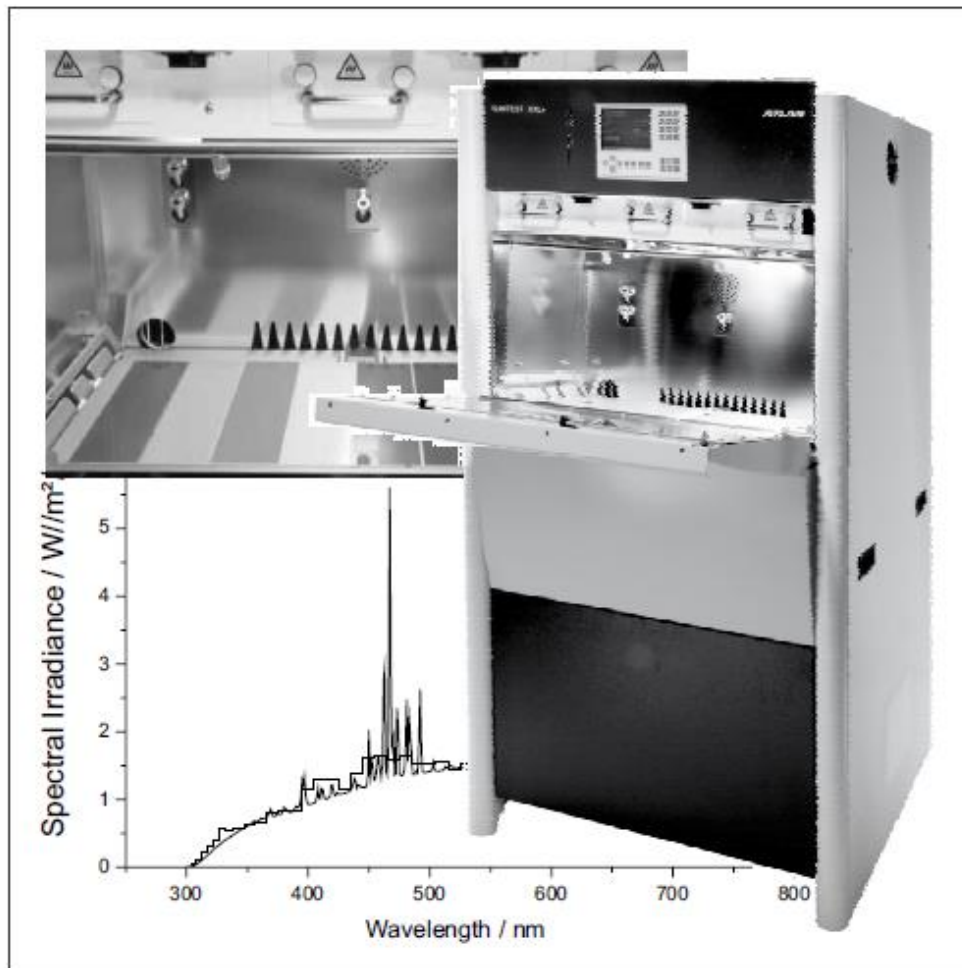


# SUNTEST® XXL/XXL+ SUNTEST XXL/XXL+ FD

SUNTEST XXL / XXL+



# 12 Technical Data

## 12.1 SUNTEST XXL/XXL+

### Incoming power:

Upon delivery, the instrument has been prepared in accordance with the order for the connection to the power supply system and, where required different than 400 V with European standard plug, respective to the "Power Evaluation Form"

Voltage [V AC]	Max.(fused) current [A]	Wires	Phases	Freq. [Hz]
400	32	3/N/PE	3	50/60
200 – 210	30	3/PE	3	50/60
220 – 240	30	3/PE	3	50/60

Nominal current: 22 A  
 Nominal output: 12,1 kVA  
 Xenon lamp nominal rating: 1700 VA  
 Xenon lamp rating: max. 2100 VA  
 Xenon lamp current: max. 16 A  
 Relative electrical rating: 53 – 120%

### Light source:

Light source: three xenon lamps, air-cooled  
 Guaranteed life: 1500 hours

### Irradiance intensity\* at sample level:

Filtration	Wavelength range (nm)	Irradiance intensity (W/m <sup>2</sup> )
Daylight	300 – 400	40 – 65
Window glass	300 – 400	30 – 65
Daylight	340	0.32 – 0.60
Window glass	340	0.26 – 0.56
Daylight	420	0.75 – 1.44
Window glass	420	0.65 – 1.28

Tab. 12.1

### Test chamber:

Available sample surface: 3000 cm<sup>2</sup>  
 Dimensions in cm (Width x Depth): 79 x 39  
 Test chamber temperature: 20 °C – 70 °C  
 Black standard temperature: 45 °C – 100 °C  
 Relative humidity: 20% – 95%  
 Blower speed: 800 – 2500 U/min

\* The values may vary depending on lamp age and test / laboratory conditions.

### Water capacity:

Capacity of the water reservoir: 50 l

### Water quality:

Conductance: < 5 µS/cm  
 pH value: 6 - 8  
 Solids content: < 1 ppm  
 Max. Silicate content: < 0.1 ppm

### Water consumption (treated water):

Spray: 0.3 l/min  
 Humidity: max. 2.0 l/h

### Cooling air requirement:

Each lamp unit: max. 150 m<sup>3</sup>/h  
 Test chamber: max. 200 m<sup>3</sup>/h

### Interfaces:

USB (only available with later software versions)  
 Ethernet  
 Memory card chip

### Data recording:

Download by USB / RS232 or memory card chip

### Dimensions and weight:

Dimensions in mm: 901 x 913 x 1720  
 (width x depth x height without exhaust air manifold)  
 901 x 913 x 1950  
 (width x depth x height with exhaust air manifold)  
 Net weight: approx. 280/290 kg (XXL/XXL+)  
 (without operating media, e.g. water, etc.)

### Ambient conditions:

Room temperature: max. 18 °C – 25 °C  
 Relative humidity: max. 50%

### Laboratory room conditions:

- Equipped with recirculating air system
- Inlet air volume flow at least 650 m<sup>3</sup>/h
- Air filtering using filters of Class EU 4
- Dust-free