# TECHNICAL DATA SHEET

Cosmedico®
FIRST CHOICE IN TANNING

## COSMOFIT+ R 40 100W

NAFTA Code: FR71 T12 100W PH
Equivalency Code: 100-R-40/4,0

**Item Code: 15169**

| **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% | 31 W |
| UVA irradiance (315-400 nm) ±10% | 21 W/m² |
| UVB irradiance (280-315 nm) ±10% | 199 mW/m² |
| UVB/UVA ratio | 1 % |
| Recommended useful life | 800 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 100W |
|---|---|

| **d) Electrical data** (rated values) | |
|---|---|
| Lamp power | 92 W |
| Lamp current | 920 mA |
| Lamp voltage | 115 V |

| **e) Effective irradiance** (rated values) | |
|---|---|
| UV-Erythema (250-400 nm) ±15% | 40 mW/m² |
| nmsc (250-320 mm) ±15% | 50 mW/m² |
| nmsc (320-400 mm) ±15% | 12 mW/m² |

| **f) Equivalency code** | 100-R-40/4,0 |
|---|---|

### Examples of exposure times

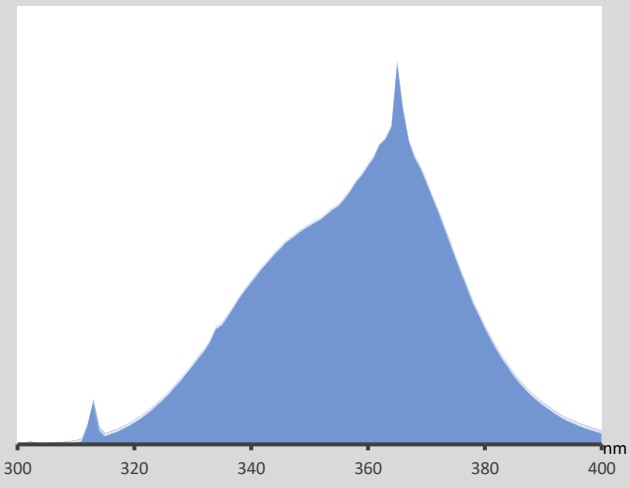
| UVA irradiance | First session tanning time | Maximum tanning time in Min. by skin type | | |
|---|---|---|---|---|
| *in W/m²* | *in Min.* | *2* | *3* | *4* |
| 150 | 5,6 | 13,9 | 19,4 | 25,0 |
| 200 | 4,2 | 10,4 | 14,6 | 18,8 |
| 250 | 3,3 | 8,3 | 11,7 | 15,0 |
| 300 | 2,8 | 6,9 | 9,7 | 12,5 |
| 350 | 2,4 | 6,0 | 8,3 | 10,7 |

(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 |

**Additional specifications**

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

### Relative spectral distribution