

Categorie Premio Accessibilità Sostenibilità Qualità della vita

Product Name AUTONOMA

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Description of innovation social values

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

“This solar public lighting pole is totally autonomous and can be placed in any isolated area where electricity is not available. Built with power LEDs which offer lighting performance and energy saving it also can be programmed. It also includes a motion detector, so when a pedestrian comes close the light intensity of the pole raises to full power, and decreases to a third to save energy when there is nobody around. Autonomia” uses solar energy a renewable and free energy source that generates electrical power without burning scarce fossil fuels that are exhausting the planet’s limited resources, Dumping millions of tonnes of Carbon Dioxide gas into the atmosphere, and creating Global Warming

Description of technical features

- operations
- technology

“ Autonomia’ solar street light system are based around the natural lines of a tree, each street lighting system is designed to operate as one integrated self contained unit that includes electrical generation, storage and management, the light itself is made up of 1W Luxeon LEDs (Light Emitting Diodes) LEDs consume a fraction of the energy of comparable lighting and have a very long life span.
Autonomia can be programmed to turn on and off at specific times between dusk and dawn, to conserve energy each lighting system is fitted with a infrared passive presence detector.

Dimensions

height5480cm

Materials

Aluminium, Steel,

Certifications

EN 40 level 5

Benefits for environment

**reducing carbon dioxide emissions,
reducing sky light pollution (night time)**

Benefits for human being

Virtually no maintenance or bulb replacement costs thanks to LEDs technology that assures a very long life expectancy.
Intelligent and User-Friendly: Possibility to set the work (lighting) hours: for instance – 3 hours in the early morning and 5 hours in the late evening, ect.