

illumia[®]lite Portable Light Measurement System

Complete spectral flux analysis in the palm of your hand



Reliable and affordable

LED manufacturers and luminaire designers require a quick, portable device for complete spectral flux analysis. Reliable measurements of small LEDs, fiber outputs, and other small sources has usually meant compromising on accuracy or speed. As the leader in the light measurement field, Labsphere has designed a sphere-based portable solution including self-absorption correction that is both reliable and affordable.

Value

- 4 cm integrating sphere spectral light measurement system
- NIST traceable measurements of LEDs and other sources up to 1 cm
- Dark correction capability via software
- Self-absorption correction via built-in auxiliary lamp
- Device calibration capability
- Handheld portable size and weight
- Ergonomic design with “point and shoot” trigger feature
- USB connection to computer with easy to use software

Physical Specifications

Sphere Diameter:	4 cm
Sphere Entrance Port:	1 cm
Diffuse Coating:	Spectrafect®
Head:	Aluminum
Body:	Urethane
Software:	MtrX-SPEC
Weight:	0.45 kg
Dimensions:	240 mm x 61 mm

Electrical Specifications

Power Requirements:	6VDC/2.5W
Power Source:	6V Li-metal battery
Aux Lamp:	1.2W Incandescent
Communication:	USB

Performance Specifications

Wavelength Range:	380 - 820 nm
Wavelength Resolution:	< 5 nm
Wavelength Accuracy:	1 nm
Luminous Flux Range:	0.1 - 5000 lumens (for LEDs) 1 - 354 lumens (QTH lamps)
Luminous Flux Accuracy:	3.9% at K=2

Environmental Specifications

Operating Temperature:	0°C - 40°C
Storage Temperature:	-10°C - 50°C
Humidity:	0 - 90% non-condensing

