

# SS9P-8C-2AG

## SOLAR LED STREET LIGHT

THE USE OF THE POWER OF THE SUN IS A GREAT CHALLENGE. THE AUTONOMOUS LIGHTS OF THE SS FAMILY PROVIDE YOU WITH THIS FACILITY.

YOU MAY USE **SS9P-8C-2AG** FOR LIGHTING DIFFERENT PUBLIC AND PRIVATE SITES, PARKINGS, PARKS, QUAYS, AREAS BETWEEN BUILDINGS – FREE OF TAKING CARE ABOUT THEIR MAINTENANCE.

**SS9P-8C-2AG** IS AN INNOVATIVE, HIGH-TECH PRODUCT WITH A MODERN DESIGN AND UNIVERSAL APPLICATION FOR LIGHTING DIFFERENT AREAS. IT HAS AN INTELLIGENT (MIXED) POWER SUPPLY (SOLAR PLUS CONVENTIONAL).

# SS9P-8C-2AG (2 in 1)

## CHARACTERISTICS

- Automatic night/day on/off & economy late night dimming
- Autonomy in nominal mode 29 hours (2.4 nights)
- Autonomy in Late night dimming mode 40 hours (3.3 nights)
- Factory preset: 50 % illuminance decreasing after 4 hours till 1 h before dawn;  
User specified: illuminance decreasing 20 ÷ 90 %;  
dimming start 2 ÷ 8 hours;  
dimming stop 0.5 ÷ 3 h before dawn.
- Light profile programmable
- Remote control available
- Operating temperature from -30° up to +60°C
- Maximum air humidity 95 %
- Hibrid power supply option
- System for remote monitoring and control option

## LIGHT SOURCE

LED Power	19.2 W
Led driver Power Efficiency	96 %
Total Power	20 W
LED's Manufacture	CREE USA
LED Lifetime up L70	> 120000 hrs
LED Luminous Flux	2 660 lm
Junction Temperature at Ta = 50°C	80°C
Lens Efficiency	79 %
Color Rendering Index (CRI)	70 ÷ 80
Number of Lamps	2
Real Lamps Luminous Flux for 4000 ÷ 6000 K	2 140 lm (1300+840)
Lifespan LM79-08	>50 000 h
Ingress Protection Rating	IP 67
Mechanical impact protection	IK 09

## BATTERY

Type	Sealed maintenance free, Flame retardant, Lithium technology
Capacity	60 Ah
Nominal voltage	9.9 V
Charging	built in intelligent charge controller (BMS & MPPT)
Lifespan	3 000 charging cycles (8 years)
Position	integrated in tube

## SOLAR MODUL

Type	Monocrystalline
Peak power	176 Wp
Lifespan	≥ 25 years

## PARAMETERS OF THE MECHANICAL CONSTRUCTION

Realization	Aluminum cast alloy + Hard PMMA
Height	2270 mm
Tube diameter	ø 200 mm
Lamp diameter	ø 210 mm
Diameter of the pole at the place of fixing	ø 89 mm
Weight	28 kg

## Additional deliveries

- Aluminum or Zink plated metal poles
- Means of fixing the pole underground / fundament

