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

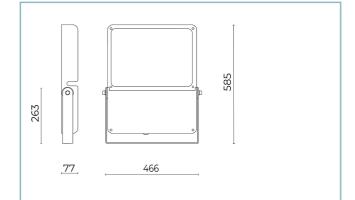


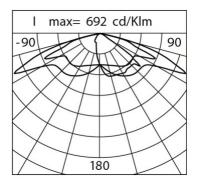
# **General Features**

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
Driver: included

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

Marks and Certifications: CE / ENEC (pending)





### Performance Data\*

Source flux:	47100 lm
Source power:	293 W
Source efficiency:	161 lm/W
Device flux:	40260 lm
Device power:	315 W
Appliance efficiency:	128 lm/W
Glare Index Category:	D5



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

# **Optical System**

Source: LED R6	
Color Temperature: 3000 K	
Color Rendering Index (CRI): ≥ 70	
Chromatic consistency (SDCM): ≤ 3	
Type of optics: LA-03 Wide street	
Optical group life: >100.000 h @ Ta 25°C L90B10	
Photobiological safety class: EXEMPT GROUP	
ULOR: 0%	
DLOR: 100%	
Light intensity category: G*3	
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° ÷ +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	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
Emergency lighting	Х
Provision for motion/light sensors	Х

# 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

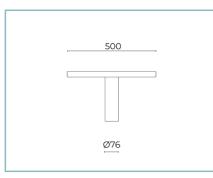
Grey RAL9006

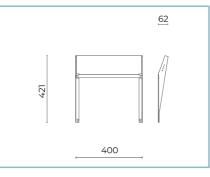
Code: 06NN4H2102917AHL



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

## 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.

