

Technical Data

NewColors

Tanning Tube OH N Speedster 100 HXL+R

UV-Code:^{**} 100-R-93/8,9

Article No.: 80024154

Dimensions:

See drawing (not to scale)
 Socket: G13 / BiPin
 Reflector: with reflector, type R (reflector angle 210 °)

Electrical Data:

Lamp Wattage nom.: 100 W
 Lamp Voltage: 120 V
 Lamp Current: 1,0 A
 Open-circuit voltage: 230 V / 50 Hz
 Ballast: Ballast 100 LP
 Starter: OH Suncare Standard 25 - 100 W
 Compensation: 10,0 µF(± 10% 250V)

Operation conditions:

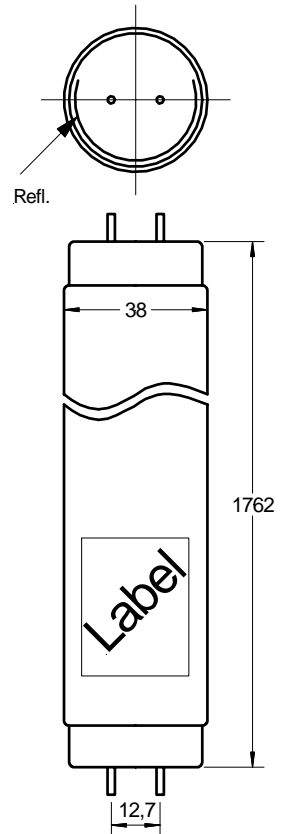
Cooling: Convection
 Burning Position: Horizontal
 Surrounding temperature: 25 °C ±1°C

Irradiation Data:

UVA Output: 30 W
 UVB Output: 3,0 %
 Sun erythema factor:^{*} 0,31
 Luminous colour: Standard blue
 (UVB:280-315 nm; UVA:315-400 nm)
 $E_{er} \text{ total:}^* \quad 92,9 \text{ mW/m}^2$
 $E_{er} \leq 320:^* \quad 76,3 \text{ mW/m}^2$
 $E_{er} > 320:^* \quad 16,6 \text{ mW/m}^2$
 $E_{NMSC} \text{ total:}^* \quad 177,4 \text{ mW/m}^2$
 $E_{NMSC} \leq 320/E_{NMSC} > 320:^* \quad 8,9$
 $E_{pi}:^* \quad 18,0 \text{ W/m}^2$

Lifetime:

Standard lifetime: 800 h
 Reduction of UV-intensity: ≤ 30 % (315-400 nm) after 600 h
 Based on: 20 h - value



The data given are based on average data and has been determined by measurements made in the laboratory under standard conditions. There could be minor deviations due to technical and/or physical reasons.

^{*} These irradiation data of a single tube have been measured in a distance of 25 cm.

^{**} Valid with 1h preageing process, 25 cm distance between tube surface and sensor, in thermal balance.

Heraeus reserves the right to alter the illustrations and technical data in this Technical Data Sheet. The latest updated version of the Technical Data Sheet is prevailing. It is within the customer's responsibility to check whether he is in possession of the latest updated version of the Technical Data Sheet."

| Sunbed intensity *1 (315-400 nm) | UV- *2 Device type | First tanning time *3 | Tanning time in minutes *3 | | | MED/h Skin type 3 | UV- *4 Index |
|-------------------------------------|-----------------------|-----------------------|----------------------------|-------------|-------------|----------------------|-----------------|
| | | | Skin type 2 | Skin type 3 | Skin type 4 | | |
| 21 mW/cm ² | No | 2 min | 6 min | 8 min | 10 min | 7 | 29 |
| 25 mW/cm ² | No | 2 min | 5 min | 7 min | 9 min | 9 | 34 |
| 29 mW/cm ² | No | 2 min | 4 min | 6 min | 8 min | 10 | 39 |
| 33 mW/cm ² | No | 1 min | 4 min | 5 min | 7 min | 11 | 45 |

*1 UVA- Sunbed intensity, measured in height of the skin surface; *2 Referring DIN EN 60335-2-27; *3 Referring DIN 5050 Part 2; *4 Referring BfS

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