



**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:                                   | 14 kg                   |
| Max exposed surface:                      | 0.229 m <sup>2</sup>    |
| Lateral exposed surface:                  | 0.039 m <sup>2</sup>    |
| 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:          | 42965 lm |
| Source power:         | 255 W    |
| Source efficiency:    | 168 lm/W |
| Device flow:          | 36725 lm |
| Device power:         | 274 W    |
| Appliance efficiency: | 134 lm/W |
| Glare Index Category: | D4       |

**Optical System**

|  |
|--|
| Source: LED R6                                       |
| Color Temperature: 3000 K                            |
| Color Rendering Index (CRI): $\geq 70$               |
| Color Consistency (SDCM): $\leq 3$                   |
| Type of optics: LT-64 Asymmetric beam with backlight |
| Optical group life: >100.000 h @ Ta 25°C L90B10      |
| Photobiological safety class: EXEMPT GROUP           |
| ULOR: 0%   |
| DLOR: 100%   |
| Light intensity category: G*4                        |
| BUG rating: B3-U0-G3                                 |

**Normative References**

|   |
|---|
| EN60598-1, EN60598-2-3, EN61547; EN62471, EN55015, EN61000-3-2, EN61000-3-3 |
|---|

**Installation and maintenance**

|  |
|--|
| Installation: wall / ceiling / pole; predisposition IN-OUT   |
| Tilt: $-90^{\circ} \div +90^{\circ}$ continuously            |
| Fixing: steel bracket  |
| Ø power cable: 10 ÷ 17 mm                                    |
| Cable Gland: M25   |
| Power supply compartment: independent from the optical group |

**Flow adjustment**

|   | Standard | 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          |
| Emergency lighting                        | 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: stainless steel AISI 304 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: <b>06NN4H290925AHL</b> |
|--|------------------------------|

## Product Sheet

30/04/2024

## Newton 2.0

Size: large

Color Temperature: 3000 K

Type of optics: LT-64 Asymmetric beam with backlight

**06NN4H290925AHL**

Colour: Grey RAL9006

## Complements



06NN900X0

B238 Post top kit  
for Ø 76 mm poles. Colour: grey  
RAL9006. Newton 2.0 large.



06NN904B0

B245 Visor kit.  
Newton 2.0 large. 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.