

## **Independent Phosphor Partnerships Accelerate As Edison Opto Joins Intematix In Delivering Innovative LED Solid State Lighting Solutions**

September 6, 2005 – Fremont, California USA -- Material discovery and phosphor experts, Intematix Corporation of Fremont, California, today announced that it will provide its White Lightning Y450/Y460™ brand of Phosphor to Taiwan's Edison Opto for use in a variety of applications for the white LED and solid state lighting markets.

Edison Opto of Chung-Ho, Taiwan is focused on LED innovation for applications including power LEDs, LCD backlighting, camera flashes, emerging general illumination and architectural solutions. Edison Opto will use the Intematix phosphor technologies in its core and emerging businesses.

Intematix' Chief Executive Officer, Ruediger Stroh, offered the comment, "We recognize the strengths of Edison Opto in LED design as well their strong support for system designers that utilize LEDs. Our two companies recognize the importance of the high power and backlighting applications built on phosphor, optics and packaging innovations. We believe Edison Opto is a valuable partner whose understanding of end systems and innovative designs built around the White Lightning phosphor technology will make a significant contribution to the marketplace."

The first members of the Intematix phosphor family, the White Lightning Y450™ and Y460™ were announced in March and are available for high volume use, providing a fully patent-backed, merchant supply of phosphor options to designers and manufacturers of white LED solutions.

"Edison Opto has set its targets to being the best in the markets and applications of general lighting, LCD backlight and automotive lighting. We have combined our unique coating technology with optimized phosphor from Intematix, and will continue to rely on Intematix to reliably tune their phosphor as our innovations continue." Said Edison's Chief Executive Officer Mr. Jason Wu.

This Agreement punctuates the continuing development effort at Intematix resulting in an entire family of patent-backed phosphors, developed in record time and with industry-leading performance. Intematix is now leveraging its nano and bulk discovery engines to enhance its Phosphor offerings by sampling other phosphor family members

Intematix's Discovery Engines allow the development of unique material compositions that can then be rapidly customized for unique thermal conditions, manufacturing processes and Bills of Materials, including a choice of chips at various wavelengths and support for a variety of resins.

Concluded Stroh, " Intematix is now in full production with the White Lightning Y460 where we are enabling our customers to develop LEDs that are equivalent to YAG and superior to TAG-enabled LEDs at 460nm. LEDs using our Y450 Phosphor at 450 or 455nm are now outperforming YAG enabled LEDs which is a major breakthrough for our customers. The transformation of the LED industry is gaining momentum with the commitment of our partners to a merchant supply of phosphors and chips."

### **About Intematix**

Intematix specializes in next generation nano, bulk & thin film materials. Leveraging its ultra rapid material development and proprietary tools and processes, the company discovers materials in a fraction of the time typical for conventional methods. Intematix is currently announcing production availability of key patent-backed phosphors for the solid state lighting and imaging markets, from its Fremont, California, USA facility. For more information, visit <http://www.intematix.com>.

#### About Edison Opto

Edison Opto Corp., a Taiwan based high-power LED package manufacturer which is dedicated to be the high power LED total solution provider. Edison Opto Corp is available to provide the high power LED total solution with their advanced knowledge in optics design, thermal management and circuit design will help all the clients handle high power LED in their application. Especially in solid-state lighting, automotive lighting and LCD TV backlight field.

Edison Opto is an ISO9002 and soon ISO14001 certified company.

For more information, visit <http://www.edison-opto.com.tw>

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