

Fluorescent Lamp Technical Data Sheet



SMART SUN R 100W UVB PLUS CS

Art. Nr.: 1018996-00

Main Application: Tanning
 Equivalency code: 100-R-66/11,2

Dimensions:

Lamp Length Nominal [mm]	1760	
A max [mm]	1763,8	
B min [mm]	1768,5	
B max [mm]	1770,9	
Diameter Nominal [mm]	38	
Base type / color	G13 Bi-Pin coded base / Silver	
Reflector angle	210 °	R

Electrical Data (nominal values)

Lamp Wattage [W]	100
Lamp Current [A]	0,8
Lamp Voltage [V]	125
Compensation [µF]	10
Ballast	100 W
Recommended Starter	according to EN 60155

Irradiation Data (nominal values)

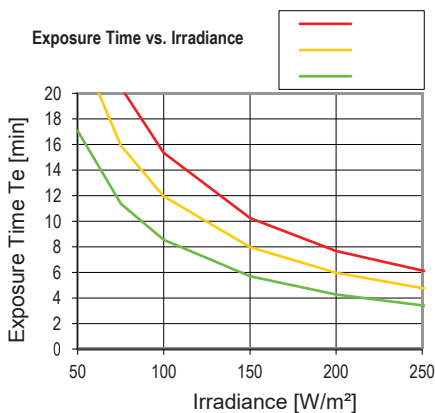
UVA Radiant Flux [W]	19
Typical UV Irradiance in equipment [W/m ²] ¹⁾	130
B/A Ratio (UVB:280-315 nm) ²⁾	3,5 %
E _{er} (320-400 nm) [mW/m ²]	11,00 ±15%
E _{er} (250-320 nm) [mW/m ²]	55,30 ±15%
NMSC Ratio (≤320 nm / >320 nm)	11,2
Irradiance 570nm<λ≤800nm [W/m ²] ²⁾	3,6

Other Important Features:

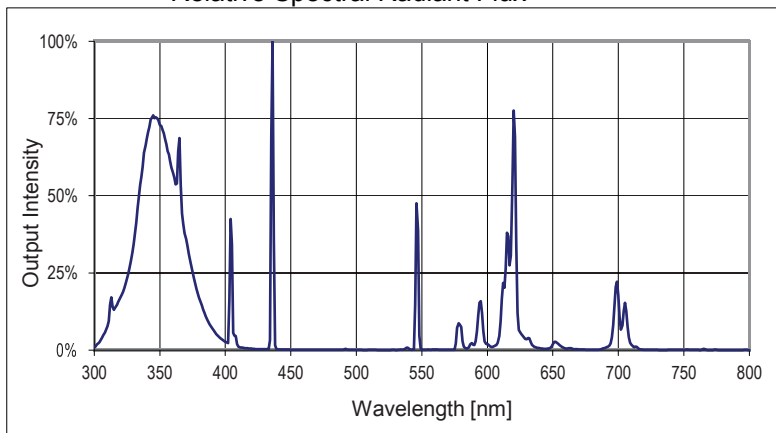
Useful Lifetime (recommended) [h]	650
Glass Type of Lamp Bulb:	open
Type of Lamp Mounts:	short mount
Filling Gas:	Argon
Lamp Etch Color:	silver
Lamp Color:	pink



Recommended Exposure Times ³⁾



Relative Spectral Radiant Flux



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1) Please contact the manufacturer of your sunbed for the correct value

2) Just for reference

3) The effective dose is derived from the ultraviolet action curve

in accordance with EN 60335 - 2 - 27