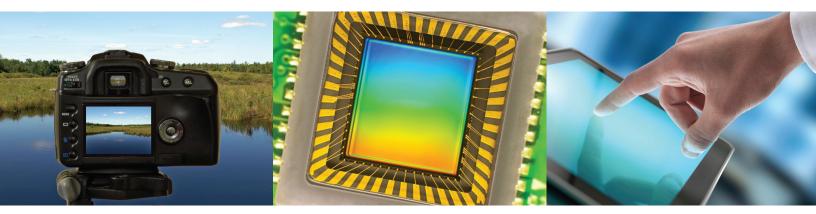
# SpectrALL Tunable Spectral Calibration Sources



Continuous improvement in imaging and sensing sensors demands ever better calibration tools. More and more businesses rely on modern measurement practices to be competitive and outstanding. We provide the knowledge, reliable equipment and services to empower your company for success today and into the future.



**MEASURE** any light source

**CREATE** any spectrum

**REFLECT** any wavelength

### **Spectra-PT Power Tunable** Spectral Calibration Sources

High dynamic range test and calibration of imaging and non-imaging devices

#### Types of test

Luminance Responsivity

Image Validation and Correction

Uniformity

Flat Fielding

Variable CCT

Labsphere



Electronic imaging devices

Medical endoscopes

Ambient light sensors

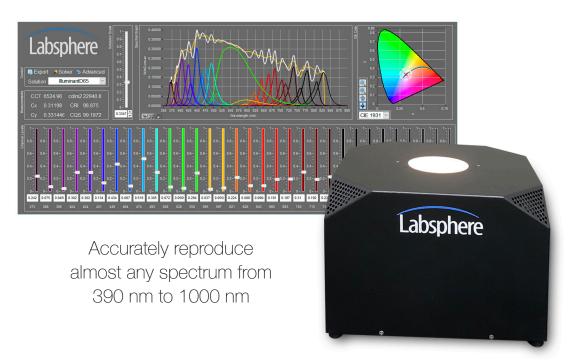
Security cameras

### **Spectra-CT Color Tunable** LED Spectral Calibration Sources





# Spectra-FT Fine Tunable VIS-NIR Spectral Calibration Sources



Correct vignetting and aberrations inherent with fisheye lensed imaging systems

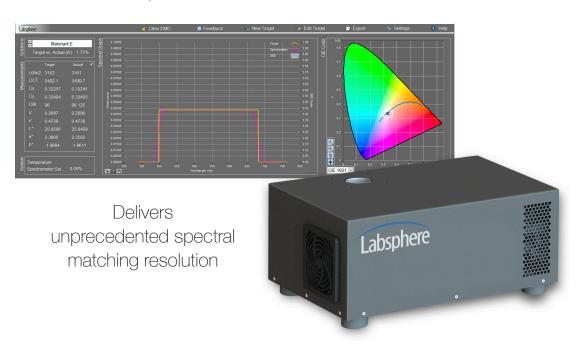
Perform color balance over a wide range of spectral responses

Save time and space with RGB and multiple integrated illuminant spectrums from one source

Streamline quantum efficiency testing with compact robust designs featuring no moving parts

Shorten time between R&D and production with multiple design configurations, adaptable firmware and triggering

### **Spectra-UT Ultra Tunable** Spectral Calibration Sources



Unmatched programmable high resolution spectral outputs

Unlimited spectral reproduction over the visible range

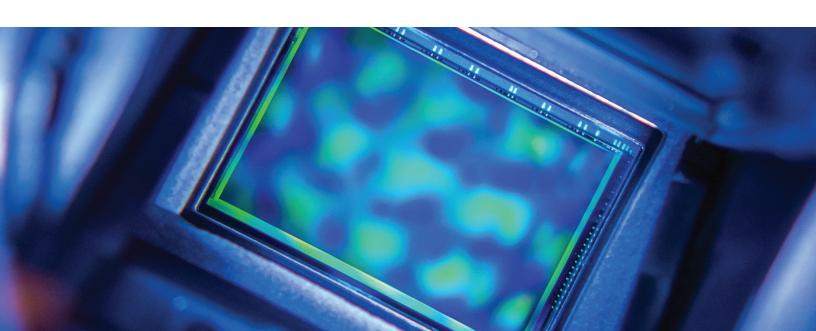
Accurately simulated OLED, MicroLED and LED displays

Simulate RGB and broadband backlighting

Reproduce indoor lighting conditions

Spectrally pure, avoid channel cross talk in multicoloring imaging

Traceable calibrations with integrated QTH calibration lamp and spectrometer





## Spectra-QT Quantum Tunable Irradiance/Radiance Calibration Source



7,00E-05

Radiance with Snm bandpass

—irradiance at t/2 with Snm bandpass

6,00E-05

5,00E-05

4,00E-05

4,00E-05

2,00E-05

1,00E-05

1,00E-05

1,00E-05

0,00E+00

Radiance with Snm bandpass

6,00E-05

1,00E-05

0,00E-05

0,00E+00

Radiance with Snm bandpass

6,00E-05

1,00E-05

0,00E-05

0,00E+00

Radiance with Snm bandpass

6,00E-05

1,00E-05

Typical Maximum Spectral Irradiance/Radiance Levels

Characterize spectral responsivity and quantum efficiency of your image sensors and camera modules

Turnkey calibration systems to get your products to market faster, saving you time and effort

Ideal solution for testing optical sensors for quantum efficiency and linearity over a large dynamic range

Sensor performance is sensitive to f/#. Differentiate your products with the highest uniformity across the sensor over a broad range of f/#s

Results you can trust with real-time spectral output monitoring and NIST traceability

Software Development Kit for rapid development of user defined test protocols and source/sensor synchronization

#### Industries & Markets We Serve

Internationally recognized companies utilize our technology each and every day.

Learn how we can help your business today.



