

Case Study | Lighting Control Systems

JW Marriott Hotel
Shanghai, China



The Challenge: To design an easy-to-use lighting control system that can create the appropriate lighting for various kinds of morning, afternoon and evening activities in the hotel's public areas.

In the early 20th century, Shanghai transformed itself into a sophisticated modern city – dubbed ‘the Paris of the East’. It was the first city in East Asia that truly combines Chinese and European architecture. ‘The Bund’, a boulevard located on the west bank of Huangpu River, has a number of buildings reflecting different cultural characteristics – from pointed Gothic roofs, classical Roman arches to Baroque columns and Balconies.

Known also as the ‘museum of international architecture’, ‘The Bund’ and its neighbourhood became the location for many of Shanghai’s leading banks, clubs and hotels. In recent years, Shanghai has benefited from huge capital investment, and this had led to a boom in new architecture.

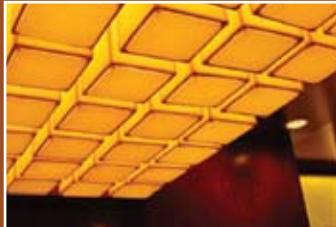
The completion of JW Marriott Hotel in Shanghai adds to the list of ever expanding commercial prosperity of metropolitan Shanghai, giving more vigour and colour to the city. The lighting consultant of this world-class hotel has chosen Lutron’s GRAFIK 6000™ preset lighting control system to control its lighting. His aim is to ensure the JW Marriott Hotel blends in with the skyline, and compliments key surrounding landmarks – such as the People’s Park, People’s Square, Shanghai Grand Theatre and Shanghai Museum.



The JW Marriott hotel in China officially opened in October 2003. Acknowledged as the group's most elegant and luxurious Marriott brand, only 29 'JW' hotels are in operation out of its 2,600 properties. JW Marriott Hotel Shanghai, being an integral part of 'Tomorrow Square', is located in the heart of the Shanghai business district. It's the tallest hotel in downtown Puxi, within walking distance is the Bund, the nation's financial business centre.

Physically, 'Tomorrow Square' is a striking modern glass and steel structure, making full use of high quality raw materials – concrete and the latest technology. Starting from a square base, the tower transforms itself into a diagonal square as it rises to a peak. It is also built to withstand wind and earthquake forces with a combination of shear walls and frame action.

Lighting plays an important role in this project as 'Tomorrow Square' was originally built to be an all-purpose building, with the lobby for the JW Marriott Hotel placed on the 38th floor due to the design of the elevators and the grand halls in the main lobby. The hotel needed to create a welcoming environment just for guests as soon as they enter the



building and maintain a special environment for them between the ground floor and the 38th floor. Lighting creates a relaxing environment suitable to leisure travellers, and projects an air of familiarity and comfort to business travellers.

Standing at 60 stories high, the hotel features 342 luxurious guest rooms and suites, and 255 apartments offering magnificent panoramic city views. Guests will experience an exquisite range of international cuisines, state-of-the-art business and recreation facilities, including the 'Mandara Spa', and the personalised service renowned at JW Marriott hotels worldwide.

The hotel's lighting consultant Lightsource International (Asia) Ltd. chose Lutron Electronics to provide lighting control systems in various locations within the hotel. They include the ballroom, two restaurants, coffee shop, executive lounge, spa, wine cellar, lounge and other public areas. They selected Lutron's lighting control system to meet present and future lighting challenges.

Lawrence Lee, lighting designer at Lightsource commented, "Lutron's lighting control systems are perfect for a ballroom, where different ambience can be created; when there is a seminar, lighting level is high with lights being dimmed during presentations; for a dinner dance, the lights are adjusted in such a way that a relaxed and dazzled environment is set up."

"For the coffee shop setting, lights are usually focused on the environment to make dining an enjoyable and comfortable experience; however, for special arrangements like a dinner or luncheon buffet, the focus is placed on the food so that lights on them can bring out the emphasis. It works the same for the wine cellar. For places where daylight can shine through, Lutron products

adjust so that a low level of light is used to complement it.

"What I appreciate about Lutron products are their user-friendliness; it is so easy to use and control that only simple training is required. Staff in the hotel, retail and similar businesses can easily master the controls of the Lutron system to make changes in order to set the mood for any environment,"

"We have been specifying Lutron products on projects in the US and Asia for 20 years. We have found that they are very robust, dependable and easy to work with. Their main benefit is simplicity in the controls, which most users interface with. We rarely have to re-train the end users on how to operate the system," said Lawrence Lee.

With the GRAFIK 6000™ preset lighting control system, Lee was able to preset scenes across different areas over 60 floors in the hotel and minimize training time for JW Marriott staff and clients. This flexibility has allowed the JW Marriott to handle requests and changes from their clients quickly and easily.

**Client**

JW Marriott Hotel
Shanghai, China

Architect

John Portman & Associates
International

Lighting designer

Lawrence Lee
Lightsource International (Asia)
Limited

Equipment Provider

Lutron Electronics. Co., Inc.

Photography

Courtesy of JW Marriott

Lutron Products:

GRAFIK 6000™
preset lighting control system



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