



## Product Data Sheet



Výklopný LED svítidlo 20W/940 60°

# GIMBAL LED COB DOWNLIGHT 20W/940 60° CRI90+ Ø145x120mm IP20

Order number

**253424045**

Unit EAN13 code

**8595209951304**

### General information

Model/Description	<b>LED svítidlo</b>
Finish	<b>Vestavné, výklopné</b>
Nominal service life (h)	<b>30000 h</b>
Degree of protection (IP)	<b>IP20</b>
Dimmable	<b>Ne</b>
Built-in depth	<b>140 mm</b>
With light sensor	<b>Ne</b>
Suitable for suspended mounting	<b>Ne</b>
Lamp type	<b>LED</b>
Type of luminaire	<b>Ostatní</b>
Electrical connection with connector system	<b>Ano</b>
Nominal voltage (V)	<b>230 - 240 V</b>
Degree of protection (IP)	<b>IP20</b>
Suitable for number of lamps	<b>1</b>
Suitable for wall mounting	<b>Ne</b>
Suitable for built-in mounting	<b>Ano</b>
Control gear included	<b>Ne</b>
Suitable for ceiling mounting	<b>Ano</b>
Dimmable by conventional dimmers	<b>Ne</b>
Název položky	<b>GIMBAL LED COB DOWNLIGHT 20W/940 60° CRI90+ Ø145x120mm IP20</b>

### Electrical characteristics

Nominal wattage	<b>20 W</b>
Rated power (W)	<b>20 W</b>
Operating voltage (V)	<b>220 - 230 V</b>

Type of Voltage	AC
Lowest permitted operating voltage (V)	220 V
Nominal current	mA
Lamp power	20 W
Circuit	Paralelně-kompenzační
Voltage type	AC
Nominal current (A)	A
System power	20 W

### Working conditions

Integrated driver	Ne
Light source is part of the fixture	Ano
Maximum permitted storage temperature	40 °C
Burning position	Libovolná
Application	Všeobecné osvětlování
Suitable for through-wiring	Ne
With movement sensor	Ne
Type of control gear	Elektronický nestmívatelný
Suitable for frequent switching	Ano
Ambient temperature	-20/+40 °C
Suitable for light line configuration	Ne
Suitable for emergency lighting	Ano
Suitable for wall build in	
Filament test according to IEC 695-2-1	850 °C - 5 s
Fire resistance "D"	Ano
Fire resistance "F"	Ano
Fit for monitor workplace	Ano
Type of dimming	Ostatní
Driver included	Ano

### Physical characteristics

Type of chip	Cree
Dimensions (mm)	Ø145 x 120 mm
Packing method	1
Weight gross	650 g
Outer diameter	145 mm
Reflector	Vysoce leštěný
Colour housing	Bílá
Weight netto	650 g
Built-in diameter	100 mm
Ball-proof	Ne
Height/depth (mm)	120 mm
Material housing	Aluminium
Colour cover	Bílá
Material cover	Transparentní sklo
Impact strength	
Type of surface	Ostatní
Number of LEDs	1

Swivelling model	<b>Ne</b>
Adjustability	<b>Nenastavitelné</b>

### EuP Parameters

Average Lifetime B50 (h)	<b>30000 h</b>
Luminescence Life maintenance factor	<b>80 %</b>
Factor of functional reliability (LSF) after nom. life	<b>50 %</b>
Time to 60 % luminous flux	<b>0,3 s</b>
Number of maximal switching cycles	<b>&gt;250000</b>
The rate of premature failures	<b>&lt;1 %</b>
Colour difference	<b>80 %</b>
Rated service life	<b>30000 h</b>
Energy consumption (AGGR)	<b>kWh/1000h</b>
Turn-on time	<b>&lt;0,3 s</b>

### Additional information

With lamp	<b>Ano</b>
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### Lighting characteristics

Color rendering	<b>1B</b>
Light Colour	<b>chladná bílá</b>
Wavelength range	<b>450 - 580 nm</b>
Dominant wavelength	<b>578 nm</b>
Luminous flux	<b>1800 lm</b>
Colour temperature	<b>4000 K</b>
Radiation angle	<b>60 °</b>
Colour rendering index CRI	<b>90 Ra</b>
Colour of light	<b>940</b>
Anti-glare limiting UGR lengthwise	
Anti-glare limiting UGR crosswise	
Direct-/indirect proportion separately controllable	<b>Ano</b>
Colour controllable (RGB)	<b>Ne</b>
Colour temperature controllable	<b>Ne</b>
Light outlet	<b>Přímé</b>
Light sharing	<b>Symetrické</b>
Colour temperature	<b>4000 - 4200 K</b>
Effective luminous flux	<b>1800 lm</b>
Chromaticity coordinates x	<b>0,3791</b>
Chromaticity coordinates y	<b>0,3797</b>

### Safety information

Insulation class	<b>Třída II</b>
Safety instructions	<b>www.nbb.cz</b>
Protection class	<b>Ochranným vodičem</b>

### Environmental characteristics

Mercury content	<b>0,00 mg</b>
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## Energetic characteristics

Lamp Power factor (PF)	0,96
Rated efficiency after 100h	99,99 %
Lamp efficacy	90 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

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

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