06NN4H284025AHL





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 m²

Lateral exposed surface: 0.039 m²

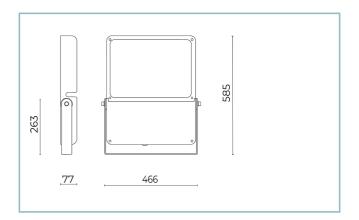
Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

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

Marks and Certifications: CE / ENEC (pending)



max= 629 cd/Klm -90 90 180

Performance Data*

Source flux:	42795 lm
Source power:	236.5 W
Source efficiency:	181 lm/W
Device flux:	36800 lm
Device power:	257 W
Appliance efficiency:	143 lm/W
Glare Index Category:	D5



Product Sheet

Rev 05/07/2024

Newton 2.0 Size: large

Color Temperature: 4000 K

Type of optics: LT-64 Asymmetric beam with backlight

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Colour: Grey RAL9006

Optical System		
Source: LED R6		
Color Temperature: 4000 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-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		Χ
DALI control	Χ	
Mains voltage variation		Χ
Wireless remote management		Χ
Emergency lighting	Χ	
Provision for motion/light sensors		Χ

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: 06NN4H284025AHL



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Newton 2.0

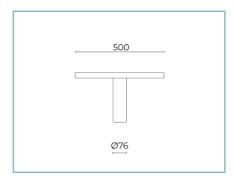
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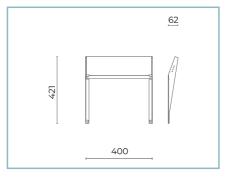
Colour: Grey RAL9006

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.

