Product Sheet
Rev. 19/07/2024

Kairos Pole System
Size: small
Color Temperature: 3000 K
Type of optics: ST-02 Narrow street

01KR1B221914AHM4
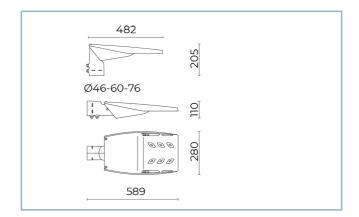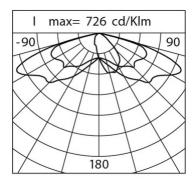Colour: Grey RAL9006

General Features

Description: LED street fixture

Insulation class: class II

Rated voltage: 220-240 V 50/60 Hz

Protection Grade: IP66

Impact protection: IK08

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: > 0.9

Ambient temperature Ta: -30°C +50°C

Weight: 6.50 kg

Max exposed surface: 0,13 m²

Lateral exposed surface: 0,036 m²

Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

Driver lifetime: >100.000h @Ta25°C

Marks and Certifications: ENEC / CE

I max= 726 cd/Klm

Performance Data*

Source flux:	1940 lm
Source power:	9 W
Source efficiency:	216 lm/W
Device flux:	1670 lm
Device power:	12 W
Appliance efficiency:	139 lm/W
Glare Index Category:	D5

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Optical System

Source: LED R1

Color Temperature: 3000 K

Color Rendering Index (CRI): ≥ 70

Chromatic consistency (SDCM): ≤ 3

Type of optics: ST-02 Narrow street

Optical group life: >100.000h @Ta25°C L90B10

Photobiological safety class: EXEMPT GROUP

ULOR: 0%

DLOR: 100%

Light intensity category: G*3

BUG rating: B1-U0-G0

Normative References

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

Installation and maintenance

Installation: side pole / arm

Pole diameter: Ø 46 - 60 - 76 mm

Tilt: post top 0 +20° (step 5°); arm 0 -20° (step 5°)

Fixing: 2 x AISI 304 stainless steel securing bolts

Ø power cable: 10 ÷ 14 mm

Cable Gland: PG16

Replaceable wiring plate: removable by unlocking grubscrews

Replaceable optical unit: each LED module is replaceable

Power supply compartment: independent from the optical group

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
Power line telemanagement (PLC)	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 4 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

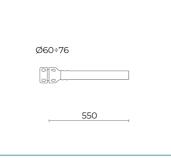## Colors

Grey RAL9006   Code: **01KR1B221914AHM4**

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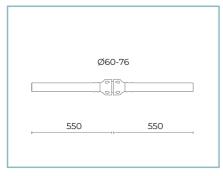Colour: Grey RAL9006

Complements

06GN902K0

Wall-mounted plate
with a 90° inclination for fixtures with
Ø 60 mm fastening part. Colour: grey
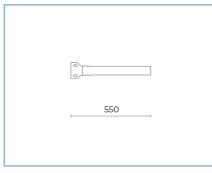RAL9006.

01AK921A0

B1 Single tubular arm
Ø 60 mm for poles Ø 60-76 mm. L=550
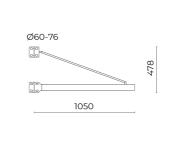mm. Colour: grey RAL9006.

01AK922A0

B2 Double tubular arm
Ø 60 mm for poles Ø 60-76 mm. L=550
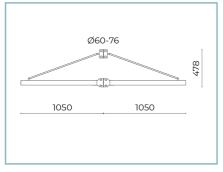mm. Colour: grey RAL9006.

01AK951A0

B1-P Tubular wall-mounted arm
Ø 60 mm. L=550 mm. Colour: grey
RAL9006.

01AK969A0

B74 Single tubular arm
Ø 60 mm with tensioning rod for
poles Ø 60-76 mm. L=1050 mm (pole
center-fitting center). Colour: grey
RAL9006.

01AK968A0

B59 Double tubular arm
Ø 60 mm with tensioning rod for
poles Ø 60-76 mm. L=1050 mm (pole
center-fitting center). Colour: grey
RAL9006.

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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