

## LED illumination for fluorescence from Fura-2 to Cy7.5 and beyond – a true lamp replacement

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### Abstract

Fura-2 applications have required a Xenon light source for decades, and even though the power provided by Xenon is low, this technology is the default technology for this application. We present a new LED illumination system that can cover applications from Fura-2 to Cy7.5. This translates to a device that can excite common fluorophores between 340nm and 800nm, with no compromise on optical power or light uniformity, while the user enjoys the benefits of LED technology.

