TECHNICAL DATA SHEET

solarium service

OPTISUN RED 180 W/R 1.9M

NAFTA Code: FR75 T12 180W HO PH
Equivalency Code: 180-R-33/2,9

Item Code: 32104

Electrical data (nominal values)	
Lamp power	180 W
Supply voltage	230 V
Ballast	180 W / 230 V

Physical data	
UVA flux (315-400 nm) ±10%	33 W
UVA irradiance (315-400 nm) ±10%	21 W/m²
UVB irradiance (280-315 nm) ±10%	152 mW/m²
UVB/UVA ratio	0,7 %
Recommended useful life	650 hrs

Lamp specifications (acc. IEC/EN 61228)

a) Dimensions (in mm)	
Length (nominal)	1.900,0
Length without pins (max)	1.901,3
Length base – pin (min)	1.906,0
Length base – pin (max)	1.908,4
Length with pins (max)	1.915,5
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	179 W
Lamp current	1.910 mA
Lamp voltage	107 V

e) Effective irradiance (rated values)	
UV-Erythema (250-400 nm) ±15%	33 mW/m²
nmsc (250-320 mm) ±15%	34 mW/m²
nmsc (320-400 mm) ±15%	12 mW/m²

f) Equivalency code	180-R-33/2,9

Examples of exposure times

UVA irradiance	First session tanning time	Maximum tanning time in Min. by skin type		
in W/m²	*in Min.*	*2*	*3*	*4*
180	5,1	12,8	18,0	23,1
230	4,0	10,1	14,1	18,1
280	3,3	8,3	11,6	14,9
330	2,8	7,0	9,8	12,6
380	2,4	6,1	8,5	11,0

(depending on the actual UVA irradiance of the sunbed)

Construction elements	
Mount	SM
Glass type	open
Light Colour	see picture

Equipment requirements	
Starter	180 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

Relative spectral distribution