



NBB Bohemia s.r.o.

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



Product Data Sheet

Sodíková výbojka

**HPS-T 100W E40 NBB
SUPER/4Y**

Order number

746322000

Unit EAN13 code

8595209923479



General information

Model/Description	Sodíková výbojka/Sodium lamp
Finish	Vysokotlaká/HID
Brand/Manufacturer	NBB
Material	Hard Glass
Nominal service life (h)	32000 h
Model	Čirá
Socket	E40
Dimmable	Ano
Energy efficiency class (canceled regulation!)	A+
Dimmable by conventional dimmers	Ne
Název položky	HPS-T 100W E40 NBB SUPER/4Y
Třída energetické účinnosti podle 2019/2015	F

Electrical characteristics

Nominal wattage	100 W
Rated power (W)	100,0 W
Operating voltage (V)	100 V
Type of Voltage	AC
Pulse height	5 kV
Direct connection to the mains	Ne
Lamp power	100 W
Nominal current (A)	1,20 A
Total power (W) (light fitting)	100 W

Working conditions

Hot restart	Ano
Bulb temperature (max.)	310 °C
Cap temperature (max.)	210 °C
Burning position	Libovolná
Typical Hot Restart Time	5 min
Suitable for domestic use.	Ne
Application	Veřejné osvětlení
Type of control gear	SODIUM 1,20 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

Light centre length (mm)	132 mm
Dimensions (mm)	Ø46 x 210 mm
Packing method	25 - 1
Weight gross	160 g
Weight netto	140 g
Total length	210 mm
Diameter	46 mm
Lamp shape	Jednopaticová válcová
Number of Burners	1
Coated	Ne

EuP Parameters

Average Lifetime B50 (h)	32000 h
Luminescence Life maintenance factor	77,0 %
Factor of functional reliability (LSF) after nom. life	60,0 %
Starting time to 90% of the light flow	120 s
The rate of premature failures	<1 %
Rated service life	32000 h
Energy consumption (AGGR)	100 kWh/1000h
Turn-on time	5 s

Lighting characteristics

Dominant wavelength	598 nm
Luminous flux	10000 lm
Colour temperature	2000 K
Colour rendering index CRI	20 Ra
Chromaticity coordinates x	0,525
Chromaticity coordinates y	0,430

Safety information

Safety instructions	www.nbb.cz
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Environmental characteristics

Mercury-free	Ne
Mercury content	8 mg

Energetic characteristics

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

Lamp survival factor (LSF)

LSF after 100 hrs	100,0 %
LSF after 2.000 hrs	100,0 %
LSF after 4.000 hrs	100,0 %
LSF after 6.000 hrs	100,0 %
LSF after 8.000 hrs	98,0 %
LSF after 10.000 hrs	98,0 %
LSF after 12.000 hrs	95,0 %
LSF after 16.000 hrs	93,0 %
LSF after 20.000 hrs	89,0 %
LSF after 25.000h	85,0 %
LSF after 28.000 hrs	70,0 %
LSF after 30.000 hrs	70,0 %
LSF after 32.000 hrs	60,0 %

Lamp lumen maintenance factor (LLMF)

LLMF after 100 hrs	100,0 %
LLMF after 2.000 hrs	98,0 %
LLMF after 4.000 hrs	96,0 %
LLMF after 6.000 hrs	94,0 %
LLMF after 8.000 hrs	93,0 %
LLMF after 10.000 hrs	90,0 %
LLMF after 12.000 hrs	89,0 %
LLMF after 16.000 hrs	86,0 %
LLMF after 20.000 hrs	84,0 %
LLMF after 24.000 hrs	82,0 %
LLMF after 28.000 hrs	77,0 %
LLMF after 32.000 hrs	76,0 %

Exclusion of liability

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Popis

High pressure sodium lamp SUPER 4Y Long Life (32.000 h), 10.500 lm.

