



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



Performance Data*

Source flow:	71830 lm
Source power:	442.5 W
Source efficiency:	162 lm/W
Device flow:	61770 lm
Device power:	471 W
Appliance efficiency:	131 lm/W
Glare Index Category:	D6

Optical System

Source: LED R8
Color Temperature: 4000 K
Color Rendering Index (CRI): ≥ 70
Color 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: B1-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 ÷ 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: 06NN4L6114017AHL
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Product Sheet

30/04/2024

Newton 2.0

Size: large

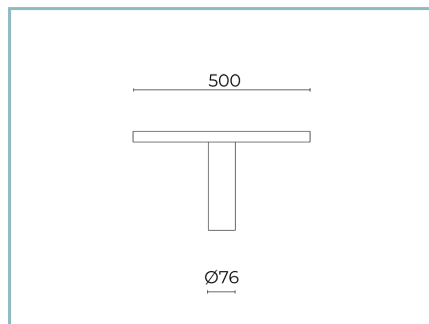
Color Temperature: 4000 K

Type of optics: LA-03 Wide street

06NN4L6114017AHL

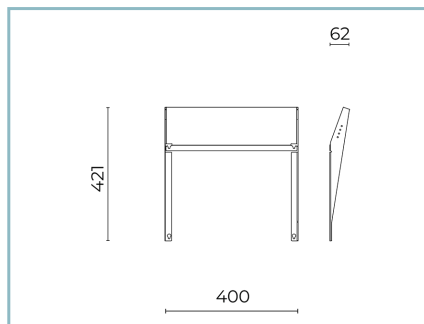
Colour: Grey RAL9006

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.