

Dec 1, 2019&ensp;&#0183;&ensp;A fixed optical fiber solar system for long distance daylighting used in buildings is proposed. Its structure and working principle have been introduced. The proposed system ...

Feb 1, 2025&ensp;&#0183;&ensp;This study presents the development of an innovative, cost-effective daylighting system using fiber optics. The system is based on a solar concentrator consisting of Fresnel ...

Oct 5, 2023&ensp;&#0183;&ensp;The biggest cause of the problem is that all traditional optical fiber light guiding systems must have a tracking device. This paper studies a solar fiber optic guide system ...

The lighting performance of a solar fiber optic lighting system has been verified by luminous flux, illuminance and light spectrum measurements in a study hall - corridor interior.

Jul 1, 2011&ensp;&#0183;&ensp;This paper presents the experimental investigation of a novel sunlight concentrating and optical fibre guiding system for daylighting applications. The key part of the system is a ...

Download scientific diagram | The illustration of the Natural Light Guiding System from publication: Design and evaluation of natural light guiding ...

Jan 28, 2022&ensp;&#0183;&ensp;The biggest cause of the problem is that all traditional optical fiber light guiding systems must have a tracking device. This paper studies a solar fiber optic guide system ...

3 days ago&ensp;&#0183;&ensp;The Parans solar lighting system delivers zero-carbon natural sunlight for indoor environments and constructions. It uses innovative fiber optic lighting technology and design.

A technology for tracking the sun and light guide system, which is applied in the field of sun tracking technology and solar energy applications, and can solve the problems of low ...

The following keywords were used: daylight, light, pipe, fiber, rod, system, and phrases: lighting rod, fiber optical system, mirror light pipes, daylight ...

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2 days ago&ensp;&#0183;&ensp;Parans Solar Lighting offers fiber optic sunlight solutions for indoor environments through innovative technology and design. The ...

Directly transporting sunlight for use in indoor lighting applications is an efficient way to utilize solar energy. This study proposes a tree-structured light guiding system (TLGS) to collect ...

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