

Who we are and what we do

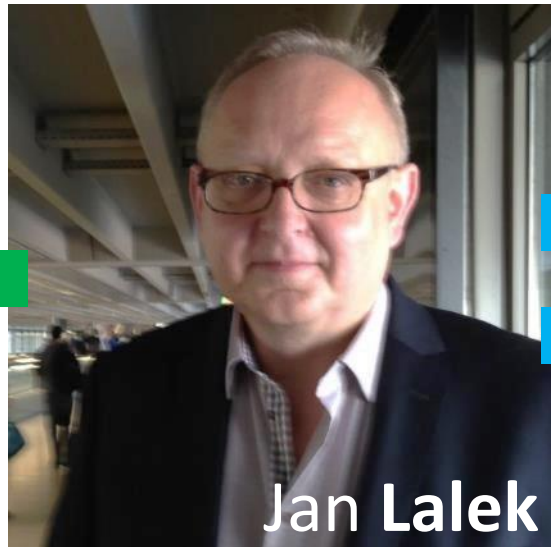
GL Optic

GL Optic is a **full-line** manufacturer of **complete** instrumentation for **professional spectral** light measurement.

“From single LED emitter measurement to complete luminaire testing, GL Optic provides comprehensive light measurement solutions.”

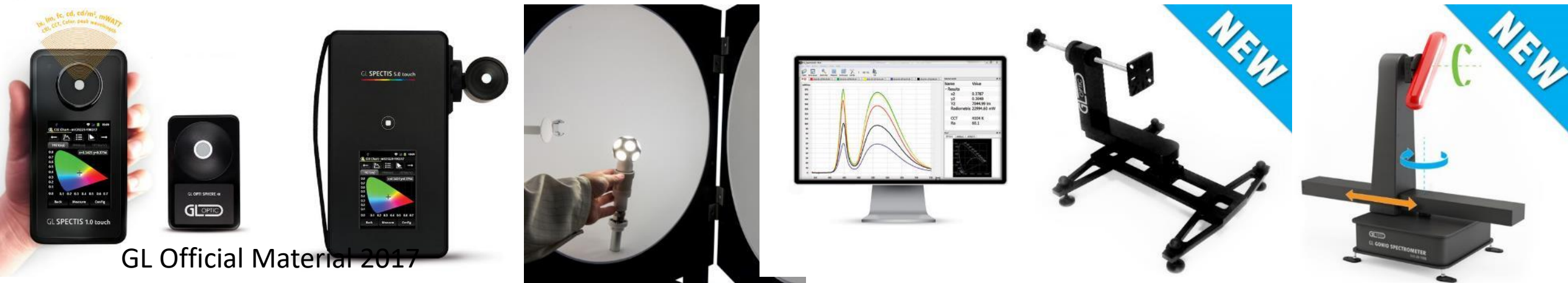
About GL Optic a Polish German joint venture

The story of GL Optic, created in 2009, began as a cooperation between **Michael Gall** the owner of JUST Normlicht in cooperation with a Polish physicist **Jan Lalek** who is an inventor and the head of technology at GL Optic.



About GL Optic

- In 2015 GL Optic spun off as a separate business unit.
- Today at our R&D center in Poland we design, develop and manufacture light measurement instruments using highest quality components from trusted suppliers from around the world.
- Our technical team consist of experienced software developers, electronic and mechanical engineers, production technicians, sales and suport engineers.
- This team created a full line of instrumentation in just a few-years time.





GL SPECTR**LUX**

Light measurement is close at hand

Precise, fast and affordable



GL OPTI SPHERE

Standards compliance in a flash

Comprehensive solutions to global
standards CIE 025/E:2015, IES LM79
... and more



New application areas for Defence Industry

- Extended Spectral Range Characterization
- Speciality Lighting UV – NIR
- Transportation and Electronics



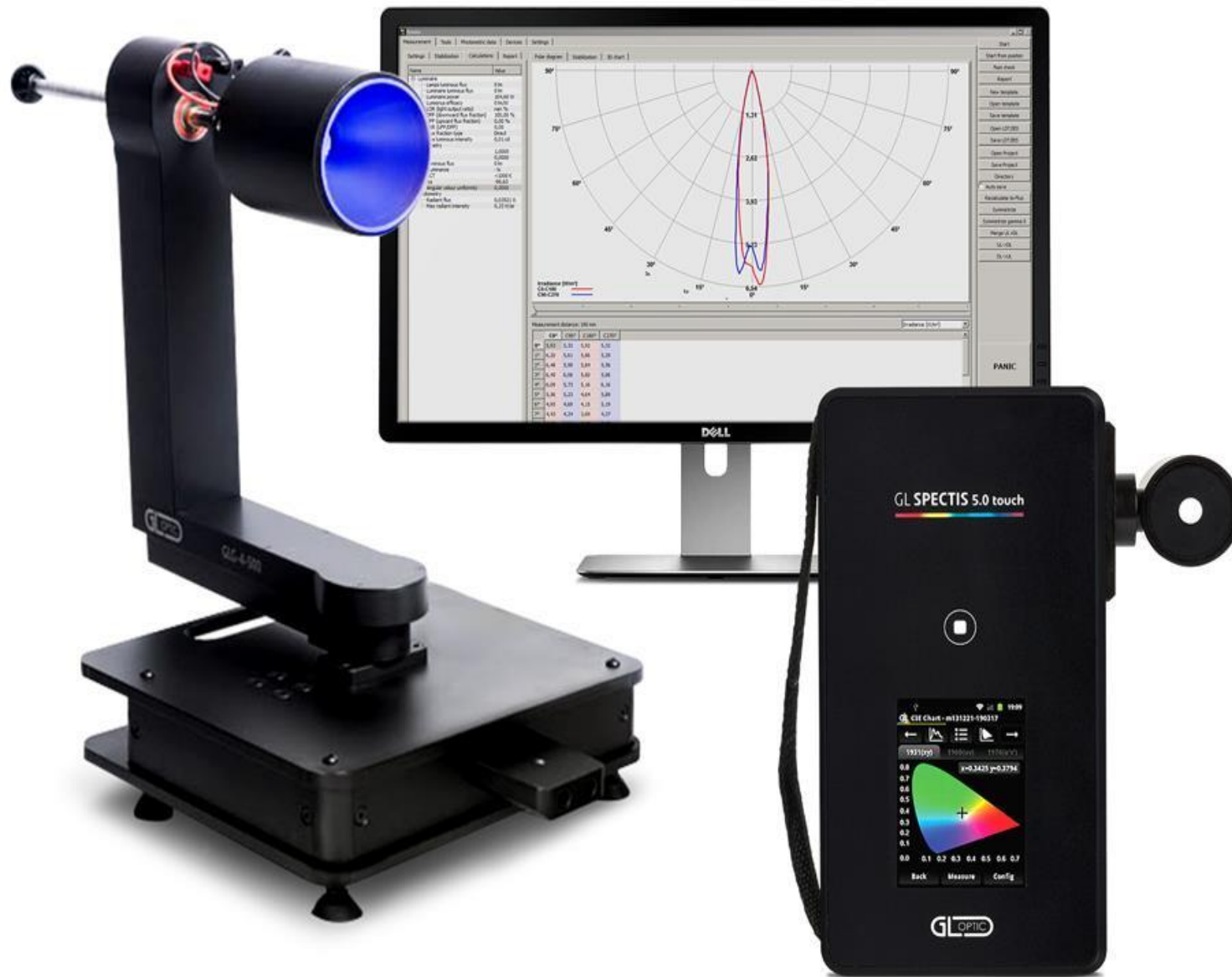
GL SPECTIS 5.0 UV-VIS-NIR

self-contained
spectroradiometer

- Absolute calibration
- Extended spectral range
- High resolution & sensitivity
- Flexible interface







GL RID one UV -NIR

Radiant Intensity Distribution measurements

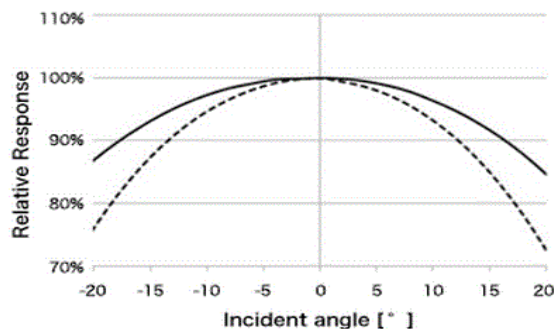
- Full optical characterization of LEDs
- Automated angular intensity distribution

GLG GLG 4-500

Goniometer System for Optical Sensor Sensitivity

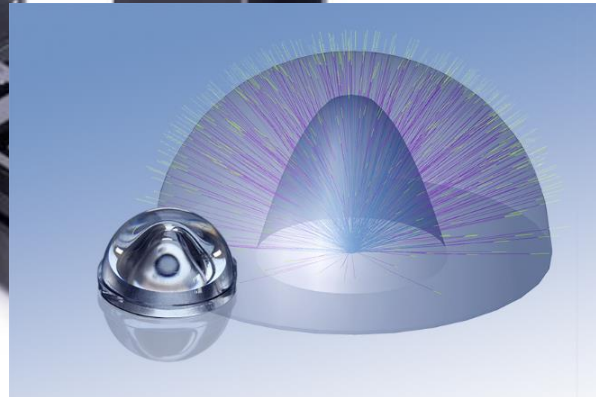
- Fully programmable and preconfigured
- angle depended sensitivity of optical sensors and components
- linearity and dynamic range performance

Figure 3 Comparison of Sensitivity Characteristics with Different Incident Angles



Solid line: IMX214

Dashed line: IMX135





GL OPTICAM 2.0

Imaging Luminance Control

- Absolute luminance level
- Luminance distribution
- Cross section and 3D plot
- Contrast and isocandelas
- and more







GONIOPHOTOMETER GLG A 50-1800

- Type A goniophotometer for photometric characterization of vehicle lamps
- Fully programmable and preconfigured
- Fast on-fly measurements
- Including spectral characteristics





RETRO- REFLECTOMETER

- Measurement of vehicle retroreflectors
- Fully programmable and preconfigured
- Colorimetric measurements
- Including spectral characteristics

Thank you for your attention!

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