**Newton 2.0** Size: small Color Temperature: 4000 K Type of optics: LA-03 Wide street

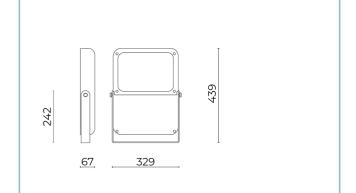


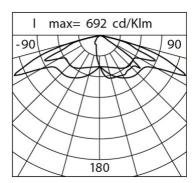
# **General Features**

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: 6.8 kg Max exposed surface: 0.119 m<sup>2</sup> Lateral exposed surface: 0.026 m<sup>2</sup> Common mode surge protection: 10 kV Overvoltage protection differential mode: 10 kV

Driver lifetime: F10 >100.000h @ Ta 25°C

Marks and Certifications: ENEC / ENEC+ / CE





## Performance Data\*

| Source flux:          | 5465 lm  |
|-----------------------|----------|
| Source power:         | 27.5 W   |
| Source efficiency:    | 199 lm/W |
| Device flux:          | 4700 lm  |
| Device power:         | 31 W     |
| Appliance efficiency: | 152 lm/W |
| Glare Index Category: | D5       |
|                       |          |



**Newton 2.0** Size: small Color Temperature: 4000 K Type of optics: LA-03 Wide street

# **Optical System**

| Source: LED R1   |
|--|
| Color Temperature: 4000 K  |
| Color Rendering Index (CRI): ≥ 70  |
| Chromatic consistency (SDCM): ≤ 3  |
| Type of optics: LA-03 Wide street  |
| Optical group life: >100.000 h @ Ta 25°C L90B10                                |
| Photobiological safety class: EXEMPT GROUP                                     |
| ULOR: 0%   |
| DLOR: 100%   |
| Light intensity category: G*3  |
| BUG rating: B2-U0-G2   |
| Normative References   |
| EN60598-1, EN60598-2-3, EN61547; EN62471, EN55015,<br>EN61000-3-2, EN61000-3-3 |
|  |
| Installation and maintenance   |
| Installation: wall / ceiling / pole; predisposition IN-OUT                     |
| Tilt: -90° ÷ +90° continuously   |
| Fixing: steel bracket  |
| Ø power cable: 10 ÷ 14 mm  |
| Calala Clarada DCIC  |

Cable Gland: PG16

Power supply compartment: independent from the optical group

| Flow adjustment                           | On request |
|---|------------|
| Virtual Midnight Teaching                 | Х          |
| Arrangement for Zhaga connector (Book 18) | Х          |
| Constant flow output (CLO)                | Х          |
| Adjusting 1-10V                           | Х          |
| DALI control                              | Х          |
| Mains voltage variation                   | Х          |
| Wireless remote management                | Х          |
| Provision for motion/light sensors        | Х          |

# 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

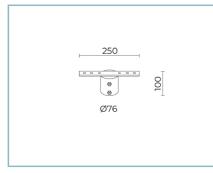
Grey RAL9006

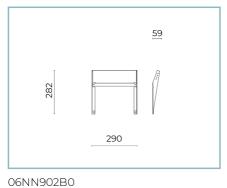
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**Newton 2.0** Size: small Color Temperature: 4000 K Type of optics: LA-03 Wide street

## Complements





### 06NW902A0

L14 Post top kit for Ø 76 mm poles. Colour: grey RAL9006. Newton 2.0 small/medium. B243 Visor kit. Newton 2.0 small. Colour: black RAL9005.

#### NOTES

#### \*Performance data

The values indicated in this data sheet are nominal values with a tolerance of +/-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.

