Product Sheet
Rev 05/07/2024

Newton 2.0
Size: large
Color Temperature: 3000 K
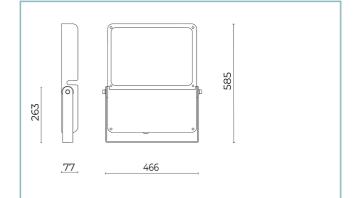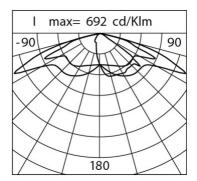Type of optics: LA-03 Wide street

06NN4L6120917AHL
Colour: Grey RAL9006

General Features

Description: LED floodlight	
Insulation class: class I	
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 +40°C	
Weight: 14 kg	
Max exposed surface: 0.229 m²	
Lateral exposed surface: 0.039 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: CE / ENEC (pending)	

I   max= 692 cd/Klm

-90   90

180

Performance Data*

Source flux:	70750 lm
Source power:	468.5 W
Source efficiency:	151 lm/W
Device flux:	60475 lm
Device power:	498 W
Appliance efficiency:	121 lm/W
Glare Index Category:	D5

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Optical System

Source: LED R8

Color Temperature: 3000 K

Color Rendering Index (CRI): ≥ 70

Chromatic consistency (SDCM): ≤ 3

Type of optics: LA-03 Wide street

Optical group life: >80.000 h @ Ta 25°C L80B10

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, 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 ÷ 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
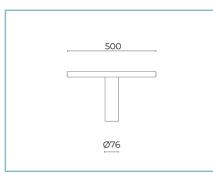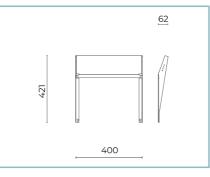
Colors

◼ Grey RAL9006   Code: **06NN4L6120917AHL**

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Complements

500

Ø76

06NN900X0

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

62

421

400

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.

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