



### 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: 12 kg

Max exposed surface: 0.28 m<sup>2</sup>

Lateral exposed surface: 0.09 m<sup>2</sup>

Common mode surge protection: 10 kV

Overtoltage protection differential mode: 10 kV

Driver: included

Driver lifetime: >100.000h @700mA @Ta25°C \ <0,2% 1.000h

Marks and Certifications: ENEC / CE



### Performance Data\*

LED Current:	525 mA
Source flow:	5070 lm
Source power:	35.5 W
Source efficiency:	143 lm/W
Fitting flux:	4360 lm
Fitting power:	39.5 W
Fitting efficiency:	110 lm/W
Glare Index Category:	D5

### Optical System

Source: LED R2
Colour Temperature: 2200 K
Color Rendering Index (CRI): $\geq 70$
Chromatic consistency (SDCM): $\leq 4$
Type of optics: street asymmetrical ST-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 / EN61547 / EN62471, EN55015 /  
EN61000-3-2 / EN61000-3-3

### Installation and maintenance

Installation: arm suspension
Pole diameter: Ø 60 - 76 - 102 mm
Ø power cable: 10 ÷ 14 mm
Cable Gland: PG16
Replaceable wiring plate: removable plate
Replaceable optical unit: each LED module is replaceable
Screen opening: opening by clip, fall block
Disconnecter: automatic (with terminal section 2.5 mm <sup>2</sup> )
Power supply compartment: independent from the optical system

### Flux regulation

Standard On request

Virtual Midnight Teaching	X
Arrangement for Zhaga connector (Book 18)	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
Arrangement for motion / brightness sensors	X

### Materials

Body: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)
Screen: tempered flat glass
Lenses: high-transparency PMMA
Fitting 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

### Colours

 Sablé 100 Noir	Code: <b>01VO5C45130CHM4</b>
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## Complements



01AK907C0

L16 Male suspension kit  
1" 1/2 GAS. Colour: Sablé 100 Noir.



01AK914C0

L17 Male suspension kit  
3/4" GAS. Colour: Sablé 100 Noir.



01AK988C0

B212 Single arm  
for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK989C0

B213 Double arm  
for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK990C0

B214 Single arm  
for poles Ø 102 mm. Colour: Sablé 100 Noir.



01AK991C0

B215 Double arm  
for poles Ø 102 mm. Colour: Sablé 100 Noir.



01AK992C0

B216 Single arm  
for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK994C0

B217 Double arm  
for poles Ø 60-76 mm. Colour: Sablé 100 Noir.



01AK995C0

B218 Single arm  
for poles Ø 102 mm. Colour: Sablé 100 Noir.

## Product Sheet

Rev 12/10/2022

## Volta Arm Suspension

Size: medium

Colour Temperature: 2200 K

Type of optics: street asymmetrical ST-01

01VO5C45130CHM4

Colour: Sablé 100 Noir



01AK996C0

B219 Double arm  
for poles Ø102 mm. Colour: Sablé 100  
Noir.



01AK983C0

B207-P Suspension wall-mounted  
arm. Colour: Sablé 100 Noir.



01AK935C0

B15 Single curved arm  
Ø 60 mm for poles Ø 102 mm. L=810  
mm. Colour: Sablé 100 Noir.



01AK936C0

B16 Double curved arm  
Ø 60 mm for poles Ø 102 mm. L=810  
mm. Colour: Sablé 100 Noir.



01AK950C0

B15-P Curved wall-mounted arm  
Ø 60 mm. L=840 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.