

Intematix Announces Latest Win; Adds Japan-Taiwan Joint Venture HPLighting for Solid State Lighting LED Phosphor Technology

May 23, 2006 – Fremont, California, USA – Adding to its growing stable of strategic customer wins, phosphor expert, Intematix Corporation of Fremont, California, announced today that it will provide its industry-leading line of patent-backed phosphors to High Power Lighting Corp, of Tucheng Taiwan. HPLighting, a Taiwanese/Japanese joint venture formed in 2005, will use Intematix White Lightning WL-NY450™ / WL-NY460™, and other color phosphors, to address the burgeoning large LCD backlight market along with other high-profile application areas.

Intematix VP of Engineering and Co-Founder, Dr. Yi Qun Li states, “This partnership brings together the unique LED packaging capabilities for thermal and opto designs at HPLighting, and the performance leadership of Intematix patent-backed customizable phosphor technologies, to further the advancement of solid state lighting into several high-profile application areas. We are grateful to HPLighting for their validation of our phosphors performance and strong IP position.”

Included in the agreement is Intematix' White Lightning NY450™ / NY460™ product line which has recently been expanded to include warm white spectral variants. Intematix is also making available several alternative-color phosphor lines, now ready for high volume use. All Intematix' product lines bring patent-backed phosphor options to designers and manufacturers of high brightness LED and solid state lighting solutions.

HPLighting is a Taiwan and Japan joint venture company specializing in new types of LED packaging designs and manufacturing targeted for backlighting LCDs larger than 7 inches, as well as for automotive and general lighting applications. According to Dr. Charles Wei, HPLighting President and CEO, “Larger backlight units, automotive and general lighting all require specific color rendering be met with accuracy and consistency. HPLighting intends on using the Intematix' patent-backed phosphor in those high-profile applications as we introduce new approaches that will capture an exciting share of the solid state lighting marketplace. We see Intematix as a solutions-oriented partner, able to help us to deliver the optimal performance into the competitive global marketplace.”

The ability to flexibly customize its phosphor technology is achieved using Intematix' Materials Discovery Engines. This unique material development process technology enables the rapid development of new material compositions that can then be quickly customized for luminescent efficiency, emission wavelength, specific thermal stability, manufacturing processes, and specific Bills of Materials, including a choice of chips at various wavelengths and support for a variety of resins.

Intematix is now in full production with the warm and cool White Lightning™ products as well as a variety of alternative-color phosphor solutions. Using a UV - to 460nm-source, Intematix has enabled their customers to develop and manufacture LEDs that are equivalent to YAG and superior to any TAG-enabled LEDs at those frequencies. Concluded Dr. Li, “With our WL-NY450 phosphor at 450 or 455nm, our customer's devices are now outperforming YAG-enabled LEDs. Partners such as HPLighting who are providing new high-performance solutions into high-visibility applications are key to accelerating the transformational effect that the availability of merchant phosphors is having on the HB-LED industry, rapidly moving solid state lighting into the mainstream.”

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 and optimizes 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 HPLighting

High Power Lighting Corp. was founded in June, 2005 and is located in Tucheng Taiwan R.O.C. with an additional design center in Japan, and is focused on packaged LEDs and lighting module design, manufacturing and marketing. With their core competencies including substrate, thermal and opto design technologies HPLighting is delivering product and technological innovations to benefit customers around the world. In addition HPLighting is partnering with customers to quickly and flexibly customize designs to match market needs. For more information, visit <http://www.hplighting.com.tw>.

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