

SPECTRORADIOMETER

SSL S-680 - SPECIFICATION

DEVICE CODE	SSL S-680
Application range	Spectroradiometer for measuring photometric, colorimetric and spectral parameters in the goniophotometry or integrating sphere laboratory or in a custom setup.
Detector	3648 pixel CCD spectrometer of type Toshiba TCD1304 (UV enhanced coating)
Wavelength range	Full range version: 200-1050nm (calibrated range 250-1050 nm) S-680.VSM: 380 - 760 nm S-680.VRW: 350 - 1050 nm S-680.UVM: 250 - 450 nm S-680.URW: 250 - 1050 nm
Measurement range (lx)	
Optical resolution	3-5 nm (standard), customizable between 0.3-10nm
Signal to noise ratio	>300:1
Stray light	<0.1%
Min Integration time	8 ms (standard), 0.01 ms (CCD shutter mode)
Dimensions	90 mm X 70 mm X 44 mm
Weight	420 g
Computer Interface	USB 1.1 /2.0
	Automatic integration time Automatic filtering of noise peak Wavelength calibration Spectral irradiance responsivity calibration
Measuring head	Standard outer diameter 42mm (custom sizes created e.g. 38mm and 36.8mm) a. 2.5mm Teflon diffuser (good cosine response, ideal for sphere or lab measurements) b. 0.5mm Teflon diffuser (higher sensitivity, ideal for goniometric measurements)
Measurement sw	Measurement software add-on to SSL GPM Gonio, SSL SRM.IS sphere sw. SRM.Ee