



## Product Data Sheet

LED zdroj světla kompaktní

**LQ-HR LED 230-240V 18W**  
**6500K 2G11 FR 410mm**  
**2160lm**



Order number

**259200015**

Unit EAN13 code

**8595209946065**

### General information

Model/Description	<b>LED kompaktní světelný zdroj</b>
Brand/Manufacturer	<b>NBB</b>
Material	<b>Aluminium/PC</b>
Nominal service life (h)	<b>30000 h</b>
Colour	<b>Bílá</b>
Socket	<b>Ostatní</b>
Dimmable	<b>Ne</b>
Energy efficiency class (canceled regulation!)	<b>A+</b>
Nominal voltage (V)	<b>230 - 240 V</b>
Degree of protection (IP)	<b>IP20</b>
Dimmable by conventional dimmers	<b>NE</b>
Název položky	<b>LQ-HR LED 230-240V 18W 6500K 2G11 410mm 2160lm</b>
Třída energetické účinnosti podle 2019/2015	<b>E</b>

### Electrical characteristics

Nominal wattage	<b>18 W</b>
Operating voltage (V)	<b>85 - 265 V</b>
Type of Voltage	<b>AC</b>
Nominal current	<b>46 mA</b>
Lamp power	<b>18 W</b>
Voltage type	<b>AC</b>
Total power (W) (light fitting)	<b>19,8 W</b>
Elektrické parametry předřadníku	<b>Sec. DC 75V/0,22A</b>

### Working conditions

Integrated driver	Ano
Operating frequency	50 - 60 Hz
Type of cooler	Aluminium
Burning position	Libovolná
Application	Všeobecné osvětlování

#### Physical characteristics

Type of chip	Epistar
Dimensions (mm)	423 x 43 x 29 mm
Width	43 mm
Height	29 mm
Lamp shape	Lineární
Length	423 mm
Type of glass/cover	Matný

#### EuP Parameters

Average Lifetime B50 (h)	30000 h
Luminescence Life maintenance factor	70 %
Factor of functional reliability (LSF) after nom. life	50 %
Time to 60 % luminous flux	<0,3 s
Number of maximal switching cycles	>100000
The rate of premature failures	<0,1 %
Rated service life	30000 h
Energy consumption (AGGR)	18 kWh/1000h
Equivalent compact fluorescent lamps	36 W
Survival Factor	50
GLS replacement	134 W

#### Lighting characteristics

Light Colour	chladná denní
Wavelength range	410 - 760 nm
Dominant wavelength	498,2 nm
Luminous flux	2160 lm
Colour temperature	6500 K
Colour rendering index CRI	80 Ra
Maximal intensity (Cd)	343.774 Cd
Colour of light	865
Light colour category	Chladná >5300K
Beam angle Degrees (°)	180 °
Chromaticity coordinates x	0,313
Chromaticity coordinates y	0,323

#### Environmental characteristics

Mercury content	0,00 mg
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#### Energetic characteristics

Lamp Power factor (PF)	0,94
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Light source efficiency	85 %
Lamp efficacy	110,77 lm/W
Lamp displacement factor (DF)	0,965

#### 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 (LVD)

LED light sources ranks among electrotechnical products powered by mains 230-240V. For safety reasons, it is recommended that the assembly, connection or disassembly be carried out by a person with an appropriate electrotechnical qualification. When installing or disassembling, it is advisable to disconnect the power supply otherwise there may be a risk of electric shock. Only use the product in the luminaires designed for this type of light source. The manufacturer can not be held responsible for damages resulting from inappropriate connection, connection to an unsuitable distribution system, or damages resulting from mechanical damage to the light source. Observe the operating values on the product. Do not expose the product to inappropriate weathering or high temperatures unless it is expressly stated that the product is intended to be operated under these conditions. When installing, wiring or disassembling, follow the generally accepted safety precautions.

#### 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

#### Technical drawing



