



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
Drivers:	included
Lifetime driver:	F10 >100.000h @ Ta 25°C
Marks and Certifications:	CE / ENEC (pending)



Performance Data*

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

Optical System

Source: LED R6
Color Temperature: 4000 K
Color Rendering Index (CRI): ≥ 70
Color 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: $-90^{\circ} \div +90^{\circ}$ 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		X
DALI control	X	
Mains voltage variation		X
Wireless remote management		X
Emergency lighting	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: 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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Product Sheet

30/04/2024

Newton 2.0

Size: large

Color Temperature: 4000 K

Type of optics: LT-64 Asymmetric beam with backlight

06NN4H284025AHL

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.