

Kompaktní zářivka

## PL-S 11W Aquarium 10000K White G23

Order Number  
**221013000**

EAN13  
**8595209911575**

ILCOS  
**FSD-11/100/1B-I-G23**



### General information

|                       |                                     |
|-----------------------|-------------------------------------|
| Product description:  | LD 11W/10K OCEANIC NATURAL DAYLIGHT |
| Model/Description:    | Kompaktní zářivka                   |
| Finish:               | Dvoupinová                          |
| Brand/Manufacturer:   | NBB                                 |
| Nominal service life: | 10.000 h.                           |

### Electrical characteristics

|                                 |                     |
|---------------------------------|---------------------|
| Nominal wattage:                | 11 W                |
| Rated power:                    | 10,8 W              |
| Operating voltage:              | 91 V                |
| Type of Voltage:                | AC                  |
| Type of glowstarter:            | SINGLE Glow starter |
| Lamp operating current:         | 150 mA              |
| Direct connection to the mains: | Ne                  |

### Physical characteristics

|                 |                  |
|-----------------|------------------|
| Cap:            | G23              |
| Dimensions:     | 30 x 18 x 238 mm |
| Packing method: | 50/1             |
| Weight net:     | 50 g             |
| Weight gross:   | 70 g             |

### EuP Parameters

|                     |           |
|---------------------|-----------|
| Rated service life: | 10.000 h. |
|---------------------|-----------|

|  |                     |
|--|---------------------|
| Average Lifetime B50:                    | 10.000 h.           |
| Energy consumption (AGGR) kWh / 1.000 h: | 13,66               |
| Luminescence Life maintenance factor :   | 50,0 %              |
| Number of maximal switching cycles:      | > 20.000 warm start |

### Working conditions

|   |                                  |
|---|----------------------------------|
| Operating frequency:                    | 50/60 Hz                         |
| Dimmable by conventional dimmers:       | ne                               |
| Dimmable:                               | Ano                              |
| Operating ambiente temperature - Ta °C: | 25°C                             |
| Burning position:                       | Universal                        |
| Method of use:                          | Pro mořská a sladkovodní akvária |

### Lighting characteristics

|   |                  |
|---|------------------|
| Lum. flux after 100 hrs. oper.:         | 647 lm           |
| Nom. lum. flux:                         | 650 lm           |
| CCT:                                    | 10.000 K         |
| Correlated colour temperature CCT (EM): | 9.092 K          |
| Type of spectrum:                       | Třípásmové       |
| Color rendering:                        | 1B               |
| Colour Code:                            | 10K              |
| Light Colour:                           | Narural daylight |
| Wavelength range (nm):                  | 380-780 nm       |
| Dominant wavelength:                    | 545 nm           |
| Chromaticity coordinates x:             | 0,286            |
| Chromaticity coordinates y:             | 0,294            |
| Colour rendering index CRI:             | 87 Ra8           |

### Radiation in the UV range

|                |                          |
|----------------|--------------------------|
| UVA radiation: | 0,085 µW/cm <sup>2</sup> |
| UVB radiation: | 0,000 µW/cm <sup>2</sup> |
| UVC radiation: | 0,000 µW/cm <sup>2</sup> |
| UVC radiation: | 0,000 µW/cm <sup>2</sup> |

### Environmental characteristics

|                               |        |
|-------------------------------|--------|
| Maximum mercury content (mg): | 1,4 mg |
|-------------------------------|--------|

### Energetic characteristics

|                    |       |
|--------------------|-------|
| Lamp power factor: | 0,843 |
|--------------------|-------|

|                               |         |
|-------------------------------|---------|
| Rated efficiency after 100h.: | 99,99 % |
|-------------------------------|---------|

|                       |            |
|-----------------------|------------|
| Lamp efficacy (lm/W): | 58,30 lm/W |
|-----------------------|------------|

### Lamp survival factor (LSF)

|                      |        |
|----------------------|--------|
| LSF after 2.000 hrs: | 98,2 % |
|----------------------|--------|

|                      |        |
|----------------------|--------|
| LSF after 4.000 hrs: | 96,3 % |
|----------------------|--------|

|                      |        |
|----------------------|--------|
| LSF after 6.000 hrs: | 91,3 % |
|----------------------|--------|

|                      |        |
|----------------------|--------|
| LSF after 8.000 hrs: | 87,0 % |
|----------------------|--------|

|                       |        |
|-----------------------|--------|
| LSF after 10.000 hrs: | 50,0 % |
|-----------------------|--------|

### Lamp lumen maintenance factor

|                       |        |
|-----------------------|--------|
| LLMF after 2.000 hrs: | 85,0 % |
|-----------------------|--------|

|                       |        |
|-----------------------|--------|
| LLMF after 4.000 hrs: | 78,0 % |
|-----------------------|--------|

|                       |        |
|-----------------------|--------|
| LLMF after 6.000 hrs: | 75,0 % |
|-----------------------|--------|

|                       |        |
|-----------------------|--------|
| LLMF after 8.000 hrs: | 73,0 % |
|-----------------------|--------|

|                        |        |
|------------------------|--------|
| LLMF after 10.000 hrs: | 70,0 % |
|------------------------|--------|

### EuP regulations

|                                       |    |
|---------------------------------------|----|
| Product is subject to EUP regulation: | Ne |
|---------------------------------------|----|

|                           |             |
|---------------------------|-------------|
| Indication of regulation: | EC/245/2009 |
|---------------------------|-------------|

|                       |                        |
|-----------------------|------------------------|
| Reason for exception: | Příloha 1, písm. a, c, |
|-----------------------|------------------------|

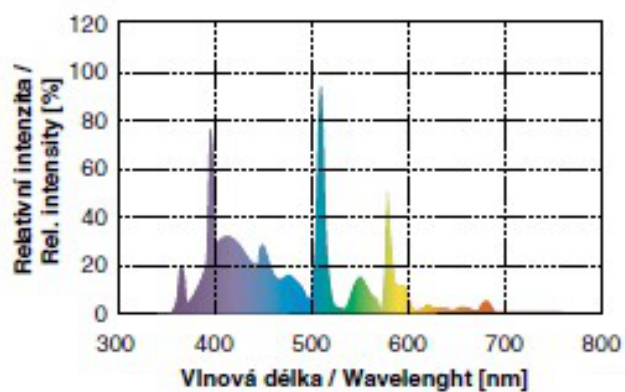
|                                 |     |
|---------------------------------|-----|
| The rate of premature failures: | <1% |
|---------------------------------|-----|

### Mounting methods

|                             |     |
|-----------------------------|-----|
| Suitable for domestic use.: | ano |
|-----------------------------|-----|

### Safety information

## Spectral curve

**Description**

Series of fluorescent tubes with special colour spectrums. The series includes types like Aquarium Colour, Actinic Blue 03 and Oceanic Natural Daylight. These tubes are mostly designed to illuminate aquatic fauna in freshwater and marine aquariums, some types are also suitable for illumination of the marine corals.

NBB BOHEMIA s.r.o., Sidliste 693, Benesov nad Ploucnici 407 22 [www.nbb.cz](http://www.nbb.cz) 03.03.2015