



OPTISUN RED 100 W/R

NAFTA Code: FR71 T12 100W PH
Equivalency Code: 100-R-27/2,7

Item Code: 31605

Electrical data (nominal values)

| | |
|----------------|---------------|
| Lamp power | 100 W |
| Supply voltage | 230 V |
| Ballast | 100 W / 230 V |

Physical data

| | |
|--|-----------------------|
| UVA flux (315-400 nm) $\pm 10\%$ | 22 W |
| UVA irradiance (315-400 nm) $\pm 10\%$ | 15 W/m ² |
| UVB irradiance (280-315 nm) $\pm 10\%$ | 119 mW/m ² |
| UVB/UVA ratio | 0,8 % |
| Recommended useful life | 650 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 | 925 mA |
| Lamp voltage | 116 V |

e) Effective irradiance (rated values)

| | |
|-------------------------------------|----------------------|
| UV-Erythema (250-400 nm) $\pm 15\%$ | 27 mW/m ² |
| nmSC (250-320 nm) $\pm 15\%$ | 25 mW/m ² |
| nmSC (320-400 nm) $\pm 15\%$ | 9 mW/m ² |

f) Equivalency code 100-R-27/2,7

Examples of exposure times

| UVA irradiance in W/m ² | First session tanning time in Min. | Maximum tanning time in Min. by skin type | | |
|---------------------------------------|---------------------------------------|--|------|------|
| | | 2 | 3 | 4 |
| 80 | 11,1 | 27,6 | 38,7 | 49,7 |
| 130 | 6,8 | 17,0 | 23,8 | 30,6 |
| 180 | 4,9 | 12,3 | 17,2 | 22,1 |
| 230 | 3,8 | 9,6 | 13,5 | 17,3 |
| 280 | 3,2 | 7,9 | 11,1 | 14,2 |

(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

