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

ProPhotonix Launches COBRA HyperSpec SWIR 2.0 LED Line Light

New SWIR hyperspectral light now with a fuller and flatter spectrum for increased flexibility

ProPhotonix Limited a designer and manufacturer of LED illumination systems and laser diode modules with operations in Ireland and the United Kingdom, today announces the release of its COBRA HyperSpec SWIR 2.0 line light. The new short-wave infrared hyperspectral line light offers a fuller and flatter spectrum with 11 wavelengths filling the band from 950nm to 1750nm and a peak-to-valley ratio of <1.5. The COBRA platform utilizes adjustable optics which guarantees best-in-class spectral uniformity, and coupled with a variety of diffuser options, the line light has the flexibility to be used across a wide variety of applications.

"The enhanced COBRA HyperSpec SWIR 2.0 offers significant benefits to customers, allowing them the flexibility to work over the entire spectral range and providing consistently low, market-leading, signal-to-noise ratio across the entire spectrum." commented Simon Stanley, Director of Technology at ProPhotonix. The new SWIR hyperspectral line light is ideal for applications such as moisture analysis, foreign object, and contaminant detection in food. Textile recycling, pharmaceutical inspection, or any analysis requiring SWIR hyperspectral lighting for image acquisition will benefit from the new product enhancements.

As a configurable platform, COBRA HyperSpec can be customized to specific application needs. The COBRA HyperSpec platform utilizes Chip-on-Board LED technology and with ProPhotonix's in-house Chip-on-Board LED capability, hyperspectral solutions can be configured from the chip up. With more than two decades of experience working with OEMs to develop machine vision lighting solutions, ProPhotonix is well positioned to support system designers in developing the optimum lighting solution for their application.

The [COBRA HyperSpec SWIR 2.0](#) allows users to optimize the spectrum to maximize contrast, compensate for camera sensitivity, and deliver clearer, higher resolution images for increased accuracy and speed. The LED Line Light incorporates a user-friendly GUI allowing users to easily fine-tune the performance of their system.

The COBRA HyperSpec SWIR 2.0 is the latest addition to the ProPhotonix COBRA HyperSpec product range. The COBRA HyperSpec products are powered by a dense array of LED chips and are available with up to 12 wavelengths in a compact platform configurable to your application needs to ensure optimal image acquisition.

To find out more, visit: <https://www2.prophotonix.com/Hyperspectral-SWIR--LED-Line-Light>.

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ProPhotonix Limited, headquartered in Salem, New Hampshire, is a high technology 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, 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 website at www.prophotonix.com.