

## LED LIGHT SOURCES

Fluorescence Excitation with Maximum Flexibility



### FOR FLUORESCENCE MICROSCOPY IN LIFE SCIENCES AND BIOANALYSIS

- :: Superior lifetime (up to 25,000 h)
- :: Very stable output
- :: No intensity drop during lifetime
- :: No need for heating-up
- :: With USB / TTL connectors
- :: Built-in excitation filter holders
- :: Single switchable LEDs
- :: Fast switching time (up to 2  $\mu$ s)

### OUR PARTNERS





### COOLED PE-300<sup>ultra</sup> / 800 / 4000

- :: pE-4000: 16 high power LEDs, 365–770 nm
- :: pE-800: 365 / 400–435–470–500–550–580–635–740 nm
- :: pE-300<sup>ultra</sup> (SB): 365 / 470 nm / GYR
- :: pE-300<sup>ultra</sup> (MB): 400 / 470 nm / GYR
- :: Integrated into most imaging software (e.g. Olympus, Nikon, Visitron)



### EXCELITAS X-CITE NOVEM XT920

- :: Spectral coverage from DAPI to Cy7
- :: Optional system for FURA available
- :: Nine-channel wavelength selection
- :: High Power with LaserLED Hybrid Drive
- :: 9 positions for optional clean-up filters
- :: Control via speedDIAL, USB, TTL, Analogue



### LUMENCOR SPECTRA X

- :: High energy 'light pipe'
- :: Spectral output 380 – 680 nm
- :: 6 excitation wavelengths (incl. 7 filters)
- :: Switching time < 10 μs
- :: Output power comparable to metal-halide light sources
- :: Very stable output

### LUMENCOR SPECTRA III

- :: Spectral output 365 / 385 – 745 nm
- :: Option for FURA available
- :: Lifetime > 25,000 h
- :: 8 built-in light sources
- :: Closed-Loop-Feedback system
- :: TTL switchable < 20 μs
- :: Built-in excitation filters
- :: Compatible to Spectra X

### LUMENCOR AURA III

- :: Spectral range 365 / 385 – 745 nm
- :: Lifetime > 25,000 h
- :: 5 built-in light sources
- :: Closed-Loop-Feedback system
- :: TTL switchable < 20 μs
- :: Built-in excitation filters
- :: Driver compatible to Spectra X

## LED MICROSCOPE LIGHTING

- ✓ NO MERCURY
- ✓ LONG LIFETIME
- ✓ ENERGY SAVING
- ✓ MORE SUSTAINABLE