



General Features

|   |                         |
|---|-------------------------|
| Description:                              | LED floodlight          |
| Insulation class:                         | class II                |
| Rated voltage:                            | 220-240 V 50/60 Hz      |
| Protection Grade:                         | IP66                    |
| Impact protection:                        | IK09                    |
| Surge protection device:                  | integrated 10kV-10kA    |
| Power Factor:                             | > 0.95                  |
| Ambient temperature Ta:                   | -30°C +50°C             |
| Weight:                                   | 4 kg                    |
| Max exposed surface:                      | 0.075 m²                |
| Lateral exposed surface:                  | 0.019 m²                |
| Common mode surge protection:             | 10 kV                   |
| Overvoltage protection differential mode: | 10 kV                   |
| Drivers:                                  | included                |
| Lifetime driver:                          | F10 >100.000h @ Ta 25°C |
| Marks and Certifications:                 | CE / ENEC (pending)     |



Performance Data\*

|                       |          |
|-----------------------|----------|
| Source flow:          | 3255 lm  |
| Source power:         | 16 W     |
| Source efficiency:    | 203 lm/W |
| Device flow:          | 2800 lm  |
| Device power:         | 19 W     |
| Appliance efficiency: | 147 lm/W |
| Glare Index Category: | D6       |

**Product Sheet**

30/04/2024

**Newton 2.0**

Size: x-small

Color Temperature: 3000 K

Type of optics: RS-03 Rotosymmetric Beam

**06NN1B236928AHM4**

Colour: Grey RAL9006

**Optical System**

Source: LED R1

Color Temperature: 3000 K

Color Rendering Index (CRI):  $\geq 70$ Color Consistency (SDCM):  $\leq 3$ 

Type of optics: RS-03 Rotosymmetric Beam

Optical group life: &gt;100.000 h @ Ta 25°C L90B10

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Light intensity category: G\*6

BUG rating: B3-U0-G1

**Normative References**EN60598-1, EN60598-2-3, EN61547; EN62471, EN55015,  
EN61000-3-2, EN61000-3-3**Installation and maintenance**

Installation: ceiling; predisposition IN-OUT

Tilt:  $-90^{\circ} \div +90^{\circ}$  continuously

Fixing: steel bracket

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Power supply compartment: independent from the  
optical group**Flow adjustment**

On request

Virtual Midnight Teaching

X

Arrangement for Zhaga connector (Book 18)

X

Constant flow output (CLO)

X

Adjusting 1-10V

X

DALI control

X

Mains voltage variation

X

Wireless remote management

X

Provision for motion/light sensors

X

**Materials**Body: die-cast aluminium alloy UNI EN AB 47100 (copper  
content < 1%)

Screen: tempered flat glass 4 mm

Lenses: high-transparency PMMA

Fixing system: painted RAL9006 steel adjustable bracket

Seals: anti-age silicone

Screws: stainless steel AISI 304 and 316

Finish: phospho-chromatation treated and polyester  
powder-coated in 16 phases to increase weather resistance**Colors**

■ Grey RAL9006

Code: **06NN1B236928AHM4**

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## Complements



06NN901B0

B242 Visor kit.

Newton 2.0 x-small. Colour: black  
RAL9005.

## NOTES

### \*Performance data

The values indicated in this data sheet are nominal values with a tolerance of  $\pm 7\%$ .

Source flux and source efficiency data refer to the LED module without optics; in case you are interested in the performance of the LED module complete with optical system, you must multiply the data reported by the factor 0.9.

### General Data

The characteristics of the product listed may be subject to change and must be confirmed when ordering.

In order to promote constant updating of its products, Cariboni Group reserves the right to make changes without prior notice.