



**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 m²                                                                                                                                          |
| Lateral exposed surface:                  | 0,063 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                                                                                                                                         |



**Performance Data\***

|                       |          |
|-----------------------|----------|
| Source flow:          | 2210 lm  |
| Source power:         | 10.5 W   |
| Source efficiency:    | 210 lm/W |
| Device flow:          | 1900 lm  |
| Device power:         | 13 W     |
| Appliance efficiency: | 146 lm/W |
| Glare Index Category: | D5       |

### Optical System

|                                                 |
|-------------------------------------------------|
| Source: LED R1                                  |
| Color Temperature: 3000 K                       |
| Color Rendering Index (CRI): $\geq 70$          |
| Chromatic consistency (SDCM): $\leq 3$          |
| Type of optics: AP-D2 Pedestrian crossing       |
| Optical group life: >100.000 h @ Ta 25°C L90B10 |
| Photobiological safety class: EXEMPT GROUP      |
| ULOR: 0%                                        |
| DLOR: 100%                                      |
| Light intensity category: G*6                   |
| BUG rating: B1-U0-G0                            |

### Normative References

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

### Installation and maintenance

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Installation: side pole / arm / wall                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Pole diameter: $\varnothing$ 60 - 76 - 102 mm                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Tilt: (pole side, wall) continuous / stepped adjustment -10° +190° (step 5°)                                                                                                                                                                                                                                                                                                                                                                                                       |
| Fixing: upwards installation on a pole arm (for poles $\varnothing$ 60-76 mm or poles $\varnothing$ 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 $\varnothing$ 76 mm, with post-top reduction $\varnothing$ 60 mm H. $\varnothing$ 90 mm. |
| Wiring: pre-wired product                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| $\varnothing$ 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>06KS2B224919CHM4</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. 28/06/2024

## Kosmos Pole Side

Size: medium

Color Temperature: 3000 K

Type of optics: AP-D2 Pedestrian crossing

**06KS2B224919CHM4**

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.