

PHILIPS

Public spaces

Cairo, Egypt

November 2015

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Revitalizing Cairo's iconic Opera House with spectacular LED digital illumination

The Cairo Opera House is the main performing arts venue in the Egyptian capital and home to most of Egypt's finest musical groups. To highlight its status as a renowned cultural venue in the region, the Opera House wanted to revitalize the building's exterior using the latest LED lighting technology.

It was decided to adopt Philips LED technology. Over the period of four months Philips designed, implemented and installed over 100 Philips Color Kinetics Vaya LED RGB (Red, Green & Blue) Lighting luminaires, which gave the building a more innovative look and served to highlight its importance as a source of cultural pride to Egypt and the region.

Customer's need

The Cairo Opera House wanted to increase its prominence as a culturally significant building for the city and the Middle East region.

Our solution

It used Philips LED lighting technology for a stunning makeover of its exterior reducing its energy consumption in the process.

The results

- The LED lighting technology has a lifespan of up to 50,000 hours
- Reduction of 80% energy consumption compared to conventional lighting



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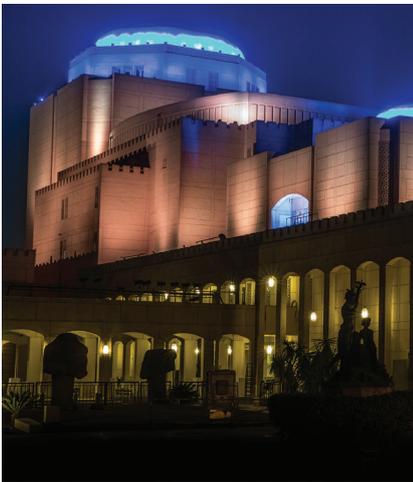
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Cairo Opera House

The Cairo Opera House is the main performing arts venue in the Egyptian capital and home to most of Egypt's finest musical groups. It is located on the southern portion of Gezira Island in the Nile River. It provides the most comprehensive technical and stage facilities in Africa and the Middle East and stages productions of ballet, opera and symphonic works.



The Cairo Opera House is a cultural landmark renowned for leadership, excellence and imagination. It has carved itself a significant place in the cultural landscape of Egypt and the Middle East.

With its appealing mix of high-quality traditional events, and its unique venues as well as its state of the art facilities, the Cairo Opera House is exceptionally suited to fulfill its mission to become a representation of art in Egypt and across the world.

Keen to revitalize the building's exterior its owners wanted to use modern lighting to bring the building to life and highlight its cultural prominence, while respecting its origins and traditional design.

An energy efficient makeover

Philips provided the Cairo Opera House with a stunning makeover that succeeded in boosting the exterior of this iconic building. Philips new lighting concept focused on highlighting the importance of the building as a source of cultural pride.

To do this the Philips team applied its innovative Vaya LED lights which create an endless spectrum of colors to highlight the features of this architectural masterpiece, allowing Philips to introduce a vibrant ambience that changes depending on the performance taking place inside the Opera House.

Intelligent RGB (Red, Green & Blue) flood lights were used on the façade of the Cairo Opera House turning the hall into a stunning landmark, adding visual comfort and an expressive environment at night. The domes of the building were illuminated using intelligent RGB floodlights with wide beam angle to highlight the octagonal base shape.

An innovative look

Located in the southern part of Gezira Island, this iconic building now houses the new Philips dynamic lighting, which ensures it is visible from anywhere up to half a kilometer away on the River Nile.

By using its latest LED lighting technology, which has a lifespan of up to 50,000 hours, Philips has also enabled the Opera House to reduce its energy consumption by up to 80% compared to conventional lighting.

The new Philips lighting design has guaranteed that the viewing points of the Opera House are the main feature, with light and shadow applied in such a way that the building's structures are also emphasized.

The entire project at the Cairo Opera House took Philips four months to complete – this included the design, implementation and installation of 160 Philips latest Color Kinetics Vaya LED RGB (Red, Green & Blue) Lighting luminaires.

Key to success

A shared ambition to give the iconic Opera House a more innovative look, maintaining the authentic and historic atmosphere of the Opera House, while reducing the energy consumption.

