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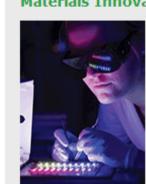
Test drive the *LensCheck*™system



Volume 49 · Issue 6 · HIGHLIGHTS

June 2015

Materials Innovations Help LEDs Turn On



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Innovations in substrates and phosphors are cutting costs, improving LEDs' performance and driving them into new applications. Novel materials are powering the push of LEDs into new areas. For instance, according to Yole Développement, the market for ultraviolet LEDs will grow from \$90 million in 2014 to more than \$500 million and potentially much higher by 2019.

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Applied Robotics: How Robots Are Changing Our World

Layering thin films such as amorphous silicon and microcrystalline silicon enhances the conversion efficiency of solar cells. A double absorbing layer based on amorphous silicon

thin film is promising for solar cells because it considerably enhances the utilization of

sunlight. Other potential applications can be found in the field of IR detection.

Layer Structure Enhances Light Absorption



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handicapped to providing internet connectivity in remote areas, robots are everywhere and doing it all. The robot age is upon us. The thought of robots might bring to mind helpful androids like C-3PO in "Star Wars" or Rosie from "The Jetsons" - or it might stir up Looking for **Imaging and** concern for humankind as advanced robots become more and more indispensable and take over dangerous or boring tasks. Share Read Article >> CMOS Cameras Quantum Cascade Lasers: Where They Are and Where They're Going <u>Digital Cameras</u> QCLs are carving a clearer niche in photonics applications, namely in defense and security,

Considerations When Buying Flat Optics



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To simplify the process when purchasing flat optics, we will discuss the top six factors from a manufacturer's perspective, all of which affect the three major areas of the purchasing decision: quality, delivery and cost.

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medical diagnostics, atmospheric gas sensing and mid-IR imaging.











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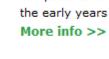
Laser Debris Shields United Lens Company, Inc.

As we approach our 100th Anniversary as a leader in the Custom Optics Industry, we at ULC continue our legacy of responding to our customers' needs by introducing Debris Shields for high energy laser applications.

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Fiber Laser Cavities OFS Specialty Photonics OFS has been developing and manufacturing high power components and modules since the early years of fiber lasers.



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transmission, high rejection outside the passband, and introducing low cosmetic defects.

Spectrogon US, Inc.



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SWIR Cameras Raptor Photonics Ltd.

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WEBINAR Self-Assembled Porphyrin



Nanoparticles for Biophotonic Imaging and Light-Controlled Drug Delivery Thu, Jun 18, 2015 1:00 PM - 2:00 PM EDT

FREE WEBINAR This talk will address two recently reported nanoscale



systems, both involving high-density porphyrin constructs. First, porphyrin nanovesicles have been developed that can release drugs in response to near-infrared (NIR) laser irradiation, leading to enhanced drug deposition in irradiated tumors. Second, a family of highly light-absorbing nanoparticles have been developed for safe and realtime gastrointestinal photoacoustic imaging following oral administration to mice.

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