

## CLEO Professional 140W -R

FR59 T12 140W HO PH

Item No: 962940140

### 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):	140W / 230V
Lamp wattage (nominal):	118 W +/-5W
Lamp current (nominal)	1580 mA
Lamp voltage (nominal)	86 V +/-10V

### Physical Data

UVA Irradiance (315 - 400 nm) <sup>1</sup>	21,5 W/m <sup>2</sup> +/-10%
UVB Irradiance (280 - 315 nm) <sup>1</sup>	330 mW/m <sup>2</sup> +/-10%
UVB/UVA ratio	1,5%
E <sub>er</sub> (250 - 400 nm) <sup>1</sup>	57 mW/m <sup>2</sup> +/-15%
Recommended useful life	800 Hours

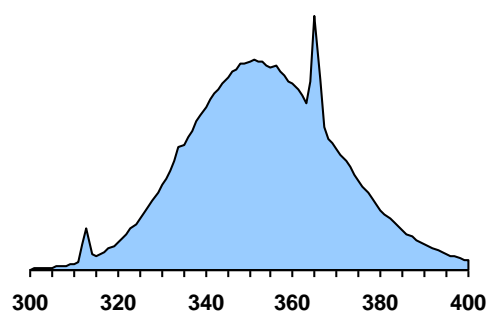
### Lamp Specifications

(typical values acc. IEC / EN 61228)

- a) Dimensions  
- See dimensions
- b) Reflector: 210°
- c) Specified ballast: Cosmopower S 140W / 230V
- d) Electrical data:
  - Lamp power (typical) 118 W
  - Lamp current (typical) 1580 mA
  - Lamp voltage (typical) 86 V
- e) Effective Irradiance<sup>1</sup>
  - UV-erythem (250 - 400 nm) 68 mW/m<sup>2</sup>
  - NMSC (250 - 320 nm) 79 mW/m<sup>2</sup>
  - NMSC (321 - 400 nm) 15 mW/m<sup>2</sup>
- f) Aquivalency code 140-R-68/5,1

<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
290	2,2	5,4	7,6	9,8
340	1,8	4,6	6,5	8,3
390	1,6	4,0	5,6	7,3

### Typical irradiance of a tanning unit<sup>2</sup>: 340 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 17 lamps in the bench and 33 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.