



Photo Emission Tech., Inc.

760 Calle Plano, Camarillo, CA 93012 USA

Tel: (805) 482-5200 Fax: (805) 482-5252

Email: pet@photoemission.com

SOLAR SIMULATOR MODEL # SS80AAA



Class AAA Solar Simulator with two (2) years warranty



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SS80AAA - FEATURES

- Light intensity feedback for stable output intensity
- External lamp alignment with lamp on
- Lamp life display
- Manual / automatic shutter control
- External/Remote shutter control
- Forced air cooling
- Lamp current meter
- Selectable and adjustable constant intensity or constant power mode
- Safety Interlock override LED
- Over Temperature Warning LED
- Shutter Status Indicator
- Lamp status indicator
- Two (2) year factory warranty

SS80AAA - TECHNICAL SPECIFICATIONS

FEATURE DESCRIPTION	SPECIFICATION
Type of lamp	Xenon Short Arc
Lamp Power	300 W
Max. Illuminated area	3.2" (80 mm) X 3.2" (80 mm)
Light Source	Steady State
Air Mass	AM1.5G Standard: AM1.5D or AM1 optional
Lamp lifetime	1,000 Hours
Adjustment Range of light intensity	100 mW/cm ² +/- 15%
Simulator Class as per ASTM E927	AAA
Spectral Match to ASTM E927	±25% or better
Non-uniformity of irradiance as per ASTM E927	≤ 2% or better
Temporal Stability as per ASTM E927	≤ 2% or better
Dimensions (Height x Width x Depth)	43.2" (1,098mm) x 14.5" (368mm) x 20.8" (529mm)
Weight	65 Lbs. (29.5 Kg)
Optimum Working Distance	9.4" (239mm)
Phase/Voltage/Frequency	Single Phase/110-220AC Volts/50-60Hz
Max. Power Consumption (W)	0.5 KVA