Product Sheet
Rev 24/05/2024

Volta String Suspension
Size: medium
Color Temperature: 2700 K
Type of optics: SO-02 Street centered

01VO6D654826CHM4
Colour: Sablé 100 Noir

290

Ø580

General Features

Description: LED luminaire	
Insulation class: class II	
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: 12 kg	
Max exposed surface: 0.28 m²	
Lateral exposed surface: 0.09 m²	
Common mode surge protection: 10 kV	
Overvoltage protection differential mode: 10 kV	
Driver: included	
Driver lifetime: >100.000 h @ Ta 25°C (0,2% / 1000h)	
Marks and Certifications: ENEC / CE	

I max= 456 cd/Klm

-90   90

180

Performance Data*

Source flux:	12410 lm
Source power:	73.5 W
Source efficiency:	169 lm/W
Device flux:	10575 lm
Device power:	80 W
Appliance efficiency:	132 lm/W
Glare Index Category:	D5

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Optical System

Source: LED R3

Color Temperature: 2700 K

Color Rendering Index (CRI): ≥ 70

Chromatic consistency (SDCM): ≤ 3

Type of optics: SO-02 Street centered

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: B3-U0-G1

Normative References

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

Installation and maintenance

Installation: suspension for string Ø 6 ÷ 12 mm, inclination horizontal ± 15°, adjustability 0° ÷ 360°

Ø power cable: 10 ÷ 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

Disconnector: automatic (with terminal section 2.5 mm²)

Power supply compartment: independent from the optical system

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
Power line telemanagement (PLC)	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

Lenses: high-transparency PMMA

Fixing 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

Colors

■ Sablé 100 Noir   Code: **01VO6D654826CHM4**

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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.

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