

## Cosmedico Collagen Pro Tan 160W-R

FR71 T12 160W HO PH

**Item No: 30563**

### Dimensions

|                            |           |
|----------------------------|-----------|
| Length (nom.)              | 1760,0 mm |
| Length without pins (max.) | 1763,8 mm |
| Length base - pin (min.)   | 1768,5 mm |
| Length base - pin (max.)   | 1770,9 mm |
| Length with pins (max.)    | 1778,0 mm |
| Diameter (max.)            | 40,4 mm   |
| Base                       | G13       |

### Electrical Data

|                         |               |
|-------------------------|---------------|
| Supply voltage:         | 230 V +/-0,2% |
| Ballast (nominal):      | 160W / 230V   |
| Lamp wattage (nominal): | 145 W +/-5W   |
| Lamp current (nominal)  | 1760 mA       |
| Lamp voltage (nominal)  | 92 V +/-10V   |

### Physical Data

|                                             |                              |
|---------------------------------------------|------------------------------|
| UVA Irradiance (315 - 400 nm) <sup>1</sup>  | 14,5 W/m <sup>2</sup> +/-10% |
| UVB Irradiance (280 - 315 nm) <sup>1</sup>  | 105 mW/m <sup>2</sup> +/-10% |
| UVB/UVA ratio                               | 0,7%                         |
| E <sub>er</sub> (250 - 400 nm) <sup>1</sup> | 24 mW/m <sup>2</sup> +/-15%  |
| Recommended useful life                     | 800 Hours                    |

### Lamp Specifications

(typical values acc. IEC / EN 61228)

- a) Dimensions  
- See dimensions
- b) Reflector: 210°
- c) Specified ballast: Cosmopower S 160W / 230V
- d) Electrical data:
  - Lamp power (typical) 145 W
  - Lamp current (typical) 1760 mA
  - Lamp voltage (typical) 92 V
- e) Effective Irradiance<sup>1</sup>
  - UV-erythem (250 - 400 nm) 30 mW/m<sup>2</sup>
  - NMSC (250 - 320 nm) 24 mW/m<sup>2</sup>
  - NMSC (321 - 400 nm) 8 mW/m<sup>2</sup>
- f) Aquivalency code 160-R-30/3,2

<sup>1</sup> acc. IEC measured in a distance of 25 cm to the lamp axis under stable operating conditions

### Relative Spectral Distribution

### Recommended Exposure Time

| UVA irradiance<br><br>in W/m <sup>2</sup> | First session tanning time<br><br>in minutes | Maximum tanning time<br><br>in minutes<br>by skin type |      |      |
|-------------------------------------------|----------------------------------------------|--------------------------------------------------------|------|------|
|                                           |                                              | 2                                                      | 3    | 4    |
| 180                                       | 5,6                                          | 14,0                                                   | 19,6 | 25,2 |
| 230                                       | 4,4                                          | 10,9                                                   | 15,3 | 19,7 |
| 280                                       | 3,6                                          | 9,0                                                    | 12,6 | 16,2 |

#### Typical irradiance of a tanning unit<sup>2</sup>: 230 W/m<sup>2</sup>

Data regarding effective dose and recommended tanning times, are basing on norm DIN EN 60335-2-27.

<sup>2</sup> The tanning unit of reference contains 17 lamps in the bench and 33 lamps in the canopy. The bench is covered by double acrylics and the canopy by a single one. Please contact the equipment manufacturer, for individual irradiance of your solarium. These information are for orientation use only and have to be coordinated / adjusted individually.