Technical Sheet

GL **OPTICAM 3.0** 4K TEC

Imaging Luminance Meter (ILM) dedicated for road lighting measurement. System is based on 4K resolution monochromatic CMOS sensor with V(λ) filter. Standard option is equipped with 50 mm focal length lens while others are available on request. The system is equipped with a set of auxiliary accessories for road lighting measurement. Dedicated software contains specialized module for road lighting analysis according to EN 13201 as well as multiple universal analysis tools as: marking of spots of interest, representation of levels in false-color scale, statistical parameters, histograms, linear cross-sections, 3D luminance imaging.

Features:

- Spectral response of class A
- Wide dynamic range
- Controlled via USB connection
- Temperature stabilized sensor
- Automatic detection of lens and filters
- IP54 enclosure for outdoor use
- Battery powered (over 3 hours of working without external power source)
- Road lighting measurement auxiliary accessories
- User friendly analysis software

APPLICATION	
Road lighting and other light sources, displays, luminous and illuminated surfaces	
MEASUREMENTS	
Imaging resolution	4096 x 2168 (4K, 9 MPix)
A/D conversion	12 bit
Measurement range	0.01 cd/m² … 150000 cd/m² (range depends on lens aperture) (ND filter for higher range available on request)
Resolution	0.01 cd/m²
Dynamic range	1:15000000
Focus distance	200 mm to infinity (depends on lens type)
Minimum working area	56 mm x 30 mm (at 200 mm distance) (will vary depending on lens type)
Uncertainty of spectral response	Class A (f1') < 3 %
Integration time	50 µs … 10 s
PROPERTIES	
Measuring sensor type	CMOS monochromatic matrix with a spectral response V(λ) filter
Optical system	50 mm f/1.8 lens (different available on request)
Dimensions [H x W x D]	149 mm x 306 mm x 265 mm
Weight	5.7 kg
IP Rating	54
PC Connectivity	USB 3.0
Power source	Battery pack + 15V DC power adapter + power inverter (on demand)
Tripod adapter	BSW ¼"
ORDERING INFORMATION	
Case	✓
USB cable	✓
Part number	202599

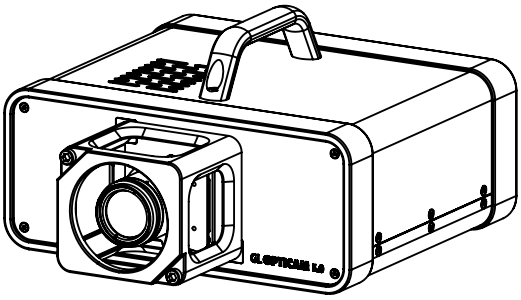
Note: Instrument, firmware and software specification are subject to change without prior notice. All information included in GL OPTIC datasheets and product information available in any form are carefully prepared and included information believed to be true. Please note that discrepancies may occur due to text and/or other errors or changes in the available technology. We advise to contact GL Optic before the use of the product to obtain the latest product specification.

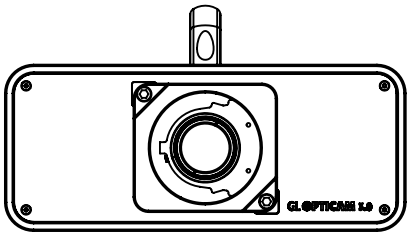
GL OPTIC POLSKA Sp. z o.o.
ul. Poznańska 70, 62-040 Puszczykowo, Poland
Phone: +48 61 819 40 03 | E-mail: office@gloptic.com
www.gloptic.com

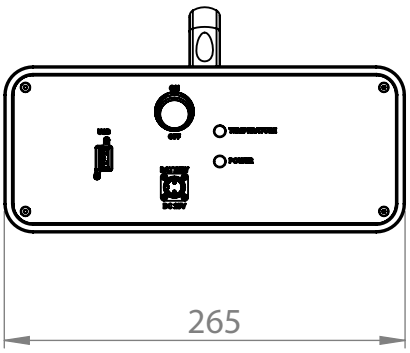
GL OPTIC
Light quality control

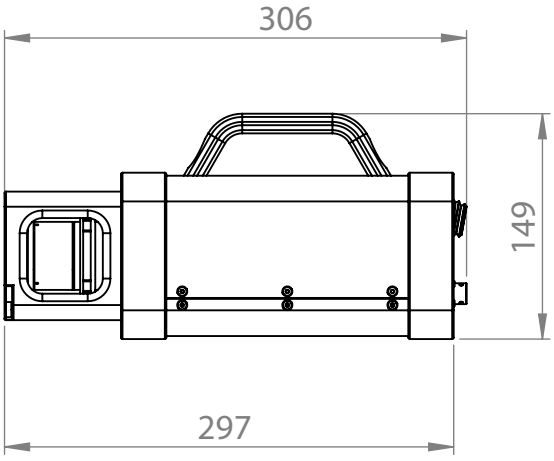
Technical Sheet

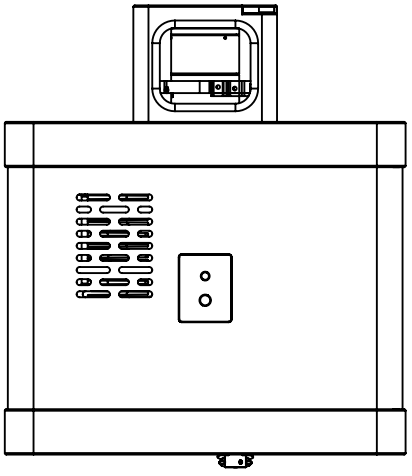
GL **OPTICAM 3.0** 4K TEC











GL OPTIC POLSKA Sp. z o.o.
ul. Poznańska 70, 62-040 Puszczykowo, Poland
Phone: +48 61 819 40 03 | E-mail: office@gloptic.com
www.gloptic.com

GL OPTIC
Light quality control