

Project Num.

Date



#### General features

Description: LED fitting for lighting façades, streets, walkways and urban spaces

Insulation class: class II (class I on request)

Nominal voltage: 220-240 V 50/60 Hz

Protection level IP: IP66

Protection against impact: 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: 3.50 kg

Maximum exposed surface: 0.06 m<sup>2</sup>

Lateral exposed surface: 0.030 m<sup>2</sup>

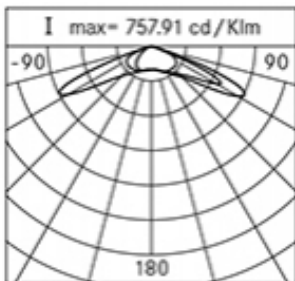
Common mode overvoltage protection: 10 kV

Differential mode overvoltage protection: 10 kV

Driver: included

Labels and Certifications: ENEC / CE

Warranty: 5 years for LED fittings



#### Performance Data\*

LED current:	700 mA
Flux source:	3800 lm
Power source:	24 W
Efficiency of source:	158 lm/W
Flux fitting:	3270 lm
Power fitting:	27,5 W
Efficiency of fitting:	119 lm/W
Dazzling index category:	D5

## Optical System

Source: LED R1

Colour temperature: 3000 K

Colour rendering index (CRI):  $\geq 70$  (Ra  $\geq 80$  on request)

Type of optics: asymmetrical LT-06

Optical unit lifetime: >160,000h @700mA @Ta25°C TM21 L80B20  
>160,000h @700mA @Ta25°C TM21 L80B10

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Luminous intensity category: G\*4

## Normative framework

EN605981 / EN60598-2-3 / EN62471 / EN61547

## Installation and maintenance

Installation: post top / side pole / arm / wall / string suspension

Poles diameter:  $\varnothing$  60 - 76 - 102 mm

Inclination: continuous / stepped adjustment  $-10^{\circ}$   $+190^{\circ}$  (step  $5^{\circ}$ );  
horizontal  $\pm 15^{\circ}$ , vertical  $0^{\circ}$   $\div$   $360^{\circ}$

$\varnothing$  power cable: 10  $\div$  14 mm

Cable gland: PG16

Wiring plate substitutability: removable plate

Optical unit substitutability: LED disc replacement

Power supply compartment: independent from the optical system

## Flux regulation

	Standard	On request
Self-learning virtual midnight	X	
Constant Light Output (CLO)	X	
1-10V Regulation		X
Main voltage variation	X	
Pilot line		X
DALI Regulation	X	
Remote control system (PLC) telemanagement		X
Wireless telemanagement		X
Motion / brightness detectors		X

## Materials

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

Screen: tempered flat glass

Diffusor: highly transparent polycarbonate

Lenses: PMMA high transparent

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

Seal: 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

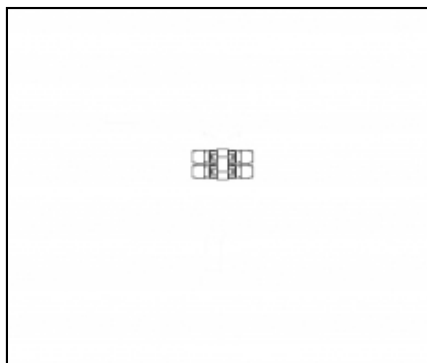
Cod. **06KS1B20937CHM4**

## Complements



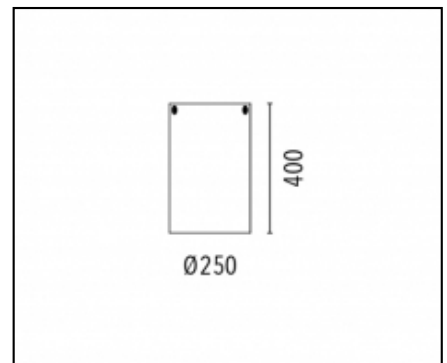
### 06KS902C0

B80 Suspension kit for string  $\varnothing$  6-12 mm.  
Colour: Sablé 100 Noir.



### 06KS909C0

B89 Connector 4 wai IP68



### 06ND901Y0

Diffuser Transparent polycarbonate

## NOTE

\*Performance Data

Values indicated in this technical sheet are to be considered nominal values with a tolerance of +/-7%.

Data of the lighting source flux and efficiency refer to the LED module, without lenses. In case you need data of the LED module complete with lenses, please multiply the mentioned data by 0.9 factor.

#### General Data

The features of the product listed above may be subjected to change without notice. They will have to be confirmed in case of order. In order to facilitate a constant updating of their products, Cariboni Group reserves the right to make changes without prior notice.