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

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### Physical Specifications
- Sphere Diameter: 4 cm
- Sphere Entrance Port: 1 cm
- Diffuse Coating: Spectraflect®
- 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