

## Sunwells Solar System

### A complete experience

The sun's rays are not only a pleasant experience, but a necessary one needs, for us to stay healthy, both physically and mentally.

Sunlight therapy with a solar simulator from Sunwell in a solar room that combines invigorating sunlight, pleasant warmth, blowing sea breeze, soothing background sound and a pleasant environment not only increases well-being, but has many positive health effects.

Sunwell sunlight is comparable to the real sunlight outdoors and is completely safe as the UV radiation has been reduced so that everyone, regardless of skin type, can sunbathe without the risk of skin damage.

Sunwell solar system is not a solarium as the UV level is below the limit of 30 J / m<sup>2</sup> per dose and thus they meet the requirements of the Safety authority according to SSMFS 2012: 5.

Built-in background sound creates an atmosphere authentic to simulated environment, such as the sound of crickets, waves or birds chirping.

External fan that automatically simulates sea breeze together with the solar panel is available as an option for mounting on the ceiling, on the wall or floor stand.



The heart of Sunwell's solar system is solar panel with the combination of specially developed solar lamps that with the sun's full light spectrum provide natural sunlight and comfortable heat.



A control system automatically recreates the time changes of the day, and the visitor can experience a shortened day, from early dawn to sunset.



Through various program selections on the touch screen the sunlight can be adjusted to:

- Sunrise
- Full daylight
- Evening light with warmth
- Desired time interval
- Desired maximum temperature



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Data	Triple	Hexagon
Minimum ceiling height	220 cm	300 cm
Safety distance	200 cm	300 cm
El. output	Standard 5,2kW	From 4,4kW (Hex 3)
Power supply	3-phase 400V 16A	3-phase 400V (from 16A)
Sun area	Appr. 12 m <sup>2</sup>	From 12 m <sup>2</sup> (Hex 3)
Light intensity	10 000 – 25 000 lux	10 000 – 30 000 lux
Sunlight effect	400 – 500 W/m <sup>2</sup>	500 – 700 W/m <sup>2</sup>
Ventilation need at continuous operation	Ca. 100 m <sup>3</sup> /h per installed kW	Ca. 100 m <sup>3</sup> /h per installed kW
El. cabinet with automatic control	Yes	Yes
Operating panel with touch screen for selection of program, time, temp.	Yes	Yes
Integrated MP3 sound system incl. 2 pcs ext. Speakers for background sound	Yes	Yes
External wind fan	Option	Option
Solar panel weight	20 kg	from 10 kg (Hex3)
Solar panel size	98 x 34 x23 cm	Variable
El. cabinet weight		Variable
El. cabinet size	50 x 25 x 70cm	Variable
Modularity	Yes. Several solar systems can be connected electrically together And operated from one panel.	Yes. Several solar modules can be build together to any form and size and operated from one panel.

