

## Technical Data

# MagicSun

## Tanning Tube OH M 16/100 R

UV-Code:<sup>\*\*</sup> 100-R-59/5,2

Article No.: 45006398

**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: 1,8 %  
 Sun erythema factor:<sup>\*</sup> 0,20  
 Luminous colour: Standard blue  
 (UVB:280-315 nm; UVA:315-400 nm)  
 $E_{er \text{ total}}^*$ : 58,5 mW/m<sup>2</sup>       $E_{NMSC \text{ total}}^*$ : 99,5 mW/m<sup>2</sup>  
 $E_{er \leq 320}^*$ : 42,8 mW/m<sup>2</sup>       $E_{NMSC \leq 320} / E_{NMSC > 320}^*$ : 5,2  
 $E_{er > 320}^*$ : 15,7 mW/m<sup>2</sup>       $E_{pi}^*$ : 17,7 W/m<sup>2</sup>

**Lifetime:**  
 Standard lifetime: 1.000 h  
 Reduction of UV-intensity: ≤ 20 % ( 315-400 nm ) after 700 h  
 Based on: 20 h - value

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

<sup>\*</sup> These irradiation data of a single tube have been measured in a distance of 25 cm.

<sup>\*\*</sup> Valid with 1h preageing process, 25 cm distance between tube surface and sensor, in thermal balance.

Sunbed intensity <sup>*1</sup> (315-400 nm)	UV- <sup>*2</sup> Device type	First <sup>*3</sup> tanning time	Tanning time in minutes <sup>*3</sup>			MED/h Skin type 3	UV- <sup>*4</sup> Index
			Skin type 2	Skin type 3	Skin type 4		
26 mW/cm <sup>2</sup>	No	3 min	7 min	10 min	13 min	6	23
30 mW/cm <sup>2</sup>	No	2 min	6 min	9 min	11 min	7	27
35 mW/cm <sup>2</sup>	No	2 min	5 min	8 min	10 min	8	31
39 mW/cm <sup>2</sup>	No	2 min	5 min	7 min	9 min	9	35

<sup>\*1</sup> UVA- Sunbed intensity, measured in heighth of the skin surface; <sup>\*2</sup> Referring DIN EN 60335-2-27; <sup>\*3</sup> Referring DIN 5050 Part 2; <sup>\*4</sup> Referring B

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