

Veka L



KEY ADVANTAGES

- Integrative aesthetics with any urban space.
- Up to 146 lm/W.
- Up to 7 optical distributions.
- Robust: IP66 + IK10.
- Lifespan L90B10 100.000h Ta of 25°C.
- Smart Ready: Designed to host both communications node interiors and exteriors.
- Complies with the Zhaga standard.
- Access to the equipment without tools.

LED Eprotec



IP66



IK10



CI



CII



RAL 9006
Smooth Brilliant (906B)



2200K
CRI>70



2700K
CRI>70



3000K
CRI>70



4000K
CRI>70

220 - 240V / 120V - 277V
50-60Hz
L90B10 100.000h
Ta 25°C

DESCRIPTION

Veka is the new family of luminaires for street lighting applications of Carandini. Its elegant aesthetics, the latest technology LED technology and the optical distributions that it incorporates make it a high quality solution for urban roads, main or secondary roads, highways and highways and parking lots.



4.500lm ~38.300lm



PT: 0,06m²
SE: 0,06m²



146lm /W
Luminary



-40°C - +55°C



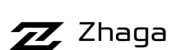
15 Kg



0,00% - 0,35%



Access to
equipment without
tools



STANDARD COMPLIANCE

- CE
- RoHS
- UNE-EN 60598-1
- UNE-EN 60598-2-3 o 60598-2-5
- UNE-EN 62471:2009
- UNE-EN 60598
- UNE-EN 61000-3-2
- UNE-EN 61000-3-3
- UNE-EN 55015
- UNE-EN 61547
- UNE-EN 62031
- UNE-EN 61347-2-13
- UNE-EN 62384
- UNE-EN 13032-4
- UNE-EN ISO 9227 NSS: 2017 (1000h)

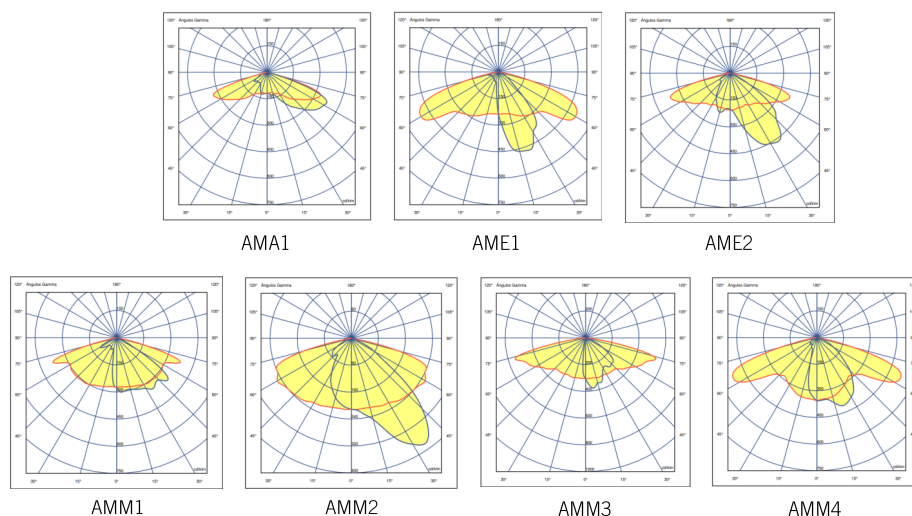
LOGISTICS INFORMATION

- Gross weight: 15,5 Kg
- Units per box: 1 unit

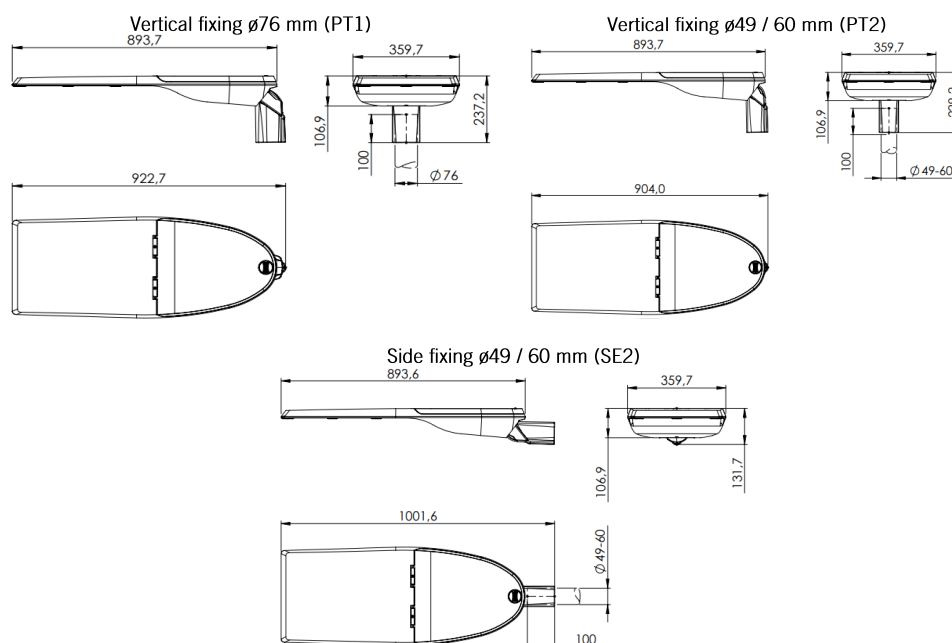
Measurements carried out in an ISO 17025 accredited laboratory.
Meets the minimum requirements CEI - IDAE.

PHOTOMETRIC DISTRIBUTIONS

It has 7 photometric distributions used for the environments in which this type of luminaire is installed, it can be adapted to all needs:



DIMENSIONS



APPLICATIONS

Public roads, main or secondary roads, highways and highways and parking lots.



CHARACTERISTICS VEKA L



GENERAL CHARACTERISTICS

| | |
|-------------------------|---|
| Armor and coupling | Aluminum injected at high pressure EN AC-44100 with low copper content <0.1% (AISI304). It incorporates molded silicone gasket housed in the perimeter channel. |
| Finish | Armor and coupling of powder paint gray RAL 9006 Smooth glossy (906B). |
| Clousure | Tempered flat glass 5mm thick. |
| Nuts outer and bolts | Stainless steel (AISI304). |
| Watertightness | IP66 (EN 60529) |
| Impact protection grade | IK10 (EN 62262) |
| Operating temperature | Ta -40°C a +55°C According to luminaire configuration. |
| Lifespan | L90B10 100,000h at Ta of 25°C. Light maintenance assessments to TM-21 based on LM-80 data. |

ELECTRICAL CHARACTERISTICS

| | |
|---------------------|--|
| Electrical class | Class I o Class II |
| Voltage / Frequency | 220V - 240V / 50Hz - 60Hz Optional 120V - 277V |
| Power factor | > 0,9 |
| Harmonic distortion | < 20% |
| Surge protector | Surge protection (1.2 / 50) 10 kV. Maximum current (8/20) 10kA. Maximum voltage (L-N) 320 V. Maximum voltage (L / N-GND) 400 V. |

MAINTENANCE AND ASSEMBLY

| | |
|------------------------------|---|
| Installation and maintenance | Opening system of the luminaire without tools designed by Carandini. Access to the driver from the top. |
| Fixation | PT1=> Vertical fixing with diameter of 76mm column coupling. PT2=> Vertical fixing with diameter of 49/60mm column coupling. SE2=> Lateral fixation with column coupling diameter of 49 / 60mm. |
| Mechanical regulation | The vertical and lateral fixings have a degree of inclination of + -10° every 2.5°. The wall fixing fork offers a tilt range of + -40° every 2.5°. You can see the angle of inclination on the outside as it is marked on the coupling. |
| Weight with equipment | PT1: 15,2 Kg / PT2: 15 Kg SE2: 15 Kg |
| Wind area | PT: 0,06m² SE: 0,06m² |
| Pressure compensation valve | Increases the life of the system components and ensures a degree of tightness during the life of the luminaire. |

LIGHT CHARACTERISTICS

| | |
|---------------------------------------|---|
| Package real light | 4.500 lm up to 38.300 lm (42- 285W) |
| LED color temperature | 4,000K (Neutral White, nw). 3,000K (Warm White, ww). 2,700K (Warm White, ww). 2,200K (Warm White, ww). Optionally amber color temperature. |
| Index of reproduction chromatic (CRI) | CRI>70. Other CRI, consult. |
| LEDs | Incorporate from 64, 80, 96, 128 and 160 LED. |
| F.H.S | Between 0,00% and 0,35% |
| Optics | PMMA polymethylmethacrylate. |
| Photometric distributions | AMA1 => Throw 70° Spread 65° (Type IV) AME1 => Throw 65° Spread 15° (Type I) AME2 => Throw 70° Spread 35° (Type II) AMM1 => Throw 70° Spread 35°/50° (Type III) AMM2 => Throw 60° Spread 35° (Type II) AMM3 => Throw 75° Spread 5°/20° (Type III) AMM4 => Throw 65° Spread 20° (Type II) |
| LED thermal control | Thermal control by the 3 principles of heat transfer: conduction, convection and radiation that help to achieve long LED and driver lives. |

MANAGEMENT AND CONTROL

| | |
|-----------------------|--|
| Equipment | 1N: LED 1 level. RC: Adjustable LED in header. AF: Dimmable LED 1-10V. RD: Dimmable LED Dali Protocol. RL: Adjustable LED in header (pulses). 2N: Dual level dimmable LED. SR: Adjustable LED Sensor Ready. |
| Autonomous regulation | Regulations programmed from the factory: 56: 50% of the 24: 00h at 6: 00h. 66: 60% of the 24: 00h at 6: 00h. 76: 70% of the 24: 00h at 6: 00h. SC: Programming according to client. |
| CLO regulation | Flow rate during the life of the product: 7: 70% luminous flux throughout the life of the luminaire. 8: 80% luminous flux throughout the life of the luminaire. 9: 90% luminous flux throughout the life of the luminaire. |
| Socket | U: NEMA Socket 3 pin with cover IP65 V: NEMA Socket 5 pin with cover IP65 W: NEMA Socket 7 pin with cover IP65 X: Zhaga Socket 4 pin with cover IP66 |
| Photocells | 1: Photocell for NEMA 3, 5 and 7 pin base (20 lux) 2: Photocell for upper Zhaga base (20 lux) |
| Nodo | ON: Controlux One BS: Controlux Basic |

NOTE: Correct data on the date of printing. The company reserves the right to change the value at any time.

ACCESSORIES

Presence sensor C.SENS



VEKA L PHOTOS

