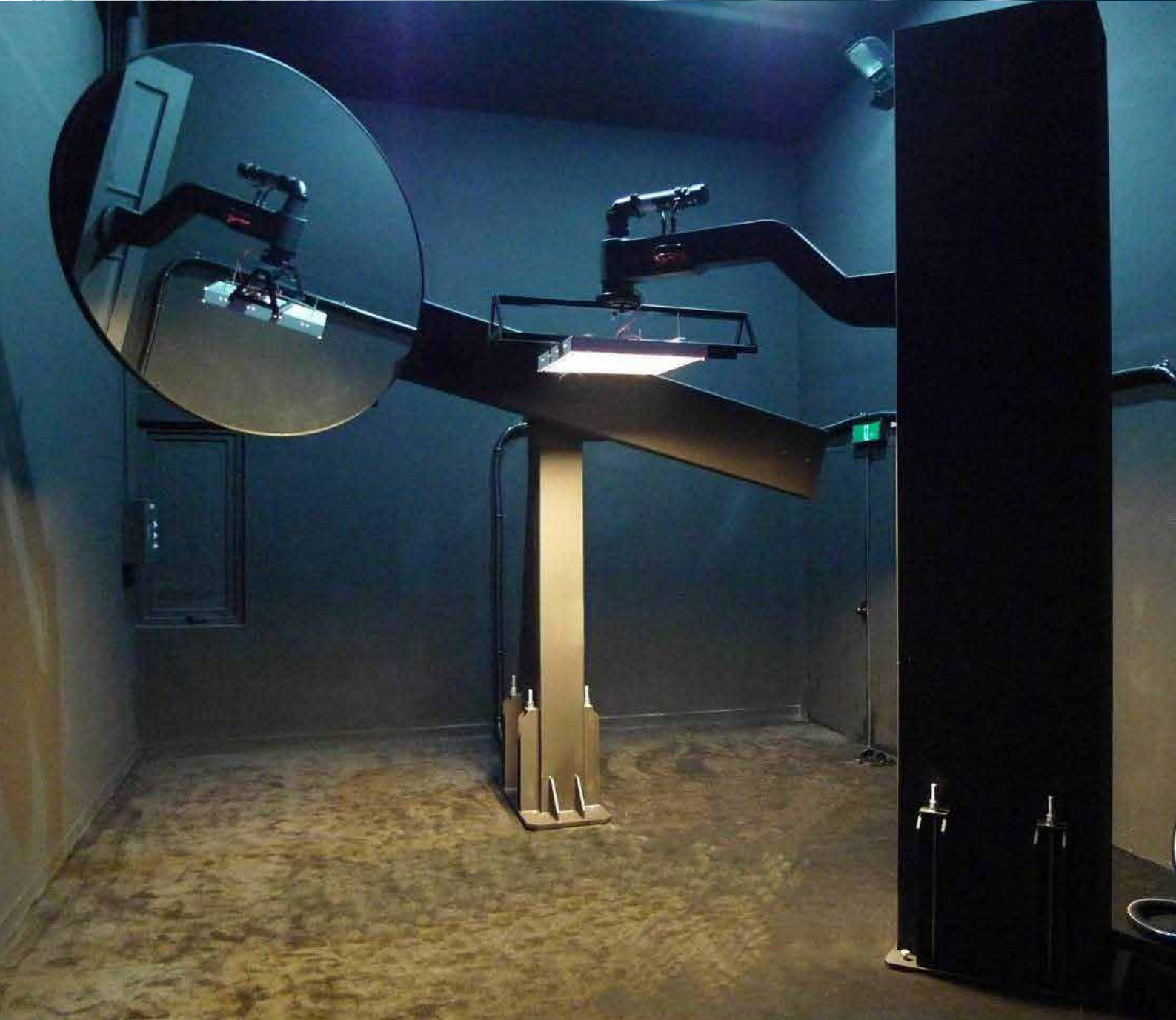


0 kg
/y with rotating mirror to keep
High quality float glass, complies with EN
The spectral radiance of the surface is taken into account in photometric
spectral radiance
CIE S 02
IES LM-79-06
001:2012-06

LG-2.0

Goniophotometer with Rotating Mirror



Several optical
Probe for room temperature
temperature upon request. Software
planes

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LG-2.0

Goniophotometer with Rotating Mirror



General

	Model	Max dimensions (diagonal)
Maximum luminous dimensions of the DUT	LG-2.0	1600 mm
	LG-2.0 with 2.0 m option	2000 mm
	LG-2.0 with 2.4 m option	2400 mm
Load capacity	50 kg	
Type	C/γ with rotating mirror to keep the same burning position	
Mirror	High quality float glass, complies with EN 13032-1 & S 025. The spectral reflectance is taken into account in photocell's spectral response	
Standards	CIE S 025/E:2015 IES LM-79-08 EN 13032-1:2012-06	
Control cabinet/rack system	Included	
Handheld controller	Included	
Typical room layout	Goniometer room : 10x5x5 m Intermediate room : 13x5x5 m Photometer room : 3x5x5 m 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
Motors type	Powerful harmonic drives
Y translation	Motorised height adjustment
Base-up/base-down	Motorised

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 , (with spectroradiometer)
Control	All items are software controlled. Automatic switch between photometric and colorimetric measurement (if selected).

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