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4-Wavelength High-Power LED Sources (Page 1 of 2)

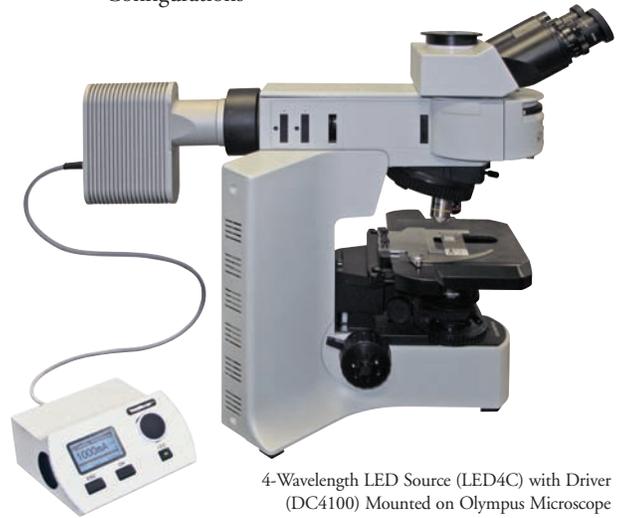


LED4C Series
4-Wavelength LED Source

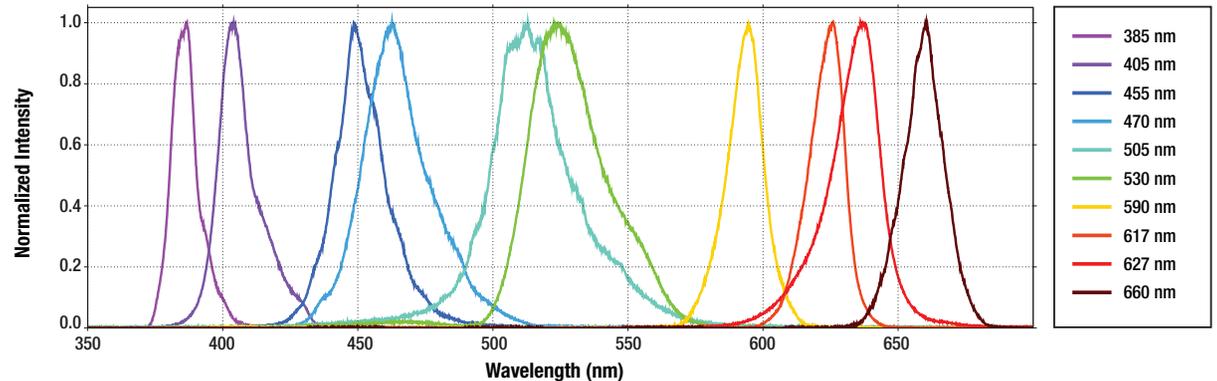
Thorlabs' 4-Wavelength customizable LED Source combines four user-chosen LED beams into a single collimated emission beam (see chart on next page for available combinations). Together with the DC4100 4-Channel Driver presented on page 1328, the LED4C provides a versatile light source with rapid switching 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 next page.

Features

- Rapid Switching and Intensity Adjustments via LED Current Settings
- Compatible with DC4100 Driver (See Page 1328)
- Light Port Adapters Available for Most Commercial Microscopes
- ± 0.1 nm Wavelength Stability, $\pm 1.5\%$ Power Stability
- Ten Available Wavelengths with 46 Available Configurations



4-Wavelength LED Source (LED4C) with Driver (DC4100) Mounted on Olympus Microscope



Available Wavelengths for 4-Wavelength LED Source

COLOR	CENTER WAVELENGTH	SPECTRAL RANGE	POWER	LIFETIME
UV	385 nm	380 – 390 nm	10 mW	>100,000 Hours
UV	405 nm	400 – 405 nm	130 mW	
Royal Blue	455 nm	440 – 460 nm	40 mW	
Blue	470 nm	460 – 490 nm	25 mW	
Cyan	505 nm	490 – 520 nm	20 mW	
Green	530 nm	520 – 550 nm	15 mW	
Amber	590 nm	584.5 – 597 nm	25 mW	
Orange	617 nm	613.5 – 620.5 nm	30 mW	
Red	627 nm	620.5 – 645 nm	40 mW	
Deep Red	660 nm	658 – 670 nm	10 mW	

4-Wavelength High-Power LED Sources (Page 2 of 2)

Make-to-Order 4-Wavelength Combinations

ITEM #	385 nm	405 nm	455 nm	470 nm	505 nm	530 nm	590 nm	617 nm	627 nm	660 nm
LED4C01	✓		✓			✓	✓			
LED4C02	✓			✓		✓	✓			
LED4C03	✓		✓				✓	✓		
LED4C04	✓			✓			✓	✓		
LED4C05	✓		✓				✓		✓	
LED4C06	✓			✓			✓		✓	
LED4C07	✓		✓				✓			✓
LED4C08	✓			✓			✓			✓
LED4C09	✓		✓					✓		✓
LED4C10	✓			✓				✓		✓
LED4C11	✓				✓		✓	✓		
LED4C12	✓				✓		✓		✓	
LED4C13	✓				✓		✓			✓
LED4C14	✓				✓			✓		✓
LED4C15	✓					✓	✓	✓		
LED4C16	✓					✓	✓		✓	
LED4C17	✓					✓	✓			✓
LED4C18	✓					✓		✓		✓
LED4C19		✓	✓			✓	✓			
LED4C20		✓		✓		✓	✓			
LED4C21		✓	✓				✓	✓		
LED4C22		✓		✓			✓	✓		
LED4C23		✓	✓				✓		✓	
LED4C24		✓		✓			✓		✓	
LED4C25		✓	✓				✓			✓
LED4C26		✓		✓			✓			✓
LED4C27		✓	✓					✓		✓
LED4C28		✓		✓				✓		✓
LED4C29		✓			✓		✓	✓		
LED4C30		✓			✓		✓		✓	
LED4C31		✓			✓		✓			✓
LED4C32		✓			✓			✓		✓
LED4C33		✓				✓	✓	✓		
LED4C34		✓				✓	✓		✓	
LED4C35		✓				✓	✓			✓
LED4C36		✓				✓		✓		✓
LED4C37			✓			✓	✓	✓		
LED4C38			✓			✓	✓		✓	
LED4C39			✓			✓	✓			✓
LED4C40			✓			✓		✓		✓
LED4C41				✓		✓	✓	✓		
LED4C42				✓		✓	✓		✓	
LED4C43				✓		✓	✓			✓
LED4C44				✓		✓		✓		✓
LED4C45					✓		✓	✓		✓
LED4C46						✓	✓	✓		✓

Choose a Make-to-Order Combination Above

ITEM #	\$	£	€	RMB	DESCRIPTION
LED4Cxx	\$ 2,495.00	£ 1,796.40	€ 2,170.65	¥ 19,885.15	4-Color LED Head, Source*

*Price includes the cost of the 4 LEDs. Not all combinations are possible. Please speak to a technical support representative for details.

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 common commercially available microscopes.



ITEM #	\$	£	€	RMB	DESCRIPTION
SM2A13	\$ 88.00	£ 63.36	€ 76.56	¥ 701.36	LED4C Source Adapter, SM2 Thread to Olympus IX or BX
SM2A14	\$ 88.00	£ 63.36	€ 76.56	¥ 701.36	LED4C Source Adapter, SM2 Thread to Leica DMI
SM2A15	\$ 88.00	£ 63.36	€ 76.56	¥ 701.36	LED4C Source Adapter, SM2 Thread to Nikon Eclipse (Without Spring)
SM2A16	\$ 88.00	£ 63.36	€ 76.56	¥ 701.36	LED4C Source Adapter, SM2 Thread to Zeiss Axioscop
SM2A17	\$ 101.12	£ 72.81	€ 87.97	¥ 805.93	LED4C Source Adapter, SM2 Thread to Nikon Eclipse Ti (With Spring)