SpecWin Pro

Spectral Analysis Software

Product highlights

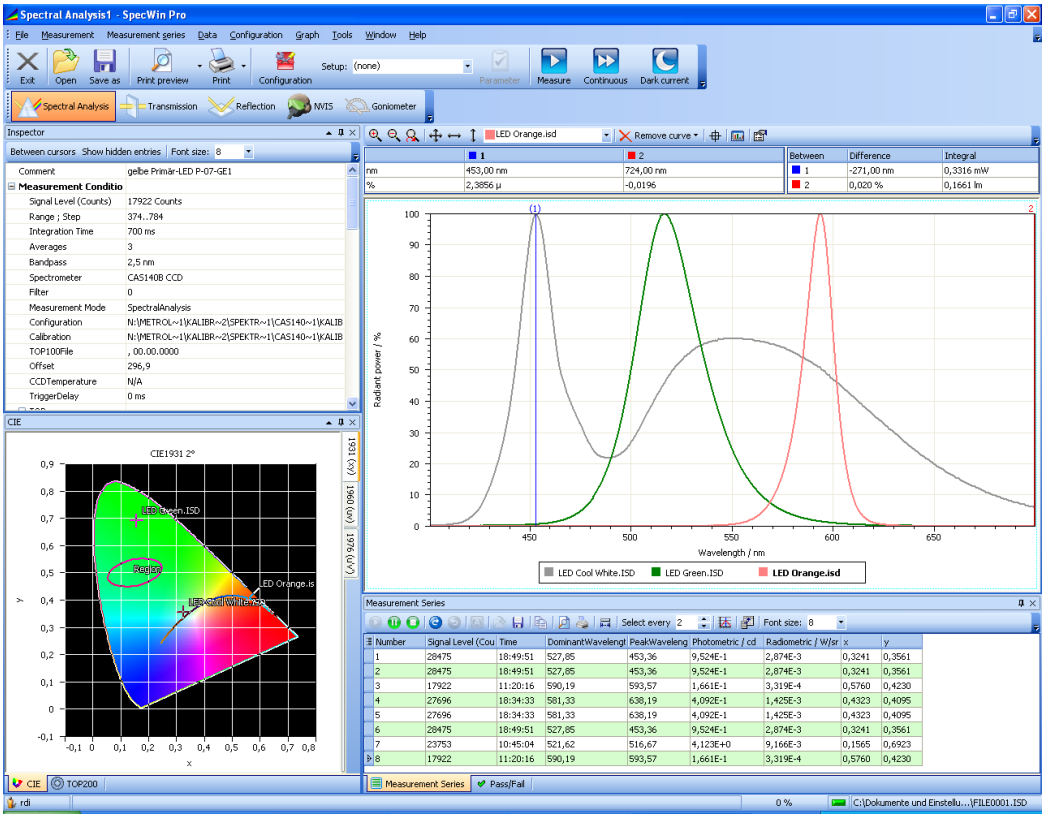
- Highly flexible software for all spectrometer systems
- Integrated control for goniometer measurements
- Control of AC/DC current sources and source meter units
- Supports temperature measurement and control

The spectral analysis Software SpecWin Pro allows an easy configuration and calculates automatically all optical parameters from the measured spectra. It offers a comfortable user interface by featuring separate application windows for each measurement mode.

SpecWin Pro supports the Instrument Systems' spectrometers MAS 40, CAS 120, CAS 140B/CT and SPECTRO 320(D) series. Customer-owned devices can be integrated easily by using the Basic IDE module.

The software is available in English, German, Japanese as well as in traditional and simplified Chinese. Furthermore, its appearance can be customized with the aid of Dock Windows.

Instrument Systems
KONICA MINOLTA Group



Report

Predefined reports in all measurement modes are available for the documentation of all relevant parameters, results and graphs. A Report Builder exists for individually customized report layouts.

SuperUserMode

Password restricted access to parameter settings and configurations.

Sourcemeter Module

A seamless integration of Keithley Sourcemeters 2400 and 2600 series is possible. In addition, a great variety of AC- and DC-source for LEDs and SSL are available.

Self-Absorption Correction Wizard

Fully integrated assistant for self-absorption correction for luminous flux measurements with integrating spheres.

TOP 200

- USB camera picture for precise and comfort-table positioning of the measurement spot and for documentation.
- Setup for TOP 200 USB camera parameters.
- Settings for TOP 200 measurements in the parameter dialogue including spot size / field of view information.

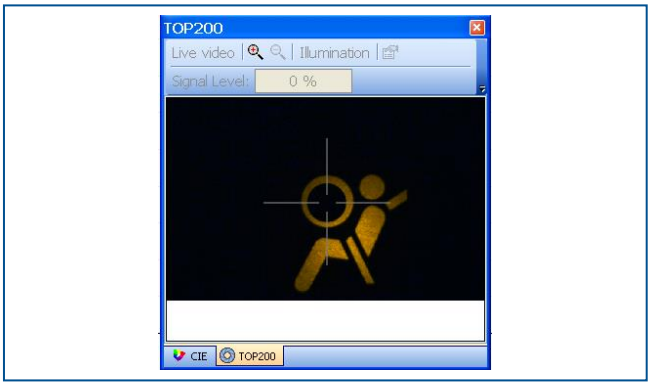
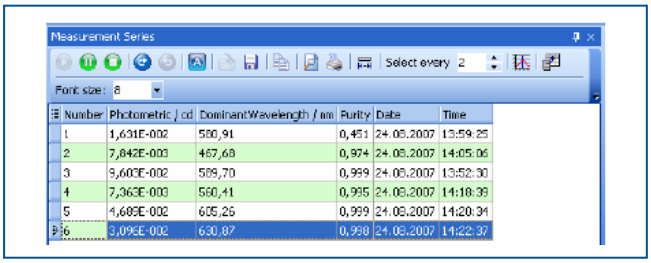


Image of the TOP 200 view-finder camera

Measurement Tables

Easy configuration of customized tables by choosing from a complete list of all measurement parameters, conditions and results, including values from Keithley sourcemeters and Pass/Fail results. Table can be saved as MS Excel file.



Customized table of measurement result

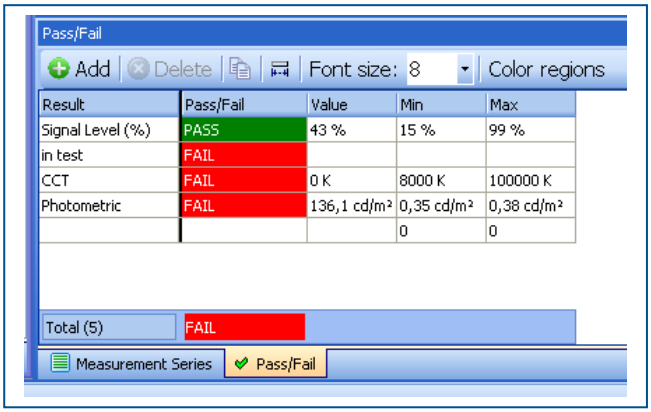
Pass/Fail

Comfortable monitoring of measurement conditions and results by

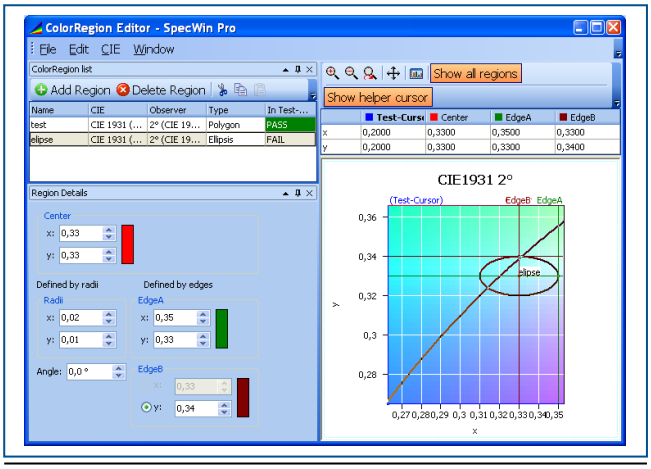
a) defining min and max barriers for all parameters or

b) creating color regions of interest as polygons or ellipses.

These color regions can be displayed in the gamut chart. Pass/Fail results may be included in the measurement series table



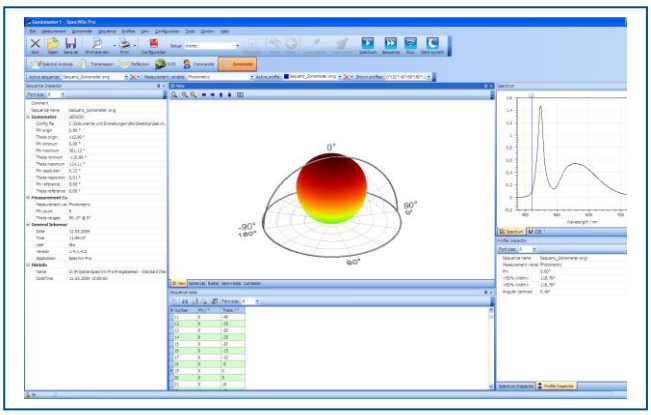
Pass / Fail Control



Definition of color regions

Goniometer Module

Enables the determination of angle dependent radiation characteristics of LEDs and other light sources. The resulting spatial radiation pattern can be displayed in a three-dimensional chart.



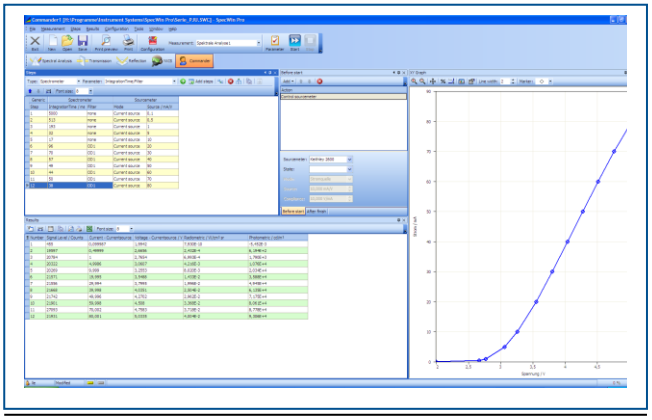
3D-chart of the spatial radiation pattern

DTS Module

The DTS module is used to perform automated display and light measurements, particularly for determining viewing angle-dependent properties and spatial homogeneity of displays, LED modules and panel graphics.

Commander Module

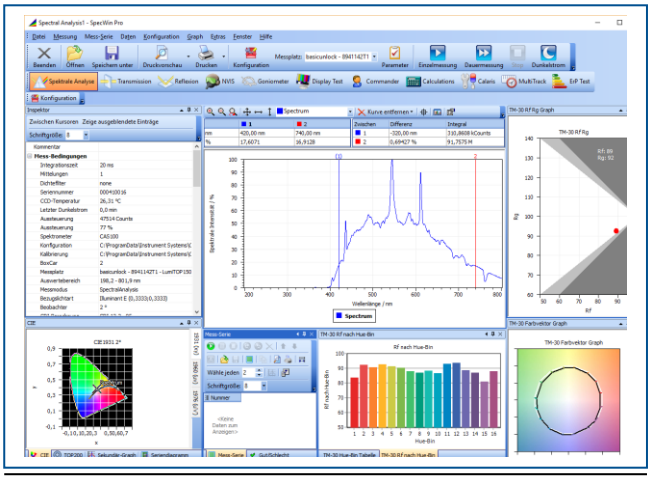
The Commander module is used for the definition of automated measurement sequences in all measurement modes. All possible parameters of a test set-up can be selected and are then executed automatically step by step. Also the generation of current and voltage series with Keithley sourcemeters is possible.



Voltage measurement sequence in the Comander module

IES TM-30-15

SpecWin Pro supports evaluations according to the latest light source color rendition method TM-30-15. The result of a TM-30 calculation is the color Fidelity Index (R_F) and the Gamut Index (R_G). R_F represents the color rendering of the light source by evaluating 99 color samples. The Gamut R_G describes the saturation of the color. Numerous graphical representations of the test results like color vector graph and R_F by Hue Bin are available.



Color measurement according to IES TM-30-15

Zhaga measurement

SpecWin Pro supports automated evaluations for goniophotometric measurement results according to Zhaga standards for SSL luminaires.

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