Lighting Passport Standard Pro
Model Number: VL LPSP

Features:

▸ World's First Smart Spectrometer

▸ Lightweight and Powerful

▸ Remote data acquisition

▸ Precise measurements

▸ Smart Devices Compatibility (Apple, Android)

▸ PC Analysis Software Support

Applications:

▸ Construction Industry

▸ Industrial Processes

▸ Agriculture

▸ Media and Entertainment Industry

Technical Specifications

Size (W x H x D)	68.5mm x 56mm x 17mm
Weight	76.5g
Wavelenght Range	380 - 780nm
Illuminance Range	Measurable: 5 - 50,000lux / Reliable Chromaticity: 50 - 50,000lux
Output Wavelenght Pitch	1nm
Optical Resolution (FWHM)	8nm
Repeatability (2σ)	x,y: <0.001
Accuracy (@1,000lux sandard light source)	x,y ±0.002 / CCT ±2% / Illuminance ±3%
Integration Time	6ms - 16s
Operating Temperature / Humidity Range	0°C ~ +35°C, relative humidity under 80% with no condensation
Storage Temperature / Humidity Range	-10°C ~ +45°C, relative humidity of 85% or less (@ 35°C) with no condensation
Accessory	Adapter, Charger (Protective bag, Stand optional)
Control System	iOS (iPhone 4S and newer) / Android (Android 4.4.2 and newer with BLE BT4.0)
Display Screen	Smart devices' HD color screen
Language	English, German, French, Russian, Italian, Chinese, Japanese, Finnish (2017)
Calibration and Battery Replacement	Please Contact the Distributor

Pro Features

Flicker Sensor (±5% Accuracy): Flicker Frequency (5-200Hz), Flicker Percentage, Flicker Index / Temperature and Relative Humidity Sensor / Enhaced Battery Duration (Extra 20% Power Capacity) and Low Battery Alert / USB and Bluetooth Connectivity (via PC SDK) / "Precision Mode" for Better Accuracy / PC Control (Use a PC to take measurements) / Social Media Integration

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Measurement Capability

CCT, Duv, CIE 1931, CIE 1976, Spectrum Diagram, C78.377-2008, IEC-SDCM, CRI (Ra) (R1-R8), Re (R1-R15), R1-R15, CQS, TLCI (Qa), GAI, Illuminance, Foot Candle, PPFD (380~780 nm), Peak Wavelenght (λp), Dominant Wavelenght (λD), SP ratio, TM-30-15 (Rf, Rg & Diagram), Purity

Key Features

Photograph, Note, Data Filter & Comparison, Auto Connection, Auto Dark Calibration, WiFi Transfer, GPS, Smart Pass

Measurement

in mm