

X-Cite®

Fluorescence Illumination • In Control

X-Cite Vitae™ FOI

High performance fiber optic solid state illumination

High lumen light source for Xenon replacement

Maximum color rendering via high CRI option

Integrated turret with standard ferrule interfaces

Compact size for easy integration



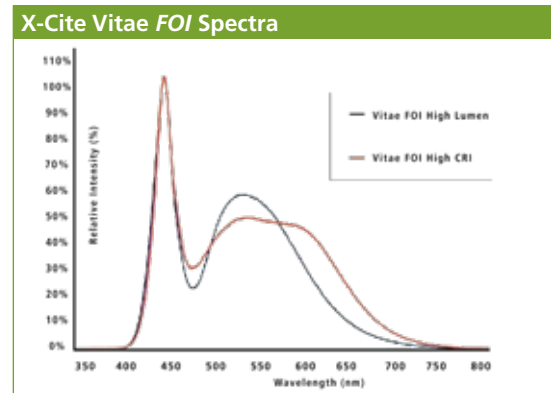
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TECHNOLOGIES®

X-Cite Vitae™ FOI

The X-Cite Vitae FOI is a configurable solid state fiber optic illuminator designed for medical applications requiring high quality white light. A compact footprint and multiple control options allow for simple OEM integration into a variety of medical devices such as endoscopic systems, surgical microscopes and headlamp systems.

The X-Cite Vitae FOI features high lumen and high CRI options suitable for a large range of applications and includes configurable components that can be quickly and easily adapted to specific customer requirements.



TECHNICAL SPECIFICATIONS • X-Cite Vitae FOI

Coupling	Four way turret accepting Storz, Wolf, ACMI, and Olympus ferrules optimized for 5mm, 0.56 NA fibers. Customized couplings available.	
Luminous Output	High Lumen 2000 Lumens	High CRI 1400 Lumens
Color Rendering Index	Minimum 70, Typical 75	Minimum 88*, Typical 92*
Color Temperature	5500-8000K; Typical 7000K	5000-7200K*; Typical 6000K
Control Options	Direct Current Control via 0-5V analog input or Pulse Width Modulation (PWM) via externally supplied signal. Dedicated Pin for LED ON/OFF.	
Status Indicators	Output signals for power status, LED current level, and fan speed.	
Thermal Monitoring	Built-in temperature sensor monitors LED temperature. Integrated hardware cutoff when LED temperature exceeds predetermined limit.	
Ferrule Sensing	Safety sensor circuitry; senses fiber presence for increased safety.	
Input Voltage, Power	12-24 VDC, 100W Minimum	
Unit Dimensions	7.61" x 4.0" x 2.9" (L x W x H)	

*Estimated

Contact us at X-Cite@excelitas.com to discuss how the X-Cite Vitae FOI can be customized to meet your integration needs.



www.excelitas.com
x-cite@excelitas.com

2260 Argentia Road
Mississauga, Ontario
L5N 6H7 CANADA

Telephone: +1 905 821-2600
Toll Free (USA and CAN): +1 800 668-8752
Fax: +1 905 821-2055