

Labsphere Light Measurement Systems

Comparison Chart

	Photopic (Visible Spectrum)							UV-VIS-NIR Spectrum														
Features	Handheld	PLMS, Small System		PLMS, Medium Systems		PLMS, Large Systems			LED Analyzer	LED Test Station	SLMS, Small System		SLMS, Medium Systems		SLMS, Large Systems			SLMS LED, Medium Systems		SLMS LED, Large Systems		
Model	HLMS-200P	PLMS 0400	PLMS 1000	PLMS 2000	PLMS 4000	PLMS 6500	PLMS 7600	LED-1100	OmniLED III	SLMS 04XX	SLMS 10XX	SLMS 20XX	SLMS 40XX	SLMS 65XX	SLMS 76XX	SLMS LED 1050	SLMS LED 2050	SLMS LED 4050	SLMS LED 6550	SLMS LED 7650		
Max Size for DUT	n/a	1cm ²	1 in ³ or 6 inch linear or 2-in projection	2 in ³ or 14 inch linear or 2-in projection	4 in ³ or 27 inch linear or 2-in projection	7 in ³ or 45 inch linear or 2-in projection	8 in ³ or 50 inch linear or 2-in projection	single packaged LED	single packaged LED	single lamps and packaged LEDs	1 in ³ or 6 inch linear or 2-in projection	2 in ³ or 14 inch linear or 2-in projection	4 in ³ or 27 inch linear or 2-in projection	7 in ³ or 45 inch linear or 2-in projection	8 in ³ or 50 inch linear or 2-in projection	1 in ³ or 6 inch linear or 2-in projection	2 in ³ or 14 inch linear or 2-in projection	4 in ³ or 27 inch linear or 2-in projection	7 in ³ or 45 inch linear or 2-in projection	8 in ³ or 50 inch linear or 2-in projection		
Measurement	Luminous Flux	Total Luminous Flux, Forward Flux	Total Luminous Flux, Forward Flux	Total Luminous Flux, Forward Flux	Total Luminous Flux, Forward Flux	Total Luminous Flux, Forward Flux	Total Luminous Flux, Forward Flux	Spectral Intensity, Spatial Distribution	Total Spectral Flux, Spectral Intensity	Total Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux	Total Spectral Flux, Forward Spectral Flux		
Parameters (units)	lumen	lumen	lumen	lumen	lumen	lumen	lumen	mW/sr-nm, mW/sr, mcd, x, y, CCT, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, mW/sr, mcd, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	W/nm, lm/nm, watt, lumen, x, y, CCT, CRI, dominant wavelength, peak wavelength, FWHM, purity, center wavelength, centroid wavelength	
Range	0.05 - 7000 lm	visible	visible	visible	visible	visible	visible	350 - 1050 nm	350 - 990 nm	SLMS 0411: 390 - 760 nm SLMS 0421: 350 - 1050 nm	SLMS 1011: 390 - 760 nm SLMS 1021: 350 - 1050 nm	SLMS 2011: 390 - 760 nm SLMS 2021: 350 - 1050 nm	SLMS 4011: 390 - 760 nm SLMS 4021: 350 - 1050 nm	SLMS 6511: 390 - 760 nm SLMS 6521: 350 - 1050 nm	SLMS 7611: 390 - 760 nm SLMS 7621: 350 - 1050 nm	350 - 850 nm, 250 nm	350 - 850 nm, 250 nm	350 - 850 nm, 250 nm	350 - 850 nm, 250 nm	350 - 850 nm, 250 nm	350 - 850 nm, 250 nm	
Detector	CIE Photopic Observer Corrected Silicon Photodiode	CIE Photopic Observer Corrected Silicon Photodiode	CIE Photopic Observer Corrected Silicon Photodiode	CIE Photopic Observer Corrected Silicon Photodiode	CIE Photopic Observer Corrected Silicon Photodiode	CIE Photopic Observer Corrected Silicon Photodiode	CIE Photopic Observer Corrected Silicon Photodiode	CCD spectrometer and Si photodiode	CCD Spectrometer	Photodiode Array Spectrometer	Photodiode Array Spectrometer	Photodiode Array Spectrometer	Photodiode Array Spectrometer	Photodiode Array Spectrometer	Photodiode Array Spectrometer	CCD Spectrometer	CCD Spectrometer	CCD Spectrometer	CCD Spectrometer	CCD Spectrometer		
Maximum Radiometric Range	n/a	15 W	100 W	400 W	1500 W	4000 W	5000 W	1 - 100 mW/sr		15 W	100 W	400 W	1500 W	4000 W	5000 W	100 W	400 W	1500 W	4000 W	5000 W		
Photometric Range	0.05 - 7000 lm		0.6 lm - 2000 lm	2 - 6500 lm	10 - 30000 lm	20 - 70000 lm	30 - 100000 lm	0.1 - 10000 mcd	1 - 2500 mcd	0.1 - 300 lm	600 - 2000 lm	2 - 6500 lm	10 - 30000 lm	20 - 70000 lm	30 lm - 100 km	0.4 - 13000 lm	0.6 - 18000 lm	2 - 72500 lm	6 - 200000 lm	.08 - 260000 lm		
Systems Include	n/a	Light Measurement Sphere, Photopic Detector Assembly, Radiometer/Photometer, Lamp Standard of Luminous Flux, Lamp Socket Assembly, Lamp Power Supply, Cables	Light Measurement Sphere, Photopic Detector Assembly, Radiometer/Photometer, Lamp Standard of Luminous Flux, Lamp Socket Assembly, Lamp Power Supply, Cables	Light Measurement Sphere, Photopic Detector Assembly, Radiometer/Photometer, Lamp Standard of Luminous Flux, Lamp Socket Assembly, Lamp Power Supply, Cables	Light Measurement Sphere, Photopic Detector Assembly, Radiometer/Photometer, Lamp Standard of Luminous Flux, Lamp Socket Assembly, Lamp Power Supply, Cables	Light Measurement Sphere, Photopic Detector Assembly, Radiometer/Photometer, Lamp Standard of Luminous Flux, Lamp Socket Assembly, Lamp Power Supply, Cables	Light Measurement Sphere, Photopic Detector Assembly, Radiometer/Photometer, Lamp Standard of Luminous Flux, Lamp Socket Assembly, Lamp Power Supply, Cables	Instrument, LED socket and Software	Flux Head, Intensity Heads, Calibration Source, Enclosure with Spectrograph, Source Meter, OmniCalc Software	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	Light Measurement Sphere, Spectrometry, Spectrally Calibrated Lamp, Lamp Socket Assembly, Lamp Power Supply	

