



## Product Data Sheet

Výklopný LED svítidlo 40W/940 45°

### GIMBAL LED COB DOWNLIGHT 40W/940 45° CRI90+ Ø188x160mm IP20

Order number

**253424085**

Unit EAN13 code

**8595209951380**

#### General information

Model/Description	LED svítidlo
Finish	Vestavné, výklopné
Nominal service life (h)	30000 h
Degree of protection (IP)	IP20
Dimmable	Ne
Built-in depth	90 mm
With light sensor	Ne
Suitable for suspended mounting	Ne
Lamp type	LED
Type of luminaire	Ostatní
Electrical connection with connector system	Ano
Nominal voltage (V)	230 - 240 V
Degree of protection (IP)	IP20
Suitable for number of lamps	1
Suitable for wall mounting	Ne
Suitable for built-in mounting	Ano
Control gear included	Ne
Suitable for ceiling mounting	Ano
Dimmable by conventional dimmers	Ne
Název položky	GIMBAL LED COB DOWNLIGHT 40W/940 45° CRI90+ Ø188x160mm IP20

#### Electrical characteristics

Nominal wattage	40 W
Rated power (W)	40 W
Operating voltage (V)	220 - 230 V

Type of Voltage	AC
Lowest permitted operating voltage (V)	220 V
Lamp power	40 W
Circuit	Paralelně-kompenzační
Voltage type	AC
System power	40 W

#### Working conditions

Integrated driver	Ne
Light source is part of the fixture	Ano
Maximum permitted storage temperature	45 °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
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)	Ø188 x160 mm
Packing method	1
Weight gross	500 g
Outer diameter	188 mm
Reflector	Vysoce leštěný
Colour housing	Bílá
Weight netto	500 g
Built-in diameter	109 mm
Ball-proof	Ne
Height/depth (mm)	85 mm
Material housing	Aluminium
Colour cover	Bílá
Material cover	Transparentní sklo
Type of surface	Ostatní
Number of LEDs	1
Swivelling model	Ne
Adjustability	Nenastavitelné

#### EuP Parameters

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

#### Additional information

With lamp	Ano
-----------	-----

#### Lighting characteristics

Color rendering	1B
Light Colour	teplá bílá
Wavelength range	450 - 580 nm
Dominant wavelength	578 nm
Luminous flux	1350 lm
Colour temperature	2700 K
Radiation angle	45 °
Colour rendering index CRI	90 Ra
Colour of light	940
Direct-/indirect proportion separately controllable	Ano
Colour controllable (RGB)	Ne
Colour temperature controllable	Ne
Light outlet	Přímé
Light sharing	Symetrické
Colour temperature	2700 - 3000 K
Effective luminous flux	1350 lm
Chromaticity coordinates x	0,3791
Chromaticity coordinates y	0,3797

#### Safety information

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

#### Environmental characteristics

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

#### Energetic characteristics

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