

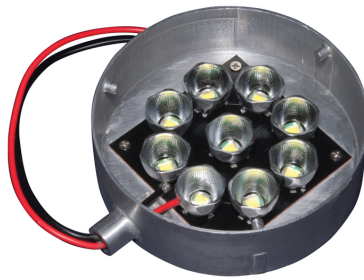


**Luminus Media Contact:**  
Lynette Rowe, Marketing  
Communications Manager  
978-528-8057  
[marcomm@luminus.com](mailto:marcomm@luminus.com)

FOR IMMEDIATE RELEASE

## **Luminus and T-Opto Install Newly Released LED Module in US Toyota Manufacturing Facilities**

*Field Replaceable NovoLux™ Module Delivers Performance of 250W HID*



**Frankfurt, Germany, Light + Building, (April 17, 2012) –** [Luminus Devices, Inc.](http://www.luminus.com), the leader in Big Chip LEDs™, announced today that it has partnered with T-Opto, a division of Toyota Tsusho of America, to produce NovoLux™, an LED module that replaces traditional 250W HID lamps. NovoLux has been deployed at the Toyota Motor manufacturing facility in Kentucky, USA and is being evaluated at additional Toyota Motor manufacturing plants worldwide.

NovoLux delivers up to 15,000 lumens, the brightest LED module on the market today. In addition to NovoLux, T-Opto has developed a range of complete high bay and outdoor area lighting fixtures. The fixtures have been designed to take advantage of the fact that the NovoLux is field replaceable, which enables simple maintenance.

“NovoLux represents an LED modular solution at a lumen level not available in the market today,” said Chuck DeMilo, Global Director of Product Marketing for Luminus. “An LED module with the power and efficacy to displace a 250W HID fixture is a significant milestone.”

Michael Handerhan, General Manager at T-Opto, stated, “Since the lumen output requirements for NovoLux were so high, we needed to implement Luminus’ Big Chip technology. Having fewer LEDs reduced the complexity of the module and made our

lives easier – while maintaining the highest performance. It also meant that we needed fewer optics, which was a significant cost savings for us.”

Luminus will be exhibiting in Hall 4.2, Stand G02 at Light + Building, April 15-20 at Messe Frankfurt in Frankfurt, Germany, where the NovoLux module will be on display. For more information on how Luminus is enabling the conversion of today’s conventional lighting fixtures to LED, visit [www.luminus.com](http://www.luminus.com).

#### **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).

#### **About T-Opto, a division of Toyota Tsusho America, Inc.**

T-Opto is a leading provider of optically, thermally, and electrically validated LED based light engines and modules. Their designs help enable high performance lighting fixtures applicable to commercial, industrial, and residential lighting markets. For more information, visit the website [www.t-opto.com](http://www.t-opto.com).

#### **About Toyota Tsusho America, Inc.**

TAI is a subsidiary of Toyota Tsusho Corporation, the seventh largest trading company in the world with net sales exceeding \$6 billion and employing over 20,000. TAI has emerged in the US market as a multi-business entity with expanded capabilities, fresh ideas, and a greatly broadened experience base. TAI’s seven operating divisions (Metals, Machinery & Electronics, Chemicals, Logistics, Automotive, Food, and Consumer products) pursue a broad range of activities which combine international trading functions with domestic source and supply activities, supply chain and logistics services, and processing and manufacturing functions in both the industrial and consumer sectors. For more information, visit [www.taiafrica.com](http://www.taiafrica.com).

#### **T-Opto Media Contacts:**

Cori Dunn  
Crispy Content  
847 226-5167

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