

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

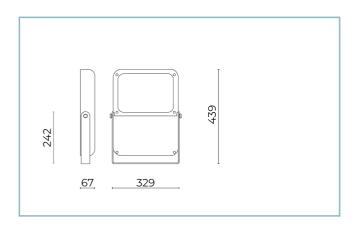
Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

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

Marks and Certifications: ENEC / ENEC+ / CE



max= 629 cd/Klm -90 90 180

Performance Data*

Source flux:	9840 lm
Source power:	49 W
Source efficiency:	201 lm/W
Device flux:	8460 lm
Device power:	53 W
Appliance efficiency:	160 lm/W
Glare Index Category:	D4



Product Sheet Rev 05/07/2024

Newton 2.0

Size: small Color Temperature: 4000 K

Type of optics: LT-64 Asymmetric beam with backlight

06NN2C454025AHM4

Colour: Grey RAL9006

Optical System
Source: LED R2
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%

BUG rating: B3-U0-G3 Normative References

Light intensity category: G*4

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 ÷ 14 mm

Cable Gland: PG16

Power supply compartment: independent from the optical group

Flow adjustment On requ	
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
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

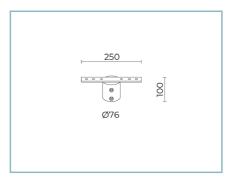
Colors

Grey RAL9006 Code: 06NN2C454025AHM4



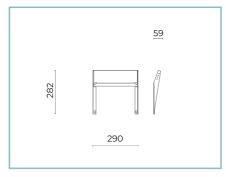
06NN2C454025AHM4 Colour: Grey RAL9006

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.

