



Product Data Sheet

Sodíková výbojka

DOUBLE ARC-TUBE SUPER HIGH PRESSURE SODIUM LAMPS



Order number

746334000

Unit EAN13 code

8595209923547

General information

Model/Description	Sodíková výbojka
Finish	Double Arc Tube/s dvojitého hořákem
Brand/Manufacturer	NBB
Material	Hard Glass
Nominal service life (h)	45000 h
Model	Čirá
Socket	E40
Dimmable	Ano
Energy efficiency class (canceled regulation!)	A+
Type of luminaire	Enclosed Rated E27/uzavřená E27
Dimmable by conventional dimmers	Ne
Název položky	HPS-T-DAT 150W E40 NBB SUPER/6Y
Třída energetické účinnosti podle 2019/2015	F

Electrical characteristics

Nominal wattage	150 W
Rated power (W)	150 W
Operating voltage (V)	100 V
Type of Voltage	AC
Lowest permitted operating voltage (V)	80 V
Pulse height	8 - 5 kV
Direct connection to the mains	Ne
Lamp power	150 W
Ignitor	Externí/External
Nominal current (A)	1,80 A

Total power (W) (light fitting)	150 W
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Working conditions

Hot restart	Ano
Bulb temperature (max.)	400 °C
Cap temperature (max.)	250 °C
Burning position	Universal
Typical Hot Restart Time	0,0 min
Suitable for domestic use.	Ne
Application	Veřejné osvětlení
Type of control gear	SODIUM 1,80 A
External ignitor required	Ano
External ballast required	Ano
Lighting for plants	Ne
Replacement for mercury vapour lamp	Ne

Mounting methods/application

Mounting method	Uravřená svítidla/Enclosed Rated
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Physical characteristics

Light centre length (mm)	137 mm
Dimensions (mm)	Ø46 x 210 mm
Packing method	12 - 1
Weight gross	170 g
Weight netto	138 g
Total lenght	210 mm
Diameter	46 mm
Lamp shape	Jednopaticová válcová
Number of Burners	2
Coated	Ne

EuP Parameters

Average Lifetime B50 (h)	45000 h
Luminescence Life maintenance factor	65 %
Factor of functional reliability (LSF) after nom. life	62,0 %
Starting time to 90% of the light flow	120 s
The rate of premature failures	<1 %
Rated service life	45000 h
Energy consumption (AGGR)	150 kWh/1000h
Turn-on time	5 s

Lighting characteristics

Dominant wavelength	598 nm
Luminous flux	16000 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**

Environmental characteristics

Mercury-free **Ne**
Mercury content **16 mg**

Energetic characteristics

Rated efficiency after 100h **100 %**
Lamp efficacy **106 lm/W**

Lamp survival factor (LSF)

LSF after 100 hrs	100 %
LSF after 2.000 hrs	100 %
LSF after 4.000 hrs	100 %
LSF after 6.000 hrs	100 %
LSF after 8.000 hrs	99,0 %
LSF after 10.000 hrs	98,0 %
LSF after 12.000 hrs	98,0 %
LSF after 16.000 hrs	97,0 %
LSF after 20.000 hrs	96,0 %
LSF after 25.000h	95,0 %
LSF after 28.000 hrs	70,0 %
LSF after 30.000 hrs	94,0 %
LSF after 32.000 hrs	62,0 %
LSF after 36.000 hrs	93,0 %
LSF after 40.000 hrs	92,0 %
LSF after 50.000h	88,0 %
LSF after 60.000h	76,0 %
LSF after 70.000h	51,0 %

Lamp lumen maintenance factor (LLMF)

LLMF after 100 hrs	100 %
LLMF after 2.000 hrs	98,0 %
LLMF after 4.000 hrs	98,0 %
LLMF after 6.000 hrs	96,0 %
LLMF after 8.000 hrs	92,0 %
LLMF after 10.000 hrs	89,0 %
LLMF after 12.000 hrs	86,0 %
15.000 hrs	86,0 %
LLMF after 16.000 hrs	86,0 %
LLMF after 20.000 hrs	82,0 %
LLMF after 24.000 hrs	82,0 %
LLMF after 25.000 h. (%)	77,0 %
LLMF after 28.000 hrs	77,0 %

LLMF after 30.000 hrs	73,0 %
LLMF after 32.000 hrs	76,0 %
LLMF after 35.000 h. (%)	70,0 %
LLMF after 40.000 hrs	68,0 %
LLMF after 45.000 h. (%)	65,0 %
LLMF after 50.000 h. (%)	64,0 %
LLMF after 60.000 h. (%)	61,0 %
LLMF after 70.000 h. (%)	59,0 %
LLMF after 80.000 h. (%)	58,0 %

Exclusion of liability

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Popis

High pressure sodium lamp SUPER 4Y Long Life (45.000 h), 16.000 lm. Hot reset.

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