



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:	6.8 kg
Max exposed surface:	0.119 m²
Lateral exposed surface:	0.026 m²
Common mode surge protection:	10 kV
Overvoltage protection differential mode:	10 kV
Drivers:	included
Lifetime driver:	F10 >100.000h @ Ta 25°C
Marks and Certifications:	CE / ENEC (pending)



Performance Data*

Source flow:	2740 lm
Source power:	13 W
Source efficiency:	211 lm/W
Device flow:	2355 lm
Device power:	16 W
Appliance efficiency:	147 lm/W
Glare Index Category:	D3

Optical System

Source: LED R1
Color Temperature: 3000 K
Color Rendering Index (CRI): ≥ 70
Color 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: B5-U0-G4

Normative References

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

Installation and maintenance

Installation: ceiling; predisposition IN-OUT
Tilt: $-90^{\circ} \div +90^{\circ}$ continuously
Fixing: steel bracket
Ø power cable: 10 ÷ 14 mm
Cable Gland: PG16
Power supply compartment: independent from the optical group

Flow adjustment

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
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: 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: 06NN2B230928AHM4
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Product Sheet

30/04/2024

Newton 2.0

Size: small

Color Temperature: 3000 K

Type of optics: RS-03 Rotosymmetric Beam

06NN2B230928AHM4

Colour: Grey RAL9006

Complements



06NW902A0

L14 Post top kit
for Ø 76 mm poles. Colour: grey
RAL9006. Newton 2.0 small/medium.



06NN902B0

B243 Visor kit.
Newton 2.0 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.