

**Product Data Sheet**

Nouzové svítidlo

**CARLA 1H 30LED IP65  
non-maintained**

 Order number  
**910100000**

 Unit EAN13 code  
**8595209921833**

**General information**

|                                  |  |
|----------------------------------|--|
| Model/Description                | <b>Nouzové svítidlo prachotěsné</b>          |
| Finish                           | <b>S vlastním zdrojem pro dočasný provoz</b> |
| Brand/Manufacturer               | <b>NBB</b>                                   |
| Material                         | <b>PC/PC</b>                                 |
| Lamp type                        | <b>LED</b>                                   |
| Nominal service life (h)         | <b>30000 h</b>                               |
| Degree of protection (IP)        | <b>IP65</b>                                  |
| Dimmable                         | <b>Ne</b>                                    |
| Autonomy                         | <b>1 h</b>                                   |
| Power supply system              | <b>Vlastní baterie</b>                       |
| Labelling type                   | <b>Samolepící piktogram</b>                  |
| Type of indicator                | <b>Pouze jednostranný</b>                    |
| Lamp type                        | <b>LED</b>                                   |
| Wiring system                    | <b>Dočasný provoz</b>                        |
| Nominal voltage (V)              | <b>230 - 240 V</b>                           |
| Degree of protection (IP)        | <b>IP65</b>                                  |
| With remote switch connection    | <b>Ne</b>                                    |
| Dimmable by conventional dimmers | <b>Ne</b>                                    |
| Název položky                    | <b>CARLA 30 LED 230-240V 1h DP IP65</b>      |
| Typ nouzového provozu            | <b>Dočasný</b>                               |

**Electrical characteristics**

|                                   |                |
|-----------------------------------|----------------|
| Nominal wattage                   | <b>5,51 W</b>  |
| Standby operating El. current (A) | <b>0,01 mA</b> |
| Standby power (W)                 | <b>1,65 W</b>  |

|                                      |                       |
|--------------------------------------|-----------------------|
| Operating voltage (V)                | 190 - 250 V           |
| Type of Voltage                      | AC                    |
| Voltage battery                      | 4,8 V                 |
| Lamp power                           | 5 W                   |
| Circuit                              | Paralelně kompenzační |
| Voltage type                         | AC                    |
| Luminous flux at emergency operation | 142,5 lm              |
| Recognition distance                 | 8 m                   |
| Nominal current (A)                  | 0,060 A               |
| Total power (W) (light fitting)      | 5,51 W                |

### Working conditions

|   |                   |
|---|-------------------|
| Battery Life                                    | 1000 cyklů        |
| Charging time                                   | 24 h              |
| Charging current (A)                            | 120 mA            |
| Operating frequency                             | 50 - 60 Hz        |
| Battery type                                    | NiCD              |
| Battery capacity                                | 350 mAh           |
| Light source is part of the fixture             | Ano               |
| Permanent connection to mains supply            | Ano               |
| Working temperature of the ballast body -Tc max | 50 °C             |
| Maximum permitted storage temperature           | 80 °C             |
| Burning position                                | Libovolná         |
| Installation height (m)                         | 2 - 3 m           |
| Application                                     | Nouzové osvětlení |
| Type of control gear                            | Elektronický      |
| Ambient temperature                             | -5/+40 °C         |

### Mounting methods/application

|                 |               |
|-----------------|---------------|
| Mounting method | Na stěnu/Wall |
| Mounting method | Nástěnná      |

### Physical characteristics

|                      |                     |
|----------------------|---------------------|
| Type of chip         | SMD                 |
| Dimensions (mm)      | 350 x 117 x 76 mm   |
| Packing method       | 12 - 1              |
| Weight gross         | 0,818 g             |
| Width                | 117 mm              |
| Colour housing       | Šedá                |
| Weight netto         | 0,716 g             |
| Length               | 350 mm              |
| Height/depth (mm)    | 76 mm               |
| Material housing     | Plast               |
| Material cover       | Strukturovaný plast |
| Monitoring equipment | Není dostupný       |
| Number of LEDs       | 30                  |

### EuP Parameters

|  |                |
|--|----------------|
| Average Lifetime B50 (h)                               | <b>30000 h</b> |
| Luminescence Life maintenance factor                   | <b>50,0 %</b>  |
| Factor of functional reliability (LSF) after nom. life | <b>50,0 %</b>  |
| Luminaire maintenance factor                           | <b>1:0</b>     |
| Equivalent to fluo.lamp (W)                            | <b>8 W</b>     |
| Starting time to 90% of the light flow                 | <b>&lt;1 s</b> |
| The rate of premature failures                         | <b>&gt;2 %</b> |
| Rated service life                                     | <b>30000 h</b> |

#### **Additional information**

|                 |             |
|-----------------|-------------|
| Battery quality | <b>NiCd</b> |
| With lamp       | <b>Ano</b>  |

#### **Lighting characteristics**

|                            |                      |
|----------------------------|----------------------|
| Light Colour               | <b>Chladná denní</b> |
| Wavelength range           | <b>400 - 750 nm</b>  |
| Dominant wavelength        | <b>445 nm</b>        |
| Colour temperature         | <b>8900 K</b>        |
| Colour rendering index CRI | <b>75 Ra</b>         |
| Colour temperature         | <b>6000 - 7000 K</b> |
| Effective luminous flux    | <b>142,5 lm</b>      |
| Colour                     | <b>Bílá</b>          |
| Beam angle Degrees (°)     | <b>180 °</b>         |
| Chromaticity coordinates x | <b>0,287</b>         |
| Chromaticity coordinates y | <b>0,299</b>         |

#### **Safety information**

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

#### **Environmental characteristics**

|                 |                |
|-----------------|----------------|
| Mercury content | <b>0,00 mg</b> |
|-----------------|----------------|

#### **Energetic characteristics**

|                        |                |
|------------------------|----------------|
| Lamp Power factor (PF) | <b>&gt;0,9</b> |
|------------------------|----------------|

#### **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**

This product ranks among electrotechnical products powered by mains voltage 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. Please note that the product may only be put into service with original covers, otherwise there may be a risk of electric shock, especially from the terminal block. Only use the product in places that are suitable for this purpose; do not use products intended for indoor use only in the outdoor environment. When installing or dismantling an emergency luminaire, we recommend disconnecting the power supply otherwise there may be a risk of electric shock. Observe the prescribed position

when operating the product and how it is attached. Only connect the product to the rated voltage, or load it only to the maximum permitted power. Install only light sources for this type of luminaire. The manufacturer can not be held responsible for damages resulting from inappropriate connection, connection to an unsuitable distribution system, or damage resulting from the use of an unsuitable light source. Observe the operating values on the label. 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:**

The emergency luminaire is energized even after disconnecting the power supply due to its own charged batteries. Therefore, it is recommended that the installation and disassembly be carried out only by a person with the appropriate electrotechnical qualifications.

Do not throw the emergency luminaire into the mixed waste after use. Take it to the nearest store, collection yard, or other designated location for free recycling. You can also deliver the used luminaires for recycling at our sales outlets. Emergency lights and modules contain a rechargeable battery. You can find the list of collection points on the Retel and Ekolamp Collective Systems pages.

**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.

**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**

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