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SS100M2 SOLAR POWERED MULTIPLE LUMINAIRES LED LIGHT SYSTEM

SAFE DC LOW VOLTAGE

EXTREMELY WIDE ASYMMETRIC LENSES

ZERO LIGHT POLLUTION

SS100M2

- HIGH ENERGY EFFICIENCY
- NO MAINTENANCE COSTS
- LONG LIFECYCLE
- HIGH QUALITY AREA ILLUMINATION
- ERGONOMICAL – CLOSE TO NATURAL LIGHT
- ECOLOGICAL – MERCURY AND LEAD FREE

SS100M2

- Automatic night/day on/off & economy late night dimming
- Autonomy in nominal mode 48 hours (4 nights)
- Autonomy in Late night dimming mode 68 hours (5.6 nights)
factory preset: 50 % illuminance decreasing after 4 hours

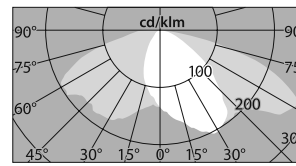
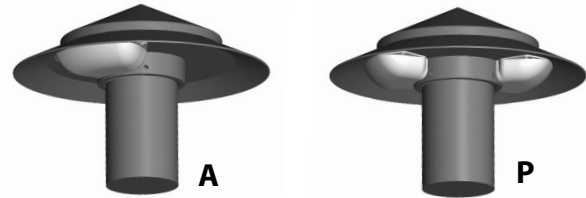
Solar Power Modul SP100M

Solar module Type	Monocrystalline, Advanced EVA encapsulation system with triple-layer back sheet
Peak power	380 Wp (2 x 190 Wp)
Lifespan	25 years
Battery Type	Sealed maintenance free, Flame retardant, Lithium technology
Capacity	200 Ah
Nominal voltage	23 V
Charging	built in intelligent charge controller (BMS & MPPT)
Lifespan	22 years (8 000 charging cycles)
Parameters of the mechanical construction:	Monoblock structure Aluminum cast alloy + Stainless steel
Dimensions (folded)	1600 x 1630 x 500 mm
Diameter of the pole at the place of fixing	from $\varnothing 70$ up to $\varnothing 160$ mm
Weight	100 kg
Additional deliveries:	Zink plated metal poles
Means of fixing the pole	underground / fundament

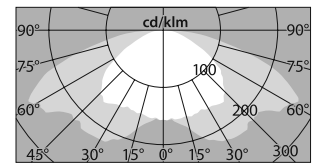
Light Sources SGdc15 (up to 6 pcs*)

Input Voltage	22 ÷ 30 V DC
LED Power	12.4 W
Power Efficiency	97 %
Total Power	13 W
LED Luminous Flux	1480 lm
Junction Temperature	70°C
Optical Cover Efficiency (Matt)	90 %
Real Luminaire Efficacy (LER)	102 lm/W
Real Lamp Luminous Flux Outdoor White (4000 ÷ 6200 K)	1180 lm
Color Rendering Index Outdoor White	CRI – 70 typical
Operating Temperature	-20° ÷ +55°C
Operating Humidity	10 ÷ 95 % RH
Lifespan L70	> 120 000 h
Ingress protection rating	IP 65
Optical cover	PMMA or polycarbonate
Installation Diameter	$\varnothing 60$ mm
Dimensions	$\varnothing 280 \times 200$ mm
Weight	3.5 kg

* Different luminaire combinations possible.



SGdc15A



SGdc15P

Application SGdc15

L = 14 ÷ 20 m H = 4 ÷ 4.5 m

SG15A Application According EU Standards

1 lane x 4 m ME5 streets L = 21 m; H = 4.5 m
(less than 60 km/h)

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

