



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

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



## Product Data Sheet

Sodíková výbojka

## T TYPE HIGH PRESSURE SODIUM LAMP



Order number

**746311000**

Unit EAN13 code

**8595209923394**

### General information

Model/Description	<b>Sodíková výbojka/Sodium lamp</b>
Finish	<b>Vysokotlaká/HID</b>
Brand/Manufacturer	<b>NBB</b>
Bulb finish	<b>clear</b>
Nominal service life (h)	<b>24000 h</b>
Model	<b>Čirá</b>
Socket	<b>E27</b>
Dimmable	<b>Ano</b>
Energy efficiency class (canceled regulation!)	<b>A</b>
Dimmable by conventional dimmers	<b>Ne</b>
Název položky	<b>HPS-T 50W E27 NBB STANDARD</b>
Třída energetické účinnosti podle 2019/2015	<b>G</b>

### Electrical characteristics

Nominal wattage	<b>50 W</b>
Rated power (W)	<b>50,0 W</b>
Operating voltage (V)	<b>85 V</b>
Type of Voltage	<b>AC</b>
Pulse height	<b>5 kV</b>
Direct connection to the mains	<b>Ne</b>
Lamp power	<b>50 W</b>
Ignitor	<b>Externí/External</b>
Nominal current (A)	<b>0,76 A</b>
Total power (W) (light fitting)	<b>50 W</b>

### Working conditions

Hot restart	Ano
Bulb temperature (max.)	400 °C
Cap temperature (max.)	190 °C
Burning position	Universal
Typical Hot Restart Time	5 min
Suitable for domestic use.	Ne
Application	Všeobecné osvětlování/General lighting
Type of control gear	SODIUM 0,76 A
External ignitor required	Ano
External ballast required	Ano
Lighting for plants	Ne
Replacement for mercury vapour lamp	Ne

### Mounting methods/application

Mounting method	Uzavřená svítidla/Enclosed Rated
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### Physical characteristics

Dimensions (mm)	Ø38 x 158 mm
Packing method	12 - 1
Weight gross	95 g
Weight netto	76 g
Total lenght	158 mm
Diameter	38 mm
Lamp shape	Jednopaticová válcová
Number of Burners	1
Coated	Ne

### EuP Parameters

Average Lifetime B50 (h)	24000 h
Luminescence Life maintenance factor	80,0 %
Factor of functional reliability (LSF) after nom. life	84,0 %
Starting time to 90% of the light flow	4 s
The rate of premature failures	<1 %
Rated service life	24000 h
Energy consumption (AGGR)	50 kWh/1000h
Turn-on time	5 s

### Lighting characteristics

Dominant wavelength	598 nm
Luminous flux	3600 lm
Colour temperature	2000 K
Colour rendering index CRI	20 Ra
Chromaticity coordinates x	0,520
Chromaticity coordinates y	0,430

## Safety information

Safety instructions	<a href="http://www.nbb.cz">www.nbb.cz</a>
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## Environmental characteristics

Mercury-free	Ne
Mercury content	20 mg

## Energetic characteristics

Rated efficiency after 100h	99,99 %
Lamp efficacy	72 lm/W

## Lamp survival factor (LSF)

LSF after 100 hrs	100,0 %
LSF after 2.000 hrs	99,0 %
LSF after 4.000 hrs	99,0 %
LSF after 6.000 hrs	97,0 %
LSF after 8.000 hrs	96,0 %
LSF after 10.000 hrs	94,5 %
LSF after 12.000 hrs	92,0 %
LSF after 16.000 hrs	90,0 %
LSF after 20.000 hrs	86,0 %
LSF after 24.000 hrs	84,0 %
LSF after 25.000h	82,0 %
LSF after 30.000 hrs	75,0 %

## Lamp lumen maintenance factor (LLMF)

LLMF after 100 hrs	100,0 %
LLMF after 2.000 hrs	98,9 %
LLMF after 4.000 hrs	97,3 %
LLMF after 6.000 hrs	95,0 %
LLMF after 8.000 hrs	94,0 %
LLMF after 10.000 hrs	92,0 %
LLMF after 12.000 hrs	90,0 %
LLMF after 16.000 hrs	86,0 %
LLMF after 20.000 hrs	83,0 %
LLMF after 24.000 hrs	80,0 %

## Exclusion of liability

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## Popis

High pressure sodium lamp STANDARD Long Life (24.000 h), 3.600 lm.

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