TECHNICAL DATA SHEET

FIRST CHOICE IN TANNING

Cosmolux 10K100 R 32 100W

NAFTA Code: FR71 T12 100W PH
Equivalency Code: 100-R-32/2,7

Item Code: 31079

Electrical data (nominal values)	
Lamp power	100 W
Supply voltage	230 V
Ballast	100 W / 230 V

Physical data	
UVA flux (315-400 nm) ±10%	30 W
UVA irradiance (315-400 nm) ±10%	22 W/m²
UVB irradiance (280-315 nm) ±10%	145 mW/m²
UVB/UVA ratio	0,7 %
Recommended useful life	1000 hrs

Lamp specifications (acc. IEC/EN 61228)

a) Dimensions (in mm)	
Length (nominal)	1.760,0
Length without pins (max)	1.763,8
Length base – pin (min)	1.768,5
Length base – pin (max)	1.770,9
Length with pins (max)	1.778,0
Diameter (nominal/max)	38,0 / 40,5
Base	G13 standard

b) Reflector	225°

c) Specified ballast	Cosmopower S 100W

d) Electrical data (rated values)	
Lamp power	93 W
Lamp current	910 mA
Lamp voltage	119 V

e) Effective irradiance (rated values)	
UV-Erythema (250-400 nm) ±15%	32 mW/m²
nmsc (250-320 mm) ±15%	31 mW/m²
nmsc (320-400 mm) ±15%	12 mW/m²

f) Equivalency code	100-R-32/2,7

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*
190	6,2	15,6	21,8	28,0
240	4,9	12,3	17,2	22,2
290	4,1	10,2	14,3	18,4
340	3,5	8,7	12,2	15,7
390	3,0	7,6	10,6	13,6

(depending on the actual UVA irradiance of the sunbed)

Construction elements	
Mount	SM
Glass type	open
Light Colour	see picture

Equipment requirements	
Starter	100 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

