



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

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



## Product Data Sheet

led panel vestavný čtvercový 18W 4000K bílé

**RIKI-V LED 230-240V 18W  
4000K, WHITE □225mm  
IP40**



Order number

**253400031**

Unit EAN13 code

**8595209935168**

### General information

Finish	LED panel vestavný čtvercový
Brand/Manufacturer	NBB
Material	Aluminium
Lamp type	LED
Nominal service life (h)	25000 h
Degree of protection (IP)	IP40
Dimmable	Ne
Built-in depth	25 mm
With light sensor	Ne
Suitable for suspended mounting	Ne
Lamp type	LED
Type of luminaire	Vestavné
Nominal voltage (V)	85 - 265 V
Degree of protection (IP)	IP40
Suitable for number of lamps	1
Suitable for wall mounting	Ne
Suitable for built-in mounting	Ano
Suitable for surface mounting	Ne
Suitable for ceiling mounting	Ano
Dimmable by conventional dimmers	Ne
Název položky	RIKI-V LED 230-240V 18W 4000K, bílé, □225mm IP40

### Electrical characteristics

Nominal wattage	18 W
Rated power (W)	18,0 W

Operating voltage (V)	100 - 265 V
Endurance	270 V
Type of Voltage	AC
Lowest permitted operating voltage (V)	100 V
Nominal current	113 mA
Lamp power	18 W
Voltage type	AC
Nominal current (A)	0,113 A
System power	18,0 W
Elektrické parametry předřadníku	50 - 60

#### Working conditions

Average lifetime of the ballast (h)	25000 h
Integrated driver	Ne
Maximum permitted storage temperature	80 °C
Type of cooler	Aluminium
Burning position	Libovolná
Application	Všeobecné osvětlování
With movement sensor	Ne
Suitable for frequent switching	Ano
Ambient temperature	-20/+45 °C
Fire resistance "D"	Ano
Fit for monitor workplace	Ano
Type of dimming	Ostatní
Emergency unit integrated	Ne
Driver included	Ano

#### Mounting methods/application

Dimensions of installation hole	215 x 215 mm
Mounting method	Vestavná

#### Physical characteristics

Type of chip	Epistar
Dimensions (mm)	225 x 225 x 25 mm
Packing method	20 - 1
Width	225 mm
Colour housing	Bílá
Weight netto	670 g
Built-in width	215 mm
Length	225 mm
Height/depth (mm)	25 mm
Material housing	Aluminium
Built-in length	215 mm
Material cover	Opálový/Matný plast
Impact strength	IK06
Type of surface	Matný
Number of LEDs	90
Adjustability	Pevné nenastavitelné

## EuP Parameters

Average Lifetime B50 (h)	25000 h
Luminescence Life maintenance factor	70,0 %
Factor of functional reliability (LSF) after nom. life	50,0 %
Time to 60 % luminous flux	0,25 s
Number of maximal switching cycles	>50000
The rate of premature failures	0,00 %
Rated service life	25000 h
Energy consumption (AGGR)	19,8 kWh/1000h
Turn-on time	<0,3 s

## Additional information

Note	24 - 7
With lamp	Ano

## Lighting characteristics

Color rendering	1B
Light Colour	chladná bílá
Wavelength range	400 - 700 nm
Dominant wavelength	595 nm
Luminous flux	1600 lm
Colour temperature	4000 K
Colour rendering index CRI	80 Ra
Colour of light	840
Light outlet	Přímé
Light sharing	Symetrické
Radiation angle	Extrémně široký úhel >80°
Colour temperature	4000 - 4200 K
Effective luminous flux	1500 lm
Colour	Bílá
Beam angle Degrees (°)	120 °
Chromaticity coordinates x	0,3966
Chromaticity coordinates y	0,3939

## Safety information

Insulation class	Třída II
Safety instructions	<a href="http://www.nbb.cz">www.nbb.cz</a>
Protection class	Dvojitou izolací

## Environmental characteristics

Mercury content	0,00 mg
-----------------	---------

## Energetic characteristics

Lamp Power factor (PF)	0,8
Rated efficiency after 100h	99,9 %
Lamp efficacy	88,88 lm/W

## Exclusion of liability

Changes to data are subject to prior notice. NBB Bohemia s.r.o. accepts no responsibility for damages caused by inaccurate interpretation of the content on this site.

#### **Notice**

Under the scope of Act 185/2001 Coll. as amended, this product is included in waste group 5 (light sources and luminaires). In view of the harmful effects of mercury on the environment and on human health, the creators of group 5 waste (consumers) are obliged to dispose of used light sources for recycling. Do not throw this product into mixed waste after use. Take it to the nearest store, collection yard, or other designated location for free recycling. You can also dispose of the used products for recycling in our sales outlets or in collection points of collective recycling systems or municipal collection yards. Ecological recycling of waste electrical and electronic equipment is ensured through the RETELA collective system ([www.retela.cz](http://www.retela.cz)).

#### **Notice**

Single LED chip failure, luminous flux deviation +/- 10% as well as chromaticity deviation +/- 150K are in compliance with applicable standards and are not a reason for complaint.

#### **Popis**

**NBB Bohemia s.r.o., Sídliště 693, 407 22 Benešov nad Ploučnicí**  
<https://www.nbb.cz/en/> | [hotmail@nbb.cz](mailto:hotmail@nbb.cz)

Copyright CE 2024 NBB Bohemia s.r.o Všechna práva vyhrazena.