Product Sheet
Rev 05/07/2024

Newton 2.0
Size: medium
Color Temperature: 3000 K
Type of optics: LT-64 Asymmetric beam with backlight

06NN3E896925AHM4
Colour: Grey RAL9006

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	

Performance Data*

Source flux:	29915 lm
Source power:	182.5 W
Source efficiency:	164 lm/W
Device flux:	25730 lm
Device power:	194 W
Appliance efficiency:	133 lm/W
Glare Index Category:	D6

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Optical System

Source: LED R4	
Color Temperature: 3000 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: B2-U0-G1	

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	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
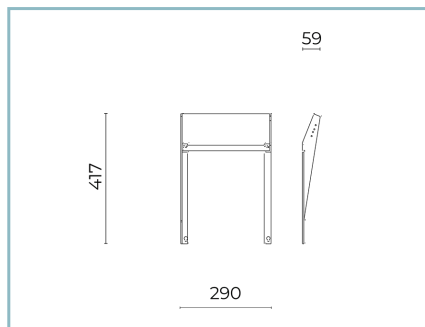
Colors

Grey RAL9006   Code: **06NN3E896925AHM4**

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Complements

250

100

Ø76

06NW902A0

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

59

417

290

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.

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