

LG-1 Series

General Lighting Goniophotometers



Photometric Solutions International[®]

THE NEW GENERATION IN PHOTOMETRIC TECHNOLOGY

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General

	Model	Max dimensions (diagonal)	Load Capacity
Maximum dimensions of the DUT and load capacity (can be customised for specific applications)	LG-1.0	500 mm	3 kg
	LG-1.1	1300 mm	10 kg
	LG-1.2	1300 mm	20 kg
	LG-1.3	2000 mm	30 kg
	LG-1.5	2000 mm	50 kg
Type	C/γ with rotating luminaire The burning position is not maintained during the test. We only recommend this setup for LED measurements. Type B/β adapter (optional)		
Standards	CIE S 025/E:2015 IES LM-79-08 EN 13032-1:2012-06		
Test distance	Test distance : ≥ 15 times the DUT diagonal (S 025)		

Mechanics

Angular accuracy	0.1 degree on both axes
Angular resolution	0.001 degree on both axes

Sensors

PH-1L Laboratory Photometer	V(λ) matching, f_1'	≤ 1.5 %
	Linearity, f_3	≤ 0.1 %
	Fatigue, f_5	≤ 0.1 %
Colour measurement with SP-4C Spectroradiometer	Spectral Range	360-830 nm (other options in the UV/NIR regions are available upon request)
Power analyser (optional)	Yokogawa WT310E (WT3000 optional)	
Power supply (optional)	Several options based on your requirements	
Temperature probe (optional)	Probe for room temperature or thermocouples for products temperature upon request. Software monitored	

Software

Results	Luminous intensity distribution - In IES, EULUMDAT, CIE, TM14 format Partial and Total Luminous Flux Chromaticity distribution; x, y, u', v', CCT, D_{uv} , R_a , R_f (with spectroradiometer)
Control	All items are software controlled. Automatic switch between photometric and colorimetric measurement (if selected). Automatic switch between test distances (if applicable)

As part of its ongoing research and development process, PSI reserves the right to change specifications without notice.