

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: 4 kg

Max exposed surface: 0.075 m²

Lateral exposed surface: 0.019 m²

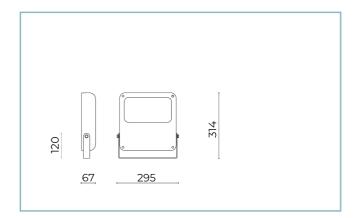
Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

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

Marks and Certifications: ENEC / ENEC+ / CE



I max= 399 cd/Klm -90 90

Performance Data*

Source flux:	3960 lm
Source power:	19 W
Source efficiency:	208 lm/W
Device flux:	3405 lm
Device power:	22 W
Appliance efficiency:	155 lm/W
Glare Index Category:	D6



Product Sheet

Rev 05/07/2024

Newton 2.0Size: x-small
Color Temperature: 4000 K
Type of optics: RS-03 Rotosymmetric Beam

06NN1B242028AHM4

Colour: Grey RAL9006

Optical System		
Source: LED R1		
Color Temperature: 4000 K		
Color Rendering Index (CRI): ≥ 70		
Chromatic consistency (SDCM): ≤ 3		
Type of optics: RS-03 Rotosymmetric Beam		
Optical group life: >100.000 h @ Ta 25°C L90B10		
Photobiological safety class: EXEMPT GROUP		
ULOR: 0%		
DLOR: 100%		
Light intensity category: G*6		

BUG rating: B2-U0-G0 Normative References

optical group

EN60598-1, EN60598-2-3, EN61547; EN62471, EN55015, EN61000-3-2, EN61000-3-3

Installation and maintenance

Installation: ceiling; predisposition IN-OUT		
Tilt: -90° ÷ +90° continuously		
Fixing: steel bracket		
Ø power cable: 10 ÷ 14 mm		
Cable Gland: PG16		

Power supply compartment: independent from the

Flow adjustment	On request
Virtual Midnight Teaching	Χ
Arrangement for Zhaga connector (Book 18)	X
Constant flow output (CLO)	X
Adjusting 1-10V	X
DALI control	Χ
Mains voltage variation	Χ
Wireless remote management	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: 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 RAL9006	Code: 06NN1B242028AHM4

Newton 2.0

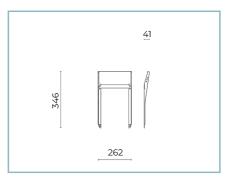
Size: x-small Color Temperature: 4000 K

Type of optics: RS-03 Rotosymmetric Beam

06NN1B242028AHM4

Colour: Grey RAL9006

Complements



06NN901B0

B242 Visor kit.

Newton 2.0 x-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.

