



May 14, 2015

ProPhotonix Limited

("ProPhotonix" or "the Company")

**ProPhotonix announces Patent Application for Optical Module Heat Sink Array**

*Scalable, water-cooled heat sink array for precise orientation of optical modules*

ProPhotonix Limited (London Stock Exchange - AIM: PPIX and PPIR, OTC: STKR), a designer and manufacturer of LED illumination systems and laser diode modules with operations in Ireland and the United Kingdom, today announces that it has filed a patent application on its unique heat sink for optical modular array assemblies.

The invention is a water-cooled heat sink design suitable for a range of different optical module arrays and sizes that allows for easy replacement of individual optical modules. Design features include precise orientation of the optical modules to ensure an exact electrical connection to an external driver circuit. In addition, the thermal management capacity allows a large density of optical modules, which enables high optical output for many applications.

The invention allows for easy removal and replacement of modules in the field by non-technical personnel, thus alleviating the need for skilled technicians for repair. Importantly, the heat sink has been designed to ensure that the "back end" of the optical module (e.g., the end of optical module where the emitter is located) is circumferentially orientated within a given opening. This allows for light sources of optical modules to be precisely connected to an external circuit every time, even when optical modules are being replaced. In conjunction with optical modules, typical applications for this invention include computer-to-plate printing, maskless lithography and laser marking.

Tim Losik, CEO & President, ProPhotonix, stated "This patent application serves as a reflection of ProPhotonix' continued progression and leadership in developing technology-driven solutions. The design and features of this thermal management device are modular, scalable, and importantly allow for easy field repair with precision "plug and play" alignment of optical modules. We are constantly developing new and unique capabilities, and ProPhotonix will continue to pursue additional patent applications resulting from our technical development initiatives."

**Enquiries:**

ProPhotonix Limited

Tel: +1 603 893 8778

Tim Losik, President and CEO

[ir@prophotonix.com](mailto:ir@prophotonix.com)

N+1 Singer

Tel: +44 (0) 207 496 3000

Ben Wright, Richard Salmond

Nominated Adviser and Broker

## **About ProPhotonix**

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 Ushio (formerly Opnext), Osram, QSI, Panasonic, and Sony. The Company serves a wide range of markets including the machine vision, industrial inspection, security, and medical markets. ProPhotonix has offices and subsidiaries in the U.S., Ireland, U.K., 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)

## **Cautionary Statement**

This press release contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. All statements other than statements of historical fact, including without limitation, those with respect to ProPhotonix's goals, plans and strategies set forth herein are forward-looking statements. The following important factors and uncertainties, among others, could cause actual results to differ materially from those described in these forward-looking statements: uncertainty that cash balances may not be sufficient to allow ProPhotonix to meet all of its business goals; uncertainty that ProPhotonix's new products will gain market acceptance; the risk that delays and unanticipated expenses in developing new products could delay the commercial release of those products and affect revenue estimates; the risk that one of our competitors could develop and bring to market a technology that is superior to those products that we are currently developing; and ProPhotonix's ability to capitalize on its significant research and development efforts by successfully marketing those products that the Company develops. Forward-looking statements represent management's current expectations and are inherently uncertain. All Company, brand, and product names are trademarks or registered trademarks of their respective holders. ProPhotonix undertakes no duty to update any of these forward-looking statements.

#####