



General Features

Description:	LED luminaire
Insulation class:	class 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:	7.50 kg
Max exposed surface:	0,140 m ²
Lateral exposed surface:	0,063 m ²
Common mode surge protection:	10 kV
Overvoltage protection differential mode:	10 kV
Driver:	included
Driver lifetime:	>100.000 h @ Ta 25°C (0,2% / 1000h)
Marks and Certifications:	ENEC / CE

Performance Data*	ST-02_1800K	ST-02_2200K	ST-02_2700K	ST-02_3000K	ST-02_4000K
LED Current:	800 mA	800 mA	800 mA	800 mA	800 mA
Source flux:	7575 lm	8915 lm	9625 lm	9800 lm	10425 lm
Source power:	57.5 W	57.5 W	57.5 W	57.5 W	57.5 W
Source efficiency:	132 lm/W	155 lm/W	167 lm/W	170 lm/W	181 lm/W
Device flux:	6360 lm	7485 lm	8085 lm	8230 lm	8755 lm
Device power:	64.5 W	64.5 W	64.5 W	64.5 W	64.5 W
Appliance efficiency:	99 lm/W	116 lm/W	125 lm/W	128 lm/W	136 lm/W
Glare Index Category:	D3	D3	D3	D3	D3

Optical System

Source: LED R2

Color Temperature: ECL 1800K - 4000 K

Color Rendering Index (CRI): ≥ 70

Chromatic consistency (SDCM): ≤ 3

Type of optics: ST-02 Narrow street ECL

Optical group life: >100.000 h @ Ta 25°C L90B10

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Light intensity category: G*6

Normative References

EN60598-1 / EN60598-2-3 / EN62471 / EN61547

Installation and maintenance

Installation: post top / side pole / arm/ wall / covered walkway

Pole diameter: Ø 60 - 76 - 102 mm

Tilt: (ceiling) continuous adjustment -10° +190° (step 5°)

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Replaceable wiring plate: removable plate

Replaceable optical unit: LED disc replacement

Power supply compartment: independent from the optical system

Flow adjustment

On request

Virtual Midnight Teaching

X

Constant flow output (CLO)

X

DALI control

X

Mains voltage variation

X

Power line telemanagement (PLC)

X

Wireless remote management

X

Materials

Body: die-cast aluminium alloy UNI EN AB 47100 (copper content < 1%)

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

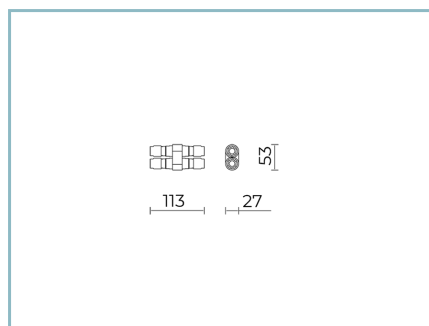
Finish: phospho-chromatation treated and polyester powder-coated in 16 phases to increase weather resistance

Colors

■ Sablé 100 Noir

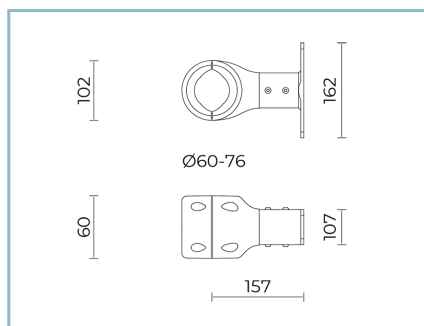
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Complements



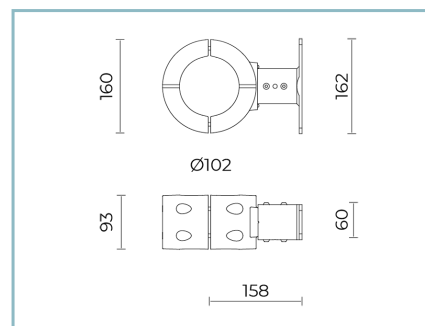
06KS909C0

B89 Connector 4 way IP68



06KS916C0

B78 Attachment kit for bracket-pole mounting Ø 60-76 mm. Colour: Sablé 100 Noir.



06KS917C0

B97 Attachment kit for bracket-pole mounting Ø 102 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.