

SOLAR LED STREET LIGHTING

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LEDtree is a stainless steel street lamp that has been designed for use in both urban areas and remote locations. Shaped as a stylised tree, each street lamp is powered by nine solar panels, making it ideal for use in areas that are not connected to the local electricity grid. Each solar panel consists of several photovoltaic cells contained within a double layer of glass to protect them against bad weather. The panels power three 20-watt light-emitting diodes (LEDs) in each street lamp. The lamps are oriented so that their light falls on the ground and does not contribute to light pollution. Stainless was selected for this application as it has excellent aesthetic characteristics, resists corrosion, is easy to clean and can be recycled at the end of its useful life.



Location | ITALY

Environment | OUTDOOR

Product | ROUND WELDED TUBES

Fabrication process

Grade/surface | AISI 304 AND AISI 316

Material thickness/diameter | STAINLESS STEEL TUBE: 88.7 MM DIAMETER AND ABOUT 3.4 M IN HEIGHT.

Weight

Competing material | PAINTED CARBON STEEL, GALVANIZED STEEL

Date of Completion

Manufacturer | MCE SPA ROSSETTI LIGHT.

Material Supplier

Source of Information | CENTRO INOX

Remarks | PLANNING AND INDUSTRIAL DESIGN BY ERREDESIGN DI ELISABETTA REDAELLI.