




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



Performance Data*

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

Product Sheet Rev 05/07/2024	Newton 2.0	06NN2C454028AHM4
	Size: small Color Temperature: 4000 K Type of optics: RS-03 Rotosymmetric Beam	Colour: Grey RAL9006
Optical System	Flow adjustment	On request
Source: LED R2	Virtual Midnight Teaching	X
Color Temperature: 4000 K	Arrangement for Zhaga connector (Book 18)	X
Color Rendering Index (CRI): ≥ 70	Constant flow output (CLO)	X
Chromatic consistency (SDCM): ≤ 3	Adjusting 1-10V	X
Type of optics: RS-03 Rotosymmetric Beam	DALI control	X
Optical group life: >100.000 h @ Ta 25°C L90B10	Mains voltage variation	X
Photobiological safety class: EXEMPT GROUP	Wireless remote management	X
ULOR: 0%	Provision for motion/light sensors	X
DLOR: 100%		
Light intensity category: G*6		
BUG rating: B3-U0-G3		
Normative References	Materials	
EN60598-1, EN60598-2-3, EN61547; EN62471, EN55015, EN61000-3-2, EN61000-3-3	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	
Installation and maintenance	Colors	
Installation: ceiling; predisposition IN-OUT	 Grey RAL9006	Code: 06NN2C454028AHM4
Tilt: -90° ÷ +90° continuously		
Fixing: steel bracket		
Ø power cable: 10 ÷ 14 mm		
Cable Gland: PG16		
Power supply compartment: independent from the optical group		

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.