





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: 9.8 kg

Max exposed surface: 0.155 m²

Lateral exposed surface: 0.034 m²

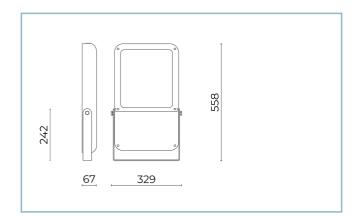
Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

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

Marks and Certifications: ENEC / ENEC+ / CE



max= 629 cd/Klm -90 90 180

Performance Data*

| Source flux: | 21270 lm |
|-----------------------|----------|
| Source power: | 118.5 W |
| Source efficiency: | 179 lm/W |
| Device flux: | 18290 lm |
| Device power: | 129 W |
| Appliance efficiency: | 142 lm/W |
| Glare Index Category: | D2 |



Product Sheet Rev 05/07/2024

Newton 2.0 Size: medium

Color Temperature: 4000 K

Type of optics: LT-64 Asymmetric beam with backlight

06NN3D684025AHM4

Colour: Grey RAL9006

| Optical System | |
|--|--|
| Source: LED R3 | |
| Color Temperature: 4000 K | |
| Color Rendering Index (CRI): ≥ 70 | |
| Chromatic consistency (SDCM): ≤ 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: B5-U0-G5 | |

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° ÷ +90° 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 | 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 | 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: 06NN3D684025AHM4 |
|--------------|-------------------------------|
| | |



Newton 2.0

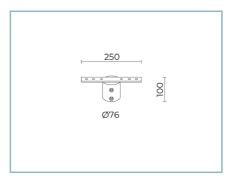
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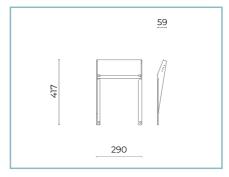
Complements



06NW902A0

L14 Post top kit

for Ø 76 mm poles. Colour: grey RAL9006. Newton 2.0 small/medium.



06NN903B0

B244 Visor kit.

Newton 2.0 medium. 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.

