

## Cosmofit RCS 80W

FR59 T12 80W PH

Item No: 15520

### Dimensions

Length (nom.)	1500,0 mm
Length without pins (max.)	1500,0 mm
Length base - pin (min.)	1504,7 mm
Length base - pin (max.)	1507,1 mm
Length with pins (max.)	1514,2 mm
Diameter (max.)	40,4 mm
Base	G13

### Electrical Data

Supply voltage:	230 V +/-0,2%
Ballast (nominal):	80W / 230V
Lamp wattage (nominal):	75 W +/-5W
Lamp current (nominal)	830 mA
Lamp voltage (nominal)	104 V +/-10V

### Physical Data

UVA Irradiance (315 - 400 nm) <sup>1</sup>	20,0 W/m <sup>2</sup> +/-10%
UVB Irradiance (280 - 315 nm) <sup>1</sup>	130 mW/m <sup>2</sup> +/-10%
UVB/UVA ratio	0,7%
E <sub>er</sub> (250 - 400 nm) <sup>1</sup>	28 mW/m <sup>2</sup> +/-15%
Recommended useful life	800 Hours

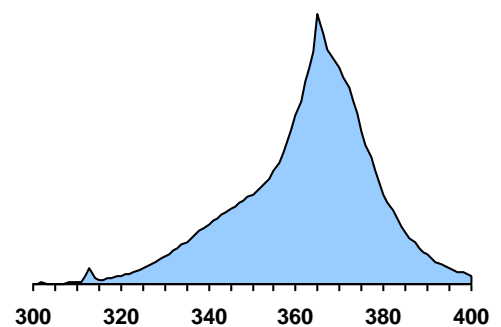
### Lamp Specifications

(typical values acc. IEC / EN 61228)

- a) Dimensions  
- See dimensions
- b) Reflector: 210°
- c) Specified ballast: Cosmopower S 80W / 230V
- d) Electrical data:
  - Lamp power (typical) 75 W
  - Lamp current (typical) 830 mA
  - Lamp voltage (typical) 104 V
- e) Effective Irradiance<sup>1</sup>
  - UV-erythem (250 - 400 nm) 29 mW/m<sup>2</sup>
  - NMSC (250 - 320 nm) 31 mW/m<sup>2</sup>
  - NMSC (321 - 400 nm) 10 mW/m<sup>2</sup>
- f) Aquivalency code 80-R-29/2,9

<sup>1</sup> 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 <sup>2</sup>	First session tanning time in minutes	Maximum tanning time in minutes by skin type		
		2	3	4
210	5,6	14,1	19,8	25,4
260	4,6	11,4	16,0	20,5
310	3,8	9,6	13,4	17,2

#### Typical irradiance of a tanning unit<sup>2</sup>: 260 W/m<sup>2</sup>

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

<sup>2</sup> 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.