

KeyLight™ OEM Light Source

Product Specifications

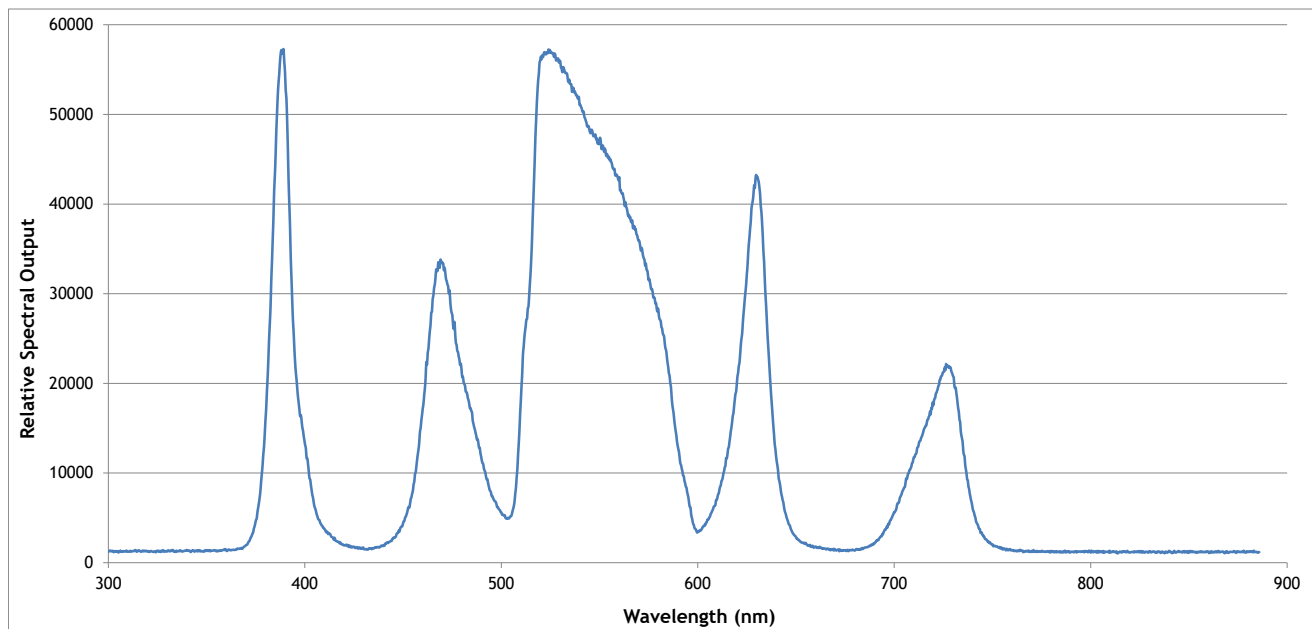
KeyLight™ illumination sources for fluorescence microscopy deliver high performance imaging with easy integration for OEMs. Phoseon's proprietary LED solutions offer intense, broad-spectrum UV and visible wavelengths for a wide variety of colors between 377nm and 760nm. These compact light sources support 3, 4, 5 or 6 channel systems for greater flexibility depending on the application requirements.



KeyLight Benefits

- Small form factor for easy integration
- Compact architecture supports various optical fiber sizes
- High performance imaging
- Optimized for various numerical aperture requirements
- Cost and energy savings
- Low maintenance with mercury-free operation

Relative Spectral Output of 5-Line System



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	KL500	KL510
Light Sources	5 switchable solid state light sources	
Wavelengths	390nm/475nm/555nm/630nm/730nm	377nm/475nm/543nm/560nm/631nm
Power Output	100-500mW min depending on channel	
Light Output	Built-in output adapter for 3mm diameter liquid light guide (LLG)	1.5mm core Fiber with SMA connection & 3mm LLG
Light Delivery	Liquid light guide (LLG) output connects to microscope	Fiber or Liquid light guide (LLG) output connects to microscope
Electronic Control	Light output on/off and graduated intensity control via USB-connected computer	
Power Requirements	150 W, 12 VDC, 12.5 A External power supply	150 W, 12 VDC, 12.5 A External power supply
Dimensions (LxWxH)	16.0 cm x 14.0 cm x 16.0 cm	Approximately 200mm H x 140mm W x 220mm L
Weight	< 5Kg; < 9 lb	<15lbs
Warranty	12 Months	
Certifications	RoHS, REACH, CE	

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.