



**NBB Bohemia s.r.o.**

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



## Product Data Sheet

Kompaktní zářivka germicidní UVC 254nm

# PL-S 11W/UV-C G23 Germicidal compact lamp



Order number

**221030000**

Unit EAN13 code

**8595209911773**

### General information

Model/Description	<b>Germicidal fLuorescent lamps</b>
Finish	<b>Single</b>
Brand/Manufacturer	<b>NBB</b>
Colour	<b>Ostatní</b>
Socket	<b>G23 (2-pins)</b>
Dimmable	<b>Ano</b>
Amalgam technology	<b>Ne</b>
Dimmable by conventional dimmers	<b>Ne</b>
Název položky	<b>LD 11W/UV-C GERMICIDAL G23</b>

### Electrical characteristics

Nominal wattage	<b>11 W</b>
Rated power (W)	<b>11,0 W</b>
Operating voltage (V)	<b>91 V</b>
Type of Voltage	<b>AC</b>
Direct connection to the mains	<b>Ne</b>
Lamp power	<b>11 W</b>
Ignitor	<b>SINGLE Glow starter</b>
Nominal current (A)	<b>0,15 A</b>
Total power (W) (light fitting)	<b>11 W</b>

### Working conditions

Ozone production	<b>Ne</b>
Burning position	<b>Libovolná</b>
Application	<b>Desinfekce/desinfection</b>

Integrated starter	Ano
Suitable for electronic ballast	Ano
Ambient temperature	25 °C
Number of lighting tubes	2
Special application	Ostatní

#### Physical characteristics

Dimensions (mm)	30 x 18 x 238 mm
Packing method	50 - 1
Weight gross	60 g
Weight netto	40 g
Total lenght	238 mm
Diameter	30 mm

#### EuP Parameters

Average Lifetime B50 (h)	8000 h
Luminescence Life maintenance factor	50 %
The rate of premature failures	<1 %
Rated service life	8000 h

#### Lighting characteristics

Type of spectrum	Germicidal
Wavelength range	200 - 600 nm
Dominant wavelength	254 nm
UVC radiator	Ano
Type of UV radiation	UVC
Chromaticity coordinates x	0,227
Chromaticity coordinates y	0,240

#### Radiation in the UV range

UVA radiation	0,522 $\mu$ W/cm <sup>2</sup> mW/klm
UVB radiation	0,145 $\mu$ W/cm <sup>2</sup> mW/klm
UVC radiation	7,353 $\mu$ W/cm <sup>2</sup> mW/klm
UVC radiation	7,287 $\mu$ W/cm <sup>2</sup> mW/klm

#### Safety information

Radiation dangerous to life	Ano
Safety instructions	<a href="http://www.nbb.cz">www.nbb.cz</a>

#### Environmental characteristics

Mercury content	4,0 mg
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#### Energetic characteristics

Lamp Power factor (PF)	0,839
Rated efficiency after 100h	99,9 %

### Lamp survival factor (LSF)

LSF after 2.000 hrs	90,0 %
LSF after 8.000 hrs	50,0 %

### Lamp lumen maintenance factor (LLMF)

LLMF after 2.000 hrs	80,0 %
LLMF after 8.000 hrs	60,0 %

### Exclusion of liability

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### 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

UV-C emitter with G23 socket, wave length 254nm. Dangerous ultraviolet rays!

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