

**Categorie Premio**      **Accessibilità**      **Sostenibilità**      **Qualità della vita**

**Product Name**      Solar Lampion

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**Description of innovation social values**

- product category
- formal and functional features
- problems solved by innovation
  - user
  - field of application

Most solar lamps today are of the type that you 'plant' in your garden and then leave unattended. They store energy during the day and release it in the form of light at night, which is nice.

But what if we could store the sun's energy during the day and release it at nightfall wherever we needed it. This would allow us to bring the light with us, into the home at nightfall to read a book or eat a meal.

Furthermore the Solar Lampion makes maximum aesthetic use of the solar cells that spiral around the light construction in the manner of an organic pine cone.

In terms of design, the overall shape and dimension is based on a traditional Chinese lantern, as this is a beautiful example of an archetypical light source. A case of back to the future!

**Description of technical features**

- operations
- technology

The Solar Lampion is, in essence, nothing more than a bunch of solar cells stuck together...nicely stuck together mind you. This makes the lamp unique, what you see is what it is; a solar lamp made of solar cells!

The construction has been kept to the bare minimum. The lamp is built up of layers, or crowns, that have been injection moulded. Each of these crowns holds 6 inclined (towards the sun) solar cells and as they are stacked on top of each other, every crown undergoes a 30 degrees horizontal displacement (the total amount of solar cells is 30, although this is could be increased due to the modularity of the design). This results in the round organic shape, which can be placed anywhere outside and will ensure that it always catches the sun's rays. Each solar cell is coupled to an LED and these are fed by one rechargeable battery.

**Dimensions**

30 x Ø 16 cm

**Materials**

Injection moulded zinc aluminium alloy (rapid prototyped plastic in model) + solar cells + LED's

**Certifications**

Red Dot Award

**Benefits for environment**

Works on solar energy

**Benefits for human being**

More evolutionary than revolutionary, the Solar Lampion is a portable lamp that can be carried in and out of the house...just like we used to carry candles around the house at night.