



next generation led

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Lighting Passport™ Pro



The world's first handheld smart spectrometer.

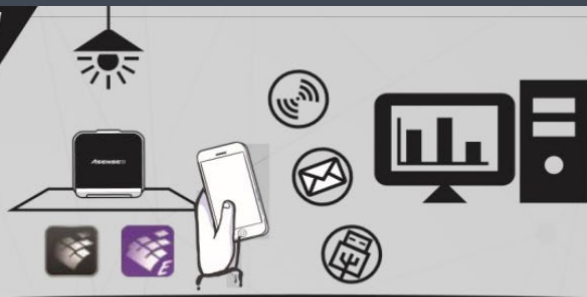
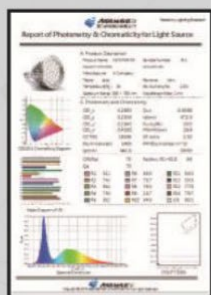


- Portable
- NIST
- Social Media ready
- Smart Pass
- PC Control

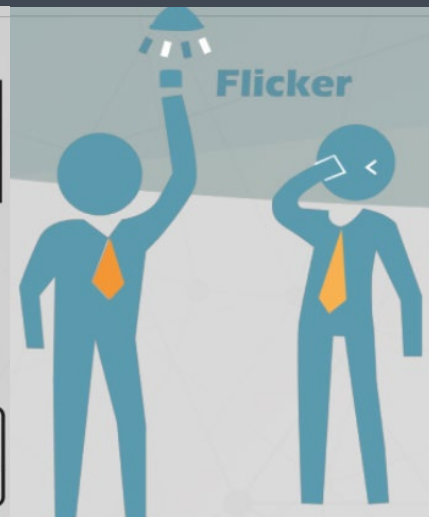
- Lighting Passport Pro has the most advanced technology with a control system perfectly integrated with smart devices. You can easily establish good and seamless communication with others and get access to lighting design, interior design, grow light, TV, film and photometry related markets in a smoother way than ever before.
- Comprehensive reports allows you to share and compare the measurement anytime, anywhere.
- The spectrum genius PC version allows users to do data analysis, project management, report printing and excel exporting.
- The receivers install our APPs on smart devices, open the .ast file with the APP and can easily review the data of the measurement.
- NIST traceable, verification and criterion, the output wavelength pitch is 1nm displayed with high-resolution in full color screen.
- Auto dark calibration, this advanced technology allows users to automatically re-calibrate the meter during boot ups.
- Social media integration, users can share measurement data via social media including: Twitter, Facebook/Messenger, WeChat, Line, WhatsApp, SMS and others.
- Applicable mobile devices: iOS devices like iPhone, iPod touch 5, iPad and all Android devices 4.4.2 and above version.

Updated: Jan 2017

Spectrum Genius Standard/ Advanced PC Software



- Practical and Convenient Functions*
- Data Filter
 - .CSV Output
 - Print Report
 - WiFi Transfer
 - PC Control

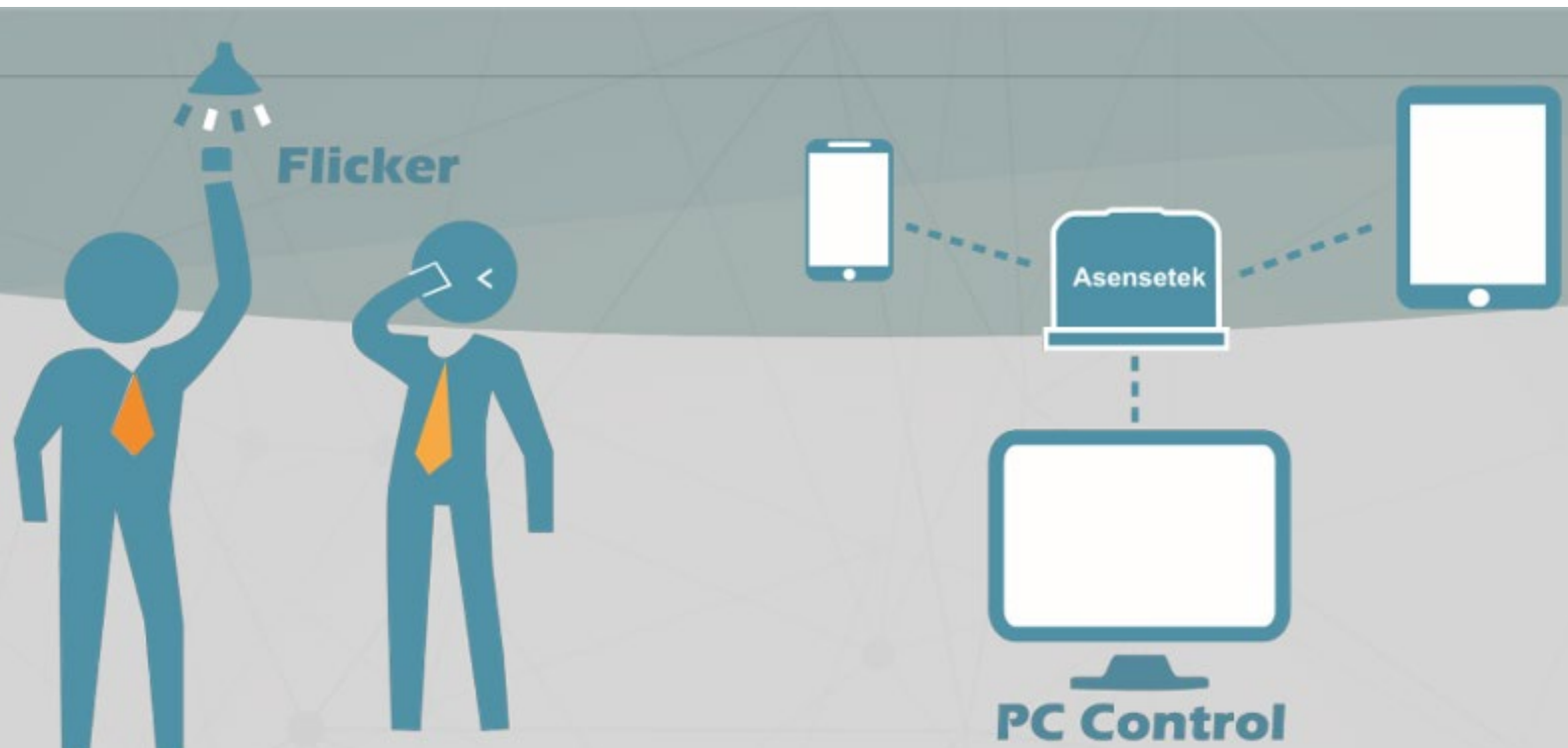


PC software

“Spectrum Genius Standard” and “Spectrum Genius Advanced” are PC softwares for operating professional data analysis on data taken by Lighting Passport Pro. They allow users to import multiple measurement results for further analysis, then output them into professional reports.

The Advanced version has a huge library of reference spectrums for users to benchmark with their imported measurement data.

Software Specification <small>*Essence model is without those items</small>		
Generic Analysis Projects (Standard/Advanced)	CIE x,y,u',v' CCT *Duv CRI (RA) (R1-R8) *Re (R1-R15) R1-R15 Radar/Bar Chart CQS Q1-Q15 TLCI (Qa) GAI Illuminance Foot Candle *PPFD	CIE 1931/1976 Diagram Peak Wavelength (λ_p) *Dominant Wavelength (λ_D) *Purity FWHM *SP ratio C78.377-2008 Diagram IEC-SDCM Diagram Spectrum Diagram Flicker Index Flicker Percentage Flicker Frequency *TM-30-15
Generic Key Features (Standard/Advanced)	PC control Measurement, Data Filter, CSV Output, DAT Output, Print Report, Automatically Record Temperature & Humidity, Precision Mode, GPS Orientation	
Additional Key Features (Advanced Only)	Multi CIE 1931 Display Multi CIE 1976 Display Multi Spectrums Display	Multi C78.377-2008 Display Multi IEC-SDCM Display Multi GPS Map Display
	Coordinates Display, Zoom In/Out, Normalized Spectrum, Light Source Benchmark, Print Report (Company's Logo)	
Language	Traditional Chinese, Simplified Chinese, English, German	



Specifications

Product type	Pro Essence	Pro Standard	Pro Flagship
Size	Width: 68,5mm Depth: 17mm Height: 56mm		Width: 68,5mm Depth: 17mm Height: 189mm (Includes iPod touch)
Net Weight	79 g ± 1g		214 g ± 1g
Wavelength Range	380 ~ 780 nm		
Illuminance Range	Measurable: 5 ~ 50000 lux Reliable Chromaticity: 100 ~ 50000 lux	Measurable: 5 ~ 50000 lux Reliable Chromaticity: 50 ~ 50000 lux	
Output Wavelength Pitch	1 nm		
Optical Resolution(FWHM)	10 nm	8 nm	
Repeatability (2σ)	* x, y: <0.001	* x, y: < 0.0005	
Accuracy (@1000 lux Standard Light Source)	x,y: ± 0.003 Illuminance: ± 5 % CCT: ± 3 %	x,y: ± 0.002 Illuminance: ± 3 % CCT: ± 2 %	
Flicker Measurement Capability	Range: 5 ~ 200 Hz Accuracy: ± 5 %		
Integration Time	6 ms ~ 16 s		
Operation Temperature/ Humidity Range	0 ~ 35 °C, relative humidity 80 % with no condensation		
Storage Temperature/ Humidity Range	-10 ~ 45 °C, relative humidity of 85 % or less (@ 35 °C) with no condensation		
APPs	SGE, SGT, SGAL, SGS	SGM, SGT, SGAL, SGS	

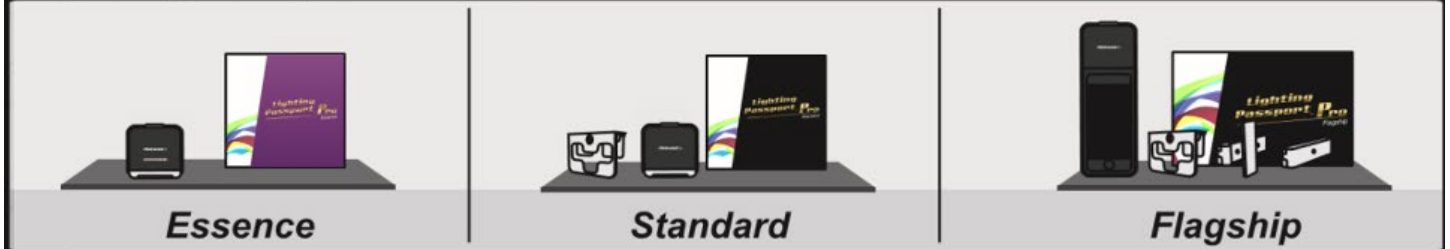
* In Precision Mode (@ 1000 lux Standard Light Source)

Lighting Passport™

The World's First Smart Spectrometer

Lighting Passport Product Collection

Lighting Passport Pro



Essence

Standard

Flagship

APP

				
Spectrum Genius Mobile	Spectrum Genius Essence	Spectrum Genius Transmittance	Spectrum Genius Agricultural Lighting	Spectrum Genius Studio
Lighting Manufacturing Lighting Designing Sales/ Promotion	Lighting Manufacturing Lighting Designing Sales/ Promotion	Industry about Transmittance. i.g. Glass / Filter / Membrane	Grow Light Manufacturing Plant Grow Plant Factory	TV Broadcasting Studio / Film

PC Software

	Spectrum Genius Standard		Spectrum Genius Advanced
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LIGHTING PASSPORT PRO

REFERENCE	MODEL	PRICE
900-0500	ASENSETEK LIGHTING PASSPORT PRO ESSENCE	€1200,00
900-0501	ASENSETEK LIGHTING PASSPORT PRO STANDARD	€2100,00
900-0502	ASENSETEK LIGHTING PASSPORT PRO FLAGSHIP	€2550,00

