

The need to control light makes the simulation of optical systems indispensable for the fast, efficient development of innovative and competitive products. Dozens of industries turn to Germany's opsira GmbH for optimized optical systems and highly efficient measurement and simulation technology.

Opsira in Spotlight with New Optical Systems

According to opsira, the need to simulate optical systems stems from a variety of factors driving the creation of new technical and consumer products. These include shorter development times, increased demands on the products themselves and the high cost for tooling and prototypes. Building on its expertise in optical simulation and measurement, opsira develops optical systems from the drawing board to series production for industries as diverse as medical technology, automobiles, sensors, household appliances and other consumer goods.

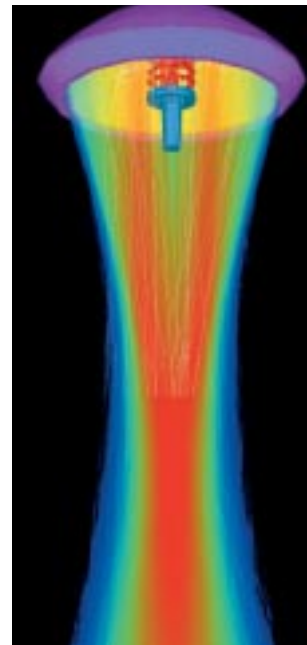
Whether for purposes of quality control, supplier comparison or simulation, precise optical measurements are crucial to every phase of the development process. Here, too, opsira provides a highly

able goniometric and videophotometric measurement systems for light sources ranging from high-performance discharge lamps to mini-LEDs.

One such system is the spec2000/MED2000. This portable spectral measurement system for the UV/VIS/NIR range can be used to measure a variety of colorimetric properties as well as the spectral transmission or reflection properties of materials. A specialized version, MED2000, has established itself as the industry standard for the mobile measurement and evaluation of UV emissions of cosmetic tanning equipment.

opsira is also well known for luca, a next-generation luminance measurement system first reported on by TNI in 2003. Our previous

More information about luca'lux, luca'gonia, luca'remote, luca'rayset, luca'pos and luca'desk is available on the opsira website located at www.opsira.com. ■



Light emission profile of a surgery lamp.



regarded measurement service for analyzing a variety of optical properties. Measurements are conducted in-house at opsira's state-of-the-art optical laboratories at the company's headquarters in Weingarten, Germany.

opsira also shines with a range of commercially avail-

able measurement services. Our previous article described the use of luca for sophisticated luminance measurement. opsira has since added several modules that expand luca's basic functionality to include more advanced goniometric and photometric analysis, remote control options, rayset analysis, positioning information and desktop data analysis.

Opsira welcomes inquiries and is pleased to provide further details upon request. Please contact:

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