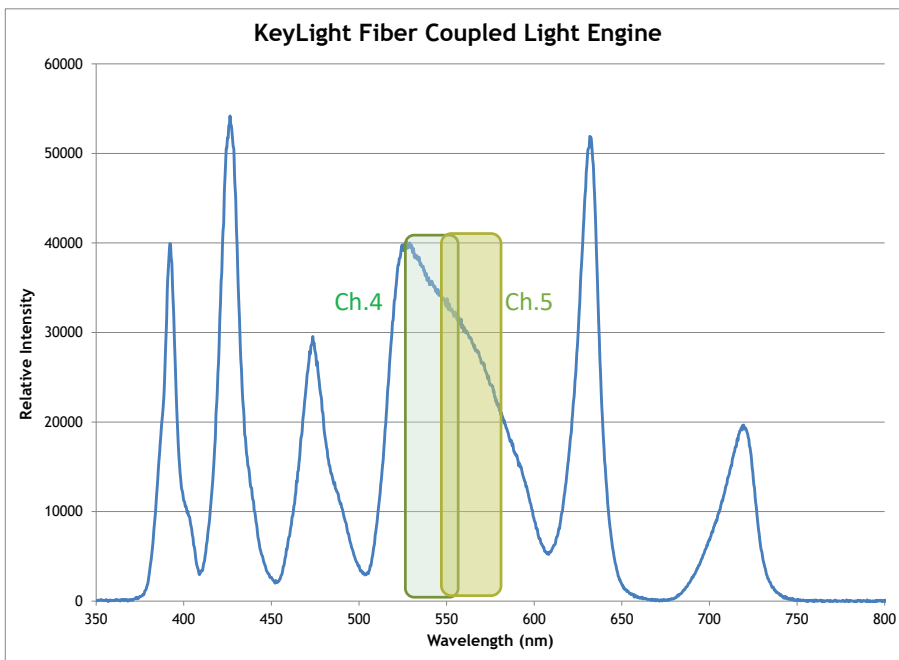# KeyLight™ OEM Light Source

Product Specifications

KeyLight™ illumination sources for fluorescence microscopy deliver high performance imaging with easy integration for OEMs. Phoseon's proprietary LED solutions offer intense, broad-spectrum UV and visible wavelengths for a wide variety of colors between 340nm and 760nm. These compact light sources support 3, 4, 5, 6 or 7 channel systems for greater flexibility depending on the application requirements.

KeyLight Benefits

Small form factor for easy integration

High performance imaging

Cost and energy savings

Compact architecture supports various optical fiber sizes

Optimized for various numerical aperture requirements

Low maintenance with mercury-free operation

Relative Spectral Output of 7-Line System

KeyLight Fiber Coupled Light Engine

Target Model Usage

KeyLight: Fluorescence microscopy for OEMs that require reliable, high-performance imaging for laboratory instruments, automated microscopy instruments, medical device illumination, high content screening applications.

Operation

Phoseon's patented Semiconductor Light Matrix (SLM) technology encapsulates LEDs, arrays, optics and cooling to maximize performance. These components are engineered into high intensity solid state light engines that enable significant process improvements for fluorescence microscopy.

Technical Specifications

KeyLight OEM Light Source	
Light Sources	7 switchable solid state light sources
Wavelengths/Width	377nm/50, 432nm/40, 475nm/40, 543nm/27, 562.5nm/35, 632nm/28, 725nm/48
Light Output	Built-in output adapter for 1.5mm diameter fiber
Electronic Control	Light output on/off and graduated intensity control via USB-connected computer
Power Requirements	102W, 12 VDC, 8.5A External power supply
Dimensions (LxWxH)	19.0 cm x 12.5 cm x 18.0 cm
Weight	6.85 lbs or 3.1 kg
Warranty	12 Months

About Phoseon Technology

Since 2002, Phoseon Technology pioneered the use of LED technology for Life Sciences and Industrial Curing. Through our relentless innovation, we deliver high performance, reliable and patented LED based solutions. Our strong focus on customer collaboration has resulted in world-wide market leadership position and presence. Phoseon is an ISO9001 certified company manufacturing award winning products. We uniquely focus 100% on LED technology therefore ensuring superior reliability, business economics, and environmental benefits.