**Orao String Suspension** 

Size: medium Color Temperature: 3000 K

Type of optics: SO-02 Street centered

010R4C448926CHM4

Colour: Sablé 100 Noir



# **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: 12.00 kg

Max exposed surface: 0,34 m<sup>2</sup>

Lateral exposed surface: 0,05 m<sup>2</sup>

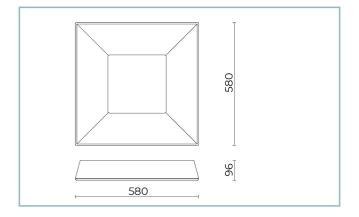
Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

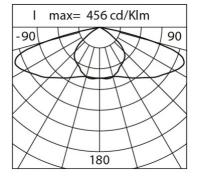
Driver lifetime: >100.000 h @ Ta 25°C (0,2% / 1000h)

Marks and Certifications: ENEC / CE



# Performance Data\*

Source flux:	8435 lm
Source power:	43 W
Source efficiency:	196 lm/W
Device flux:	7255 lm
Device power:	47 W
Appliance efficiency:	154 lm/W
Glare Index Category:	D6



**Product Sheet** Rev. 24/06/2024

Ontical System

Orao String Suspension

Size: medium Color Temperature: 3000 K Type of optics: SO-02 Street centered 010R4C448926CHM4

Colour: Sablé 100 Noir

Optical System	
Source: LED R2	
Color Temperature: 3000 K	
Color Dondorina Indov (CDI): > 70	

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: B2-U0-G1

# **Normative References**

EN60598-1 / EN60598-2-3 / EN62471 / EN61547

#### Installation and maintenance

Installation: on string suspension

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Replaceable wiring plate: removable plate

Replaceable optical unit: LED disc replacement

Power supply compartment: independent from the optical system

Flow adjustment	On request
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	X
Power line telemanagement (PLC)	Х
Wireless remote management	Х

#### **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: **010R4C448926CHM4** 



**Product Sheet** 

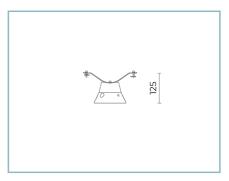
Rev. 24/06/2024

**Orao String Suspension** 

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Colour: Sablé 100 Noir

## Complements



## 010R915C0

B82 Suspension kit for  $\emptyset$  6-12 mm string.

Colour: 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.

