

CLEO Advantage 80W-R

FR59 T12 80W PH

Item No: 986619640

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) ¹	18,0 W/m ² +/-10%
UVB Irradiance (280 - 315 nm) ¹	510 mW/m ² +/-10%
UVB/UVA ratio	2,8%
E _{er} (250 - 400 nm) ¹	78 mW/m ² +/-15%
Recommended useful life	800 Hours

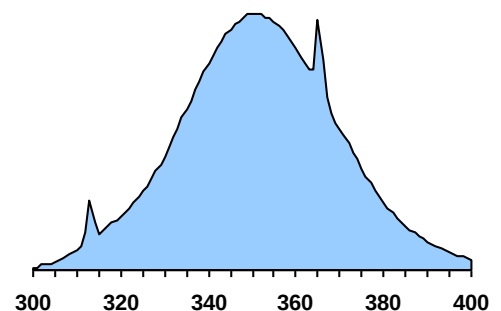
Lamp Specifications

(typical values acc. IEC / EN 61228)

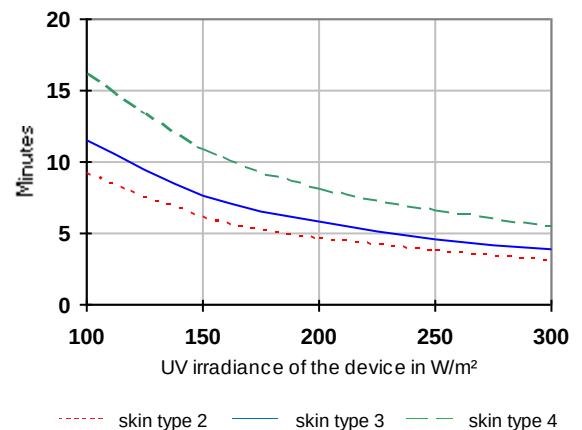
- Dimensions
- See dimensions
- Reflector: 210°
- Specified ballast: Cosmopower S 80W / 230V
- Electrical data:
 - Lamp power (typical) 75 W
 - Lamp current (typical) 830 mA
 - Lamp voltage (typical) 104 V
- Effective Irradiance¹
 - UV-erythem (250 - 400 nm) 81 mW/m²
 - NMSC (250 - 320 nm) 134 mW/m²
 - NMSC (321 - 400 nm) 15 mW/m²
- Aquivalency code 80-R-81/9,2

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

Relative Spectral Distribution



Recommended Exposure Time



Typical irradiance of a tanning unit²: 230 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.