



## OPTISUN RED 120 W/R 2,0M

NAFTA Code: FR79 T12 120W PH  
Equivalency Code: 120-R-30/3,9

Item Code: 32103

### Electrical data (nominal values)

Lamp power	120 W
Supply voltage	230 V
Ballast	120 W / 230 V

### Physical data

UVA flux (315-400 nm) $\pm 10\%$	23 W
UVA irradiance (315-400 nm) $\pm 10\%$	14 W/m <sup>2</sup>
UVB irradiance (280-315 nm) $\pm 10\%$	143 mW/m <sup>2</sup>
UVB/UVA ratio	1 %
Recommended useful life	650 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 74201 120W 1,2A 230V

#### d) Electrical data (rated values)

Lamp power	114 W
Lamp current	1.090 mA
Lamp voltage	124 V

#### e) Effective irradiance (rated values)

UV-Erythema (250-400 nm) $\pm 15\%$	30 mW/m <sup>2</sup>
nmSC (250-320 nm) $\pm 15\%$	34 mW/m <sup>2</sup>
nmSC (320-400 nm) $\pm 15\%$	9 mW/m <sup>2</sup>

**f) Equivalency code** 120-R-30/3,9

### Construction elements

Mount	SM
Glass type	open
Light Colour	see picture

### Equipment requirements

Starter	120 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

### Examples of exposure times

UVA irradiance in W/m <sup>2</sup>	First session tanning time in Min.	Maximum tanning time in Min. by skin type		
		2	3	4
80	9,9	24,7	34,6	44,5
130	6,1	15,2	21,3	27,4
180	4,4	11,0	15,4	19,8
230	3,4	8,6	12,0	15,5
280	2,8	7,1	9,9	12,7

(depending on the actual UVA irradiance of the sunbed)

### Relative spectral distribution

