



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

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

## Product Data Sheet

LED svítidlo

# CARLA 11W/840 LED CBS 12V/24V AC/DC IP65



Order number

**910106520**

Unit EAN13 code

**8595209954459**

### General information

Finish	Svítidlo pro CBS
Brand/Manufacturer	NBB
Material	PC/PC
Lamp type	LED (Lighting Emmiting Diode)
Nominal service life (h)	35000 h
Degree of protection (IP)	IP65
Power supply system	Centrální napájení
Labelling type	Samolepící piktogram
Type of indicator	Pouze jednostranný
Lamp type	LED
Wiring system	Trvalý provoz
Nominal voltage (V)	12 - 24 V
Degree of protection (IP)	IP65
Název položky	CARLA 11W/840 LED CBS 12V/24V AC/DC IP65

### Electrical characteristics

Nominal wattage	11 W
Rated power (W)	11 W
Operating voltage (V)	12 - 24 V
Type of Voltage	AC/DC
Lamp power	11 W
Circuit	Paralelně kompenzační
Voltage type	AC/DC
Luminous flux at emergency operation	920 lm
Recognition distance	8 m

Nominal current (A)	<b>A</b>
Total power (W) (light fitting)	<b>13 W</b>

### Working conditions

Operating frequency	<b>0 - 60 Hz</b>
Light source is part of the fixture	<b>Ano</b>
Working temperature of the ballast body -Tc max	<b>50 °C</b>
Maximum permitted storage temperature	<b>80 °C</b>
Hot restart	<b>Ano</b>
Burning position	<b>Libovolná</b>
Installation height (m)	<b>2 - 3 m</b>
Installation on flammable surfaces	<b>Ano</b>
Application	<b>Nouzové osvětlení</b>
Type of control gear	<b>Elektronický</b>
Ambient temperature	<b>-15/+40 °C</b>
Fire resistance "F"	<b>Ano</b>
Driver included	<b>Ano</b>

### Mounting methods/application

Mounting method	<b>Přisazené</b>
Mounting method	<b>Nástěnná</b>

### Physical characteristics

Type of chip	<b>SMD</b>
Dimensions (mm)	<b>350 x 117 x 76 mm</b>
Packing method	<b>1</b>
Pictogram	<b>Ne</b>
Width	<b>117 mm</b>
Colour housing	<b>Šedá</b>
Weight netto	<b>g</b>
Length	<b>350 mm</b>
Height/depth (mm)	<b>76 mm</b>
Material housing	<b>Plast</b>
Material cover	<b>Strukturovaný plast</b>
Number of LEDs	

### EuP Parameters

Average Lifetime B50 (h)	<b>35000 h</b>
Luminescence Life maintenance factor	<b>0,5 %</b>
Factor of functional reliability (LSF) after nom. life	<b>0,5 %</b>
Equivalent to fluo.lamp (W)	<b>11 W</b>
Starting time to 90% of the light flow	<b>1 s</b>
Number of maximal switching cycles	<b>250000</b>
The rate of premature failures	<b>&lt;0,1 %</b>
Colour difference	<b>80 %</b>
Rated service life	<b>35000 h</b>
Turn-on time	<b>&lt;1 s</b>

GLS replacement	67 W
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#### Additional information

With lamp	Ano
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#### Lighting characteristics

Light Colour	Chladná denní
Wavelength range	400 - 750 nm
Dominant wavelength	491,8 nm
Luminous flux	920 lm
Colour temperature	6500 K
Colour rendering index CRI	85 Ra
Colour temperature	6000 - 7000 K
Effective luminous flux	920 lm
Colour	Bílá
Beam angle Degrees (°)	120 °
Chromaticity coordinates x	0,309
Chromaticity coordinates y	0,333

#### 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
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#### Energetic characteristics

Lamp Power factor (PF)	0,9
Ballast efficiency (%)	90 %
Lamp efficacy	83 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 (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.

#### **If the luminaire contains batteries**

If the luminaire contains rechargeable rechargeable batteries for emergency operation, we provide a 6 months warranty for these batteries from the date of commissioning. This warranty period is valid for both B2C and B2B customers.

#### **Popis**

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