

# Technical Sheet

## GL GONIOPHOTOMETER GLG 30-1800

GLG 30-1800 is a goniometer system designed for testing large lamps and luminaires. Max load of over 30 kg and 1800 mm diameter will cover the most demanding tasks.

Additionally the usable depth along horizontal axis up to 700 mm will help to test very long high bay lamps with extended radiators. This is also an ideal solution for long tubular architectural luminaires.

### Features:

- Far Field Type C with the horizontal axis
- 3 axis stepper motors
- Angular resolution of 0.1°
- Perfect for large LED modules and luminaires



### APPLICATION

Large LED modules and large luminaires  
Compliance with the following: CIE121-1996, CIE S 025/E:2015

### TECHNICAL DATA SHEET

CIE Goniometer type	Far Field Type C with horizontal optical axis <ul style="list-style-type: none"><li>▪ DUT moving</li><li>▪ 3 axis stepper motors with worm drive gear boxes</li><li>▪ Total position encoders directly on axis</li></ul>
Angular range C axis	± 180°
Angular range γ axis	± 180° theoretical (usable depending on geometry due to shadowing)
Angular positioning precision	0.1°
Reproducibility C axis	0.004°
Reproducibility γ axis	0.004°
Angular speed C axis	up to 45°/s
Angular speed γ axis	up to 45°/s
DUT photometric center positioning	700 mm; stepper motor operated
Photometric distance	9 – 27 m Distance ≥ largest DUT dimension x(5 to 15); (CIE S 025/E:2015)
DUT mounting plate (bread board)	Round d=250 mm, Fixing: multiple mounting holes: M3, M4, M5, M6; chuck with sliding blocks
Maximum DUT dimensions	≤ 1800 mm (diameter or diagonal)
Goniometer dimensions	800 x 1714 x 968 mm (W x H x D)
Maximum operating footprint diameter	2400 mm
Maximum load	30 kg
Goniometer weight	360 kg
Power supply and max. Consumption	PC connection by Ethernet, 110 – 230V 600W
Sensor type	GL OPTIC Spectrometer range: <ul style="list-style-type: none"><li>▪ GL SPECTIS 1.3 LS (recommended)</li><li>▪ GL SPECTIS 1.0 Touch + Flicker</li><li>▪ GL SPECTIS 4.0</li><li>▪ GL SPECTIS 5.0 Touch</li><li>▪ GL PHOTOMETER 3.0 LS + Flicker</li></ul>
Product no.	201736

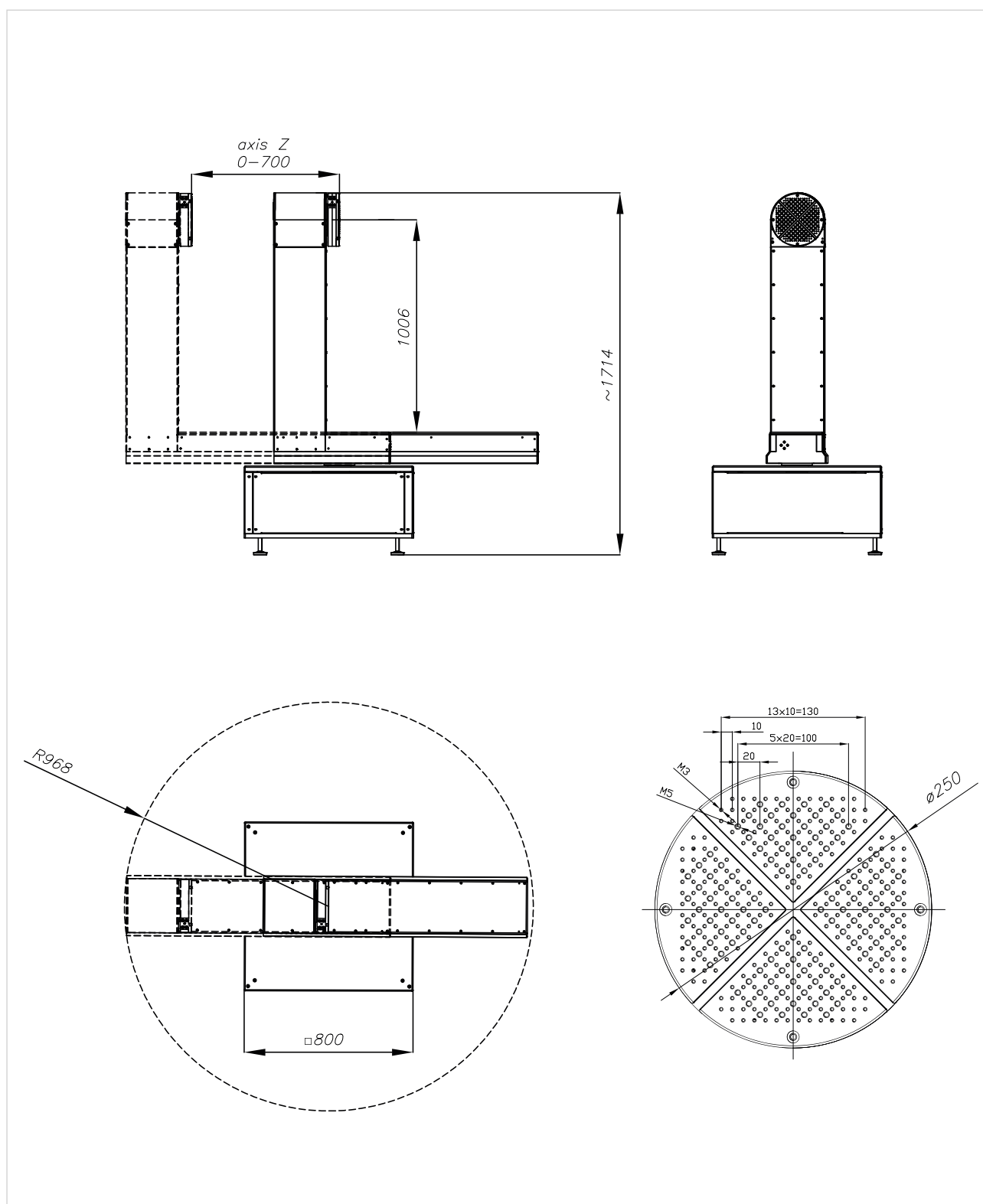
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Light quality control

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**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.

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