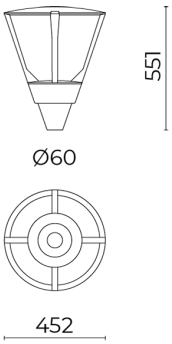
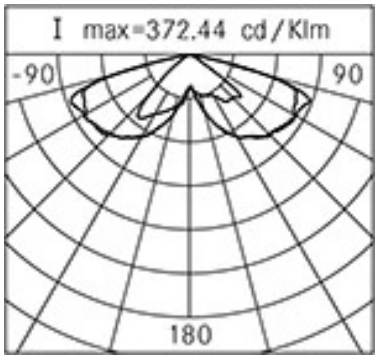


General Features

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 m^2
Lateral exposed surface: 0,068 m^2
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 F&B ST-01 + LA-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

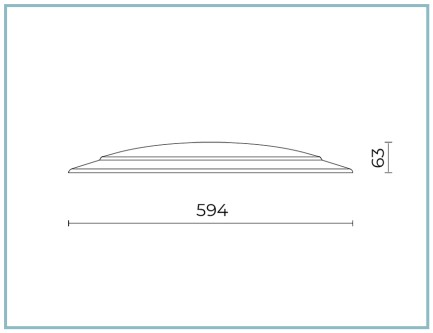
Flow adjustment	Standard	On request
Virtual Midnight Teaching	X	
Constant flow output (CLO)		X
Adjusting 1-10V		X
DALI control		X
Mains voltage variation		X
Pilot line		X
Power line telemanagement (PLC)		X
Wireless remote management		X
Provision for motion/light sensors		X

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

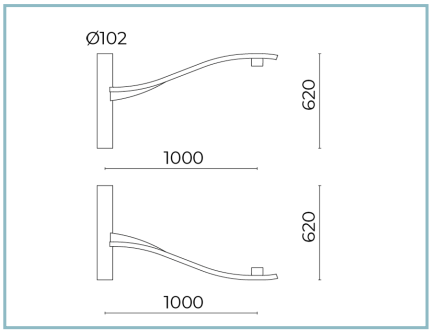
■ Sablé 100 Noir	Code: **01KA5C40076CHM3**

Complements



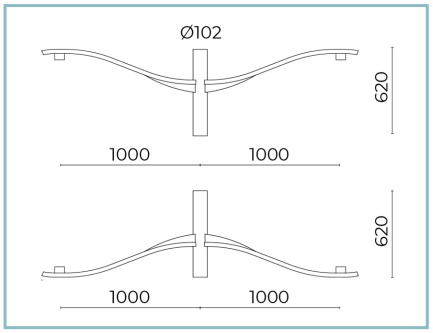
01KA901C0

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



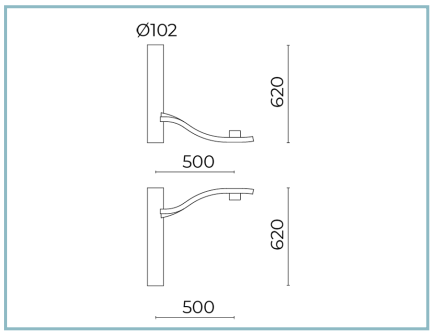
01KA902C0

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.



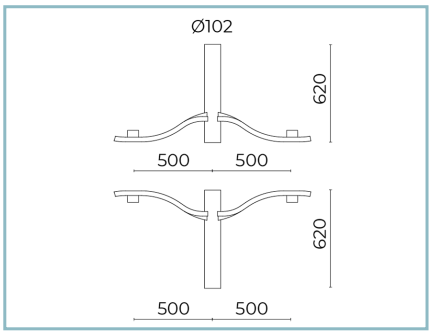
01KA903C0

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.



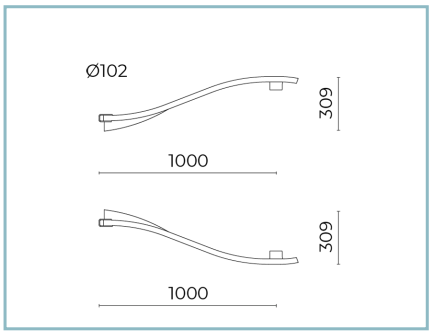
01KA904C0

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.



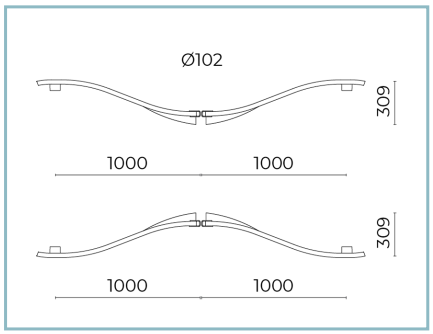
01KA905C0

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.



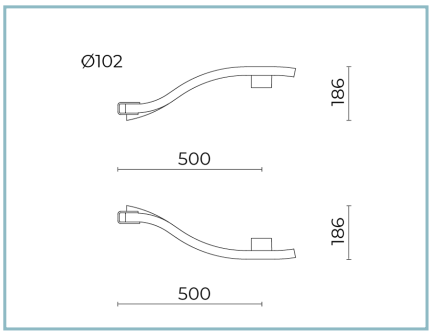
01KA906C0

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



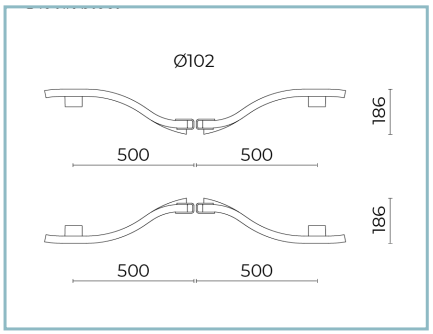
01KA907C0

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.



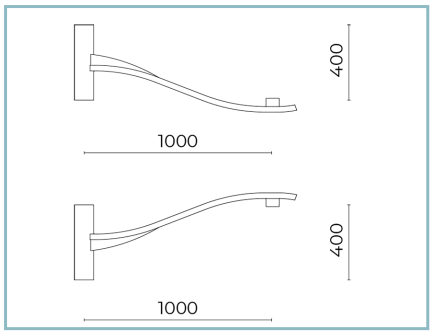
01KA909C0

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

Product Sheet
Rev. 25/03/2022

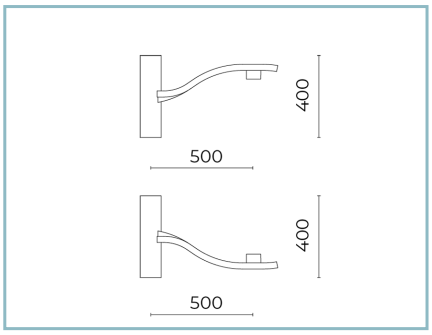
Kalos Pole Side
Options: 4 arms
Color Temperature: 4000 K
Type of optics: street F&B ST-01 + LA-01

01KA5C40076CHM3
Colour: Sablé 100 Noir



01KA910C0

B39-P Wall-mounted arm
L=1000 mm. UP / DOWN. Colour: Sablè 100 Noir.



01KA911C0

B45-P Wall-mounted arm
L=500 mm. UP / DOWN. Colour: Sablè 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.