TECHNICAL DATA SHEET

FIRST CHOICE IN TANNING

COSMOLUX 10K100 R 39 180W 1.9M

NAFTA Code: FR75 T12 180W HO PH
Equivalency Code: 180-R-39/2,3

Item Code: 33097

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%	37 W
UVA irradiance (315-400 nm) ±10%	25 W/m²
UVB irradiance (280-315 nm) ±10%	202 mW/m²
UVB/UVA ratio	0,8 %
Recommended useful life	1000 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	225°

c) Specified ballast	Cosmopower S 180W/230V

d) Electrical data (rated values)	
Lamp power	166 W
Lamp current	2.055 mA
Lamp voltage	91 V

e) Effective irradiance (rated values)	
UV-Erythema (250-400 nm) ±15%	39 mW/m²
nmsc (250-320 mm) ±15%	37 mW/m²
nmsc (320-400 mm) ±15%	16 mW/m²

f) Equivalency code	180-R-39/2,3

Examples of exposure times

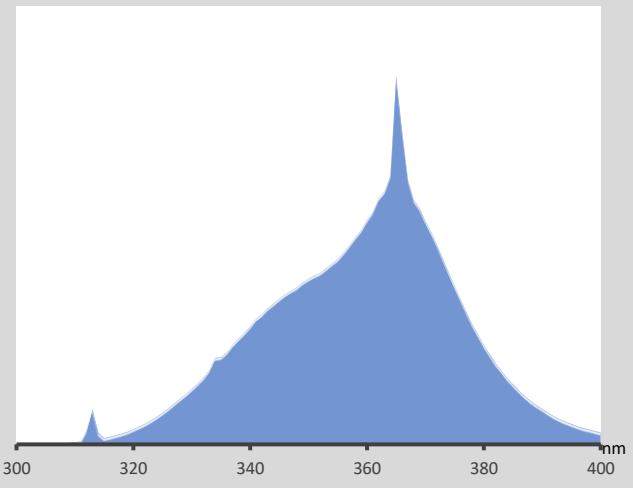
UVA irradiance	First session tanning time	Maximum tanning time in Min. by skin type		
in W/m²	*in Min.*	*2*	*3*	*4*
320	3,8	9,6	13,4	17,3
370	3,3	8,3	11,6	14,9
420	2,9	7,3	10,2	13,1
470	2,6	6,5	9,1	11,7
520	2,4	5,9	8,3	10,6

(depending on the actual UVA irradiance of the sunbed)

Construction elements	
Mount	SM
Glass type	closed
Light Colour	see picture

Equipment requirements	
Starter	180 W / 230 V

Additional specifications

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

Relative spectral distribution