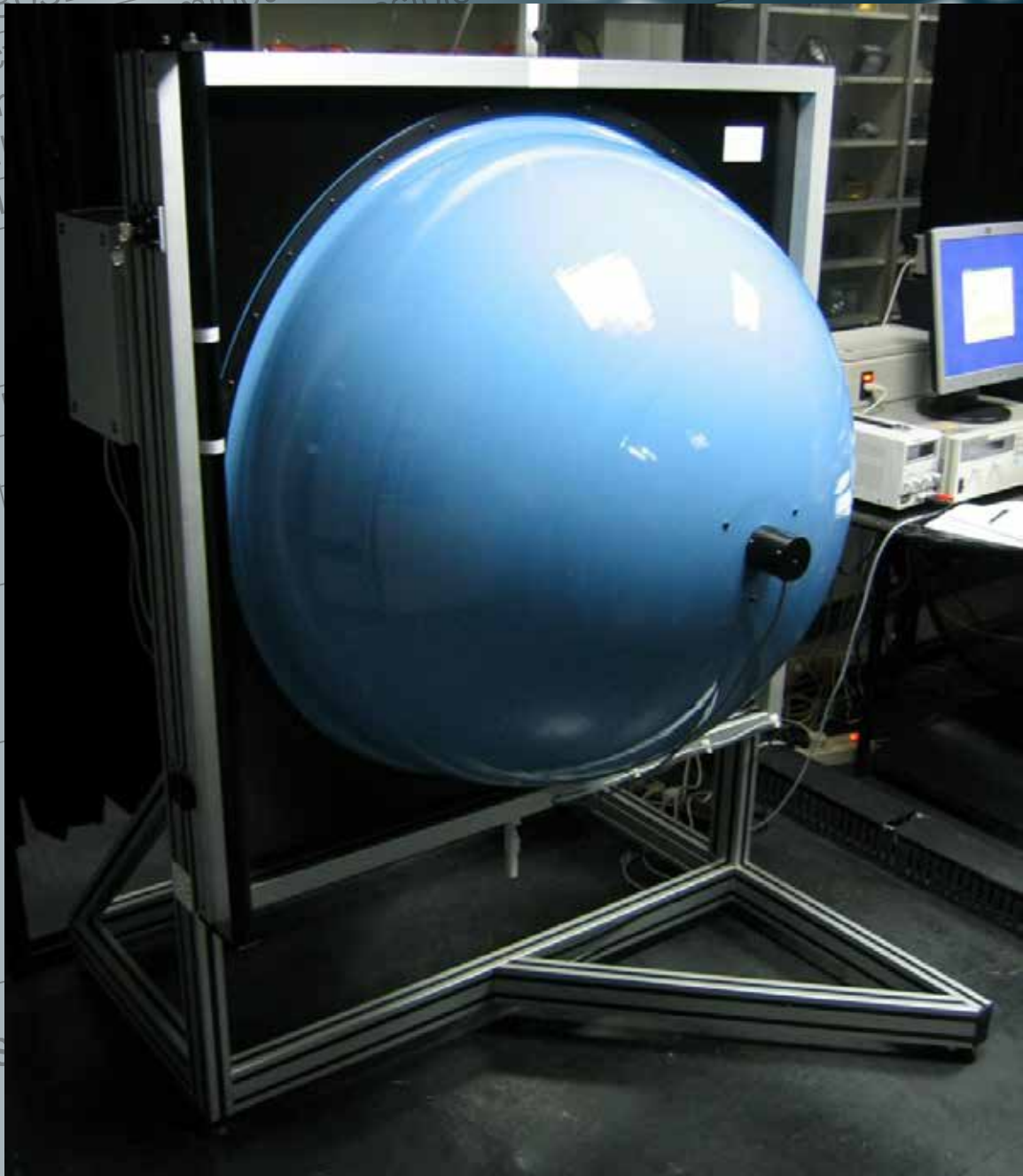


LF Series

Integrating Sphere Photometers and Spectroradiometers



Photometric Solutions International[®]

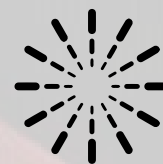
THE NEW GENERATION IN PHOTOMETRIC TECHNOLOGY

Photometric Solutions International Pty Ltd - Factory Two, 21-29 Railway Avenue, Huntingdale VIC 3166, Australia
Telephone: +61 3 9568 1879 Email: sales@photometricsolutions.com Web: www.photometricsolutions.com

Look for your photometricsolutions.com

LF Series

Integrating Sphere Photometers and Spectroradiometers



General

	Model	Inner Diameter
Diameters available	LF-0.5	500 mm
	LF-1.0	1000 mm
	LF-2.0	2000 mm
	LF-3.0	3000 mm
Coating	BaSo ₄ (R% ≥ 90%), other upon request for UV/NIR applications	
Measurement method	Substitution with reference lamps	
Positioning of the DUT	4π base up base, down and horizontal (optional), 2π (optional)	
Standards, comply with	CIE S 025/E:2015 IES LM-79-08 EN 13032-1:2012	
Reference lamps	Spectral and luminous flux provided. ISO 17025 calibration	
Auxiliary lamp	QH-lamp, standard, LED (optional)	

Others

Opening/closing	Manual, Motorised (optional)
Locks	Manual, Electromagnetic (optional)
Temperature-control	Internal Temperature Control with air conditioning system (optional)

Sensors

PH-1L Laboratory Photometer	V(λ) matching, f ₁ '	≤ 1.5 %
	Cosine error, f ₂	≤ 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	Yokogawa WT310E (WT3000 optional)	
Power supply	Several options are available	
Temperature probe	Probe for sphere temperature or thermocouples for DUT temperature upon request. Software monitored	

Software

Results	Total Luminous Flux, Spectral Radiant Flux Luminous Efficiency (with power analyser), y, u', v', CCT, D _{uv} , R _a , R _f (with spectroradiometer)
Control	All items can be fully automated and software controlled Automatic switch between photometric and colorimetric measurement (if both selected)

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