



General Features

Description: LED luminaire

Insulation class: class II (class I on request)

Rated voltage: 220-240 V 50/60 Hz

Protection Grade: IP66

Impact protection: IK09

Surge protection device: integrated 10kV-10kA, Type 3, equipped with LED signaling and thermofusible for disconnection at the end of life; impulse withstand CL II 10kV DM

Power Factor: > 0.90

Ambient temperature Ta: -30°C +50°C

Weight: 8.2 kg

Max exposed surface: 0.19 m²

Lateral exposed surface: 0.07 m²

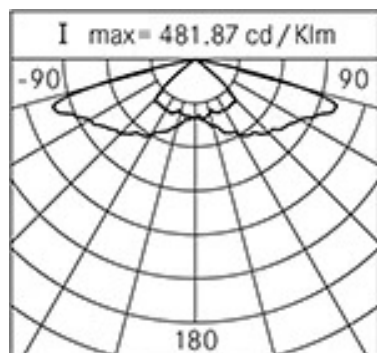
Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

Driver lifetime: >100.000h @700mA @Ta25°C \ <0,2% 1.000h

Marks and Certifications: ENEC / CE



Performance Data*

LED Current:	350 mA
Source flow:	4630 lm
Source power:	23 W
Source efficiency:	201 lm/W
Fitting flux:	3985 lm
Fitting power:	26.5 W
Fitting efficiency:	150 lm/W
Glare Index Category:	D5

Optical System

Source: LED R2
Colour Temperature: 4000 K
Color Rendering Index (CRI): ≥ 70
Chromatic consistency (SDCM): ≤ 4
Type of optics: street symmetrical SO-01
Optical group life: >160.000h @700mA @Ta25°C TM21 L80B20 >160.000h @700mA @Ta25°C TM21 L80B10
Photobiological safety class: EXEMPT GROUP
ULOR: 0%
DLOR: 100%
Light intensity category: G*4

Normative References

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

Installation and maintenance

Installation: suspension for string $\varnothing 6 \div 12$ mm, inclination horizontal $\pm 15^\circ$, adjustability $0^\circ \div 360^\circ$
\varnothing power cable: $10 \div 14$ mm
Cable Gland: PG16
Replaceable wiring plate: removable plate
Replaceable optical unit: each LED module is replaceable
Screen opening: opening by clip, fall block
Disconnecter: automatic (with terminal section 2.5 mm ²)
Power supply compartment: independent from the optical system

Flux regulation

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
Pilot line	X
Power line telemanagement (PLC)	X
Wireless remote management	X
Arrangement for motion / brightness sensors	X

Materials

Body: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)
Screen: tempered flat glass
Lenses: high-transparency PMMA
Fitting system: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)
Seals: expanded anti-age silicone foam
Screws: stainless steel AISI 304
Wiring plate: zinc-plated steel
Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

Colours

 Sablé 100 Noir	Code: 01VO3C43039CHM4
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Product Sheet

Rev 12/10/2022

Volta String Suspension

Size: small

Colour Temperature: 4000 K

Type of optics: street symmetrical SO-01

01VO3C43039CHM4Colour: Sablé 100 Noir

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.