeon III for a wide range of applications.”

All Luxeon light sources provide significant energy savings over incandescent and most halogen lamps, an extremely small form factor, instant illumination, full dimming capability, precise beam control, mercury-free and UV-free operation, a cool light beam that is safe to touch, and higher flux per emitter than LEDs from any other supplier.

Specifications and Availability

The Luxeon III Emitter and Luxeon III Star (mounted on FR4/aluminum PC Board) are immediately available in the Lambertian radiation pattern in white, royal blue, blue, green and cyan. All Lumileds Luxeon products are available from Future Electronics, www.futureelectronics.com or 1-800-FUTURE1.

About Lumileds Lighting

Lumileds Lighting is the world’s leading manufacturer of high-power LEDs and a pioneer in the use of solid-state lighting solutions for everyday purposes including general lighting, automotive lighting, traffic signaling, signage and LCD backlighting. The company’s patented Luxeon Power Light Sources are the first to combine the brightness of conventional lighting with the small footprint, long life and other advantages of LEDs. Lumileds also supplies core LED material and LED packaging, and manufactures billions of LEDs annually. A joint venture between Agilent Technologies and Philips Lighting, Lumileds is headquartered in San Jose, California, with operations in the Netherlands, Japan and Malaysia and sales offices throughout the world. For more information, call Lumileds at 408-435-6111 or visit www.lumileds.com.

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