



LightS

Data Sheet 01/2017

Dimensions:	Lamp:	72 mm Φ x 150 mm
	Power supply for grid charging:	70 mm x 60 mm x 25 mm
	Solar panel 1W:	140 mm x 70 mm x 18 mm
	Solar panel 2W:	190 mm x 105 mm x 18 mm
	Remark: It is important that the solar panel is fully exposed to sunlight when possible, as even partial shading will considerably reduce the performance of the panel.	
Weight:	Lamp:	approx. 300 g
	Power supply for grid charging:	approx. 90 g
	Accessories for mobile charging	approx. 50 g
	Solar panel 1W	approx. 190 g
	Solar panel 2W	approx. 295 g
Internal battery:	1 cell LiPo; 3,7V; 1.200 mAh	
No. of LEDs:	5 bright white	
Brightness:	LEDs (typical value):	36.000 mCd each, typical value
	Lamp (fully charged; typical value):	390 Lux (in 0,5 m distance, center) 110 Lux (in 1 m distance, center) 43 Lumen, typical value
Luminous period:	Lamp fully charged:	9 hours, bright light, only 10% decline during luminous period.
	3 minutes cranking (approx. 120 rpm):	21 minutes bright light, about 90% of the max. brightness with fully loaded battery
	Charging with solar panel:	8 hours solar charging (1W Panel) on a sunny day results in a fully loaded lamp-battery. Depending on intensity and angle of incidence of the sun.
Mobile charging:	The lamp will charge the mobile phone automatically using energy out of the internal battery of the lamp. If there is not enough energy in the lamp battery the charging process will automatically be terminated. Thereafter the lamp battery still contains energy for some light. The lamp can be charged by solar panel / power supply / car adapter at the same time as you use your lamp or charge your mobile phone. If the lamp battery is fully charged, you will get your mobile about 29% (some smart phones) to 60% (some regular phones) charged (depending on type of mobile phone).	