Product Sheet
Rev. 06/05/2024

Poli Post Top
Color Temperature: 2700 K
Type of optics: LA-03 Wide street

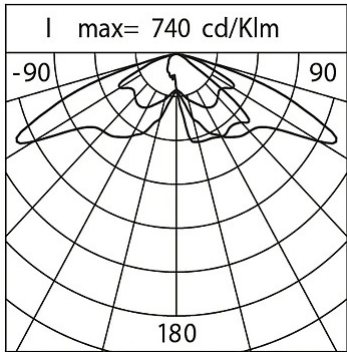01PLC454817CHM4
Colour: Sablé 100 Noir

General Features

Description: post top 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: 8.00 kg

Max exposed surface: 0,18 m²

Lateral exposed surface: 0,06 m²

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

Ø60

503

472

472

I   max= 740 cd/Klm

-90   90

180

Performance Data*

Source flux:	8500 lm
Source power:	49 W
Source efficiency:	173 lm/W
Device flux:	6760 lm
Device power:	53 W
Appliance efficiency:	128 lm/W
Glare Index Category:	D5

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Optical System

Source: LED R2

Color Temperature: 2700 K

Color Rendering Index (CRI): ≥ 70

Chromatic consistency (SDCM): ≤ 3

Type of optics: LA-03 Wide street

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

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Light intensity category: G*4

BUG rating: B1-U0-G1

Normative References

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

Installation and maintenance

Installation: post top

Pole diameter: Ø 60 mm (76 mm with accessory)

Wiring: the product is supplied with an outgoing cable (L = 200 mm) and a 2-pin plug and socket connector for a quick and easy installation.

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Cable gland: M20

Replaceable wiring plate: removable by unlocking grubscrews

Replaceable optical unit: removable by unlocking grubscrews

Screen opening: opening by means of tools

Power supply compartment: independent from the optical system

Flow adjustment — 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
Wireless remote management	X
Provision for motion/light sensors	X

Materials

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

Screen: tempered flat glass 5 mm

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: **01PLC454817CHM4**

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Complements

127

633

01PL900C0

B183 Decorative upper cover
Colour: Sablé 100 Noir.

127

633

01PL900U50

B 183 Decorative upper cover
Colour: GREEN YW354F

127

633

01PL900U60

B 183 Decorative upper cover
Colour: COPPER Y2304I

Ø60
120
275
110
Ø76-80
89

01AK980C0

B200 Pole adapter
Ø 76-80 mm top Ø60 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.

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