

# Lighting Passport Flagship

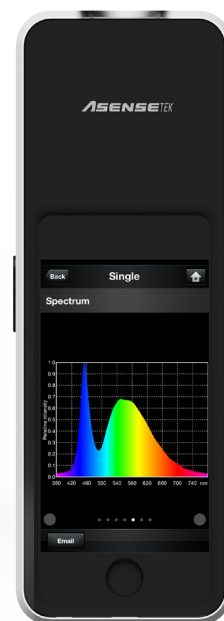
Model Number: VL LPF

## 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                                                                         |
| Wavelength Range                           | 380 - 780nm                                                                   |
| Illuminance Range                          | Measurable: 5 - 50,000lux / Reliable Chromaticity: 50 - 50,000lux             |
| Output Wavelength Pitch                    | 1nm                                                                           |
| Optical Resolution (FWHM)                  | 8nm                                                                           |
| Repeatability (2 $\sigma$ )                | x,y: <0.001                                                                   |
| Accuracy (@1,000lux standard light source) | x,y $\pm$ 0.002 / CCT $\pm$ 2% / Illuminance $\pm$ 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                                                |
| Flagship Feature                           | Include iPod Touch 5 in a metallic frame                                      |

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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), SP ratio, Purity, Peak Wavelength ( $\lambda_p$ ), Dominant Wavelength ( $\lambda_D$ ), SP ratio, Purity, TM-30-15 (Rf, Rg & Diagram)

## Key Features

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

## Measurement

in mm

