



NBB Bohemia s.r.o.

Výroba a prodej osvětlovací techniky, Sídliště 693, 407 22 Benešov nad Ploučnicí

Product Data Sheet

Kompaktní zářivka AQUA

PL-S 11W Aquarium 20000K White G23



Order number

221014000

Unit EAN13 code

8595209920904

General information

| | |
|--|--|
| Model/Description | Kompaktní zářivka |
| Finish | Single |
| Brand/Manufacturer | NBB |
| Nominal service life (h) | 10000 h |
| Colour | Ostatní |
| Socket | G23 (2-pins) |
| Dimmable | Ne |
| Energy efficiency class (canceled regulation!) | B |
| Amalgam technology | Ano |
| Dimmable by conventional dimmers | Ne |
| Název položky | LD 11W/20K Oceanic natural daylight 20K G23 |

Electrical characteristics

| | |
|--------------------------------|----------------------------|
| Nominal wattage | 11 W |
| Rated power (W) | 10,8 W |
| Operating voltage (V) | 91 V |
| Type of Voltage | AC |
| Lamp operating current | 0,15 A |
| Direct connection to the mains | Ne |
| Lamp power | 11 W |
| Ignitor | SINGLE Glow starter |

Working conditions

| | |
|---------------------|-------------------|
| Operating frequency | 50 - 60 Hz |
| Burning position | Libovolná |

| | |
|---------------------------------|----------------------------------|
| Suitable for domestic use. | Ano |
| Application | Pro mořská a sladkovodní akvária |
| Integrated starter | Ano |
| Suitable for electronic ballast | Ano |
| Ambient temperature | 25 - 35 °C |
| Number of lighting tubes | 2 |
| Special application | Sladkovodní akvária |

Physical characteristics

| | |
|-----------------|------------------|
| Dimensions (mm) | 30 x 18 x 238 mm |
| Packing method | 50 - 1 |
| Weight gross | 70 g |
| Weight netto | 50 g |
| Total lenght | 238 mm |
| Diameter | 18 mm |

EuP Parameters

| | |
|--------------------------------------|---------------------|
| Average Lifetime B50 (h) | 10000 h |
| Luminescence Life maintenance factor | 50,0 % |
| Number of maximal switching cycles | > 20.000 warm start |
| The rate of premature failures | <1 % |
| Rated service life | 10000 h |
| Energy consumption (AGGR) | 13,81 kWh/1000h |

Lighting characteristics

| | |
|---------------------------------|------------------|
| Type of spectrum | Třípásmové |
| Color rendering | 1B |
| Light Colour | natural daylight |
| Wavelength range | 380 - 780 nm |
| Dominant wavelength | 545 nm |
| Luminous flux | 520 lm |
| Colour temperature | 20000 K |
| Colour rendering index CRI | 81 Ra |
| Colour of light acc. EN 12464-1 | Cool >5300 K |
| Chromaticity coordinates x | 0,268 |
| Chromaticity coordinates y | 0,277 |

Radiation in the UV range

| | |
|---------------|---------------------|
| UVA radiation | 0,085 µW/cm2 mW/klm |
| UVB radiation | 0,000 µW/cm2 mW/klm |
| UVC radiation | 0,000 µW/cm2 mW/klm |
| UVC radiation | 0,000 µW/cm2 mW/klm |

Safety information

| | |
|---------------------|--|
| Safety instructions | www.nbb.cz |
|---------------------|--|

Environmental characteristics

| | |
|-----------------|--------|
| Mercury content | 1,4 mg |
|-----------------|--------|

Energetic characteristics

| | |
|-----------------------------|------------|
| Lamp Power factor (PF) | 0,843 |
| Rated efficiency after 100h | 99,99 % |
| Lamp efficacy | 47,27 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)

| | |
|-----------------------|--------|
| 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 % |

Exclusion of liability

Changes to data are subject to prior notice. NBB Bohemia s.r.o. accepts no responsibility for damages caused by inaccurate interpretation of the content on this site.

Safety instructions

When replacing a fluorescent tube, first disconnect the luminaire from the electrical current supply. First remove the fluorescent lamp from the fixture and then install a new one. Take care to ensure that the product is not broken. Install the new fluorescent lamp by gently inserting it and turning it into the sides of the luminaire to any side. Only use the product in the luminaires designed for this type of light source. The manufacturer can not be held responsible for damages resulting from inappropriate connection, connection to an unsuitable distribution system, or damage resulting from the use of an unsuitable light source. Observe the operating values on the product. Do not expose the product to inappropriate weathering or high temperatures unless it is expressly stated that the product is intended to be operated under these conditions. When installing, wiring or disassembling, follow the generally accepted safety precautions. After installing a new fluorescent lamp, close the enclosure with original covers - to prevent possible electric shock. Only then connect the luminaire to the electrical circuit.

Popis

Compact fluorescent lamps for lighting of aquarium plants and animals.

Color temperature 20,000 K.

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