

■ Extensive project :

Time was also a challenge. As it took about five years to complete the entire project from design, acquiring fixtures, installation, programming and testing, lighting designer David Singer had to create something impressive yet timeless, which can keep up with the beat of the lighting trend.

Lutron wallplates, dimmers and controls come in a variety of colours, finishes and styles to coordinate with any project's aesthetic requirements.

Another challenge of the project is that due to the scale of the hotel, the number of switches is 4 to 5 times more than other projects. Engineers and electricians needed to keep track of the additional wiring and sockets on a very detailed level to ensure the appropriate manipulation of the lighting systems. The lighting project is massive and complicated, with 10,000 to 15,000 lighting zones in the hotel and each zone is programmed with 16 scenes. Not only are Lutron systems reliable, the distributor and representatives from Lutron were also very professional and responsive to all installation problems throughout the project.

To achieve the desirable quality of light, Park Hyatt Shanghai installed incandescent low voltage halogen lights. This type of light is claimed to be less energy-efficient when compared to fluorescent or LED lights. However, with the specification of Lutron's lighting control systems which saves energy when they dim, the halogen lights are able to achieve the specific lighting aesthetics standard while effectively conserving energy. Studies have also shown that the lifespan of halogen can be extended by 2 times if dimmed by 10% and 4 times if dimmed by 25%. Significant maintenance and lamp cost can be reduced as a result.

"We always recommend the use of Lutron's lighting systems for their high quality and professional pre-sales and post-sales support. Lutron's local representatives are true experts and problem-solvers when it comes to working with the design team and other stakeholders to bring their magnificent lighting concepts into reality. Lutron has proven to be a reliable partner through its consistent commitment in delivering high quality lighting solutions and professional customer service," said Tashiro.



Project Name:

Park Hyatt Shanghai

Architect:

Kohn Pedersen Fox Associates (KPF)

Interior Designer:

Tony Chi

Lighting Designer:

David Singer

Lutron Lighting Products Used:

GRAFIK™ 7000 Centralized Lighting Control System
HomeWorks® Intelligent Lighting Control System
Rania™ Single/ Dual Wallbox Dimmer

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Case Study | Park Hyatt Shanghai
Total light control experience at hotel guestrooms





The Challenge :

To help create a calm and tranquil ambience in a luxury hotel 79 stories above the streets of China's most dynamic and fastest paced city. Of key importance was to provide unimpeded night time views across the city through a carefully designed lighting system that eliminated distracting reflections.

The Park Hyatt Shanghai is one of the world's highest hotels, offering an unparalleled experience of elegant, contemporary luxury with highly attentive personal service. The hotel is located on between the 79th to 93rd floors of the Shanghai World Finance Centre (SWFC), also known as "The Vertical Complex City" in the Pudong business district, with spectacular views across the Bund, the Huangpu River and some of the world's tallest skyscrapers. Understated elegance is the underlying philosophy at every Park Hyatt together with distinctive regional character.

World-renowned architects and interior designers have custom designed each Park Hyatt to brilliantly combine modern style and timeless regional trademarks with grace and ease. Modern technology is particularly valued, such as the state-of-the art lighting control systems provided by Lutron Electronics.

"Park Hyatt" is the most exclusive brand of the Hyatt Hotel Corporation and the Park Hyatt Shanghai is among the first to be opened in China under this name. With a mission to provide authentic hospitality by making a difference in the lives of the guests they touch every day, it is no surprise that the Park Hyatt Shanghai wants every lighting detail to reflect professionalism, thoughtfulness and style.

In a hotel almost touching the clouds, lighting is exceptionally important as excessive sunlight and glare can destroy the ambience in the daytime. Similarly at night, internal reflections of lighting create undesirable mirror images detracting from the stunning Shanghai night scene. With an immense restaurant and private dining venues locating on the hotel's 91st and 93rd floors, it just makes the role of lighting even more critical.

Hiroshi Tashiro, Park Hyatt's Director of Planning and Administration, understood what and why certain special lighting equipment should be utilized to provide the most appropriate illumination. The lighting design philosophy of the hotel is task-oriented, which is to keep it simple by putting the minimal number of lights to achieve the desired effects.

To cope with such a lighting design philosophy, Tashiro worked with lighting designer David Singer and turned to the leading lighting control manufacturer - Lutron, who made use of their wide product range to meet the versatile needs of the hotel at various locations. Lutron's GRAFIK™ 7000 centralized lighting control system was used in public places including the main lobby, all-day dining restaurant, ballrooms and meeting rooms, public corridors and spa; whereas its HomeWorks® intelligent lighting control systems and Rania™ wallbox dimmers were installed in the presidential suites and guestrooms.

Scalable and flexible, GRAFIK 7000 is the ideal solution for multi-zone commercial environments with numerous spaces each with a variety of lighting sources and zones required. It is capable of controlling all common light sources, including incandescent, magnetic low voltage, electronic low voltage, 0-10V ballasts, digital ballasts (DSI, DALI), neon cold cathode and LED.



The Lobby :

A daylight integration system was installed in the lobby, gradually adjusting electric lights to offer hotel guests the most desirable light level and save energy. Photo sensors were installed to measure the light level and linked to Lutron's lighting control system. The electric light is automatically adjusted according to the brightness of the daylight. From daytime to evening, the electric light level changes from 35% to 83% and it becomes 25% at late night. Besides, Lutron's lighting control system ensures that the lobby lighting is thoughtfully integrated with the architecture and highlights important places to incoming guests, such as the front desk and the concierge.



Wallbox dimmers :

Inside guestrooms, Lutron's Rania™ single and dual dimmers were deployed to help lower the voltage and change the light from white to amber. The hotel has preset the desirable light levels for all rooms but hotel guests can always fine-tune the lights to their preferred levels. Pressing the bedside all-off button will gradually fade all lights to darkness, allowing hotel guests to smoothly glide into sleep.



Guest room experience :

Park Hyatt is devoted to providing all its guests with a memorable stay. The enjoyable experience begins when the guests enter their rooms and press the wall control button for the first time. The space will be lit up gradually, creating a warm and inviting scene. The lighting ambience will vary according to different hours of the day, thanks to the built-in timeclock of Lutron's HomeWorks System. Guests will enjoy the understated luxury of different atmospheres every time they enter the room and experience the unusual tranquil ambience of the hotel that cannot be easily found else where in such a fast-paced city.

