

KeyLight™ OEM Light Source

Product Specifications

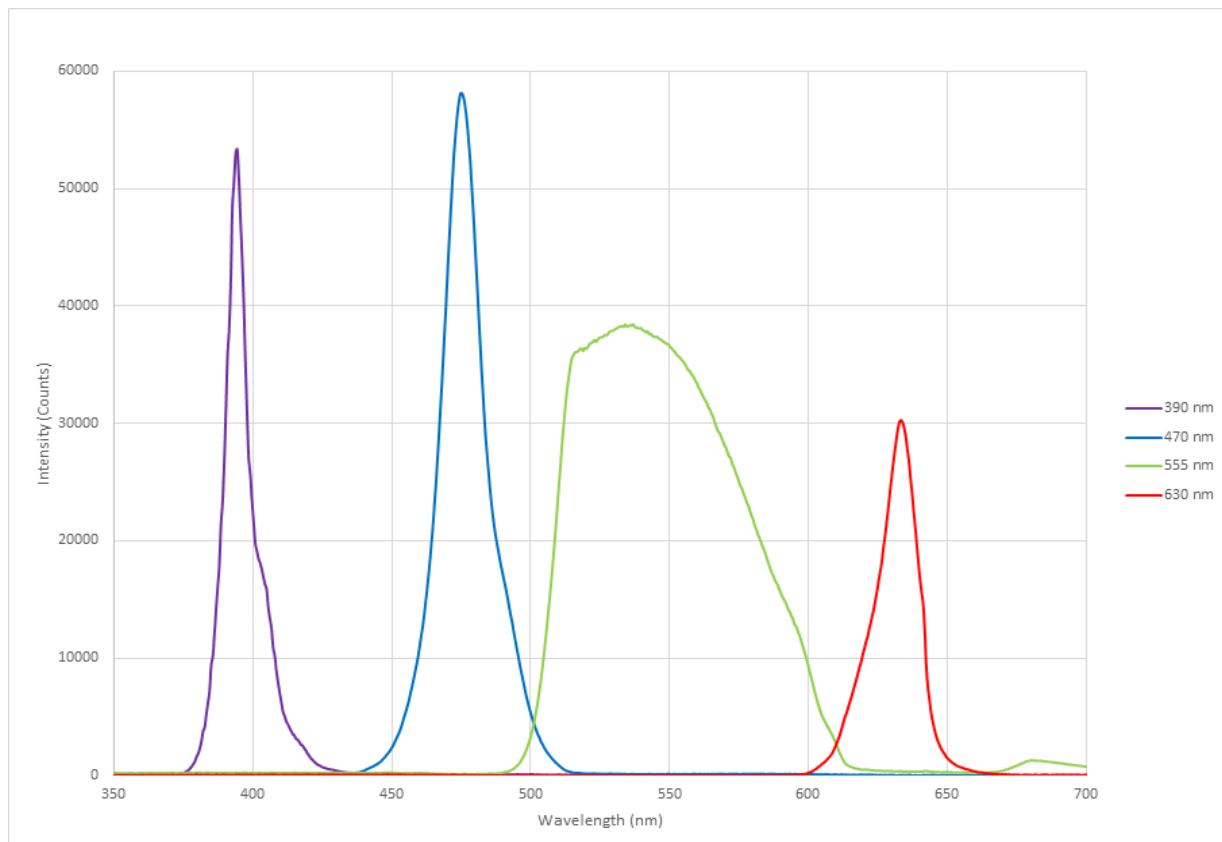
KeyLight™ 4-channel illumination sources for fluorescence microscopy deliver high performance imaging with easy integration for OEMs. Phoseon's proprietary LED solutions offer intense, precise, broad-spectrum UV and visible wavelengths for a wide variety of colors between 340nm and 630nm. These compact light sources are also available to support 5, 6, and 7 channel systems for greater flexibility depending on the application.



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 4-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 4-channel OEM Light Source	
Light Sources	4 switchable solid state light sources
Wavelengths	390nm/475nm/555nm/630nm
Power Output	100-500mW min depending on channel
Light Output	Close Coupled to a standard Olympus Microscope Close Coupled to a standard Olympus Microscope
Light Delivery	Close coupled to microscope with focus slide
Electronic Control	Light output on/off and graduated intensity control via USB-connected computer
	Phoseon remote with ON/OFF and Intensity control of white light only
	Phoseon Intensity control of white light only on body
Power Requirements	150 W, 12 VDC, 12.5 A External power supply
Dimensions (LxWxH)	160mm H x 125mm W x 77mm L (Excluding adapter and connectors)
Weight	3.75lbs
Sound Level	< 60 dBA @ 1m
Ambient operating temperature range	15°C to 30°C
Relative humidity	< 80% (non-condensing)
Operating altitude	< 3,000M (9,850 ft)
Certifications	RoHS, REACH, CE
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.