

Just Normlicht@photokina 2012: World-Class Light Measuring Technologies

GL Optic offers Complete Product Range for Spectral Precision Light Measuring and is proud to be used in U.S. American NASA Project for growing Plants in Space

Weilheim-Teck/Germany, September 2012

Just Normlicht, a pioneer and leading manufacturer of devices for the visual evaluation of colors and surfaces for the graphic, photographic, textile and automobile industry, presents a spectrometer at photokina (Cologne, September 18th to 23rd, hall 4.1, booth Fo31), the GL SPECTIS 1.0 Touch for a spectral precision light measurement at highest level.

The innovative GL Optic Systems are used wherever ideal lighting is of high importance for the quality of the final product and where precise light measurement is essential towards the complete production. GL Optic offers unique solutions world-wide like the highly precise spectrophotometer GL SPECTIS 8.0. After launching the innovative products in spring, demand increased especially in the U.S.A., Germany and other European countries. Since drupa deliveries into the other world regions also have risen clearly.

#### Present and Future: NASA Project for growing Plants in Space

According to Michael Gall, General Manager at Just Normlicht, timing for his new measurement devices is ideal: »Use of LEDs in homes, offices, production halls and on the streets is continuously increasing. Demand is increasing to control this kind of lighting – on vendor's side, which need to make sure they deliver a product which meets the specific parameters requested, and also on the side of manufactureres coming from industries, in which lighting is a key factor for the high quality of the end product. They are found in production, where details are relevant and also for measurement of subject-specific lighting where the lighting needs to fulfill strict norms. GL Optic spectrometers were used in an U.S. American NASA project for growing plants in space. The usage of our devices in projects like these ensures their quality. Popularity of GL Optic products is growing,« says Michael Gall.

#### Background Information: Co-operation with famous polish physicist Jan Lalek

GL Optic's light measurement devices were developed in co-operation with Jan Lalek, polish physicist, and a leading specialist for light.

»To develop an affordable device for precise light measurement which can adapt to individual customer demands and requirements was our first task«, says Jan Lalek. »Although similiar devices were on the market, they were very expensive or performed poorly«. With Just Normlicht providing their professional products to very sophisticated customers for many years, they were in need for an easy-to-use, affordable device, capable of measuring light sources like LEDs with laboratory precision. The result was the introduction of a complete product range for precise spectral light measurement, the brand »GL Optic«.

#### Product Range

The wide range of products includes GL SPECTIS 1.0 – a precise and handy spectrometer for daily quality control of light sources making it an ideal device for measurement and quality evaluation of single light sources and LEDs and also for evaluation of the complete lighting installations.



THE LIGHT COMPANY

JUST Normlicht GmbH  
Presse Information  
Tobelwasenweg 24  
D-73235 Weilheim/Teck  
presse@just-normlicht.de  
+49 (0) 7023.95040

The device does not require additional power supply. For different light sources like LEDs, tubular fluorescent lamps or displays different optical probes are used. Due to its handy size and parameters the mini spectro meter is used by engineers and other specialist also for land measuring.

GL SPECTIS 8.0 is a spectro radio meter with OSR (Optical Stray Light Reduction) offering the highest precision for light measurement. It is the only device on the market with OSR method, ensuring a very high precision. Together with a highly sensitive optical system and a cooled back-thinned CCD image sensor the GL SPECTIS 8.0 offers many advantages compared to common laboratory devices in its class. GL Optic spectro meters are delivered including software.

GL SpectroSoft is a intuitive, easy-to-use software for advanced analysis and evaluation of spectral data providing users fast access to essential information and functions. Data easily is analyzed in a variable graphical display and evaluated in different ways according to the application.

Furthermore, GL Optic offers the GL OPTI SPHERE (integrating sphere) sizes 48, 205, 500 and 1100 mm for characterization of LEDs and other light sources according to norms of the »CIE Technical Committee«, technical report CIE 127:2007. Spherical geometry enables the evaluation of different light sources.

GL OPTI SPHERE 48 is attached to GL Optic mini spectro meter to measure luminous flux of LEDs and other small light sources. It is an ideal device for quality control and for the selection of diodes, where it is very important to diagnose data like CCT color temperature, color coordinates or CRI color rendering index.

GL OPTI PROBE 1.0 is an accessory for GL SPECTIS 1.0 for luminance measuring of displays and LED modules. It also is a good solution for testing projectors and evaluating LEDs. Luminance value and color coordinates are measured according to CIE standards.

#### About Just Normlicht

Light pioneer Just Normlicht is considered a global market leader for standardized, normed light technologies and light measurement technologies. As innovative and competent partner Just Normlicht has gained world-wide reputation with a broad product range. And, by setting new standards, has become a synonym for standardized light in the graphic arts industry – for more than three decades now. Just Normlicht's technologies, products and applications offer a platform for objective color communication while ensuring a high standard in the printing and graphic arts industry. Just Normlicht's approved solutions are in daily use by more than one hundred thousand users world-wide. Furthermore well-known companies, organisations and educational institutions rely on Just Normlicht's solutions.

#### Photo Caption

Just Normlicht presents »GL Optic« at photokina and is proud to be used in U.S. American NASA Project for growing Plants in Space – with LEDs and light measuring technology from GL Optic.

#### For Publication: Contact & Info

<http://www.gloptic.com>

<http://www.just-normlicht.de/fr>

<http://www.just-normlicht.de/uk>

<http://www.just-normlicht.de/us>

<http://www.just-normlicht.de>



THE LIGHT COMPANY

JUST Normlicht GmbH

Presse Information

Tobelwasenweg 24

D-73235 Weilheim/Teck

[presse@just-normlicht.de](mailto:presse@just-normlicht.de)

+49 (0) 7023.95040