

# X-Cite®

Fluorescence Illumination • In Control

## X-Cite Vitae™ Illumination Solutions for OEM Applications

X-Cite Vitae™ offers innovative illumination solutions with custom design capabilities and best-in-class manufacturing quality to meet the most demanding OEM applications. We work closely with project teams to understand their requirements, and apply our extensive expertise in lighting technology to develop custom solutions that exceed expectations.



### Core Competencies

Proven expertise in developing innovative solutions for fluorescence applications

Optimized optics for light delivery

Thermal management design for maximum stability and lifetime

Best-in-class delivery, product reliability, and customer service



[www.excelitas.com](http://www.excelitas.com)

**EXCELITAS**  
TECHNOLOGIES®



# Solid State Illumination Platforms



## X-Cite Vitae™ FOI: Configurable White Light Illuminator

The X-Cite Vitae FOI is a compact, configurable, white light, LED light source for OEM medical applications such as endoscopy, surgical microscopy and headlamp systems. With high lumen and high CRI options, as well as a variety of coupling and control possibilities, the X-Cite Vitae FOI is a flexible illumination platform for simple integration.



## X-Cite Vitae vIR and vIR+: Tunable White Light (IR option)

The new X-Cite Vitae vIR and vIR+ are customizable, multi-wavelength illumination systems designed for high precision medical illumination and diagnostic applications such as endoscopy and surgical visualization. The high brightness, solid-state white light sources offer reliable replacements for xenon technology. Featuring high output power of 2000-5000 Lumens, the X-Cite Vitae vIR and vIR+ offer adjustable color temperature and high CRI in an easily-integrative turnkey system.



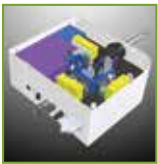
## X-Cite Vitae wL: White Light Fluorescence

The X-Cite Vitae wL is a high output LED alternative to traditional arc lamp technologies that provides light in the wavelength range of 370-700 nm with lower running costs. Coupling options include direct mount or through fiber delivery. Small footprint and multiple cooling options enable easy integration into existing instrumentation systems.



## X-Cite Vitae 6: Flexible Multi-Wavelength

Based on a flexible LED module design with extensive wavelength multiplexing capabilities, the X-Cite Vitae 6 is a multi-wavelength platform that offers high output power and efficient thermal management for maximum spectral breadth and stability. Systems can be customized with up to six LEDs and excitation filters to cover a wide range of imaging, diagnostic and analytical applications. With a range of wavelengths from 360-740nm, the X-Cite Vitae 6 offers high speed color switching, analog or digital control, and a footprint customized to your solution.



## LaserLED Hybrid Drive™ Technology

LaserLED Hybrid Drive combines the best of LED and laser technology to provide a compact, versatile, high performance platform for the most demanding applications. A hybrid design approach is adopted to overcome the individual limitations of arc lamps, LEDs, lasers and phosphor light engines delivering high power and high radiance across the spectrum. Systems are available with up to six solid state wavelength options and can be customized to efficiently couple to a range of light delivery systems.



## Light Measurement

For applications requiring light output monitoring or feedback loops to maintain consistent intensity, X-Cite offers a range of light measurement solutions that can be incorporated into any illumination system. The stand-alone X-Cite Power Measurement System can measure output from lamps, LEDs, or lasers with the ability to record through USB.

Contact us about your next project requirements at [X-Cite@excelitas.com](mailto:X-Cite@excelitas.com).

### About X-Cite

X-Cite from Excelitas Technologies® offers the life science and analytical instrumentation markets a broad range of innovative fluorescence illumination and measurement solutions with unsurpassed reliability and control capabilities. Recognized as the industry standard in research microscopy, X-Cite also brings solid state LED technologies to instrument manufacturers, combining maximum optical performance with flexible design and best-in-class manufacturing quality and lead time. The global presence and technology reach of Excelitas Technologies serves to expand the range of solutions, technology and manufacturing capabilities brought with the X-Cite platform of solid state optical solutions.



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