

Order in Progress Announcement

New Doha International Airport



Project	Solar powered bikeway lighting
Location	Doha, QATAR
Sales Rep.	Lumatron Qatar W.L.L.
Product	Mira S 100-1800 (1800 lumen/18 LEDs)
Status	Order in progress
Completion	Summer 2011
Description	Installation of 583 units Mira S 100-1800 highly decorative and efficient solar lights with integrated mono-crystalline silicon solar cells complete with all appertenances, including (but not limited to) LED luminaire, LEAD-ACID batteries, electronic system, wiring base plates, anchor bolts and foundation.

Solar Powered Bikeway Lighting - NDIA, QATAR

When it opens, the New Doha International Airport (NDIA) will be one of the most advanced airports in the world. Designed with energy efficiency in mind the new bikeway to the NDIA will be illuminated with the unique hei solar light™. HEI Solar Light GmbH delivers 583 units of the innovative solar powered LED lights type Mira S 100-1800 for a 5 m wide combined pedestrian/bicycle path of approx. 14 km length. The contract was obtained together with the locally-based company Lumatron. Lumatron is an exclusive dealer of hei solar light™ products in Qatar and a well known family-owned company specialized in individual lighting solutions addressing the very special needs of final clients with innovativ products and solutions.

About hei solar light™ Mira S 100-1800

The Mira S 100 is a stand-alone LED solar light conceived for outdoor lighting. Equipped with advanced LED and photovoltaic technology, the Mira S 100 provides uniform light distribution ideal for pedestrian/bicycle paths and low traffic roads. The solar-powered light provides a remarkable luminous flux of up to 1,800 lumen with 18 LEDs feeded by a fully into the light pole integrated photovoltaic-module, setting new standards in terms of design and performance of solar outdoor lighting. The LED-technology was specially developed for hei solar light™, using a light temperature of 5,300 Kelvin and lenses, which are particularly designed in the HSL-laboratory. This enables an extraordinary high efficient light distribution, and at the same time reducing effects on any kind of light pollution substantially.



hei power tube

The patent-registered and unique photovoltaic-module-technology, optimized for poor lighting conditions, ensures an optimal energy supply. Selected highly efficient mono-crystalline silicon solar cells and an innovative patented lamination and manufacturing technology result in an outstanding design and a top performance even on cloudy days and during diffuse daylight (e.g. sandstorms). The unique cylindrical shape of the PV-module withstands high wind loads and avoids deposits on the surface like sand, dirt or snow.

The active and intelligent energy management system is constantly monitoring Mira S 100. The system optimizes in a unique manner the light output as well as the energy efficiency.

The perfect battery management including MPP-tracking for maximized energy yield and brightness control by PWM allows best performance.

A unique plain design together with an innovative technology forms Mira S 100 into a technical and aesthetic milestone in the development of professional solar lights.

About New Doha International Airport

The new airport will accommodate 24 million passengers and 750,000 metric tons of cargo annually. It will feature two of the longest commercial runways in the world, an 85 meter high control tower, a 510,000-square-meter passenger terminal with 40 gates, a general aviation terminal, a cargo terminal, a 150,000 square meter aircraft maintenance center, one of the world's largest airport catering facilities, state-of-the-art air traffic control equipment and security systems, as well as other facilities.

Booming economies need fast paced infrastructure development to support their continued growth. With this in mind, the New Doha International Airport (NDIA) will play a critical role in maintaining Qatar's position as one of the world's fastest growing economies.

Reflecting the Government of Qatar's commitment to the environment and sustainable development for future generations, the new airport has been designed with energy efficiency in mind.



For more information on New Doha International Airport project please refer to www.ndiaproject.com.