Size: medium Color Temperature: 3000 K Type of optics: MB-01 Wet road



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: 11.00 kg

Max exposed surface: 0,24 m<sup>2</sup>

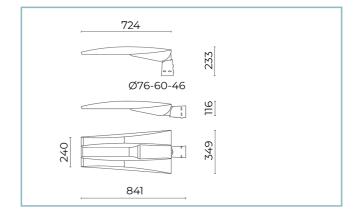
Lateral exposed surface: 0,059 m<sup>2</sup>

Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

Marks and Certifications: ENEC / ENEC+ / CE



# I max= 706.77 cd / Klm 90 180

#### Performance Data\*

LED Current:	700 mA
Source flux:	18940 lm
Source power:	119.5 W
Source efficiency:	158 lm/W
Device flux:	16290 lm
Device power:	128.5 W
Appliance efficiency:	127 lm/W
Glare Index Category:	D4



Product Sheet

Rev. 29/07/2024

#### Kai Pole System

Size: medium Color Temperature: 3000 K Type of optics: MB-01 Wet road 01KI2G00940AHM4

Colour: Grey RAL9006

Optical System
Source: LED R5
Color Temperature: 3000 K
Color Rendering Index (CRI): ≥ 70
Chromatic consistency (SDCM): ≤ 4
Type of optics: MB-01 Wet road
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*4

## BUG rating: B3-U0-G2 Normative References

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

#### Installation and maintenance

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: tool less
Replaceable optical unit: tool less

Power supply compartment: independent from the optical group

Disconnector: automatic (with terminal section 2.5 mm²)

Flow adjustment	On request
Virtual Midnight Teaching	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: self-extinguishable technopolymer VO

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

#### Colors

■ Grey RAL9006 Code: **01Kl2G00940AHM4** 



#### Kai Pole System

Size: medium Color Temperature: 3000 K Type of optics: MB-01 Wet road

#### 01KI2G00940AHM4

Colour: Grey RAL9006

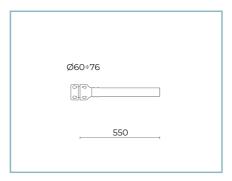
#### Complements



#### 06GN902K0

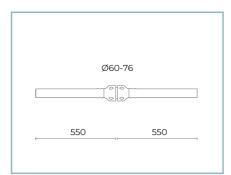
RAL9006.

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



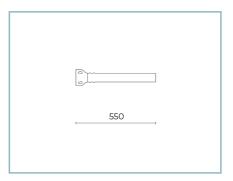
#### 01AK921A0

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



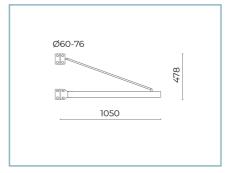
#### 01AK922A0

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



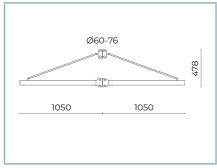
#### 01AK951A0

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.

