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ProPhotonix Limited  
("ProPhotonix" or "the Company")

## **ProPhotonix Expands its Product Portfolio with New High-Power Blue and Violet Opnext Laser Diodes**

*A 404nm, 500mW Violet Laser Diode for Medical Illumination Systems and a 445nm, 60mW Blue Laser Diode for Embedded Device Mini Projector Applications*

ProPhotonix Limited, (London Stock Exchange - AIM: PPIX and PPIR, OTC: STKR.PK), a designer and manufacturer of LED systems and laser modules as well as a distributor of premium vendors' laser diodes, announced today that it will distribute two new high-power laser diodes from Opnext ([www.opnext.com](http://www.opnext.com).)

The HL40023MG, a high power 404nm, 500mW violet laser diode is perfectly suited for applications such as biomedical illumination and optical lithography. Current biomedical and direct imaging system manufacturers often use solid state laser diodes which are large and consume tremendous amounts of power. The HL40023MG violet laser diode offers manufacturers a more cost competitive option to use a high intensity diode in a small 5.6mm package. With a low typical operating current of only 390mA, it also saves on power helping to lower manufacturers overall operating costs.

The HL45023TG is the first in a family of blue laser diodes being planned for development. It has been specifically designed to meet the demands of mobile pico projector applications however it's also well suited to a variety of fluorescence and sensing applications. Using a unique and proprietary design, the HL45023TG provides 60mW of optical output power at a 445nm while consuming 30 percent less power than existing, commercially available blue lasers. A maximum operating temperature of 70°C and tiny 3.8mm package size make it ideal for the growing market demand in embedded and mobile device applications.

Mark W. Blodgett, Chairman and CEO of ProPhotonix, said, "With the introduction of the new Opnext laser diode product line, ProPhotonix continues its leadership in the photonics market. We expect that these additions will contribute to increased sales of laser diodes in 2011."

David McGuinness, Sales Director for ProPhotonix commented, "We're delighted to add these new and exciting laser diodes from Opnext to our product range. The addition of the blue and violet wavelengths further cements Opnext's reputation as a global leader in the laser diode business. We're proud to offer such high quality laser diodes to address the demanding applications of our customers."

"Opnext is excited to be working with ProPhotonix as our partner to promote these new red, blue and violet lasers," said Bob Murphy, Opnext Business Development Director for North America Sales. "The great relationship between our companies, coupled with the market presence of ProPhotonix, will uncover many new opportunities in a variety of applications for these new laser devices."

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### **About ProPhotonix Limited**

ProPhotonix Limited, headquartered in Salem, New Hampshire, is an independent designer and manufacturer of diode-based laser modules and LED systems for industry leading OEMs and medical equipment companies. In addition, the Company distributes premium diodes for Opnext, QSI, Sanyo & Sony. The Company serves a wide range of markets including the machine vision, industrial inspection, defense, sensors, and medical markets. ProPhotonix has offices and subsidiaries in the U.S., Ireland, and Europe. For more information about ProPhotonix and its innovative products, visit the Company's web site at [www.prophotonix.com](http://www.prophotonix.com)

### **About Opnext**

Opnext (NASDAQ:OPXT) is the optical technology partner of choice supplying systems providers and OEMs worldwide with one of the industry's largest portfolios of 10G and higher next generation optical products and solutions. The Company's industry expertise, urefocused thinking and commitment to research and development combine in bringing to market the most advanced technology to the communications, defense, security and biomedical industries. Formed out of Hitachi, Opnext has built on more than 30 years experience in advanced technology to establish its broad portfolio of solutions and solid reputation for excellence in service and delivering value to its customers. For additional information, visit [www.opnext.com](http://www.opnext.com).