



Excelitas Technologies Introduces X-Cite XYLIS II for Fluorescence Microscopy

Enhanced LED Illumination System Now Featuring Quieter Operation and Increased Optical Output for Researchers



WALTHAM, Mass., November 1, 2023 – [Excelitas Technologies® Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, announces the [X-Cite XYLIS™ II Broad Spectrum LED Illumination System](#). A replacement for the current X-Cite XYLIS, XYLIS II offers several improvements, including significantly quieter operation and increased optical output, with the broadest spectrum available in a white light LED for fluorescence microscopy applications. The introduction of XYLIS II comes as Excelitas Technologies

celebrates the 20-year anniversary of the X-Cite product brand, which has grown to be the industry standard in fluorescence illumination.

Rivaling traditional arc lamps for brightness, XYLIS II is ideal for both compound and stereomicroscopes. It incorporates Excelitas' patented, award-winning LaserLED Hybrid Drive® technology to overcome the LED green gap from the 540nm to 590nm region of the spectrum, where LED-only systems are significantly challenged. The powerful output and broad DAPI to Cy7 spectral range of XYLIS II offers researchers and microscope lab managers the benefits of LEDs without compromising on price, flexibility or performance. XYLIS II uses the same speedDIAL, light guides, adaptors and command set as the original XYLIS, allowing for a seamless transition between the two systems.

XYLIS II features include:

- Whisper quiet operation
- Broad spectrum, UV and visible
- Light guide coupled, optimized for 3mm
- Power levels comparable to (or better than) the current X-Cite XYLIS
- Control – manual (via speedDIAL), TTL, USB

“Excelitas is proud of our long-standing commitment to delivering X-Cite Lamp and LED light sources for fluorescence microscopy, offering exceptional stability and superior illumination uniformity to meet the unique requirements of our customers,” said Michelle Gal, Senior Product Manager, X-Cite at Excelitas. “XYLIS II builds upon the success of our 20-year X-Cite heritage and addresses the feedback we’ve received from our valued customers. With optical output improvements across its broad spectrum and sound levels 10dB quieter than the original XYLIS, the only thing customers will notice about XYLIS II is its great performance.”

Excelitas will display the new X-Cite XYLIS II at [SfN Neuroscience 2023](#) Booth # 1716 in Washington, DC, November 12 - 15, 2023. For additional information, visit: <https://www.excelitas.com/product/x-cite-xylis-ii-broad-spectrum-led-illumination-system>.

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About Excelitas Technologies

Excelitas Technologies® Corp. is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the illumination, optical, optronic, sensing, detection and imaging needs of our OEM and end-user customers. Serving a vast array of applications across biomedical, scientific, semiconductor, industrial manufacturing, safety, security, consumer products, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their many various end-markets. Our team consists of more than 7,500 professionals working across North America, Europe and Asia, to serve customers worldwide.

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