

## CLEO Professional EU 19 R 120W 2.0M

FR79 T12 120W PH

Item No: 31485

### Dimensions

Length (nom.)	2000,0 mm
Length without pins (max.)	2001,3 mm
Length base - pin (min.)	2006,0 mm
Length base - pin (max.)	2008,4 mm
Length with pins (max.)	2015,5 mm
Diameter (max.)	40,4 mm
Base	G13

### Electrical Data

Supply voltage:	230 V +/-0,2%
Ballast (nominal):	120W / 230V
Lamp wattage (nominal):	114 W +/-5W
Lamp current (nominal)	1090 mA
Lamp voltage (nominal)	124 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>	79 mW/m <sup>2</sup> +/-10%
UVB/UVA ratio	0,4%
E <sub>er</sub> (250 - 400 nm) <sup>1</sup>	19 mW/m <sup>2</sup> +/-15%
Recommended useful life	800 Hours

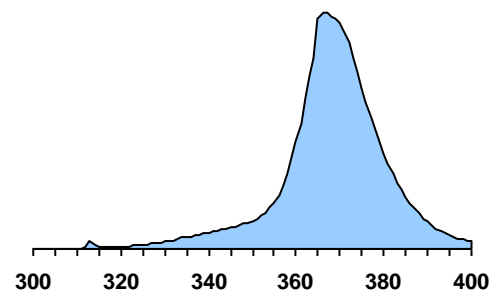
### Lamp Specifications

(typical values acc. IEC / EN 61228)

- a) Dimensions  
- See dimensions
- b) Reflector: 210°
- c) Specified ballast: opower 74201 120W 1,2A 230V
- d) Electrical data:
  - Lamp power (typical) 114 W
  - Lamp current (typical) 1090 mA
  - Lamp voltage (typical) 124 V
- e) Effective Irradiance<sup>1</sup>
  - UV-erythem (250 - 400 nm) 19 mW/m<sup>2</sup>
  - NMSC (250 - 320 nm) 18 mW/m<sup>2</sup>
  - NMSC (321 - 400 nm) 9 mW/m<sup>2</sup>
- f) Aquivalency code 120-R-19/2,0

<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
240	7,7	19,3	27,1	34,8
290	6,4	16,0	22,4	28,8
340	5,5	13,7	19,1	24,6

#### Typical irradiance of a tanning unit<sup>2</sup>: 290 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.