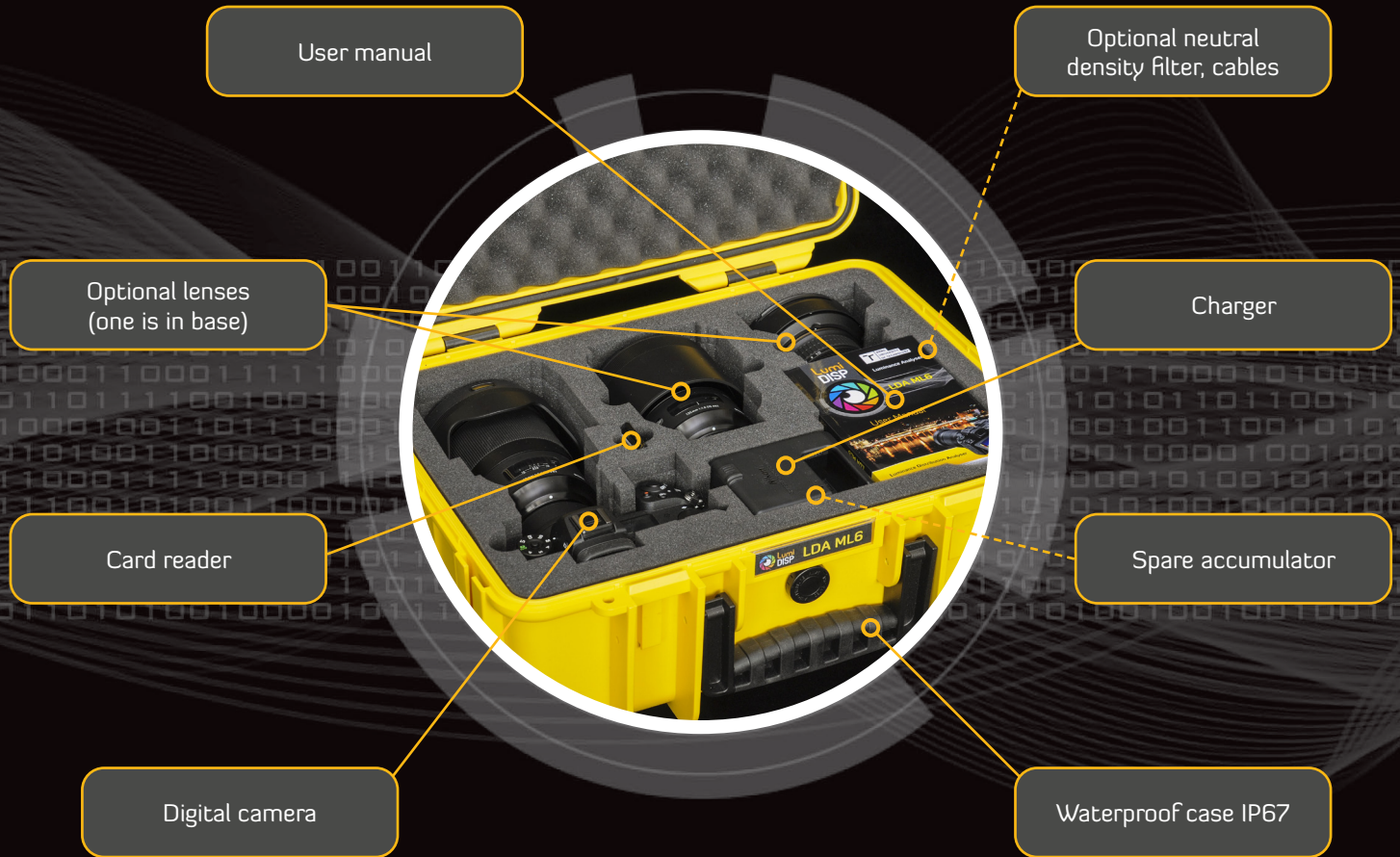


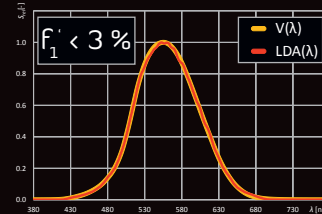
Luminance analyser LumiDISP - LDA ML6



BENEFITS AND TECHNICAL SPECIFICATIONS

Complete instrument with calibration certificate
 Control directly from the instrument or via computer
 Convenient data processing later in the office
 Storage of data in a PC database or on an SD card
 Easy export of tables, graphs, images
 Batch processing of large numbers of measurements
 Wide range of detectors, user templates
 Arithmetic module for custom algorithms

Typical Spectral Response:



Hardware:

Sensor: BSI CMOS 24.5 Mpx
 A/D: 14 bit / 16,383 levels
 Measure Range: 0.001–10,000,000 cd/m²

Software: 2× licence of LumiDISP ver. 3

Optional Accessories: Tripod, ND filter

NIST Traceable

Lenses (field of view / minimal focusing distance)



Sigma 135 mm, f/1.8
 15° (H) X 10° (V), 19° (D) / 89 cm

High-end lens with very low distortion and high luminosity, suitable especially for the analysis of roadways, pedestrian crossings, displays and with the addition of neutral filter for luminance analysis of light sources and luminaires. It is suitable for scientific purposes where high attention to detail is required.



Sigma 40 mm, f/1.4
 56° (H) X 36° (V), 71° (D) / 40 cm

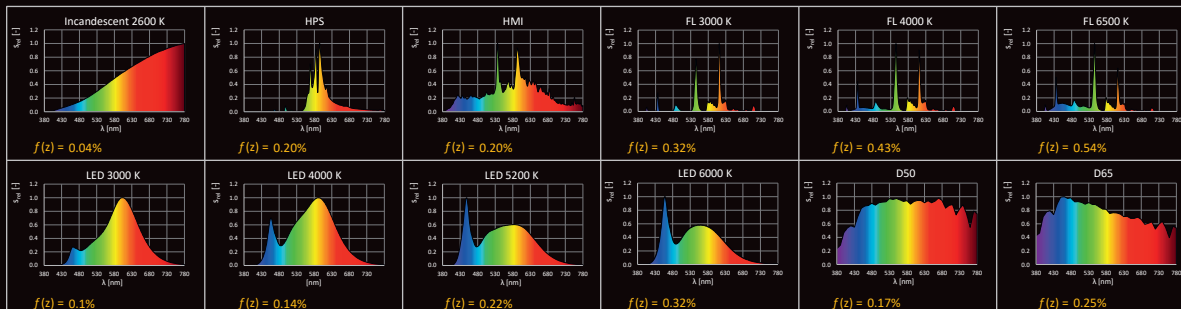
Lens with the highest available aperture number (f/1.4) suitable for contrast analysis (visibility of pedestrians or obstacles on the road). When using a neutral filter it is also suitable for the analysis of signboards, illuminated advertisements and billboards.



Nikon FishEye 8–15 mm, f/3.5–4.5
 180° (H) X 180° (V), 180° (D) / 16 cm

The lens with the widest field of view is particularly suitable for glare analysis using the UGR methodology or for the analysis of the luminance distribution in an illuminated interior with artificial lights or daylight.

Typical Spectral Mismatch Errors



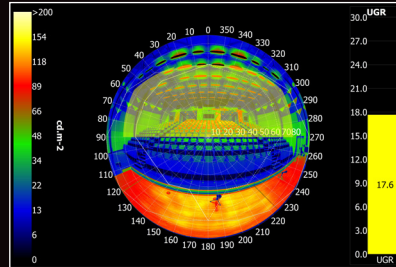
#luminanceanalyser, #luminancecamera, #glare, #UGR

APPLICATION

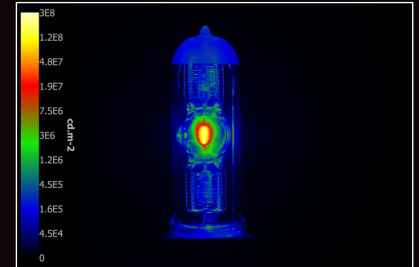
Road lighting



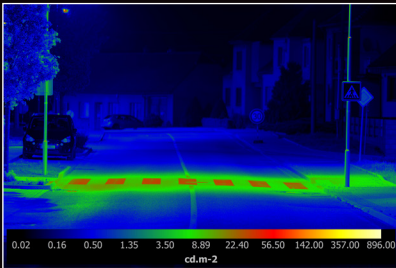
UGR



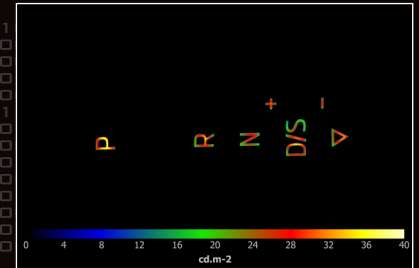
Light source luminance analysis



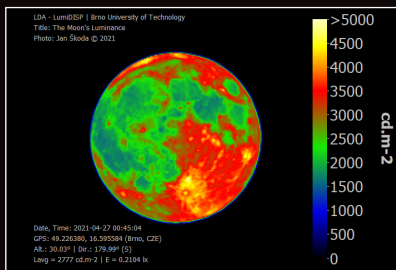
Crosswalk



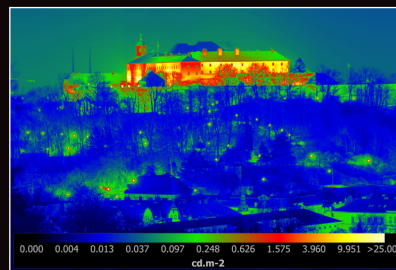
Displays and imagers



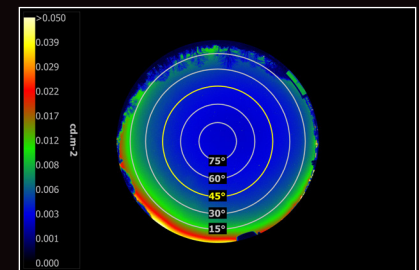
Scientific measurements



Building and advertising luminance analysis



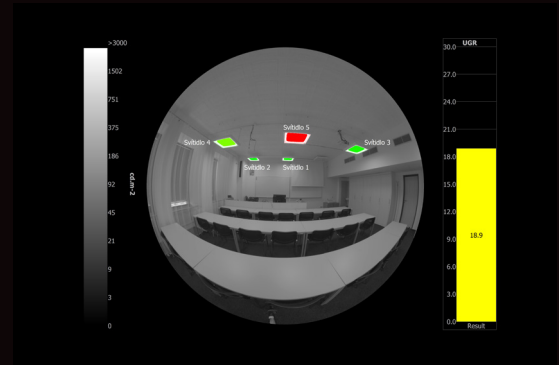
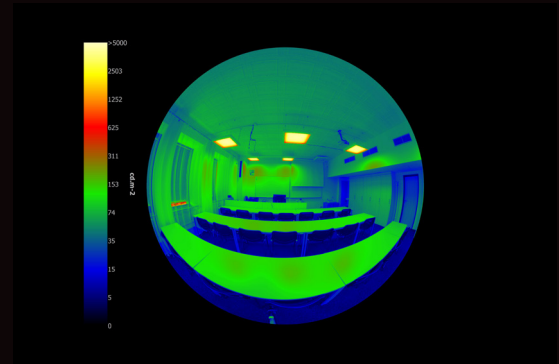
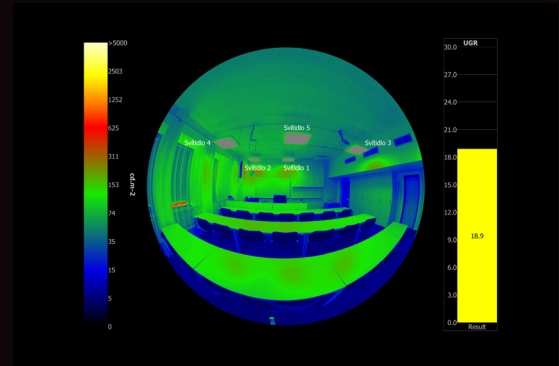
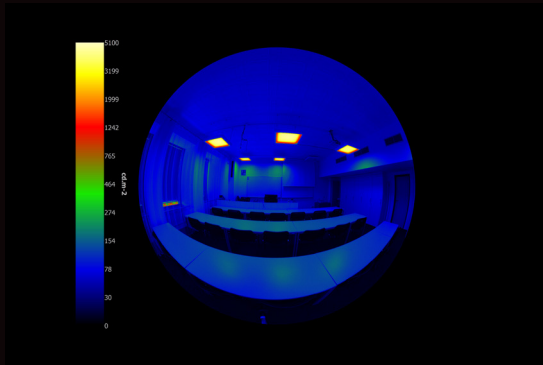
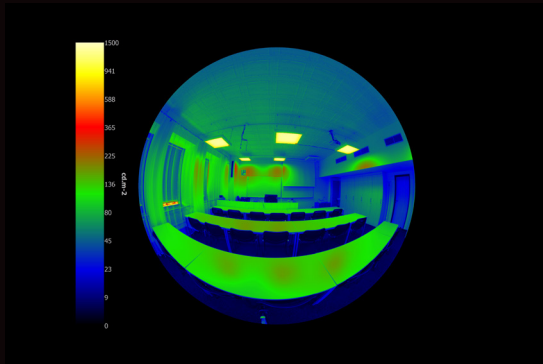
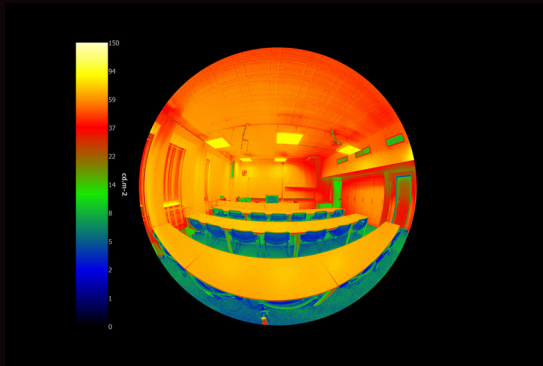
Disturbing light, light pollution



#lightpollution, #disturbinglight

UGR MEASUREMENT

UGR MEASUREMENT



Luminance transformation

Evaluation and detection
of glare luminaires

UGR MEASUREMENT

WHAT IS the LumiDISP – LDA ML6?



The LumiDISP – LDA ML6 luminance analyser is a unique calibrated photometric instrument that is able to quickly and comfortably measure luminance at more than 24 million points practically with the push of a button. The entire measurement system is based on a Mirrorless Interchangeable-Lens Camera with a professional image sensor. The device is equipped with an independent battery power supply and internal memory storage, allowing computer-free operation with only a minimum of accessories. Together with the supplied high quality optics, the instrument delivers results comparable with measuring instruments many times more expensive, and its performance and reliability compares with measuring instruments from renowned manufacturers.

The acquired data can be additionally evaluated from the comfort of office or by using a laptop computer on site of measurement. A long-developed evaluation software LumiDISP is also included, which is not only capable of controlling the camera remotely, but can also analyze the measured data such as glare using UGR, DGP, uniformity of luminance on roads, etc. An indisputable advantage is that all data records are stored in a database structure, which allows very fast searches based on key parameters such as GPS position or time of image acquisition. Evaluation software is also equipped with statistical and arithmetic module allowing the user to write his own evaluation algorithms.

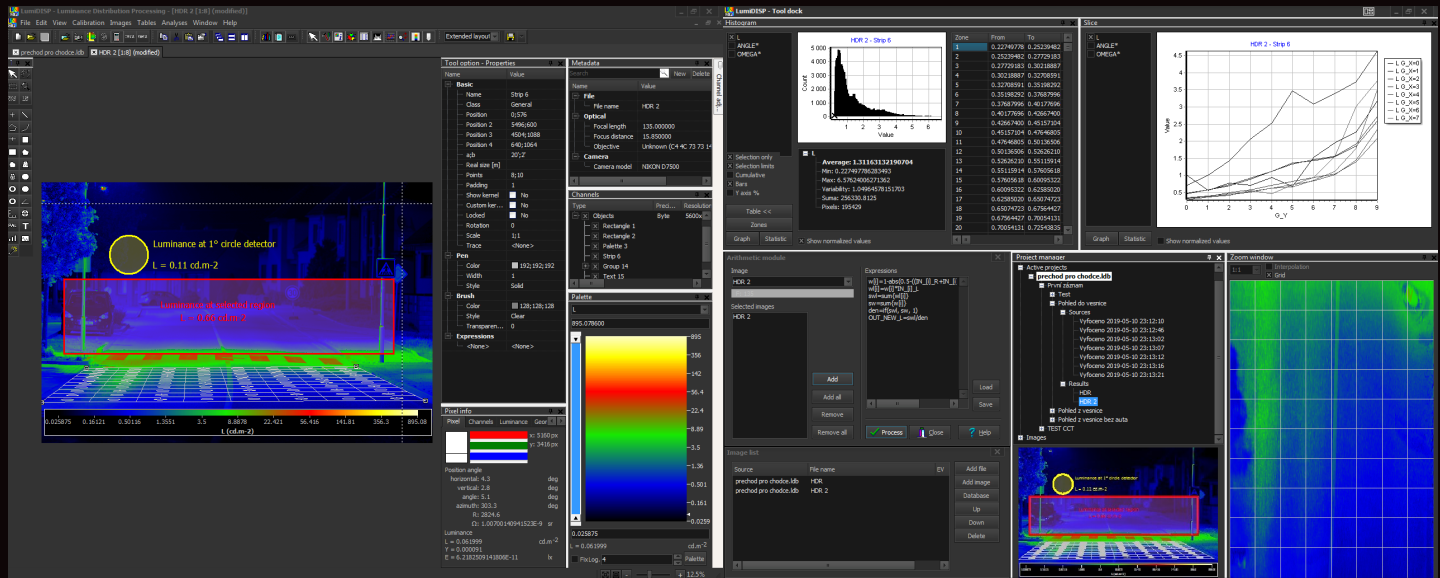
AWARD

Golden AMPER 2019

Multiple exposures

www.lumidisp.eu

Software interface LumiDISP 3.0



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fb: facebook.com/LumiDISP/