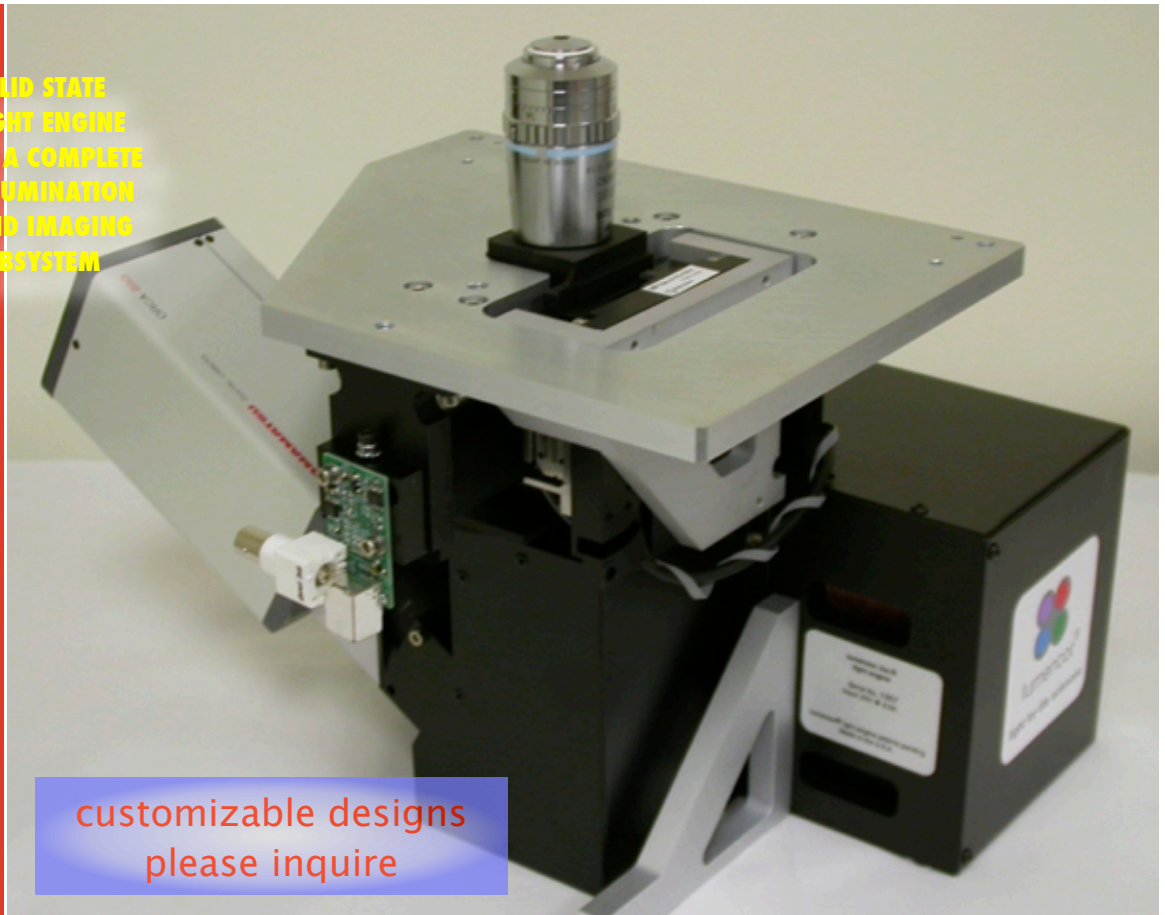


COREPRODUCT

September 2010

illuminate

**SOLID STATE
LIGHT ENGINE
IN A COMPLETE
ILLUMINATION
AND IMAGING
SUBSYSTEM**



Lumencor's first line of CORE products offer both illumination and emission optics for OEM designers of quantitative bioanalysis tools and instruments.

customizable designs
please inquire



lumencor[®]

Illumination and Imaging Subsystems in one simple product

State of the Art Solid State Lighting for Instrument Manufacturers

Lumencor now offers complete illumination and emission subsystems in a new "CORE" product. In keeping with our philosophy of providing life science instrument makers optics *solutions* for bioanalysis products, Lumencor now provides a customizable unit that functions as the entire optical train. This "instrument CORE subsystem" leverages Lumencor's optical design expertise and her proprietary solid state light engines.

The CORE provides illumination to the samples and images the resulting fluorescence emission. OEMs build the CORE into their instruments, be they microscopes,

plate readers, diagnostics tools, etc. To accomplish this CORE products integrate multi-band solid state sources, spectral filters, objective z-control, field diaphragm, collimating lens, poly-band dichroic, multi-band emission filter, objective and tube lens, camera mount and electronics all on a common, support structure.

The CORE provides:

- ▶ all illumination and emission optics on one baseplate to streamline engineering, development time and cost for new instruments.
- ▶ high intensity color bands, field uniformity, short exposure time, stability, repeatability and minimal

maintenance.

- ▶ solid state illumination with multiple intense outputs, fast switching, stability and durability
- ▶ improved instrument performance and
- ▶ cost savings to high volume manufacturers.

Please inquire for your custom OEM design needs:

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