

CLEO Professional S 100W-R

FR71 T12 100W PH

Item No: 964171740

Dimensions

Length (nom.)	1760,0 mm
Length without pins (max.)	1763,8 mm
Length base - pin (min.)	1768,5 mm
Length base - pin (max.)	1770,9 mm
Length with pins (max.)	1778,0 mm
Diameter (max.)	40,4 mm
Base	G13

Electrical Data

Supply voltage:	230 V +/-0,2%
Ballast (nominal):	100W / 230V
Lamp wattage (nominal):	92 W +/-5W
Lamp current (nominal)	920 mA
Lamp voltage (nominal)	115 V +/-10V

Physical Data

UVA Irradiance (315 - 400 nm) ¹	17,0 W/m ² +/-10%
UVB Irradiance (280 - 315 nm) ¹	370 mW/m ² +/-10%
UVB/UVA ratio	2,2%
E _{er} (250 - 400 nm) ¹	48 mW/m ² +/-15%
Recommended useful life	800 Hours

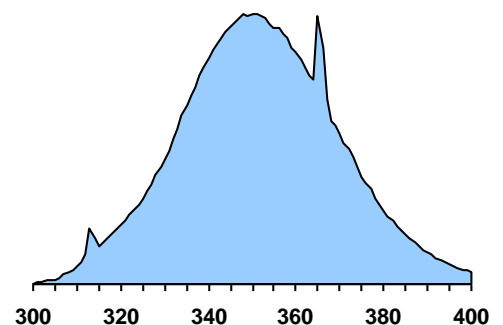
Lamp Specifications

(typical values acc. IEC / EN 61228)

- a) Dimensions
- See dimensions
- b) Reflector: 210°
- c) Specified ballast: Cosmopower S 100W / 230V
- d) Electrical data:
 - Lamp power (typical) 92 W
 - Lamp current (typical) 920 mA
 - Lamp voltage (typical) 115 V
- e) Effective Irradiance¹
 - UV-erythem (250 - 400 nm) 50 mW/m²
 - NMSC (250 - 320 nm) 81 mW/m²
 - NMSC (321 - 400 nm) 14 mW/m²
- f) Aquivalency code 100-R-50/6,0

¹ acc. IEC measured in a distance of 25 cm to the lamp axis under stable operating conditions

Relative Spectral Distribution



Recommended Exposure Time

UVA irradiance in W/m ²	First session tanning time in minutes	Maximum tanning time in minutes by skin type		
		2	3	4
170	3,5	8,7	12,2	15,6
220	2,7	6,7	9,4	12,1
270	2,2	5,5	7,7	9,8

Typical irradiance of a tanning unit²: 220 W/m²

Data regarding effective dose and recommended tanning times, are basing on norm DIN EN 60335-2-27.

² The tanning unit of reference contains 20 lamps in the bench and 24 lamps in the canopy. The bench is covered by double acrylics and the canopy by a single one. Please contact the equipment manufacturer, for individual irradiance of your solarium. These information are for orientation use only and have to be coordinated / adjusted individually.