



General Features

Description: post top LED luminaire

Insulation class: classe 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: 8.00 kg

Max exposed surface: 0,16 m²

Lateral exposed surface: 0,068 m²

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 | 525 mA | 350 mA |
| Source flow: | 8215 lm | 6530 lm | 4635 lm |
| Source power: | 48 W | 35.5 W | 23 W |
| Source efficiency: | 171 lm/W | 184 lm/W | 202 lm/W |
| Device flow: | 6080 lm | 4830 lm | 3430 lm |
| Device power: | 52.5 W | 39.5 W | 26.5 W |
| Appliance efficiency: | 116 lm/W | 122 lm/W | 129 lm/W |
| Glare Index Category: | D4 | D4 | D5 |

Optical System

| |
|---|
| Source: LED R2 |
| Color Temperature: 4000 K |
| Color Rendering Index (CRI): ≥ 70 |
| Color Consistency (SDCM): ≤ 4 |
| Type of optics: street asymmetrical ME-01 |
| Optical group life: >160.000h @700mA @Ta25°C TM21 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 |
| Pole diameter: Ø 60 mm (76 - 102 mm with accessories) |
| Fixing: 3 x AISI 304 stainless steel securing bolts |
| Ø power cable: 8 ÷ 13 mm |
| Cable gland: M20 |
| 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 5 mm |
| 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: self-extinguishable technopolymer V0 |
| Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance |

Colors

| | |
|------------------|------------------------------|
| ■ Sablé 100 Noir | Code: 01KA5C40032CHM3 |
|------------------|------------------------------|

Complements



01KA901C0

Cover for KALOS with 4 brackets on post top or on arm for upwards installation. Colour: Sablé 100 Noir.



01KA902C0

B35 Single arm
L=1000 mm for poles Ø 102 mm with a Ø 60 mm fastening part H. 120 mm. Colour: Sablé 100 Noir.



01KA903C0

B36 Double arm
L=1000 mm for poles Ø 102 mm with a Ø 60 mm fastening part H. 120 mm. Colour: Sablé 100 Noir.



01KA904C0

B37 Single arm
L=500 mm for poles Ø 102 mm with a Ø 60 mm fastening part H. 120 mm. Colour: Sablé 100 Noir.



01KA905C0

B38 Double arm
L=500 mm for poles Ø 102 mm with a Ø 60 mm fastening part H. 120 mm. Colour: Sablé 100 Noir.



01KA906C0

B39 Single arm
L=1000 mm for poles Ø 102 mm. Colour: Sablé 100 Noir.



01KA907C0

B44 Double arm
L=1000 mm for poles Ø 102 mm. Colour: Sablé 100 Noir.



01KA908C0

B45 Single arm
L=500 mm for poles Ø 102 mm. Colour: Sablé 100 Noir.



01KA909C0

B46 Double arm
L=500 mm for poles Ø 102 mm. Colour: Sablé 100 Noir.

Product Sheet

Rev. 25/03/2022

Kalos Pole Side

Options: 4 arms

Color Temperature: 4000 K

Type of optics: street asymmetrical ME-01

01KA5C40032CHM3

Colour: Sablé 100 Noir



01KA910CO

B39-P Wall-mounted arm

L=1000 mm. UP / DOWN. Colour: Sablé 100 Noir.



01KA911CO

B45-P Wall-mounted arm

L=500 mm. UP / DOWN. Colour: Sablé 100 Noir.

NOTES

*Performance data

The values indicated in this data sheet are nominal values with a tolerance of $\pm 7\%$.

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.