



### General Features

Description: LED luminaire for lighting streets and paths

Insulation class: class II

Rated voltage: 220-240 V / 50-60 Hz

Protection Grade: IP66

Impact protection: IK09

Surge protection device: integrated 10kV-10kA

Power Factor: > 0.95

Ambient temperature Ta: -30°C +50°C

Weight: 9.2 kg

Max exposed surface: 0.23 m<sup>2</sup>

Lateral exposed surface: 0.074 m<sup>2</sup>

Common mode surge protection: 10 kV

Overvoltage protection differential mode: 10 kV

Driver: included

Driver lifetime: F10 >100.000h @Ta25°C

Marks and Certifications: ENEC / CE



### Performance Data\*

|                       |          |
|-----------------------|----------|
| LED Current:          | 900 mA   |
| Source flux:          | 23985 lm |
| Source power:         | 123 W    |
| Source efficiency:    | 195 lm/W |
| Device flux:          | 20035 lm |
| Device power:         | 131 W    |
| Appliance efficiency: | 153 lm/W |
| Glare Index Category: | D3       |

### Optical System

|   |
|---|
| Source: LED R4                                  |
| Color Temperature: 3000 K                       |
| Color Rendering Index (CRI): 70                 |
| Chromatic consistency (SDCM): ≤ 3               |
| Type of optics: ME-05 Medium street             |
| Optical group life: >100.000 h @ Ta 25°C L90B10 |
| Photobiological safety class: EXEMPT GROUP      |
| ULOR: 0   |
| DLOR: 1   |
| Light intensity category: G*3                   |
| BUG rating: B2-U0-G2                            |

### Normative References

EN60598-1, EN60598-2-3, EN61547; EN62471, EN55015, EN61000-3-2, EN61000-3-3

### Installation and maintenance

|  |
|--|
| Installation: post top / post top side                       |
| Pole diameter: Ø46 - Ø 60 mm                                 |
| Ø power cable: 10 ÷ 14 mm                                    |
| Cable Gland: PG16  |
| Screen opening: Yes  |
| Power supply compartment: independent from the optical group |

### Flow adjustment

|   | Standard | 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          |
| Pilot line                                |          | X          |
| Power line telemanagement (PLC)           |          | X          |
| Wireless remote management                |          | X          |
| Emergency lighting                        |          | X          |
| Provision for motion/light sensors        |          | X          |

### Materials

|  |
|--|
| Body: aluminum alloy die casting UNI EN AB 47100 (copper content < 1%)                                     |
| Screen: technopolymer  |
| Lenses: PMMA with high transparency  |
| Seals: anti-aging silicone   |
| Screws: stainless steel  |
| Finish: phosphochromating and polyester powder coating made in 16 steps for the best weathering resistance |

### Colors

|                |                                      |
|----------------|--------------------------------------|
| ■ Grey RAL9006 | Code:<br><b>KY2E89AA790182AAM400</b> |
|----------------|--------------------------------------|

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**Product Sheet**

31.01.25

**Kyros pole system**

Size: medium

Color Temperature: 3000 K

Type of optics: ME-05 Medium street

**KY2E89AA790182AAM400**Colour: Grey RAL9006

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**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.