



Saudi Arabia himawari solar lighting system cost

What is Himawari solar lighting system?

LA FORET ENGINEERING CO.,LTD. (Mori Building Group) Copyright (C)2022 LAFORET ENGINEERING CORPORATION. All rights reserved. Himawari solar lighting system brings real natural sunlight indoor by using the convex lens and quartz glass optical fiber cables. Let natural light light up your house to improve the life quality.

How much light does a Himawari system emit?

Light is emitted at a spread angle of 58° from the edge of an optical cable. At two-meter from the end of the optical fiber, an approximately 1.5-m diameter circle region is illuminated at approximately 1,036 luxon average (per cable) and one Himawari system is equipped with two cables.

Can I switch between the Himawari and artificial illumination systems?

We have an automatic dimmer system available which allows you to switch between the Himawari and artificial illumination systems. Sunlight is condensed about 10,000 times through a highly efficient lens.

The Himawari solar lighting system harnesses natural sunlight through the light-collecting lens unit and travels through optical fiber cables emitting light on the other side into the rooms of homes, offices, factories, warehouses, and other areas where natural light is hard to get through.

Whether you are a corporation, government agency or small business, our solar outdoor lamp options are designed with a low total lifetime cost in mind. Some of our largest installations have been in Saudi Aramco, Kingdom of Saudi Arabia; and we are honored to be playing a role in building its infrastructure.

Compared to regular LED light which is specific radiations triggered from electronic energy, the natural light of Himawari is direct from real sunlight. The HIMAWARI system consists of a sunlight collector (lens focusing unit), quartz glass optical fiber devices, an automatic tracking system, and the outer acrylic dome covering all the devices.

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The cost-effectiveness of distributed solar power in Saudi Arabia is evaluated through power generation and economic analysis of both grid-tied and battery-integrated PV systems. This analysis includes the utilisation factor of rooftop PV systems, performance ratio (PR) in harsh climates, the LCOE for grid-tied PV systems, and the optimisation ...

To continue as a key player in the MENA region" solar photovoltaic industry specializing for delivering the most competitive supply of PV steel structural components, Al-Babtain has established a manufacturing facility at 3rd Industrial city in Dammam Saudi Arabia in 2018.

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With recent advances in PV technology and government support for renewable energy solutions, solar power is now cheaper per kWh for customers on commercial tariffs than the current electricity price. With our pricing models, we remove the unpredictability of grid pricing and make solar energy profitable long-term.

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