



NAFTA Code: FR79 T12 180W HO PH
Equivalency Code: 200-R-187/11,3

Item Code: 33073

Electrical data (nominal values)

Lamp power	200 W
Supply voltage	230 V
Ballast	200 W / 230 V

Physical data

UVA flux (315-400 nm) $\pm 10\%$	52 W
UVA irradiance (315-400 nm) $\pm 10\%$	31 W/m ²
UVB irradiance (280-315 nm) $\pm 10\%$	1224 mW/m ²
UVB/UVA ratio	3,9 %
Recommended useful life	1000 hrs

Lamp specifications (acc. IEC/EN 61228)

a) Dimensions (in mm)

Length (nominal)	2.000,0
Length without pins (max)	2.001,3
Length base – pin (min)	2.006,0
Length base – pin (max)	2.008,4
Length with pins (max)	2.015,5
Diameter (nominal/max)	38,0 / 40,5
Base	G13 standard

b) Reflector 210°

c) Specified ballast Cosmopower S 180W/230V

d) Electrical data (rated values)

Lamp power	195 W
Lamp current	2.101 mA
Lamp voltage	104 V

e) Effective irradiance (rated values)

UV-Erythema (250-400 nm) $\pm 15\%$	187 mW/m ²
nmSC (250-320 nm) $\pm 15\%$	322 mW/m ²
nmSC (320-400 nm) $\pm 15\%$	29 mW/m ²

f) Equivalency code 200-R-187/11,3

Examples of exposure times

UVA irradiance	First session tanning time	Maximum tanning time in Min. by skin type		
in W/m ²	in Min.	2	3	4
290	0,9	2,3	3,3	4,2
340	0,8	2,0	2,8	3,6
390	0,7	1,7	2,4	3,1
440	0,6	1,5	2,2	2,8
490	0,6	1,4	1,9	2,5

(depending on the actual UVA irradiance of the sunbed)

Construction elements

Mount	SM
Glass type	open
Light Colour	see picture

Equipment requirements

Starter	200 W / 230 V
Starter t _{close min}	
Starter t _{close max}	
Starter U _{peak min}	
Starter U _{nonrecl max}	
Cathode I _{preheat min}	
Cathode I _{preheat max}	
Operating condition U _{L min}	
Operating condition U _{L max}	
Operating condition I _{L min}	
Operating condition I _{L max}	

Additional specifications

This lamp is intended for sun-tanning purposes only and shall not be used in any other application

Relative spectral distribution

