



## Product Data Sheet

LED svítidlo s pohybovým senzorem

# LED APOLLO 230-240V 20W/840 PIR IP65

Order number

**253203140**

Unit EAN13 code

**8595209950369**


### General information

Model/Description	<b>Led reflektory</b>
Finish	<b>Průmyslový</b>
Brand/Manufacturer	<b>NBB</b>
Dimmable	<b>Ne</b>
With light sensor	<b>Ne</b>
Suitable for suspended mounting	<b>Ne</b>
Lamp type	<b>LED</b>
Nominal voltage (V)	<b>230 - 240 V</b>
Degree of protection (IP)	<b>IP65</b>
Suitable for number of lamps	<b>1</b>
Suitable for wall mounting	<b>Ano</b>
Suitable for traverse mounting	<b>Ano</b>
Suitable for pedestal/floor mounting	<b>Ano</b>
Suitable for light-track mounting	<b>Ne</b>
Suitable for clamp-mounting	<b>Ne</b>
Suitable for ceiling mounting	<b>Ano</b>
Název položky	<b>LED APOLLO 230-240V 20W/840 PIR IP65</b>

### Electrical characteristics

Nominal wattage	<b>20 W</b>
Type of Voltage	<b>AC</b>
Voltage type	<b>AC</b>
Nominal current (A)	<b>0,160 A</b>
System power	<b>20 W</b>

### Working conditions

Integrated driver	Ano
Light source is part of the fixture	Ano
Maximum permitted storage temperature	80 °C
Burning position	Libovolná
Installation height (m)	2 - 3 m
Application	Všeobecné osvětlování
Suitable for through-wiring	Ne
With movement sensor	Ano
Type of control gear	Elektronický nestmívatelný
Suitable for frequent switching	Ano
Ambient temperature	-20/+45 °C
Diameter detection range on floor	8 m
Applicable with movement sensor	Ano
Fire resistance "F"	Ano
Type of dimming	Nestmívatelné

### Mounting methods/application

Mounting method	Přisazená
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### Physical characteristics

Type of chip	EPISTAR SMD2835
Packing method	1
Weight gross	565 g
Width	152 mm
Reflector	Matný
Colour housing	Černá
Weight netto	525 g
Length	65 mm
Height/depth (mm)	185 mm
Material housing	Aluminium
Impact strength	IK08
Type of surface	Matný
Number of LEDs	22
Adjustability	Vertikálně

### EuP Parameters

Average Lifetime B50 (h)	25000 h
Luminescence Life maintenance factor	70,0 %
Factor of functional reliability (LSF) after nom. life	50,0 %
Number of maximal switching cycles	>50000
The rate of premature failures	0,01 %
Colour difference	0,9 %
The light source is designed for outdoor and industrial use	Ano
Rated service life	25000 h
Energy consumption (AGGR)	20 kWh/1000h
Equivalent compact fluorescent lamps	32 W

GLS replacement	108 W
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#### Additional information

With lamp	Ano
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#### Lighting characteristics

Color rendering	1B
Light Colour	chladná bílá
Wavelength range	380 - 780 nm
Dominant wavelength	577 nm
Luminous flux	1600 lm
Colour temperature	4000 K
Colour rendering index CRI	80 Ra
Colour of light	840
Light sharing	Symetrické
Radiation angle	Široký úhel
Colour temperature	3600 - 4400 K
Effective luminous flux	1600 lm
Colour	Bílá
Beam angle Degrees (°)	120 °
Chromaticity coordinates x	0,370
Chromaticity coordinates y	0,373

#### Safety information

Safety instructions	www.nbb.cz
Protection class	Ochranným vodičem

#### Environmental characteristics

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

Lamp Power factor (PF)	0,55
Rated efficiency after 100h	95 %
Lamp efficacy	80 lm/W

#### Exclusion of liability

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#### 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

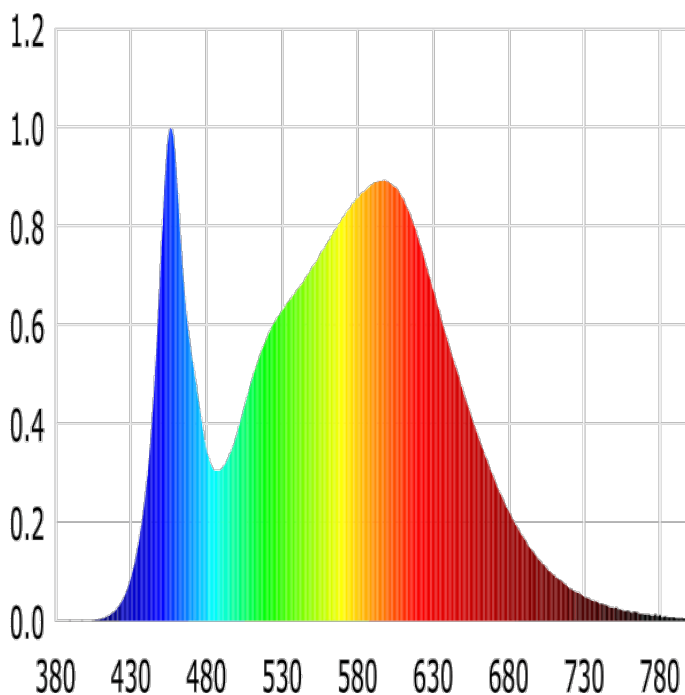
that the assembly, connection or disassembly be carried out by a person with an appropriate electrotechnical qualification. When installing or disassembling, it is advisable to disconnect the power supply otherwise there may be a risk of electric shock. Only use the product in the luminaires designed 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



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