

Caribbean Bronze Red Diamond 160W by Cosm

FR71 T12 160W HO PH EVG / KVG

Item No: 31498

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):	160W / 230V
Lamp wattage (nominal):	139 W +/-5W
Lamp current (nominal)	1770 mA
Lamp voltage (nominal)	89 V +/-10V

Physical Data

UVA Irradiance (315 - 400 nm) ¹	24,0 W/m ² +/-10%
UVB Irradiance (280 - 315 nm) ¹	592 mW/m ² +/-10%
UVB/UVA ratio	2,5%
E _{er} (250 - 400 nm) ¹	102 mW/m ² +/-15%
Recommended useful life	800 Hours

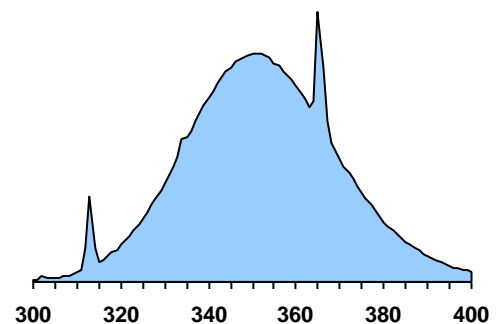
Lamp Specifications

(typical values acc. IEC / EN 61228)

- Dimensions
- See dimensions
- Reflector: 225°
- Specified ballast: Cosmopower S 160W / 230V
- Electrical data:
 - Lamp power (typical) 139 W
 - Lamp current (typical) 1770 mA
 - Lamp voltage (typical) 89 V
- Effective Irradiance¹
 - UV-erythem (250 - 400 nm) 110 mW/m²
 - NMSC (250 - 320 nm) 130 mW/m²
 - NMSC (321 - 400 nm) 20 mW/m²
- Aquivalency code 160-R-110/6,7

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
330	1,2	3,0	4,2	5,3
380	1,0	2,6	3,6	4,6
430	0,9	2,3	3,2	4,1

Typical irradiance of a tanning unit²: 380 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 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.