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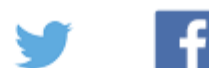
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# PHOTONICS

## spectra

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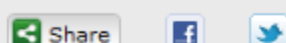
May 2015

### Displays You Wear



It's a case of a sight for sore eyes and other body parts, with display advances promising better augmented reality and wearable devices. For augmented reality, which overlays computer-generated information onto what people see, improvements include 3-D presentations of data and easier outdoor use. Wearable devices in general will benefit from flexible electronics and other advances.

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### Improved Photometric Testing for High-Power LEDs

This first of a two-part series describes the three approaches developed specifically for measuring high-power LEDs. The LM-85 approved method for electrical photometric measurement of high-power LEDs harmonizes the methods currently in use and addresses measurement consistency issues.

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### Advances in Micromechanics Promote All-in-One Positioning Modules



Advances in microactuators, microelectronics and micromechanics are enabling a new class of all-in-one "smart" positioning modules for photonics system miniaturization. Now these smart motion capabilities are creating exciting opportunities for reduced size and unmatched performance in handheld, portable and mobile instruments.

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### Featured Products



#### HELIOS Uniform Sources

Labsphere, Inc.  
Labsphere announces HELIOS® Uniform Sources for Luminance and Radiance, combining the best features of Labsphere's 35 years of imager calibration expertise.

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#### LensCheck Production Lens Testing

Optikos Corporation  
The LensCheck™ instrument is a cost-effective solution for your production and prototype lens qualification needs.

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#### Capacitors for Diode Lasers

Evans Capacitor Co.  
Airborne or handheld, diode lasers require compact, lightweight, rugged and reliable capacitors.

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#### Optogenetics Laser Solutions

Cobolt AB  
Cobolt offers a range of high performance, reliable and user friendly laser assemblies specially tailored for advanced Optogenetics research.

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#### Low-Cosmetic Defect IR Filters

Spectrogon US, Inc.  
Spectrogon manufactures infrared filters and windows with high transmission, high rejection outside the passband, and introducing low cosmetic defects

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#### ILT5000 Research Radiometer

International Light Technologies  
ILT has been manufacturing light measurement equipment for 50 years.

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#### Laser Integration for Optogenetics

Siskiyou Corporation  
The IS-OGP is a simple, turnkey solution integrating an external laser beam into an existing microscope in optogenetics experiments to stimulate target neurons.

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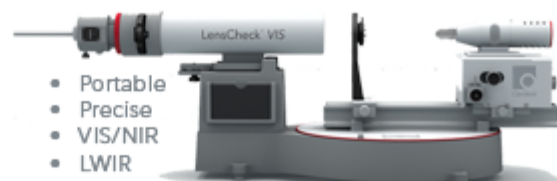


#### MicroMate 3:1 Zoom Ratio

Navitar, Inc.  
The MicroMate was designed specifically to work with today's high resolution 4/3" sensor cameras.

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Test drive the **LensCheck™** system for production and prototype lens testing.



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Thursday, June 11, from 1 to 5 p.m. EDT

FREE WEBINAR

Researchers from around the world will present their latest work at "Biophotonic Imaging for Medicine: A Digital Conference." The online event will feature a series of 15- and 30-minute talks, each followed by a brief question-and-answer period.

Presentations will focus on a range of light-based imaging and microscopy techniques for diagnosing and assessing illness, and for studying other attributes and functions of biological tissue in a medical context. Topics include wavefront engineering for in vivo deep tissue imaging, deep UV excitation microscopy for slide-free pathology, quantitative phase digital holographic microscopy, photoacoustic analysis, multimode fiber endoscopy, surface-enhanced Raman scattering (SERS), microscopy and lens-free microscopy.

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