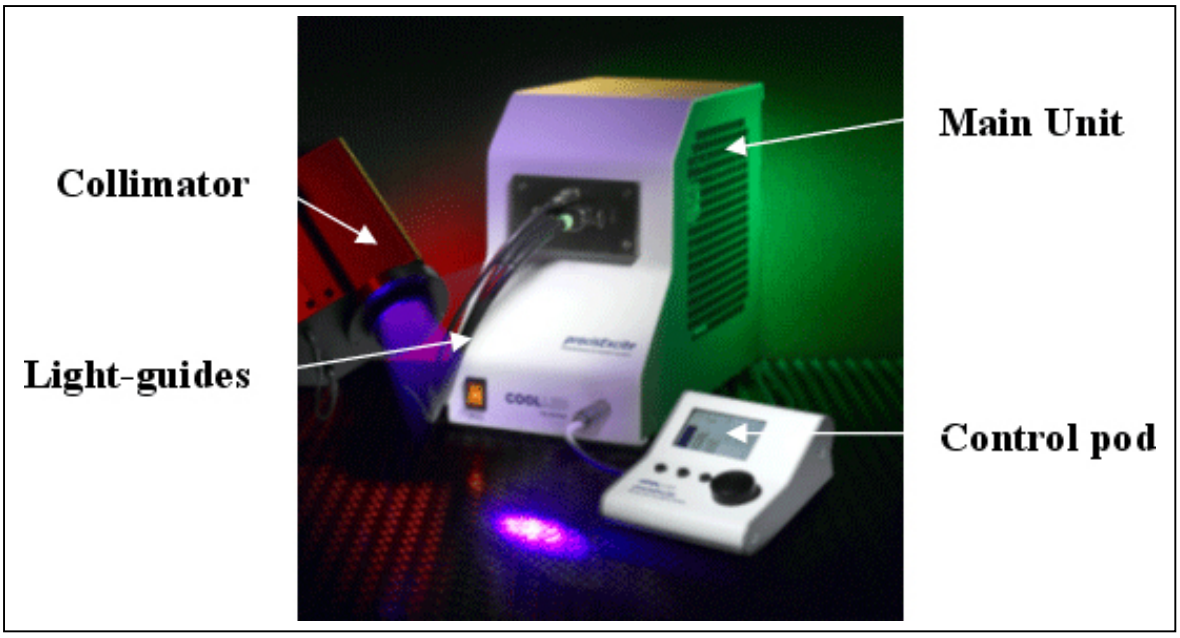
Intelligent BioMed-Solutions from Visitron Systems GmbH

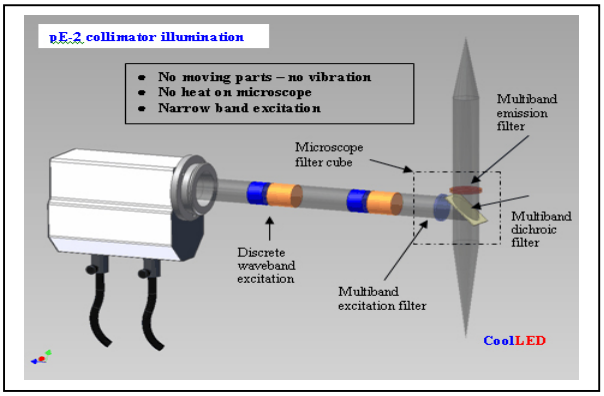
LED Illumintion System

CoolLED LED Light Source

for Fluorescence Illumination

PrecisExcite represents the very latest in fluorescence excitation. It uses LED Array Modules (LAMs) as a source of excitation. LEDs offer significant benefits over conventional lighting technology. The LEDs are actively-cooled to ensure the highest intensity and are extremely stable and long lasting. Both manual control and software operation are available. PrecisExcite is supported by many of the leading imaging software packages. PrecisExcite is a self-contained unit which is operational within a few minutes of unpacking.





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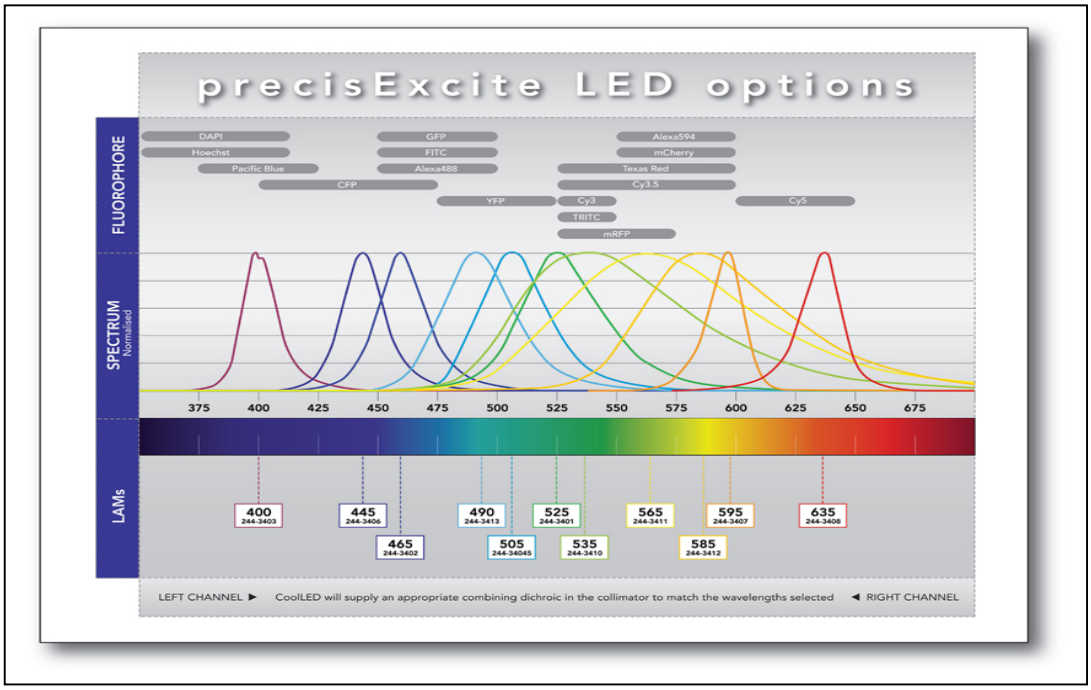
Modular configuration

Excitation of your fluorophores can be achieved by selecting the appropriate wavelength LAMs (LED Array Modules) from CoolLED's constantly increasing range of available wavelengths. These are interchangeable depending on which fluorophores you wish to excite.

There are two configurations for precisExcite: Standard collimator and the pE-2 collimator. The standard unit is suitable for most fluorescence applications and as a secondary light source for Confocal systems. The pE-2 configuration has a more sophisticated collimator which is particularly suitable for Live Cell imaging and fast-switching (~300 microsecond) applications.

Benefits of LEDs and precisExcite

- Switch on and off instantly
- Adjust light intensity in 1% steps (0-100%)
- Exceptional stability
- Selection of LED Array Modules (LAM®s)
- Fast switching (microseconds with pE-2)
- No need to re-align the light source
- No warm-up or cool-down period
- No need to use ND filters
- No need to use shutters
- No bulb safety and disposal issues



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