

SS9A

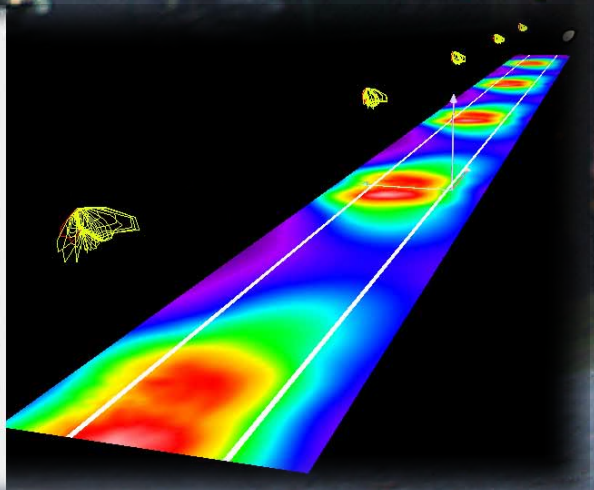
SOLAR LED STREET LIGHT

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 SS9A FOR LIGHTING DIFFERENT PUBLIC AND PRIVATE SITES, STREETS, PARKS, ALLEYS, QUAYS, AREAS BETWEEN BUILDINGS – FREE OF TAKING CARE ABOUT THEIR MAINTENANCE.

SS9A IS AN INNOVATIVE, HIGH-TECH PRODUCT WITH A MODERN DESIGN AND UNIVERSAL APPLICATION FOR LIGHTING DIFFERENT AREAS.

False Colours	
● illuminances	
<input type="checkbox"/>	16.00 lx
<input type="checkbox"/>	14.00 lx
<input type="checkbox"/>	12.00 lx
<input type="checkbox"/>	10.00 lx
<input type="checkbox"/>	8.00 lx
<input type="checkbox"/>	6.00 lx
<input type="checkbox"/>	4.00 lx
<input type="checkbox"/>	2.00 lx
<input type="checkbox"/>	0.00 lx



SS9A

CHARACTERISTICS

- Automatic night/day on/off & economy late night dimming
- Autonomy in nominal mode 38 hours (3.2 nights)
- Autonomy in Late night dimming mode 57 hours (4.7 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.
- Remote control available
- Operating temperature from -35° up to +65°C
- Maximum air humidity 95 %
- Protection category IP 65

LIGHT SOURCE

LED Power	19 W
Led driver Power Efficiency	96 %
Total Power	20 W
LED Light Output	160 lm/W
Current Efficiency	74 %
LED Luminous Flux	2 337 lm
Junction Temperature at Ta = 25°C	60°C
Thermal Efficiency	93 %
Lens Efficiency	92 %
Real Luminaire Efficacy (LER)	100 lm/W
Color Rendering Index (CRI)	65 ÷ 80
Real Lamp Luminous Flux for:	
Cool White (CRI = 65)	2 000 lm
Neutral White (CRI = 75)	1 856 lm
Warm White (CRI = 80)	1 570 lm
Zero Light Pollution	0 cd at 90°
Lifespan L70	160 000 h (36 years)

BATTERY

Type	Sealed maintenance free, Flame retardant, Lithium technology
Capacity	60 Ah
Nominal voltage	13 V
Charging	built in intelligent charge controller (BMS & MPPT)
Lifespan	22 years (8 000 charging cycles)

SOLAR MODUL

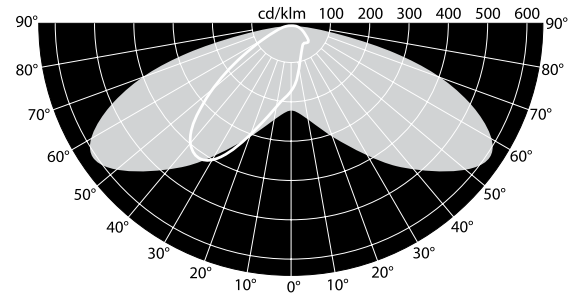
Type	Monocrystalline
Peak power	164 Wp
Lifespan	25 years

PARAMETERS OF THE MECHANICAL CONSTRUCTION

Realization	Aluminum cast alloy + Polycarbonate UV stabilized
Height	2540 mm
Tube diameter	ø 200 mm
Diameter	ø 316 mm
Diameter of the pole at the place of fixing	from ø 76 up to ø 90 mm
Weight	35 kg

Additional deliveries

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



SS9A application According EU Standards

1 lane x 4 m ME5 streets L = 24 m ; H = 5 m
(less than 60 km/h)

- L – Distance between the light sources (poles)
H – Height of the light source above the ground

