



Measuring light  
has never been easier

**LabSpion**

**VISO**  
SYSTEMS

Patent pending











**Eliminate**  
need for a  
**dark room**

[www.visosystems.com](http://www.visosystems.com)

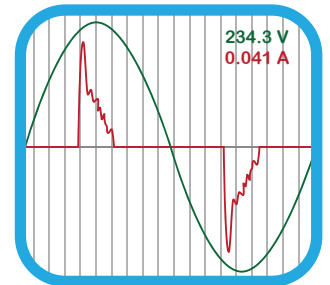
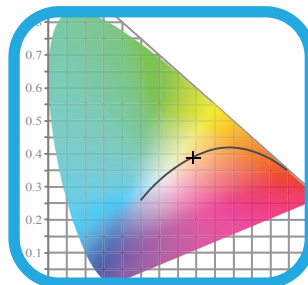
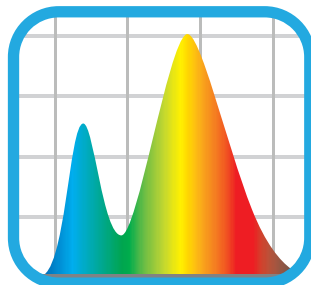
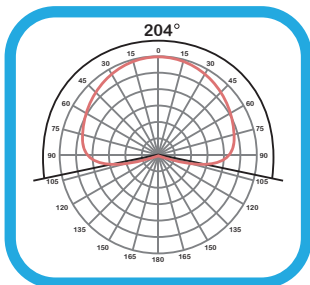


The LabSpion™ uses a directional spectrometer sensor which makes it possible to capture light measurements in room which is not dark. This means that, when you need to make measurements, you can utilize any space at your facility which is available.  
A dark backdrop behind the LabSpion is the only thing needed to make accurate measurements.

# Measure

-  Lumen
-  Peak candela
-  Colour temperature
-  CRI
-  Beam angle
-  Angular field distribution
-  Power
-  Power factor
-  Lumen per watt
-  Export: IES, LDT, PDF

The Viso LabSpion™ enables you to fully measure any light source quickly in one or more C-planes. Simply measure beam angle, lumen, CRI, colour temperature and lumen per watt with the need for expert knowledge. The system is comprised of a full spectra spectrometry sensor and a built-in 70K/sec sample power analyser in order to give you a truly professional light measurement.



## Specifications:

Maximum light source dimensions: 1,5m at 2 axis (1 axis 6m)  
 Maximum fixture weight: 20 Kg at 2 axis (1 axis 40 kg)  
 Sensor distance: 0.5 - 50m  
 Intergrated laser for sensor distance  
 Maximum light source power:  
 3Amp (660W@220V,330W@110V)  
 Measures: Lumen, Peak candela, CRI, R1-R15,  
 Colour Temperature, Lumen/Watt, power  
 and Power Factor.  
 Wide lumen range: 10 lm to 1.000.000lm  
 Maximum lightsource size: 80mm (diameter)  
 Goniometer resolution: 51200 steps / 360 degree  
 Spectrometer: Ibsen Photonics custom FREEDOM  
 (high sensitive transmission grating)  
 Spectral range: 360-830nm (1024 pixels) SONY ILX511B  
 Pre-calibrated plug & play solution  
 Lumen accuracy: < 4%  
 Viso Light Inspector software is included with LabSpion  
 Compatible with: Windows 2000, XP, 7 32bit - 64bit  
 Save or email any measurements  
 Export to: IES, LDT, PDF, Excel  
 Detailed power analysis with power scope  
 Detailed veiw of R1-R15 values  
 Automatic light gain control  
 Attach one or more pictures to your measurements  
 Use web-cam to snap picture as quick reference  
 Selectable resolution of 90, 180 or 360 scans per 360 degree

LabSpion 2 axis  
 goniometer, integrated  
 power analyser and gonio  
 drivers. Only connect  
 power and USB.

Spectrometer sensor  
 with integrated laser  
 to measure distance  
 to light source.  
 Easy connect using  
 standard RJ45 CAT 5  
 cable.



Mounting bracket  
 for multiple types  
 of lighting sources  
 and fixtures.