

PSS 8

Solar Simulator Device



One unit for all requirements

BERGER
Lichttechnik

PSS 8

Solar Simulator Device

The Pulsed Solar Simulator PSS 8 is now suitable for up to 120 test cycles per hour.
It is suitable for R&D, manual, semi automatic and automatic production lines.

Product Specification

- › Useable discharge time 10 ms
(at approximately 93% nominal power)
- › Total flash time 12 ms
- › 120 test cycles per hour
- › Class A+ temporal stability at 1000 W/m² irradiance level over measuring time
- › Class A+ Uniformity constant over lamp life time*
- › Class A+ AM 1.5 Global spectrum*
- › Maximum test area 2000 x 1400 mm
- › 4.60 m required space over module
- › Optional multi filter systems for Multi Junction and R&D applications
- › Optional Multi Filter Unit unit for Low Irridance and Rs measurements or for R&D use with e.g. color or spectral filters



Technical Data

Mechanical Data

Weight: approximately 95 kg

Dimensions: 940 x 560 x 600 (H x W x L in mm)

Electrical Data

Voltage: 230 V or 115 V

Frequency: 50 Hz or 60 Hz

Power: 1700 W

Fuse: 6.3 A TT

General Specification

Ambient temperature: +10 °C to +35 °C

Spectrum: Class A+ AM 1.5 G according IEC 60904* or adjustable

Uniformity: Class A+ according IEC60904*

Temporal stability: Class A+ according IEC60904

Irradiance: 500–1100 W/m² at a distance of 4.6 m

Rate of repetition: 120 test cycles per hour

Total pulse time: 12 ms

Measurement time: 10 ms

Communication

Fiber optic cable (PFO)

Lamp Housing

Dimension: 550 x 750 (D x L in mm)

Cable length: 8 m

Weight: approximately 30 kg

Features: centering laser; 230 V outlet

* When suitably enclosed

BERGER Lichttechnik GmbH & Co. KG

Wolfratshauer Str. 150 · D-82049 Pullach · Germany
Phone +49 (0)89 793 55 266 · Fax +49 (0)89 793 55 265
info@bergerlichttechnik.de
www.bergerlichttechnik.de