

TECHNICAL DATA SHEET



Cosmofit+ 9 15W

NAFTA Code: F12 T5 15W PH

Equivalency Code: 15-O-9/3,9

Item Code: 10304

Electrical data (nominal values)

Lamp power	15 W
Supply voltage	230 V
Ballast	15 W / 230 V

Physical data

UVA flux (315-400 nm) $\pm 10\%$	3 W
UVA irradiance (315-400 nm) $\pm 10\%$	4 W/m ²
UVB irradiance (280-315 nm) $\pm 10\%$	55 mW/m ²
UVB/UVA ratio	1,3 %
Recommended useful life	500 hrs

Lamp specifications (acc. IEC/EN 61228)

a) Dimensions (in mm)

Length (nominal)	288,0
Length without pins (max)	288,3
Length base – pin (min)	293,0
Length base – pin (max)	295,4
Length with pins (max)	302,5
Diameter (nominal/max)	16,0 / 16,0
Base	G5 standard

b) Reflector

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c) Specified ballast

Helvar L20A 20W/220V 0,37A

d) Electrical data (rated values)

Lamp power	13 W
Lamp current	390 mA
Lamp voltage	40 V

e) Effective irradiance (rated values)

UV-Erythema (250-400 nm) $\pm 15\%$	9 mW/m ²
nmSC (250-320 nm) $\pm 15\%$	11 mW/m ²
nmSC (320-400 nm) $\pm 15\%$	3 mW/m ²

f) Equivalency code

15-O-9/3,9

Construction elements

Mount	SM
Glass type	closed
Light Colour	see picture

Equipment requirements

Starter	15 W / 230 V
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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

Examples of exposure times

UVA irradiance in W/m ²	First session tanning time in Min.	Maximum tanning time in Min. by skin type		
		2	3	4
90	9,0	22,6	31,6	40,7
110	7,4	18,5	25,9	33,3
140	5,8	14,5	20,3	26,1
170	4,8	12,0	16,7	21,5
200	4,1	10,2	14,2	18,3

(depending on the actual UVA irradiance of the sunbed)

Relative spectral distribution

