

4-Wavelength High-Power LED Sources

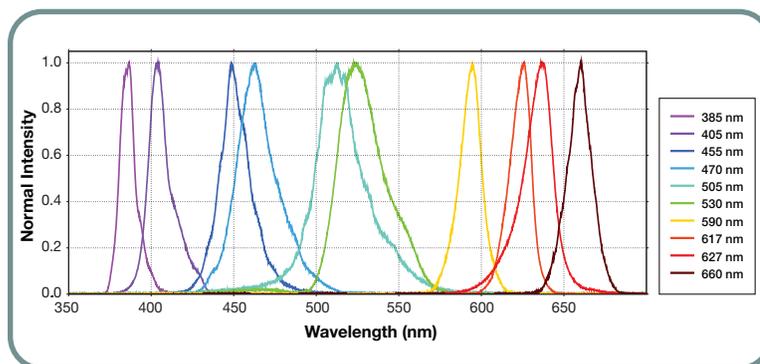
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LED4C Series
4-Wavelength LED Source

Features

- Rapid Switching and Intensity Adjustments via LED Current Settings (Compatible with DC4100 Driver)
- Adapters Available for Olympus, Nikon, Zeiss, and Leica Microscope Lightports
- ± 0.1 nm Wavelength Stability, $\pm 1.5\%$ Power Stability
- Three Factory Configured Combinations
 - 455, 530, 590, and 627 nm
 - 405, 470, 530, and 617 nm
 - 505, 590, 617, and 660 nm



Thorlabs' 4-Wavelength LED Source combines four LED beams into a single collimated emission beam. Together with the DC4100 4-Channel Driver (featured on the next page), the DC4100 provides a versatile light source with rapid switching and modulation of individual LEDs. Compared to non-LED sources, the LED4C provides a higher signal-to-noise ratio due to narrow bandwidth emission, simple operation without maintenance cycles, and no active cooling requirements. Microscope adapters are available and listed at the bottom of the page. For custom wavelength combinations, please contact Tech Support.

Available Wavelengths for 4-Wavelength LED Source

Color	Center Wavelength	Spectral Range	Power	Lifetime
UV	385 nm	380 - 390 nm	10 mW	>500 Hours
UV	405 nm	400 - 405 nm	130 mW	>100,000 Hours
Royal Blue	455 nm	440 - 460 nm	40 mW	>100,000 Hours
Blue	470 nm	460 - 490 nm	25 mW	>100,000 Hours
Cyan	505 nm	530 - 520 nm	20 mW	>100,000 Hours
Green	530 nm	520 - 550 nm	15 mW	>100,000 Hours
Amber	590 nm	584.5 - 597 nm	25 mW	>100,000 Hours
Orange	617 nm	613.5 - 620.5 nm	30 mW	>100,000 Hours
Red	627 nm	620.5 - 645 nm	40 mW	>100,000 Hours
Deep Red	660 nm	658 - 670 nm	10 mW	>100,000 Hours

For other wavelength combinations, please contact Tech Support.

ITEM#	\$	£	€	RMB	DESCRIPTION
LED4C1	\$ 2,495.00	£ 1,729.50	€ 2,215.00	¥ 21,068.00	4-Color LED Head (455, 530, 590, and 627 nm)
LED4C2	\$ 2,495.00	£ 1,729.50	€ 2,215.00	¥ 21,068.00	4-Color LED Head (405, 470, 530, and 617 nm)
LED4C3	\$ 2,495.00	£ 1,729.50	€ 2,215.00	¥ 21,068.00	4-Color LED Head (505, 590, 617, and 660 nm)

LED4C Series of Microscope Adapters

These adapters mate the LED4C Series of 4-Wavelength, High-Power LED Sources (featured above) to the illumination port of Olympus, Nikon, Zeiss, and Leica Microscopes.

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ITEM#	\$	£	€	RMB	DESCRIPTION
LED4A1	\$ 60.00	£ 41.60	€ 53.30	¥ 506.70	LED4C Source Adapter, SM2 Thread to Olympus Mount
LED4A2	\$ 60.00	£ 41.60	€ 53.30	¥ 506.70	LED4C Source Adapter, SM2 Thread to Leica Mount
LED4A3	\$ 60.00	£ 41.60	€ 53.30	¥ 506.70	LED4C Source Adapter, SM2 Thread to Nikon Eclipse
LED4A4	\$ 60.00	£ 41.60	€ 53.30	¥ 506.70	LED4C Source Adapter, SM2 Thread to Zeiss Mount