



## Product Data Sheet

Sodíková výbojka

**HPS-T 250W E40 NBB  
SUPER/4Y**

Order number

**746324000**

Unit EAN13 code

**8595209923493**



### General information

|                                                |                                     |
|------------------------------------------------|-------------------------------------|
| Model/Description                              | <b>Sodíková výbojka/Sodium lamp</b> |
| Finish                                         | <b>Vysokotlaká/HID</b>              |
| Brand/Manufacturer                             | <b>NBB</b>                          |
| Material                                       | <b>Hard Glass</b>                   |
| Nominal service life (h)                       | <b>32000 h</b>                      |
| Model                                          | <b>Čirá</b>                         |
| Socket                                         | <b>E40</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 250W E40 NBB SUPER/4Y</b>  |
| Třída energetické účinnosti podle 2019/2015    | <b>E</b>                            |

### Electrical characteristics

|                                 |                   |
|---------------------------------|-------------------|
| Nominal wattage                 | <b>250 W</b>      |
| Rated power (W)                 | <b>250,0 W</b>    |
| Operating voltage (V)           | <b>95 - 100 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>250 W</b>      |
| Nominal current (A)             | <b>3,00 A</b>     |
| Total power (W) (light fitting) | <b>250 W</b>      |

### Working conditions

|                                     |                   |
|-------------------------------------|-------------------|
| Hot restart                         | Ano               |
| Bulb temperature (max.)             | 340 °C            |
| Cap temperature (max.)              | 250 °C            |
| Burning position                    | Libovolná         |
| Typical Hot Restart Time            | 5 min             |
| Suitable for domestic use.          | Ne                |
| Application                         | Veřejné osvětlení |
| Type of control gear                | SODIUM 3,00 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 |
|-----------------|-------------------|

#### Physical characteristics

|                          |                       |
|--------------------------|-----------------------|
| Light centre length (mm) | 158 mm                |
| Dimensions (mm)          | Ø48 x 257 mm          |
| Packing method           | 12 - 1                |
| Weight gross             | 190 g                 |
| Weight netto             | 165 g                 |
| Total length             | 257 mm                |
| Diameter                 | 48 mm                 |
| Lamp shape               | Jednopaticová válcová |
| Number of Burners        | 1                     |
| Coated                   | Ne                    |

#### EuP Parameters

|                                                        |               |
|--------------------------------------------------------|---------------|
| Average Lifetime B50 (h)                               | 32000 h       |
| Luminescence Life maintenance factor                   | 80,0 %        |
| Factor of functional reliability (LSF) after nom. life | 65,0 %        |
| Starting time to 90% of the light flow                 | 120 s         |
| The rate of premature failures                         | <1 %          |
| Rated service life                                     | 32000 h       |
| Energy consumption (AGGR)                              | 250 kWh/1000h |
| Turn-on time                                           | 5 s           |

#### Lighting characteristics

|                            |          |
|----------------------------|----------|
| Dominant wavelength        | 598 nm   |
| Luminous flux              | 33000 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 | <a href="http://www.nbb.cz">www.nbb.cz</a> |
|---------------------|--------------------------------------------|

#### Environmental characteristics

|                 |       |
|-----------------|-------|
| Mercury-free    | Ne    |
| Mercury content | 12 mg |

#### Energetic characteristics

|                             |          |
|-----------------------------|----------|
| Rated efficiency after 100h | 99,99 %  |
| Lamp efficacy               | 132 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 | 65,0 %  |

#### Lamp lumen maintenance factor (LLMF)

|                       |         |
|-----------------------|---------|
| LLMF after 100 hrs    | 100,0 % |
| LLMF after 2.000 hrs  | 99,0 %  |
| LLMF after 4.000 hrs  | 98,0 %  |
| LLMF after 6.000 hrs  | 97,0 %  |
| LLMF after 8.000 hrs  | 96,0 %  |
| LLMF after 10.000 hrs | 93,0 %  |
| LLMF after 12.000 hrs | 92,0 %  |
| LLMF after 16.000 hrs | 88,0 %  |
| LLMF after 20.000 hrs | 87,0 %  |
| LLMF after 24.000 hrs | 86,0 %  |
| LLMF after 28.000 hrs | 88,0 %  |
| LLMF after 32.000 hrs | 80,0 %  |

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#### Popis

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

