



Product Name	ZIVA Light Engine	CELESTA Light Engine	SPECTRA Light Engine	SPECTRA X Light Engine	AURA Light Engine	
Color-Selective and Laser Product Snapshot	7 independent lasers	7 independent lasers	8 independent outputs with bandpass filters	7 independent outputs with exchangeable bandpass filters	5 independent outputs with bandpass filters	
	Optimized for SIM and other super-resolution techniques	For spinning disk confocal, wide field, and single-molecule localization microscopy	For research and OEM applications	For research and OEM applications	DAPI/FITC/TRITC/Cy5/Cy7	
	100 mW/color from a 100 μ m dia. fiber	800 mW/ color from a 400 μ m or 1.5 mm dia. fiber	500 mW/ color from a 3 mm dia. LLG	50-500 mW/ color from a 3 mm dia. LLG	200-500 mW/ color from a 3 mm dia. LLG	
Light Output	White	✓	✓	✓	✓	
	Multi Color	✓	✓	✓	✓	
	UV Option	✓	✓	✓	✓	
	N Option	✓	✓	✓	✓	
Control	Lumencor GUI	✓	✓	✓	✓	
	Control Pod	✓	✓	✓	✓	
	Software	✓	✓	✓	✓	
Speed of On/Off Operation	Manual- 1 Hz					
	Electronic to 1,000 Hz	✓	✓	✓	✓	
Optical Coupler	Liquid Light Guide (LLG)		✓	✓	✓	
	Optical Fiber	✓	✓	✓	✓	
Size	W x L x H	145 mm x 340 mm x 203 mm	145 mm x 340 mm x 203 mm	145 mm x 340 mm x 203 mm	280 mm x 190 mm x 100 mm	125 mm x 263 mm x 163 mm
	Weight	8.7 kg	8.7 kg	8.7 kg	4.5 kg	6.2 kg
Warranty	Months	24	24	24	24	24



SOLA Light Engine

Product Name	SOLA	SOLA FISH	SOLA U-N or SOLA V-N	LIDA Light Engine	PEKA Light Engine	
Color-Selective and Laser Product Snapshot	White light	White light	White light	White light and RGB	White light and RGB	
	Fluorescence microscopy	Fluorescence microscopy	Fluorescence microscopy	Transmitted light microscopy	Transmitted light microscopy	
	3400 W from a 3 mm LLG	Spectral distribution optimized for FISH probe excitation, 3800 W from a 3 mm LLG	4600 W of output power with 3 mm LLG	Color imaging with a monochrome cameras	Tungsten-halogen lamp replacement	
Light Output	White	✓	✓	✓	✓	
	Multi Color			✓		
	U Option	✓	✓	U-N		
	N Option			✓		
Control	Manual	✓	✓	✓	✓	
	Lumencor GUI	✓	✓	✓		
	Control Pod	✓	✓	✓	✓	
	Software	✓	✓	✓	✓	
Speed of On/Off Operation	Manual- 1 Hz	✓	✓	✓	✓	
	Up to 1,000 Hz	✓	✓	✓		
Optical Coupler	Direct Mount No Fan			✓	✓	
	Liquid Light Guide (LLG)	✓	✓	✓		
Size	W x L x H	125 mm x 263 mm x 163 mm	125 mm x 263 mm x 163 mm	125 mm x 263 mm x 163 mm	90 mm x 150 mm x 110 mm	90 mm x 150 mm x 110 mm
	Weight	3.6 kg	3.6 kg	3.6 kg	1.5 kg	1.5 kg
Warranty	Months	24	24	24	24	

Notes

- Warranty coverage starts on the date of shipment from Lumencor.
- Lumencor Light Engines are manufactured in the USA under a certified ISO 9001 Quality Management System.
- Lumencor Light Engines are Mercury-Free and meet REACH, RoHS, and CE requirements. They are also TÜV SÜD America CB and NRTL safety certified.
- End user and OEM customization are available upon request.