



# Photo Emission Tech., Inc.

862 Patriot Drive, #F, Moorpark, CA 93021 USA

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## **SOLAR SIMULATOR MODEL # SS30AAA-EM**



**Class AAA Solar Simulator with One (1) year warranty**



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## SOLAR SIMULATOR MODEL # SS30AAA-EM

### SS30AAA - 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
- One (1) year factory warranty

### SS30AAA - TECHNICAL SPECIFICATIONS

<b>FEATURE DESCRIPTION</b>	<b>SPECIFICATION</b>
Type of lamp	Xenon Short Arc
Lamp Power	100 W
Max. Illuminated area	1.2" (30mm) X 1.2" (30mm)
Light Source	Steady State
Air Mass	AM1.5G Standard: AM1.5D or AM1 or AM0 optional
Lamp lifetime	1,000 Hours
Adjustment Range of light intensity	100 mW/cm <sup>2</sup> +/- 15%
Typical Spectral Range	250nm - >2,200nm
Simulator Class as per ASTM E927	<b>AAA</b>
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
Degree of Collimation	≤2 Degrees
Dimensions (Height x Width x Depth)	28.4" (721mm) x 11.6" (295mm) x 15.5" (394mm)
Weight	55 Lbs. (25 Kg)
Optimum Working Distance	~3.0" (75mm)
Phase/Voltage/Frequency	Single Phase/110-220AC Volts/50-60Hz
Max. Power Consumption (W)	0.3 KVA