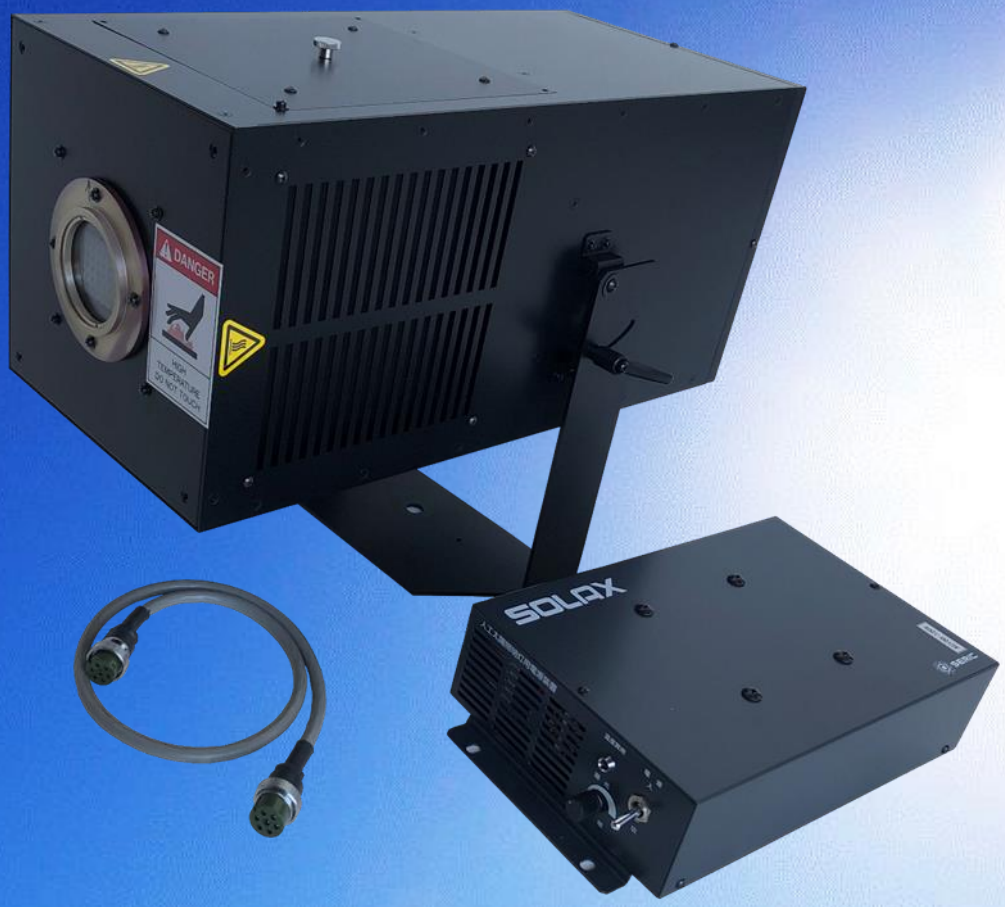


- Compact solar simulator with advanced artificial solar lighting !
- Ideal for simplified testing of solar cells and as a light source for production lines !
- Although low-priced, this solar simulator delivers IEC60904-9 Class AAA performance !

Compact Solar Simulator

SERIC
セリック株式会社

Main features

✔ **High uniformity!**
IEC 60904-9 Class A（±2%） for 80 mm square unevenness
IEC 60904-9 Class C （±10%） for 156 mm square

✔ **Spectral distribution that is highly similar to natural sunlight!**
IEC 60904-9 Class A for Spectral match

✔ **Stable irradiance!**
IEC 60904-9 Class A for Time variation

✔ **Achieves the irradiance (1kW/㎡) and brightness (100,000Lx) of mid-summer natural sunlight.**

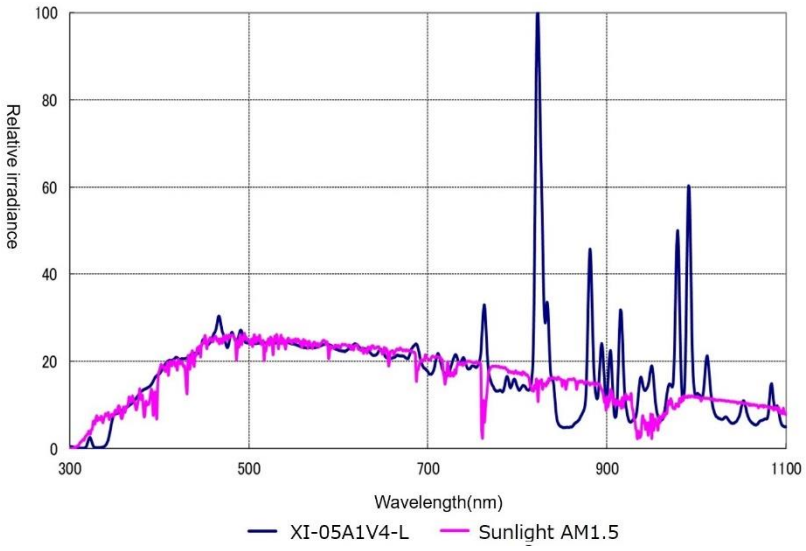
✔ **Can irradiate with highly directional light!**

✔ **Can be set up without an engineer!**
No transport or installation costs are required.
Maintenance-free!

✔ **Compact size makes it easily portable!**
（Light source unit: Approx. 11 kg）
External dimensions: W490 × D220 × H220 mm
*Excluding protruding parts

✔ **Multiple filter type options are available!**
Users can select simulated sunlight with different wavelength ranges according to the application.

✔ **Includes a brightness adjustment knob**
(variable range: 60 – 100%)!



Specifications

Items	Filter type : L
Model	XI-05A1V4-L
Input power	1φ100V, 50/60Hz
Power source capacity	1000VA
Maximum input current	Approx. 10 A
Lamp	500W xenon lamp
Average lamp life	Approx. 1,000 hours
Effective irradiated area	～□156mm
Irradiation distance	500mm
Rated irradiance	1000W/㎡
Spectral match	IEC 60904-9 Class A（300～2500mm）
Spatial unevenness	□80mm IEC 60904-9 A（±2%） □100mm IEC 60904-9 B（±5%） □156mm IEC 60904-9 C（±10%）
Time variation	IEC 60904-9 Class A（±2%）
Irradiance adjustment range	60 -100% (Maximum irradiance = 100%)
Temperature	0 ～30℃
Humidity	10～90%

Filter type	Features
A	High similarity to natural sunlight in the visible light (370 – 780 nm) range
B	High similarity to natural sunlight in the ultraviolet to visible light (300 – 780 nm) range
E	Achieves IEC 60904-9 Class A for spectral match. Achieves A+ for crystalline systems.
L	Simulates the wavelength range from 300 – 2500 nm, accurately reproducing the outdoor environment.

■Maker
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