

Zenit

GEN 2



KEY BENEFITS

- Off-grid energy self-sufficiency.
- Zero energy cost. Antivandal design.
- Zero emissions to the atmosphere.
- Customized needs assessment.
- High resistance to corrosion.
- Time-saving in construction, no need for trenches.
- Quick installation.
- Maximum reliability and quality at a competitive price.
- Adjustable.
- Height: 4 to 9 meters.
- 3-5 years warranty.

DESCRIPTION

The Zenit solar solution is an innovative light point powered by 100% renewable energy. It consists of a high-efficiency monocrystalline panel and a long-life battery with over 4,000 charge cycles. It is paired with our best-selling Veka road and environmental solution, available in sizes N and S. Carandini aims to contribute to sustainable development by using renewable energies and new adjustable lighting sources with high energy efficiency.



IP66



IK10

VEKA N and S LUMINAIRE



IP66



IK10



RAL 9006
Smooth Glossy
(906B)



CIII



Marine finish
on request

Zhaga



2200K
CRI>70



2700K
CRI>70



3000K
CRI>70



4000K
CRI>70

DESCRIPTION

Veka is Carandini's new family of luminaires for public lighting applications. Its elegant design, state-of-the-art LED technology, and integrated optical distributions make it a high-quality solution for urban roads, secondary highways, residential streets, parking lots, and bike lanes



Veka N



Veka S



Veka N
3.000lm - 9.050lm



Veka S
11.000lm - 14.000lm



Veka N
162lm/W
Luminaire



Veka S
163lm/W
Luminaire



Veka N
5,3 Kg



Veka S
6 Kg



0,0% -FHS/ULR



-20°C - +55°C



VKA S: 0,034m²
VKA N: 0,033m²

FURTHER INFORMATION

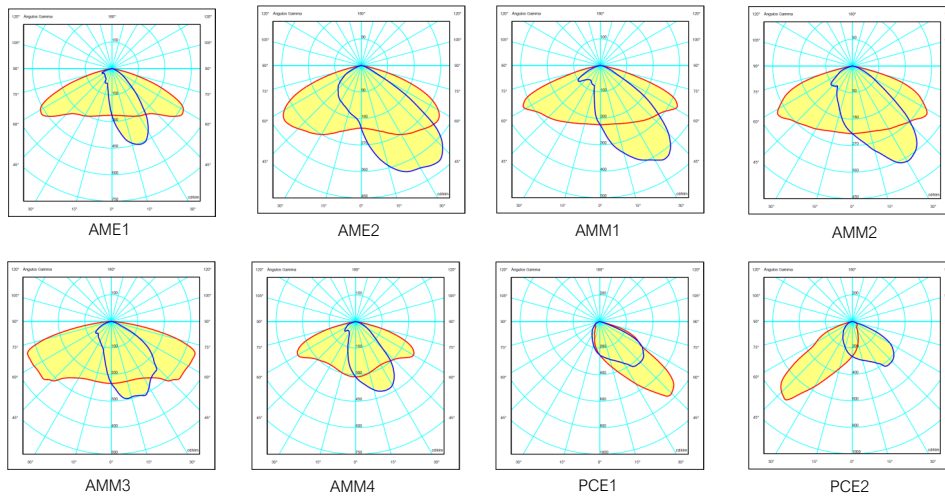
Configurator, data sheet, photometric and dimensional data :

Distributor: EPK elektro s.r.o.

info@carandini.cz - www.carandini.cz

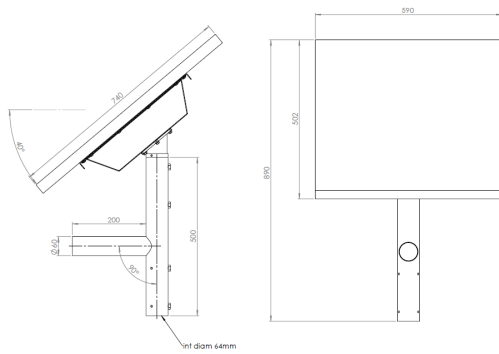
PHOTOMETRIC DISTRIBUTIONS

It has the 8 photometric distributions used for the environments in which this type of luminaire is installed, allows it to adapt to all needs:

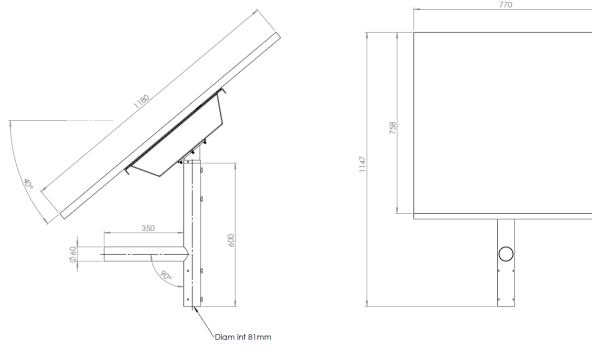


DIMENSIONS

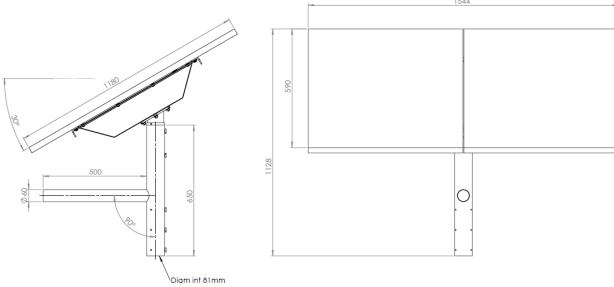
Zenit Panel 80 Wp



Zenit Panel 170 Wp

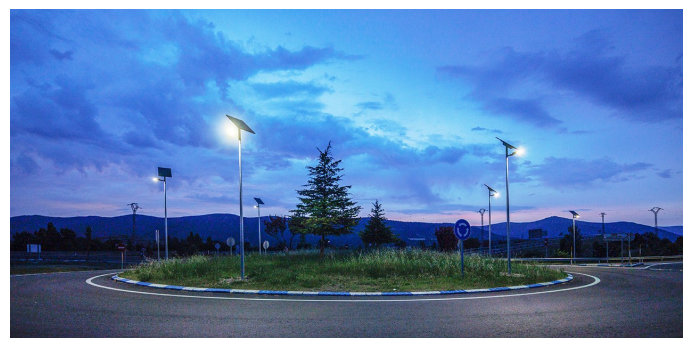


Zenit Panel 340 Wp



APPLICATIONS

Rural roads, Cemeteries, Residential and pedestrian areas, Landscaped Areas, Greenway and bike Lane, Seafront Promenade, Playgrounds, Isolated Areas



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ZENIT CHARACTERISTICS

PHOTOVOLTAIC PANEL

Panel type	Monocrystalline
Power	80, 170, 340 Wp.
Lifetime	More than 25 years
Watertightness	IP66 (EN 60598-1 and EN 60529)
Impact protection grade	IK08 (EN 62262)

BATTERY

Type	Lithium (LiFePO4)
Capacity	230, 460, 640, 920, 1230, 1840 Wh
Maximum depth of discharge	90%.
Autonomy	Carandini guarantees autonomy for each project by supplying the calculation of consumption and solar contributions.

POLE

Height	4 - 9 metres. Other pole heights on request.
Material	Hot-dip galvanised steel.
Corrosion resistance	> 15 years.
Additional protection Optional	Polyester paint.
Optional treatment	Anti-graffiti protection.
Wind resistance	140 Km/h.

MANAGEMENT AND CONTROL

Controller	Regulation curve: to be studied according to project and needs.
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WEIGHTS AND WIND SURFACE (Panel + battery + pole support)

80Wp + 230Wh	17kg - 0,24m ² (40°)
80Wp + 460Wh	20kg - 0,24m ² (40°)
170Wp + 640Wh	26kg - 0,59m ² (40°)
170Wp + 920Wh	28kg - 0,59m ² (40°)
170Wp + 1230Wh	30kg - 0,59m ² (40°)
340Wp + 920Wh	43kg - 0,92m ² (30°)
340Wp + 1230Wh	47kg - 0,92m ² (30°)
340Wp + 1840Wh	52kg - 0,92m ² (30°)



STANDARD COMPLIANCE

Pole: <ul style="list-style-type: none"> • CE • EN 40-5:2002 • EN 40-5:2003 	Photovoltaic panel: <ul style="list-style-type: none"> • CE EN 61215-1 • CE EN 61730-1 	Controller <ul style="list-style-type: none"> • EN 6100-6-4-A1:2011 • EN IEC 6100-6-2:2019 • EN 6100-3-2:2014 • EN 6100-3-3:2013 	Battery: <ul style="list-style-type: none"> • IEC 62133-2 • CB 62133 	Luminaire: <ul style="list-style-type: none"> • UNE-EN IEC 55015:2020 • UNE-EN 61547:2011 • UNE-EN 6100-4-2:2010 • UNE-EN 6100-4-3:2007 • UNE-EN 62493:2015
Galvanised: <ul style="list-style-type: none"> • UNE-EN 10025-1:2006 • UNE-EN ISO 1461:2010 				

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