



## Product Data Sheet

Kompaktní zářivka

**MINITRONIC® HELIX 230-240V 9W/827 E27 SUPER**

Order number

**240030010**

Unit EAN13 code

**8595209910462**


### General information

Model/Description	Kompaktní zářivka amalgámová
Finish	Spirálová
Brand/Manufacturer	NBB
Nominal service life (h)	10000 h
Socket	E27
Dimmable	Ne
Energy efficiency class (canceled regulation!)	A
Nominal voltage (V)	230 - 240 V
Lamp voltage	220 - 240 V
Dimmable by conventional dimmers	Ne
Název položky	MINITRONIC® HELIX 230-240V 9W/827 E27 SUPER

### Electrical characteristics

Nominal wattage	9 W
Rated power (W)	9,0 W
Type of Voltage	AC/DC
Direct connection to the mains	Ano
Lamp power	9 W
Voltage type	AC
Frequency	50 - 60 Hz
Nominal current (A)	0,062 A

### Working conditions

Type of start	Warm
Output frequency of ballast (driver)	>40 kHz

Ambiente temperature for max. luminous flux	25 °C
Burning position	Libovolná
Suitable for domestic use.	Ano
Application	Všeobecné osvětlování
Type of control gear	Elektronický
Suitable for emergency power with DC supply	Ano
Suitable for frequent switching	Ne
Ambient temperature	-10/+40 °C
Outdoor application	Ne

#### Physical characteristics

Dimensions (mm)	Ø45 x 87 mm
Packing method	100 - 1
Weight gross	63 g
Weight netto	54 g
Total lenght	87 mm
Diameter	45 mm
Lamp shape	Spirálová
Type of glass/cover	Žádný

#### EuP Parameters

Average Lifetime B50 (h)	10000 h
Luminescence Life maintenance factor	50,0 %
Time to 60 % luminous flux	<30 s
Number of maximal switching cycles	≥8.000
The rate of premature failures	<1 %
Rated service life	10000 h
Energy consumption (AGGR)	9 kWh/1000h
Turn-on time	<1,5 s
GLS replacement	42 W

#### Lighting characteristics

Type of spectrum	Třípásmové
Color rendering	1B
Light Colour	teplá bílá
Dominant wavelength	544 nm
Luminous flux	470 lm
Colour temperature	2700 K
Colour rendering index CRI	82 Ra
Integrated twilight sensor	Ne
Colour of light	827
Colour of light acc. EN 12464-1	Warm <3300 K
Beam angle Degrees (°)	120 °
Chromaticity coordinates x	0,384
Chromaticity coordinates y	0,382

#### Safety information

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

Mercury content	2 mg
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#### Energetic characteristics

Lamp Power factor (PF)	$\geq 0,5$
Rated efficiency after 100h	99,99 %
Lamp efficacy	52,22 lm/W

#### Lamp survival factor (LSF)

LSF after 2.000 hrs	95,0 %
LSF after 4.000 hrs	90,0 %
LSF after 6.000 hrs	80,0 %
LSF after 8.000 hrs	75,0 %
LSF after 10.000 hrs	65,0 %

#### Lamp lumen maintenance factor (LLMF)

LLMF after 2.000 hrs	83,0 %
LLMF after 4.000 hrs	76,0 %
LLMF after 6.000 hrs	70,0 %
LLMF after 8.000 hrs	58,0 %
LLMF after 10.000 hrs	50,0 %

#### Exclusion of liability

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#### Popis

Compact fluorescent amalgam lamps, 8.000 switching cycles, lifespan 10.000 h. Colour temperature 2.700K

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