

Intematix Announces Important Partnership with ProLight Opto of Taiwan for Solid State Lighting LED Phosphor Technology

August 28, 2005 – Fremont, California, USA -- Material discovery and phosphor experts, Intematix Corporation of Fremont, California, demonstrated another key addition to its customer list by announcing today that it will provide its White Lightning Y450/Y460™ brand of phosphor to Taiwan's ProLight Opto Technology Corporation for use in a variety of applications in the white LED market.

This partnership brings together the differentiated technologies at ProLight Opto in combination with the performance leadership of Intematix Phosphors. ProLight Opto is focused on LED innovation for power LED applications including LCD backlighting, flashlight, and emerging architectural solutions, will use the Intematix phosphor technologies in its core and emerging businesses.

According to Intematix Chief Executive Officer, Ruediger Stroh, "Our two companies recognize the importance of the high power and backlighting applications built on phosphor, optics and packaging innovations. We believe ProLight Opto to be a valuable partner whose innovative designs built around the White Lightning phosphor technology will make a significant contribution to the solid state lighting community."

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

Commenting on the news, ProLight Chief Executive Officer Mr. Race Soong stated, "ProLight Opto is focused on leading in the solid state lighting markets and applications. We have integrated our power LED packaging design and production technologies with tuned phosphor from Intematix and can rely on Intematix to reliably optimize their phosphor to match our continuing innovations."

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 can now outperform YAG enabled LEDs. This is a major breakthrough for our customers. The transformation of the LED industry is gaining momentum with the commitment of our partners to a true merchant supply of phosphors and chips."

"The power LED market segment is very important to all serious participants in the solid state lighting market. The availability of Intematix phosphors and their acceptance by leaders such as ProLight Opto will begin a market transformation leading to truly cost-effective, high performance power LED production. The combination of our patent-backed phosphor compositions and the impressive technologies at ProLight Opto will make for a successful relationship on the road to transforming the industry."

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 ProLight Opto Technology Corporation

Based in Taoyuan County, Taiwan, ProLight Opto was founded by a group of USA and Taiwan LED professionals. With innovative power LED packaging design and manufacturing technologies and more than 12 years on average of experience in industry, the team is focused on providing high reliability, high quality, and cost-effective power LED packaged products. For more information, visit <http://www.prolightopto.com>

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