

Fluorescence LED Illuminator

903Pro



| Broad-Spectrum LED

| Reliable **CFP** excitation

| Replaces Mercury Lamps

| Control Pod Included

| Matches Existing Filters

| Cost-Effective Illuminator



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Scientific Imaging Solutions for Life Sciences



Control Pod

► Extended Lifespan LED Illuminator

The routine maintenance of fluorescence microscopes, including mercury bulb replacement and optical re-alignment, imposes significant time and financial burdens on life science laboratories, necessitating annual budget allocations for mercury and metal halide bulbs.

Transitioning to LED illuminators, with an extended lifespan of approximately 25,000 hours, substantially reduces research expenditure. Furthermore, the instantaneous ON/OFF functionality of LED systems minimizes operational duration during experimental workflows, enhancing efficiency and preserving the longevity of the fluorescence light source.

► High-Power, Broad-Spectrum LED

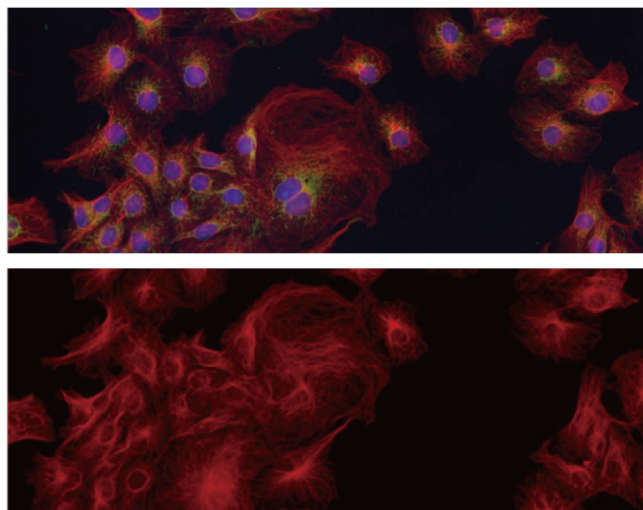
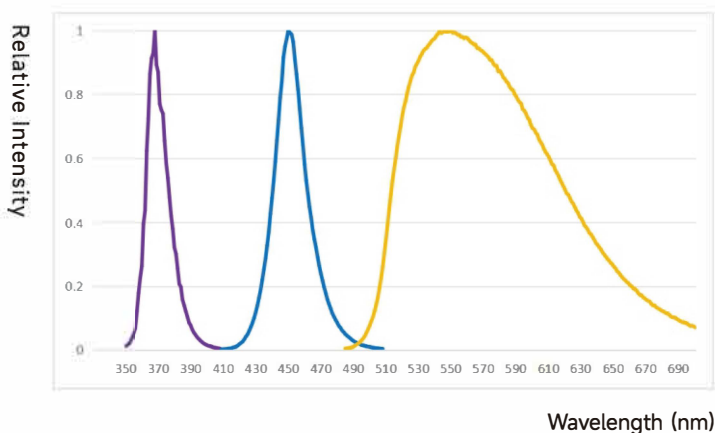
Fluorescence illumination systems must deliver robust excitation across UV, Blue, and Green/Yellow (G/Y) spectral ranges to support diverse fluorophores. Historically, achieving LED power outputs comparable to mercury-based sources at specific excitation wavelengths has been a significant challenge.

The 903Pro LED illuminator addresses this by providing high-intensity output across UV, B, and G/Y spectra, with exceptional performance for CFP excitation at 440 nm. Its power output is optimized for compatibility with most standard fluorescence filter sets, eliminating the need for filter cube replacements.

► Technical Specifications

Wavelength Range	350nm - 700nm
LED Peaks	365/30nm, 450/40nm, 555/100nm
LED Lifespan	25,000 hours
Operating Mode	Intensity control knob, ON/OFF from 0% to 100% in 1% steps
Power Supply	100 - 240VAC, 50/60Hz
Power to Main Unit	12V, 8.5A
Dimension	198 x 175 x 66 mm (main unit) 300 x 300 x 25 mm (shipping carton)
Weight	2.6kg (main unit and accessories)
Warranty	36 months or 25,000 hours

► 903Pro Spectral Output



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