



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
Drivers:	included
Lifetime driver:	F10 >100.000h @ Ta 25°C
Marks and Certifications:	CE / ENEC (pending)



Performance Data\*

Source flow:	14410 lm
Source power:	85.5 W
Source efficiency:	169 lm/W
Device flow:	12390 lm
Device power:	93 W
Appliance efficiency:	133 lm/W
Glare Index Category:	D3

**Product Sheet**

30/04/2024

**Newton 2.0**

Size: small

Color Temperature: 3000 K

Type of optics: LA-03 Wide street

**06NN2C490917AHM4**

Colour: Grey RAL9006

**Optical System**

Source: LED R2

Color Temperature: 3000 K

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

Type of optics: LA-03 Wide street

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

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Light intensity category: G\*3

BUG rating: B5-U0-G4

**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 ÷ 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 RAL9006Code: **06NN2C490917AHM4**

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## Complements



06NW902A0

L14 Post top kit

for Ø 76 mm poles. Colour: grey

RAL9006. Newton 2.0 small/medium.



06NN902B0

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.