

TECHNICAL DATA SHEET

iSOLde

Professional tanning lamps



Cleo Compact 20W

NAFTA code: F18 T8 20W PH
Equivalency code: 20-O-17/6,3

Item code: 32689

Electrical data (nominal values)

Lamp power	20 W
Supply voltage	230 V
Ballast	20W / 230V

Physical data

UVA flux (315-400 nm) $\pm 10\%$	5 W
UVA irradiance (315-400 nm) $\pm 10\%$	4 W
UVB irradiance (280-315 nm) $\pm 10\%$	76 mW/m ²
UVB/UVA ratio	2,1 %
Recommended useful life	500 hrs

Lamp specifications (acc. IEC/EN 61228)

a) Dimensions (in mm)

Length (nominal)	438,0
Length without pins (max)	437,4
Length base – pin (min)	442,1
Length base – pin (max)	444,5
Length with pins (max)	451,6
Diameter (nominal/max)	26,0 / 28,5
Base	G13 standard

b) Reflector

c) Specified ballast Weltor LXV 15/26 (15W) + LXV 6 (6W)

d) Electrical data (rated values)

Lamp power	20 W
Lamp current	370 mA
Lamp voltage	55 V

e) Effective irradiance (rated values)

UV-Erythema (250-400 nm) $\pm 15\%$	17 mW/m ²
nmsc (250-320 nm) $\pm 15\%$	25 mW/m ²
nsmc (320-400 nm) $\pm 15\%$	4 mW/m ²

f) Equivalency code 20-O-17/6,3

Construction elements

Mount	SM
Glass type	closed
Light Colour	see picture

Equipment requirements

Starter	20W / 230V
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 W/m ²	First session tanning time Min.	Maximum tanning time in Min. by skin type		
		2	3	4
30	16,3	40,8	57,2	73,5
40	12,3	30,6	42,9	55,1
50	9,8	24,5	34,3	44,1
60	8,2	20,4	28,6	36,8
70	7,0	17,5	24,5	31,5

(depending on the actual UVA irradiance of the sunbed)

Relative spectral distribution

