



### 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: 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

Drivers: included

Marks and Certifications: ENEC / CE



### Performance Data\*

|                       |          |
|-----------------------|----------|
| LED Current:          | 700 mA   |
| Source flow:          | 4260 lm  |
| Source power:         | 24 W     |
| Source efficiency:    | 178 lm/W |
| Device flow:          | 3665 lm  |
| Device power:         | 27 W     |
| Appliance efficiency: | 136 lm/W |
| Glare Index Category: | D5       |

### Optical System

|  |
|--|
| Source: LED R1   |
| Color Temperature: 4000 K  |
| Color Rendering Index (CRI): $\geq 70$   |
| Color Consistency (SDCM): $\leq 4$   |
| Type of optics: street asymmetrical LA-01  |
| Optical group life: >160.000h @700mA @Ta25°C TM21<br>L80B20 >160.000h @700mA @Ta25°C TM21 L80B10 |
| Photobiological safety class: EXEMPT GROUP   |
| ULOR: 0%   |
| DLOR: 100%   |
| Light intensity category: G*3  |

### Normative References

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

### Installation and maintenance

|  |
|--|
| Installation: post top / side pole / arm / wall  |
| Pole diameter: Ø 60 - 76 - 102 mm  |
| Tilt: continuous / stepped adjustment -10° +190° (step 5°)   |
| Fixing: upwards installation on a pole arm (for poles Ø 60-76 mm or poles Ø 102 mm) with adjustable joint made of die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%), polyester powder coated (Sablé 100 Noir); L-shaped joint 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 Ø 60 mm H. Ø 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

|                                    | Standard | On request |
|------------------------------------|----------|------------|
| Virtual Midnight Teaching          | 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          |
| 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: <b>06KS2B20031CHM4</b> |
|------------------|------------------------------|

## Complements



06KS906C0

B86 Joint for post top  
Ø 60 mm. Colour: Sablé 100 Noir.



06KS904C0

B84 Joint for Ø 60 mm arms.  
Colour: Sablé 100 Noir.



06KS909C0

B89 Connector 4 way IP68



06KS912C0

B92 Single arm  
for poles Ø 102 mm. L=350 mm. Colour:  
Sablé 100 Noir.



06KS913C0

B93 Single arm  
for poles Ø 102 mm. L=700 mm.  
Colour: Sablé 100 Noir.



06KS914C0

B94 Double arm  
for poles Ø 102 mm. L=350 mm. Colour:  
Sablé 100 Noir.



06KS915C0

B95 Double arm  
for poles Ø 102 mm. L=700 mm.  
Colour: Sablé 100 Noir.



06KS907C0

B87 Single arm  
for poles Ø 60-76 mm. L=350 mm.  
Colour: Sablé 100 Noir.



06KS908C0

B88 Single arm  
for poles Ø 60-76 mm. L=700 mm.  
Colour: Sablé 100 Noir.

**Product Sheet**

Rev. 25/03/2022

**Kosmos Pole Side**

Size: medium

Color Temperature: 4000 K

Type of optics: street asymmetrical LA-01

**06KS2B20031CHM4**

Colour: Sablé 100 Noir

**06KS910CO**

B90 Double arm

for poles Ø 60-76 mm. L=350 mm.

Colour: Sablé 100 Noir.

**06KS911CO**

B91 Double arm

for poles Ø 60-76 mm. L=700 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.