Size: medium Color Temperature: 4000 K Type of optics: MB-01 Wet road



Colour: Grey RAL9006



### Description: LED street fixture Insulation class: class II

**General Features** 

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>

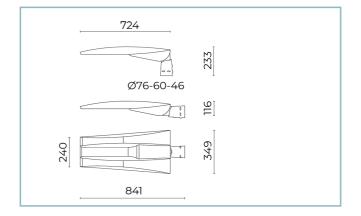
Lateral exposed surface: 0,059 m<sup>2</sup>

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:	525 mA
Source flux:	19335 lm
Source power:	106 W
Source efficiency:	182 lm/W
Device flux:	16630 lm
Device power:	114.5 W
Appliance efficiency:	145 lm/W
Glare Index Category:	D4



Product Sheet Rev. 29/07/2024 Kai Pole System

Size: medium Color Temperature: 4000 K Type of optics: MB-01 Wet road 01KI2H25040AHM4

Colour: Grey RAL9006

# Optical System Source: LED R6 Color Temperature: 4000 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: 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

Disconnector: automatic (with terminal section 2.5 mm²)

Power supply compartment: independent from the optical group

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	Х

#### **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

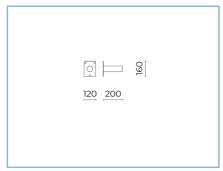
#### Colors

Grey RAL9006 Code: <b>01KI2H25040AHM4</b>
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Colour: Grey RAL9006

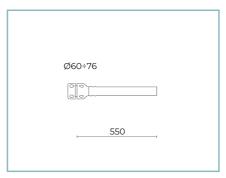
#### **Complements**



#### 06GN902K0

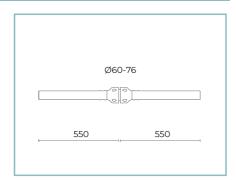
#### Wall-mounted plate

with a 90° inclination for fixtures with  $\emptyset$  60 mm fastening part. Colour: grey RAL9006.



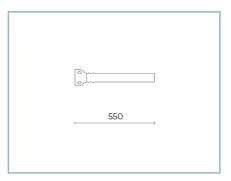
#### 01AK921A0

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



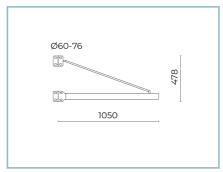
#### 01AK922A0

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.

