



Luminus Media Contact:
Lynette Rowe, Marketing
Communications Manager
978-528-8057
marcomm@luminus.com

FOR IMMEDIATE RELEASE

Luminus' Latest RGB Chipsets Enable Up To 40% Year-On-Year Projector Performance Improvement

World's brightest Big Chip LED™ continues to expand the market for lamp-free projectors into mainstream business and education markets

InfoComm 2012, Las Vegas, NV, June 13, 2012—[Luminus Devices, Inc.](http://www.luminus.com), the leader in Big Chip LEDs™, has announced it has tripled the brightness of its semiconductor green LEDs over the last five years, and expects to at least double it again.

Green light is the major primary color that contributes to white light generation in systems with Red-Green-Blue illumination, and the performance of Green LEDs is considered by the industry as the major limiting factor in replacing high pressure mercury lamps in projection displays. Combined with its thermally-enhanced packaging technology, Luminus' latest achievements in Pure Green LED output allow its projection-optimized RGB chipsets to achieve new performance levels in projection system categories covering portable, home video, video walls and mainstream business and education.

As an example, the company's latest 5.4 mm² green LED can output up to 3000 lumens at a current density of 3.0 A/mm². This chipset allows system manufacturers to design portable LED projectors with performance in excess of 700 lumens, a 40% improvement over products introduced only 1 year ago.

“The rapid pace of improvement of our Pure Green LEDs is a testimony to the large untapped potential of this technology,” said Arvind Baliga, VP of Engineering. “Alternative approaches such as phosphor conversion technologies rely on mature platforms with limited upside potential and also come with a broad spectrum that results in increased optical losses of up to 20%. Our customers recognize that Luminus Projection Chipsets enable the brightest projectors today and more importantly, place them on a faster trajectory to transition their portfolio to a lamp-free model. Increased investment in R&D and rapid prototyping will dramatically accelerate our progress in reaching brightness targets needed to move into the business and education segments.”

“Luminus’ world’s brightest green LED just got better, and the best testimony to this achievement is over 1 million consumer and professional of lamp-free projection displays that have been deployed using our technology – a market that did not even exist only 4 years ago,” said Stephane Bellosguardo, Director of Global Product Marketing at Luminus Devices. “After virtually eliminating lamps in markets such as video walls, our technology is now gaining similar momentum in consumer video, education and business projection markets. With RoHS exemptions for most high pressure mercury lamps set to expire in 2015, these latest advancements in Pure Green LED technology provide our customers with a path towards an environmentally friendly light source that combines cost-effectiveness and performance.”

See this latest advance in LED technology at InfoComm 2012 in Las Vegas, where Luminus Devices will feature a shootout between a 2200 ANSI lm class lamp and this latest LED technology in booth #C7942 at the Las Vegas Convention Center.

About Luminus Devices

Luminus Devices is a leading developer and manufacturer of LED technologies and solutions for the multi-billion dollar global illumination market. Luminus’ high efficacy and high brightness LEDs are used by many of the world’s biggest companies for general lighting, projection display, entertainment, ultraviolet curing, medical, portable, transportation and digital signage lighting applications. Luminus has more than 144 patents/patents pending worldwide, and its revolutionary Big Chip LED™ technology enables new markets for solid-state lighting. Headquarters and wafer fab manufacturing facilities are located near Boston, Massachusetts, U.S.A. For more information, visit www.luminus.com