



ISO 3664 ASSESSMENT

Powered by Innovation

GL OPTIC is the brand name of JUST Normlicht GmbH Germany the worlds' leading supplier of standardized light solutions for printing and graphic arts industries. For more than 30 years JUST has been developing the innovative solutions which are of the highest quality in standardized viewing conditions. Since 2009 under the brand of GLOPTIC, JUST is developing and distributing a complete product line of precise spectral light measuring devices.

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GL SPECTIS 1.0

The right tool for light assessment according to ISO 3664.

Introducing new GL SPECTIS 1.0 for light measurements according to the ISO 3664 standard. This high-quality, easy to use device gives you everything you need for reliable light measurement.

Check out the unique capabilities of the GL SPECTIS 1.0.

GL SPECTIS 1.0 is a practical and reliable measuring device. It is ready to work immediately after connection to your PC. No extra power supply is required. Thanks to its high sensitivity and accuracy it is the ideal solution in light measurement.

Precise Light Measuring Technology in a handy size.

The GL SPECTIS 1.0 is a measuring instrument suitable for the final assessment of lamps as well as for the testing of complete lighting installations. It is a very good instrument that is designed for the measurement of Fluorescent light, LED light and others. Unlike popular mass-produced devices the GL SPECTIS 1.0 is delivered spectrally calibrated in price and guarantees the highest measurement stability and repeatability.

The GL SPECTIS 1.0 optical system uses a miniature collimating lens with Nano-imprint of diffraction lines and a CMOS image sensor working in the range of 340-750nm. This is a miniature, low stray light system that provides 1.7nm data acquisition intervals which is ideal for the measurement of standardized light installations.

The electronic board ensures the proper speed of data transfer and a very low noise ratio. There is a temperature sensor installed on the board that monitors the change in ambient temperature and its influence on the measurement stability.



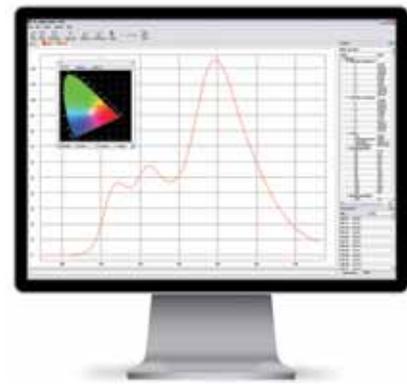
Light measurement solutions

SOFTWARE

GL SPECTROSOFT

GL SPECTROSOFT is a helpful tool for laboratory applications as well as for field work in production quality control and for general light assessment purposes. The software interface gives the user quick access to useful information and functions. It includes the calculation of tri stimulus values for the specification of the light source color according to CIE standards. CCT, Chromaticity error, color peak, color dominant, CRI (CIE 13.3) and metamerism index (CIE 51.2). Additionally the measurement procedure according to ISO 3664 for the assessment of the light viewing conditions is available.

- Absolute or relative measurements
- Flexible data interpretation
- Helpful tools for easy analysis and interpretation of measured spectra.



ISO 3664 ASSESSMENT MODE

This software option is a user-friendly, preconfigured mode for the assessment of the lighting installation according to ISO 3664. It features the option for illuminated areas $<1\text{m}^2$ and $>1\text{m}^2$ as required by the standard. The software directs you through the measurement procedure by indicating where the GL SPECTIS 1.0 should be placed allowing you to simply take 9 measurements in the specified areas. The pass/fail function will indicate which of the 9 areas meet the requirements of the ISO 3664 standard.

During the procedure the measurement values will appear in the chart. After the assessment is finished the calculated data is displayed on screen and you can create a printable report.



SPX DRIVER

All GL SPECTIS are delivered with driver software included free-of-charge. The software also features a measurement mode for complete measurements that provides the information in the native 1.7nm data as well as a simple graphical representation of the spectra. The SPX DRIVER software includes all of the necessary calculations for band-pass error correction, baseline level correction and the calculation procedure for the OSR (Optical Stray Light Reduction) system to determine and correct the influence of stray light on measured spectra.

GL SPECTIS 1.0 ACCESSORIES

GL OPTI PROBE

This display sensor is designed to be used with our GL SPECTIS 1.0 for luminance measurement of flat LCD and OLED panels, and plasma FPDs.

For more information contact:

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