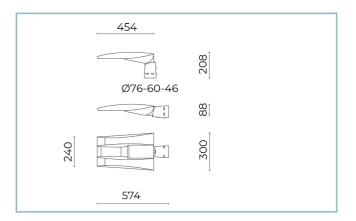
**Kai Pole System** Size: small Color Temperature: 3000 K Type of optics: ST-01 Narrow street



# **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 m <sup>2</sup>
Lateral exposed surface: 0,036 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= 613.84 cd/Klm -90 90 180

#### Performance Data\*

LED Current:	700 mA
Source flux:	7765 lm
Source power:	48 W
Source efficiency:	162 lm/W
Device flux:	6680 lm
Device power:	52.5 W
Appliance efficiency:	127 lm/W
Glare Index Category:	D4



Kai Pole System Size: small Color Temperature: 3000 K Type of optics: ST-01 Narrow street

# **Optical System**

Source: LED R2	
Color Temperature: 3000 K	
Color Rendering Index (CRI): ≥ 70	
Chromatic consistency (SDCM): ≤ 4	
Type of optics: ST-01 Narrow street	
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*3	
BUG rating: B2-U0-G1	
Normative References	
EN60598-1 / EN60598-2-3 / EN62471 / EN61547	
Installation and maintenance	
Installation: side pole / arm	
Pole diameter: Ø 46 - 60 - 76 mm	
Pole diameter: Ø 46 - 60 - 76 mm	
Pole diameter: Ø 46 - 60 - 76 mm Tilt: post top 0 +20° (step 5°); arm 0 -20° (step 5°)	
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	
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	

Replaceable optical unit: tool less

Disconnector: automatic (with terminal section 2.5 mm<sup>2</sup>)

Power supply compartment: independent from the

optical group

Flow adjustment	On request
Virtual Midnight Teaching	Х
Constant flow output (CLO)	Х
Adjusting 1-10V	Х
DALI control	Х
Mains voltage variation	Х
Power line telemanagement (PLC)	Х
Wireless remote management	Х
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: 01KI1C40930AHM4

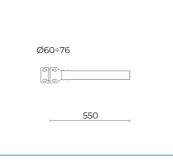


Kai Pole System Size: small Color Temperature: 3000 K Type of optics: ST-01 Narrow street

## Complements

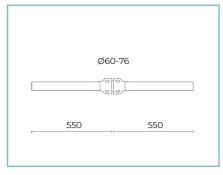


Wall-mounted plate with a 90° inclination for fixtures with Ø 60 mm fastening part. Colour: grey RAL9006.



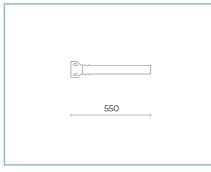
### 01AK921A0

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



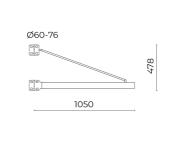
# 01AK922A0

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



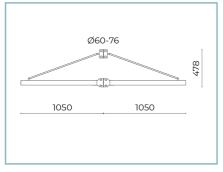
#### 01AK951A0

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.

