



### 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: 8.2 kg

Max exposed surface: 0.19 m<sup>2</sup>

Lateral exposed surface: 0.07 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:	700 mA
Source flow:	4210 lm
Source power:	24 W
Source efficiency:	175 lm/W
Fitting flux:	3625 lm
Fitting power:	27 W
Fitting efficiency:	134 lm/W
Glare Index Category:	D5

### Optical System

Source: LED R1
Colour Temperature: 4000 K
Color Rendering Index (CRI): $\geq 70$
Chromatic consistency (SDCM): $\leq 4$
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 / EN61547 / EN62471, EN55015 / EN61000-3-2 / EN61000-3-3

### Installation and maintenance

Installation: side pole / arm / wall
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>01VO1B20032CHM4</b>
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## Complements



01VO901C0

L17 Fixed side kit  
for Ø48-60 mm arm. Colour: Sablé 100  
Noir.



01VO902C0

L16 Adjustable side kit  
for Ø60 mm pole or arm. Colour: Sablé  
100 Noir.



01VO904C0

B204 Joint kit  
for Ø60-76 mm pole. Colour: Sablé 100  
Noir.



01VO905C0

B205 Double joint kit  
for Ø60-76 mm pole. Colour: Sablé 100  
Noir.



06AK905C0

B153 Post top joint  
Ø 60 mm (h. 90 mm). Colour: Sablé 100  
Noir.



01AK984C0

B208 Single arm  
for poles Ø 60-76 mm. Colour: Sablé  
100 Noir.



01AK985C0

B209 Double arm  
for poles Ø 60-76 mm. Colour: Sablé  
100 Noir.



01AK986C0

B210 Single arm  
for poles Ø 102 mm. Colour: Sablé 100  
Noir.



01AK987C0

B211 Double arm  
for poles Ø102 mm. Colour: Sablé 100  
Noir.

**Product Sheet**

Rev 12/10/2022

**Volta Pole Side**

Size: small

Colour Temperature: 4000 K

Type of optics: street asymmetrical ME-01

**01VO1B20032CHM4**

Colour: Sablé 100 Noir

**01AK982C0**

B206-P Side wall-mounted arm.

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.

**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.