

# Veka M



## KEY ADVANTAGES

- Integrative aesthetics with any urban space.
- Up to 150 lmW.
- 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.



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.



2.300lm - 20.100lm



PT: 0,04m<sup>2</sup>  
SE: 0,04m<sup>2</sup>



150lm /W  
Luminary



-40°C - +55°C



9 Kg



0,00% - 0,35%



Access to  
equipment without  
tools



Zhaga

## 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)

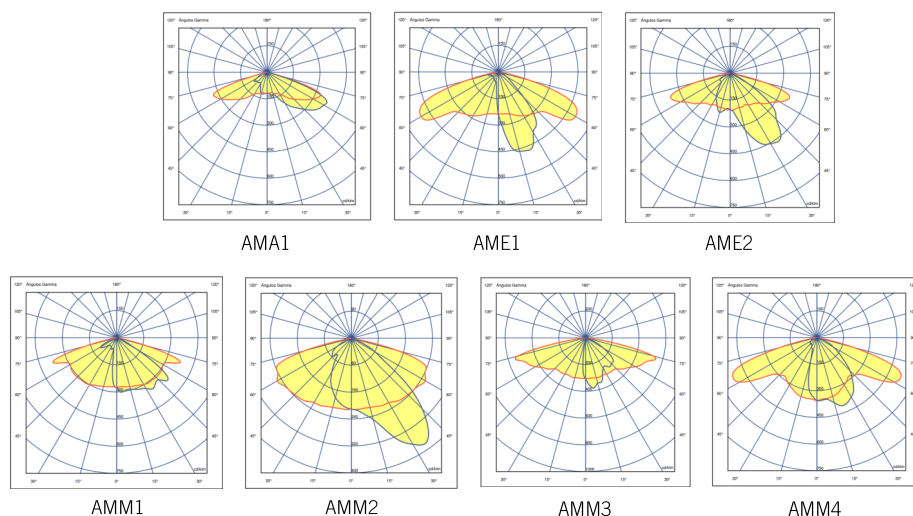
## LOGISTICS INFORMATION

- Gross weight: 9,5 Kg
- Units per box: 1 unit

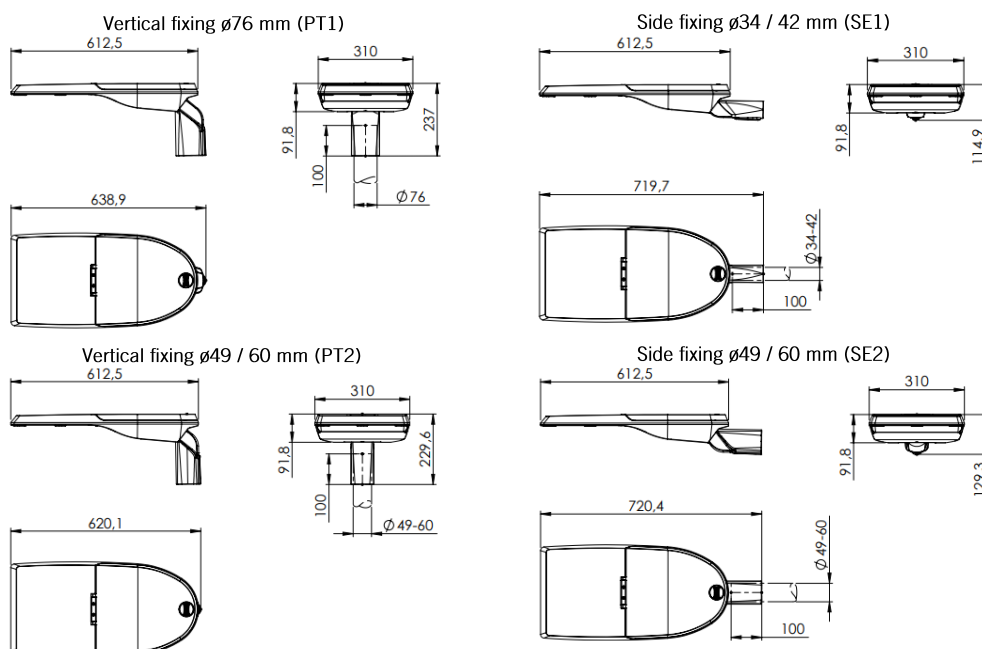
Measurements carried out in an ISO 17025 accredited laboratory.  
Meets the minimum requirements CEI - IDAE.

## 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 M



### 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).
Closure	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. SE1=> Lateral fixation with 34 / 42mm column coupling diameter. 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: 9,2 Kg / PT2: 9 Kg SE1: 8,7 Kg / SE2: 9 Kg
Wind area	PT: 0,04m <sup>2</sup> SE: 0,04m <sup>2</sup>
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	2.300 lm up to 20.100 lm (21 - 161W)
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 32, 48 and 64 LEDs.
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 Y: Zhaga Socket at the bottom of the luminaire with IP65 cover. Q: Zhaga Socket at the bottom and top of the luminaire with IP65 cover.
Photocells	1: Photocell for NEMA 3, 5 and 7 pin base (20 lux) 2: Photocell for upper Zhaga base (20 lux) 3: Motion sensor for lower Zhaga base. 4: Photocell for upper Zhaga base (20 lux) and motion sensor for lower Zhaga base.
Nodo	Controlux One 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 M PHOTOS

