

### General Features

Description: urban and public lighting luminaire

Insulation class: class II

Rated voltage: 230 V 50 Hz

Protection Grade: IP66

Impact protection: IK08

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: > 0.9

Ambient temperature Ta: -30°C +50°C

Weight: 11.00 kg

Max exposed surface: 0,25 m<sup>2</sup>

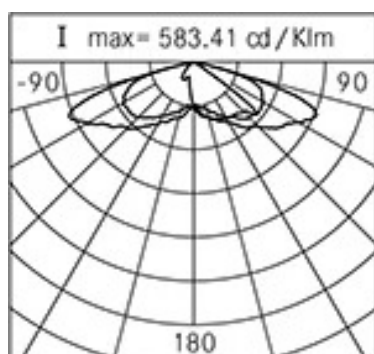
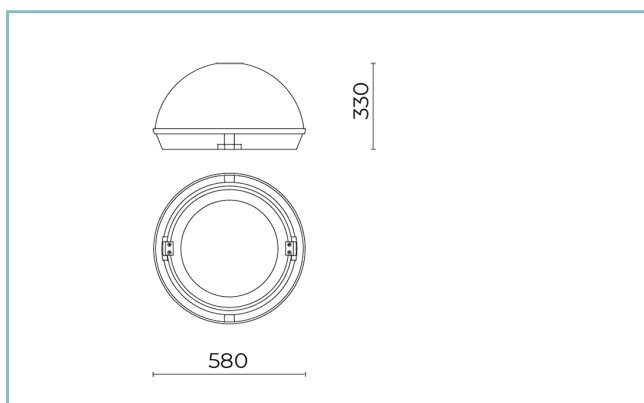
Lateral exposed surface: 0,14 m<sup>2</sup>

Common mode surge protection: 10 kV

Overtoltage protection differential mode: 10 kV

Drivers: included

Marks and Certifications: ENEC / CE



### Performance Data\*

LED Current:	700 mA	525 mA	350 mA
Source flow:	7665 lm	6095 lm	4325 lm
Source power:	48 W	35.5 W	23 W
Source efficiency:	160 lm/W	172 lm/W	188 lm/W
Device flow:	6590 lm	5240 lm	3720 lm
Device power:	52.5 W	39.5 W	26.5 W
Appliance efficiency:	126 lm/W	133 lm/W	140 lm/W
Glare Index Category:	D4	D5	D5

### Optical System

Source: LED R2

Color Temperature: 3000 K

Color Rendering Index (CRI):  $\geq 70$

Color Consistency (SDCM):  $\leq 4$

Type of optics: street asymmetrical LA-01

Optical group life: >130.000h @700mA @Ta25°C TM21  
L80B20 >130.000h @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

### Installation and maintenance

Installation: side pole / arm / wall

Pole diameter: Ø 48 - 60 - 76 - 114 mm (with accessories)

Tilt: fastened or adjustable installation

Fixing: 2 x AISI 304 stainless steel securing bolts

Wiring: junction box IP68; the connection to the electrical backbone can be made without having to open the device.

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Replaceable wiring plate: removable plate

Replaceable optical unit: each LED module is replaceable

Screen opening: glass holder frame opening, fall block

Disconnecter: automatic (with terminal section 2.5 mm<sup>2</sup>)

### 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

### Materials

Body: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%), upper dome with aluminium plate turning

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

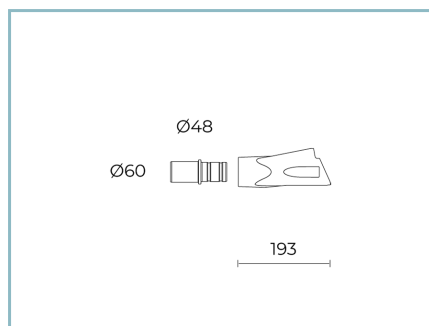
Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

### Colors

■ Sablé 100 Noir

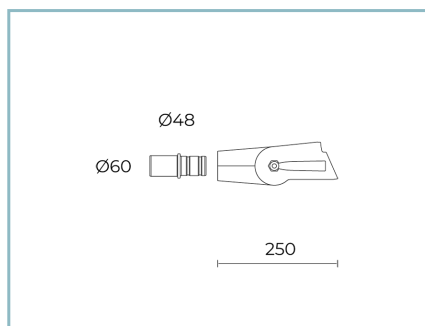
Code: **01BK3C40931CHM3**

## Complements



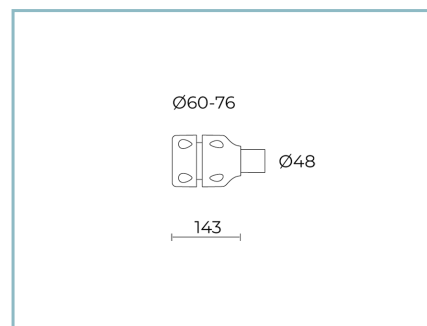
01AK901C0

L1 Fixed side kit  
for Ø 48-60 mm arm. Colour: Sablé 100  
Noir.



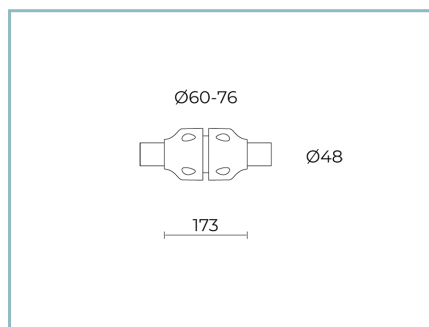
01AK902C0

L1 Adjustable side kit  
for Ø 48-60 mm pole or arm. Colour:  
Sablé 100 Noir.



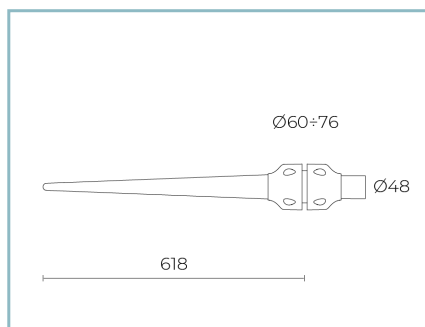
01AK903C0

L3 Joint kit  
for Ø 60-76 mm pole. Colour: Sablé 100  
Noir.



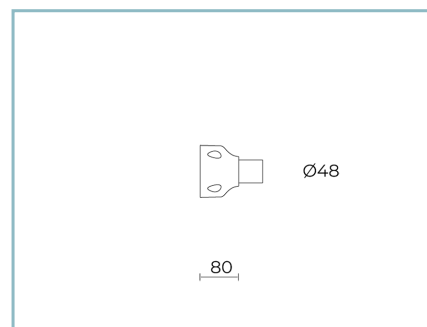
01AK904C0

L4 Double joint kit  
for Ø 60-76 mm pole. Colour: Sablé 100  
Noir.



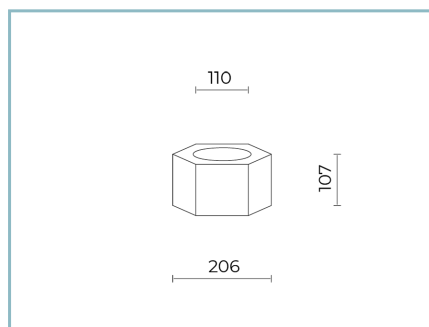
01AK905C0

L5 Joint with pointed rod kit  
for Ø 60-76 mm pole. Colour: Sablé 100  
Noir.



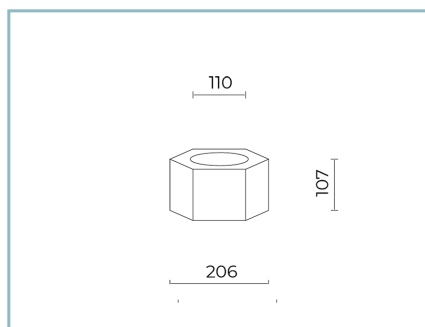
01AK906C0

P1 Wall-mounting kit  
Ø 60 mm side connector. Colour:  
Sablé 100 Noir.



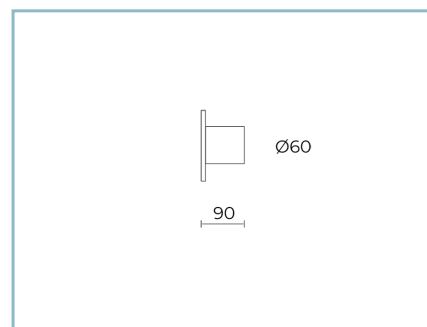
01SC904AD0

E1 Hexagonal connector kit  
1-2 180° couplings for a Ø 114 mm pole.  
Colour: Sablé 100 Noir.



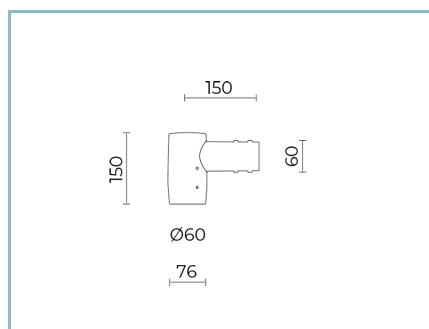
01SC905AD0

E2 Exagonal connector kit  
2-3 120° couplings for a Ø 114 mm pole.  
Colour: Sablé 100 Noir.



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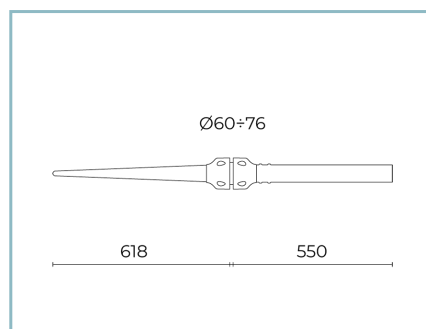
L8 Tubular connector kit Ø60mm  
for hexagonal connector for Ø 114 mm  
poles. Colour: Sablé 100 Noir.



06AK905C0

B153 Post top joint

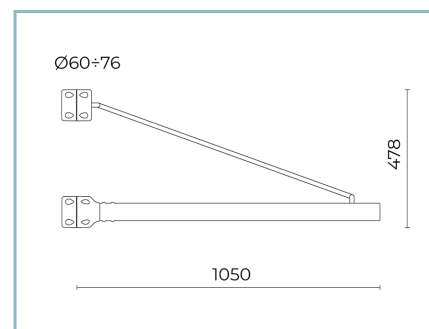
Ø 60 mm (h. 90 mm). Colour: Sablé 100 Noir.



01AK925C0

B5 Single tubular arm

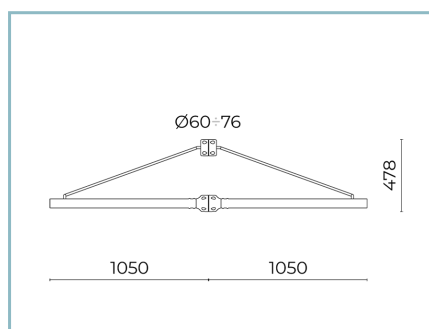
Ø 60 mm with tensioning rod for poles Ø 60-76 mm poles. L=1000 mm. Colour: Sablé 100 Noir.



01AK923C0

B3 Single tubular arm

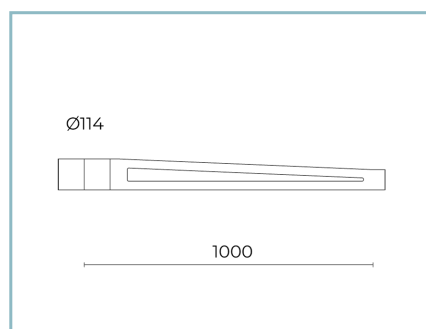
Ø 60 mm with tensioning rod for poles Ø 60-76 mm. L=1500 mm. Colour: Sablé 100 Noir.



01AK924C0

B4 Double tubular arm

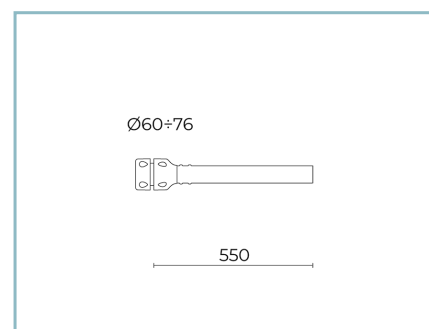
Ø 60 mm with tensioning rod for poles Ø 60-76 mm poles. L=1500 mm. Colour: Sablé 100 Noir.



01AK931C0

B11 Machined single arm

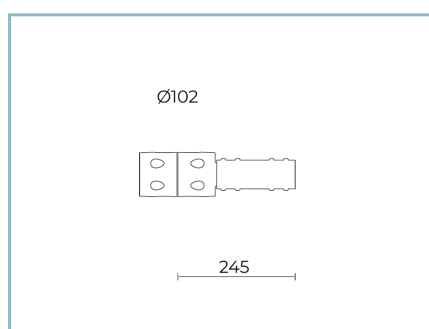
for poles Ø 114 mm. L=1000 mm. Colour: Sablé 100 Noir.



01AK921C0

B1 Single tubular arm

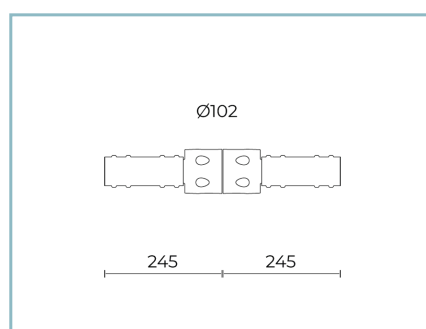
Ø 60 mm for poles Ø 60-76 mm. L=550 mm. Colour: Sablé 100 Noir.



06AK906C0

B154 Single arm

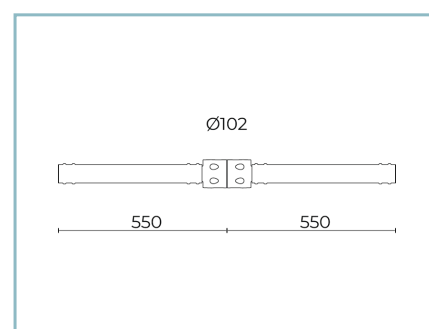
for poles Ø 102 mm. L=245 mm. Colour: Sablé 100 Noir.



06AK908C0

B156 Double arm

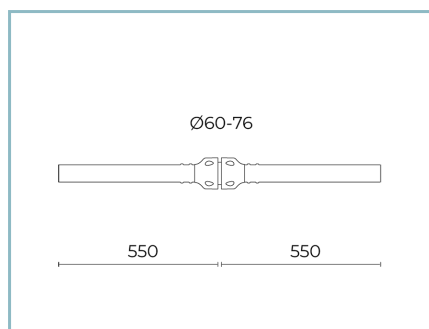
for poles Ø 102 mm. L=245 mm. Colour: Sablé 100 Noir.



06AK909C0

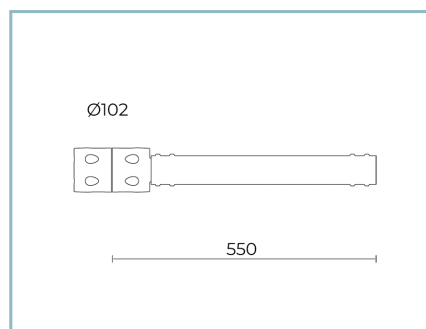
B157 Double arm

for poles Ø 102 mm. L=550 mm. Colour: Sablé 100 Noir.



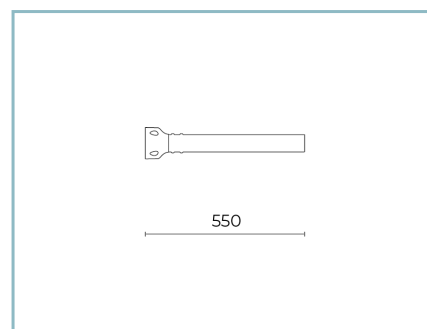
01AK922C0

B2 Double tubular arm  
Ø 60 mm for poles Ø 60-76 mm. L=550 mm. Colour: Sablé 100 Noir.



06AK907C0

B155 Single arm  
for poles Ø 102 mm. L=550 mm. Colour: Sablé 100 Noir.



01AK951C0

B1-P Tubular wall-mounted arm  
Ø 60 mm. L=550 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.