

SOL 500 / 1200 / 2000

Irradiation Systems for Simulation of
natural Sunlight

System-Features

- Various Power Levels
- Irradiation for large surface areas possible

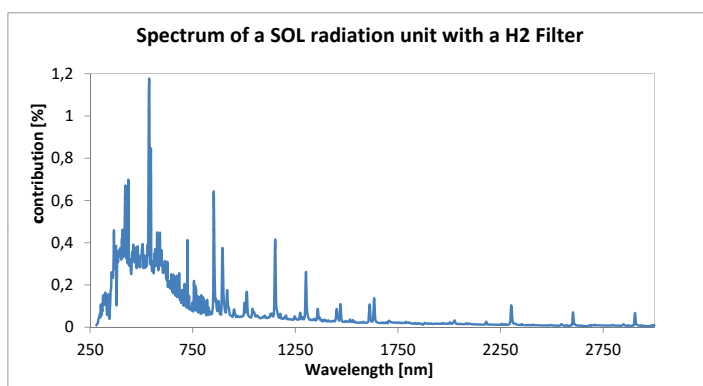
Advantages

- Universally usable

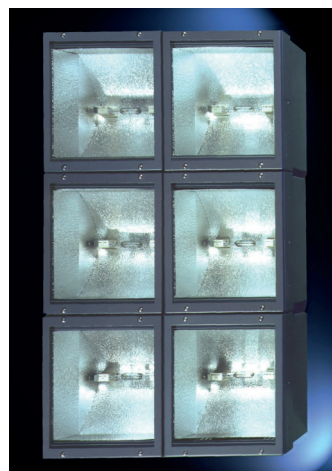
SOL 500 / 1200 / 2000 – Powerful Sun Simulation

Solar simulation carried out with SOL units deliver reproducible results, which are an effective comparison to tests in natural sunlight. The light produced by the irradiation sources is close to that of natural sunlight.

The lamps achieve very high uniformity throughout the irradiation field. By using different filter glasses (e.g. H1 / H2) the irradiation spectrum can be influenced.



With several units combined larger areas can be exposed with high efficiency and uniformity throughout the irradiation field.



A separate power supply unit controls the lamp. In multiple lamp systems the power supply units can be integrated into a single switch cabinet.

Sun simulation unit consisting of 6 SOL 500

Examples of application

- light resistance tests on textiles, wood, leather and painted or varnished surfaces
- accelerated sunlight ageing of plastics
- integration into multi-purpose climatic chambers for simultaneous light, humidity and temperature testing
- performance monitoring of thermal solar cells
- testing of photovoltaic modules (PV)

	SOL 500	SOL 1200	SOL 2000
supply voltage (other on request)	230 V / 50 Hz / 1-phase	230 V / 50 Hz / 1-phase	400 V / 50 Hz / 3-phase
power input	430 W	1000 W	2000 W
length	397 mm	397 mm	397 mm
width	305 mm	305 mm	305 mm
depth (without cable)	343 mm	343 mm	343 mm