



**Luminus Media Contact:**  
Lynette Rowe, Marketing  
Communications Manager  
978-528-8057  
[marcomm@luminus.com](mailto:marcomm@luminus.com)

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## **Thermal Technology Breakthroughs Enable Up To 20% Higher Brightness for Luminus Big Chip LEDs™**

*Industry's lowest thermal resistance breakthrough technology also improves  
LEDs reliability*

**InfoComm 2012, Las Vegas, NV, June 14, 2012**—[Luminus Devices, Inc.](#), the leader in Big Chip LED™ Technology, announced today their latest thermal innovation in packaging technology. This breakthrough technology utilizing proprietary processes, new specialty materials and equipment allows for a 30% reduction in thermal resistance for Luminus Big Chip LED products, which in turn, enables the LED to reach up to 20% higher brightness levels while maintaining current world class reliability during operation.

“This breakthrough allows for a simpler thermal design at the system level, and therefore chips to be driven at higher power in applications where maximum brightness is required, such as projection displays and entertainment,” said Arvind Baliga, Vice President of Engineering at Luminus Devices. “The innovation will enable smaller and more cost-effective projector system designs, from small form factor to high brightness data projectors in projection display market segments, as well as high brightness wash lights and spot lights for entertainment.”

“The new LED thermal technology is the result of continued focus on R&D, and it enables our customers to increase the brightness of our LEDs without lifetime or reliability concerns due to overheating,” said Paul Panaccione, Director of Packaging Technology at Luminus Devices. “This exciting and innovative technology is the result of a number of improvements in chip and package design, the assembly process and materials that come together to deliver this industry leading performance.”

Luminus is currently sampling products based on this new technology to several customers; production quantities will be available in the coming quarter.

**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](http://www.luminus.com)