TECHNICAL DATA SHEET

Cosmedico®
FIRST CHOICE IN TANNING

COSMOLUX VHR 9K90 160W

NAFTA Code: FR71 T12 160W VHO PH
Equivalency Code: 160-R-79/6,1

Item Code: 16475

Electrical data (nominal values)	
Lamp power	160 W
Supply voltage	230 V
Ballast	160 W / 230 V

Physical data	
UVA flux (315-400 nm) ±10%	49 W
UVA irradiance (315-400 nm) ±10%	35 W/m²
UVB irradiance (280-315 nm) ±10%	398 mW/m²
UVB/UVA ratio	1,2 %
Recommended useful life	1200 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	210°

c) Specified ballast	Cosmopower S 160W/230V

d) Electrical data (rated values)	
Lamp power	159 W
Lamp current	1.500 mA
Lamp voltage	127 V

e) Effective irradiance (rated values)	
UV-Erythema (250-400 nm) ±15%	79 mW/m²
nmsc (250-320 mm) ±15%	107 mW/m²
nmsc (320-400 mm) ±15%	18 mW/m²

f) Equivalency code	160-R-79/6,1

Examples of exposure times

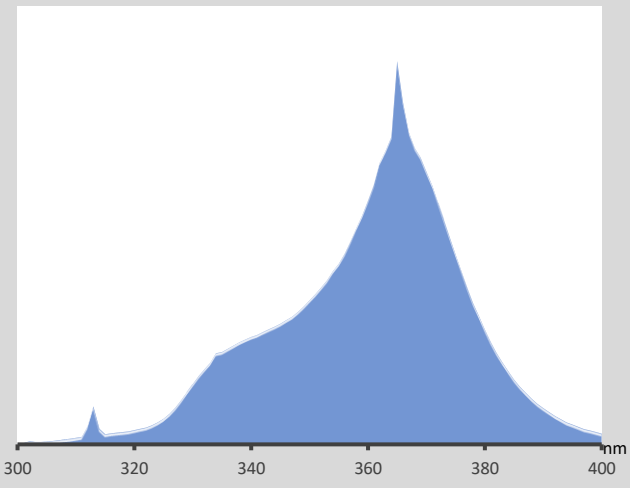
UVA irradiance	First session tanning time	Maximum tanning time in Min. by skin type		
in W/m²	*in Min.*	*2*	*3*	*4*
420	1,7	4,2	5,9	7,5
470	1,5	3,7	5,2	6,7
520	1,4	3,4	4,7	6,1
570	1,2	3,1	4,3	5,6
620	1,1	2,8	4,0	5,1

(depending on the actual UVA irradiance of the sunbed)

Construction elements	
Mount	LM
Glass type	open
Light Colour	see picture

Equipment requirements	
Starter	160 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