



# LightS

## Data Sheet 01/2018

<b>Dimensions:</b>	<b>Lamp:</b>	72 mm $\Phi$ x 150 mm
	<b>Power supply for grid charging:</b>	70 mm x 60 mm x 25 mm
	<b>Solar panel 1W:</b>	140 mm x 70 mm x 18 mm
	<b>Solar panel 2W:</b>	190 mm x 105 mm x 18 mm
<b>Weight:</b>	<b>Lamp:</b>	approx. 300 g
	<b>Power supply for grid charging:</b>	approx. 90 g
	<b>Accessories for mobile charging</b>	approx. 50 g
	<b>Solar panel 1W</b>	approx. 190 g
	<b>Solar panel 2W</b>	approx. 295 g
<b>Internal battery:</b>	1 cell LiPo; 3.7 V; 1,200 mAh	
<b>No. of LEDs:</b>	5 bright white	
<b>Brightness:</b>	<b>LEDs (typical value):</b>	36,000 mCd each, typical value
	<b>Lamp (fully charged; typical value):</b>	390 Lux (in 0.5 m distance, center) 110 Lux (in 1 m distance, center) 43 Lumen, typical value
<b>Luminous period:</b>	<b>Lamp fully charged:</b>	9 hours, bright light only 10% decline during luminous period.
	<b>3 minutes cranking (approx. 120 rpm):</b>	21 minutes bright light
	<b>Charging with solar panel: *</b>	In most cases 2-3 h of charging. Fully loaded lamp-battery after 8h solar charging (1W Panel)

### Mobile charging:

LightS will charge the mobile phone automatically using energy out of the internal battery of the lamp (power bank function). If the internal battery runs low, the charging process will automatically been terminated, and LightS will reserve energy for lightning for approx. one hour. The LightS can be recharged in parallel by solar panel / power supply / car adapter while charging your mobile phone. When the lamp battery is fully charged, you will get your mobile charged out of the power bank up to 30 % to 60 %, depending on type of mobile phone. When using mobile charging during sunlight with a connected solar panel, you can get your mobile phone fully charged.

### Suitability for storage:

A charged LightS can be stored "ready for use" for several years.

\* It is important that the solar panel is fully exposed to sunlight, as even partial shading will reduce the performance of the panel.

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