# TECHNICAL DATA SHEET

Cosmedico®
FIRST CHOICE IN TANNING

## COSMOLUX 10K100 R 143 180W 1.9M

NAFTA Code: FR75 T12 180W HO PH
Equivalency Code: 180-R-143/8,3

**Item Code: 30992**

| **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% | 42 W |
| UVA irradiance (315-400 nm) ±10% | 28 W/m² |
| UVB irradiance (280-315 nm) ±10% | 758 mW/m² |
| UVB/UVA ratio | 2,7 % |
| 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 | 167 W |
| Lamp current | 2.060 mA |
| Lamp voltage | 91 V |

| **e) Effective irradiance** (rated values) | |
|---|---|
| UV-Erythema (250-400 nm) ±15% | 143 mW/m² |
| nmsc (250-320 mm) ±15% | 190 mW/m² |
| nmsc (320-400 mm) ±15% | 23 mW/m² |

| **f) Equivalency code** | 180-R-143/8,3 |
|---|---|

### Examples of exposure times

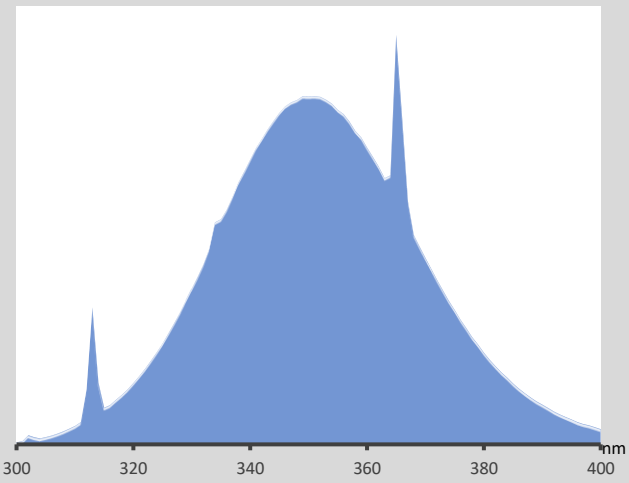
| UVA irradiance | First session tanning time | Maximum tanning time in Min. by skin type | | |
|---|---|---|---|---|
| *in W/m²* | *in Min.* | *2* | *3* | *4* |
| 340 | 1,1 | 2,7 | 3,8 | 4,9 |
| 390 | 0,9 | 2,4 | 3,3 | 4,2 |
| 440 | 0,8 | 2,1 | 2,9 | 3,8 |
| 490 | 0,7 | 1,9 | 2,6 | 3,4 |
| 540 | 0,7 | 1,7 | 2,4 | 3,1 |

(depending on the actual UVA irradiance of the sunbed)

| **Construction elements** | |
|---|---|
| Mount | SM |
| Glass type | open |
| 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