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## **Materion Expands Phosphor Materials Manufacturing Capability**

*Meeting Growing Demands of the LED Lighting Market*

MILWAUKEE--(BUSINESS WIRE)-- Savvy consumers are being driven to replace current household light bulbs with light-emitting diodes (LED) to reduce energy consumption and costs. This shift away from traditional lighting has caused the LED market to double between 2006 and 2011 with growth projected to continue. To support this dynamic global industry, Materion Advanced Chemicals has significantly enhanced its production of critical phosphor materials critical to all types of LED lighting.

### Materion Boosts Production

The LED industry is always seeking ways to improve performance and lower costs. Materion produces consistent, high-quality inorganic compounds used in the manufacture of LED phosphors that deliver more lumens per dollar. "Customers come to us because of our chemical expertise and ability to synthesize and handle these exceptional materials in high-volume applications," says E. J. Strother, Vice President and Strategic Business Unit Leader at Materion Advanced Chemicals.

To meet the accelerating demand for LED phosphor materials, Materion has:

- Expanded production space, designed as a "Production Work Cell," for leaner manufacturing
- Added new dedicated processing equipment to increase handling capacity
- Improved process and engineering controls for greater operational efficiency

### LED Technology — The Future

The general lighting industry is engaged in new and evolving LED technologies supported actively by Materion. Specific LED lighting qualities and colors are achieved through various compounds. When existing compounds won't do, Materion develops specially formulated compositions to achieve the necessary characteristics. Quantities can also be easily scaled to suit small or large production requirements.

With today's focus on energy saving, the demand for LED lighting is expected to climb. Materion's latest expansion of its phosphor materials capabilities demonstrates the Company's commitment to the industry. Strother concluded, "Materion is dedicated to bringing more efficient and cost-effective LED lighting to the world."

Advanced Chemicals is a Materion Corporation business. Materion Corporation (NYSE:MTRN) is headquartered in Mayfield Heights, Ohio. The company, through its wholly owned subsidiaries, supplies highly engineered advanced enabling materials to global markets. Products include precious and non-precious metals, inorganic chemicals and powders, specialty coatings, specialty engineered beryllium alloys, beryllium and beryllium composites, and engineered clad and plated metal systems. Website for Advanced Chemicals: [www.materion.com/advancedchemicals](http://www.materion.com/advancedchemicals).

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