

# 420

# **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: 7.50 kg

Max exposed surface: 0,140 m<sup>2</sup>

Lateral exposed surface: 0,063 m<sup>2</sup>

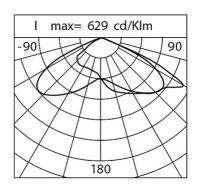
Common mode surge protection: 10 kV

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:	7465 lm
Source power:	37.5 W
Source efficiency:	199 lm/W
Device flux:	6420 lm
Device power:	42 W
Appliance efficiency:	152 lm/W
Glare Index Category:	D5

**Product Sheet** 

Rev. 28/06/2024

**Kosmos Post Top** 

Size: medium Color Temperature: 3000 K

Type of optics: LT-64 Asymmetric beam with backlight

06KS2C442925CHM4 Colour: Sablé 100 Noir

Optical System
Source: LED R2
Color Temperature: 3000 K
Color Rendering Index (CRI): ≥ 70
Chromatic 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-G1

### Installation and maintenance

**Normative References** 

Installation: post top / side pole / arm

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

Pole diameter: Ø 60 - 76 - 102 mm

Tilt: (pole side) continuous / stepped adjustment -10° +190° (step 5°)

Fixing: post top with single arm, made of die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%), polyester powder coated (Sablé 100 Noir); pole Ø 76 mm, with post top reduction  $\emptyset$  60 mm H. 90 mm.

Wiring: pre-wired product

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	X	
Constant flow output (CLO)	X	
DALI control	X	
Mains voltage variation	X	
Power line telemanagement (PLC)	X	
Wireless remote management	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: <b>06KS2C442925CHM4</b>



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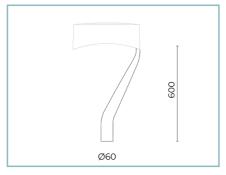
Colour: Sablé 100 Noir

# Complements





B89 Connector 4 way IP68



06KS901C0

B81 Arm for post top Ø 60 mm. Fastening part H. Ø 90 mm. 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.

