

The Fullerton Bay Hotel Singapore

Picture Credits:
Vossloh-Schwabe



Since it opened its doors in 2010, the Fullerton Bay Hotel has made its mark as one of the excellent additions to the upscale hospitality industry of Singapore. Sited on a prestigious spot along the Marina Bay waterfront, the hotel provides the perfect vantage point to the magnificent views of the bay and the Singapore city skyline.

Client: The Fullerton Heritage
Architect: DP Architects
Lighting Designer: Light Cibles
Lighting Control: AiXZ International
Lighting Manufacturer: Vossloh-Schwabe
Lighting Supplier: LuxLight

Picture Credits: The Fullerton Bay Hotel Singapore, Brice Schneider (Light Cibles), Vossloh-Schwabe

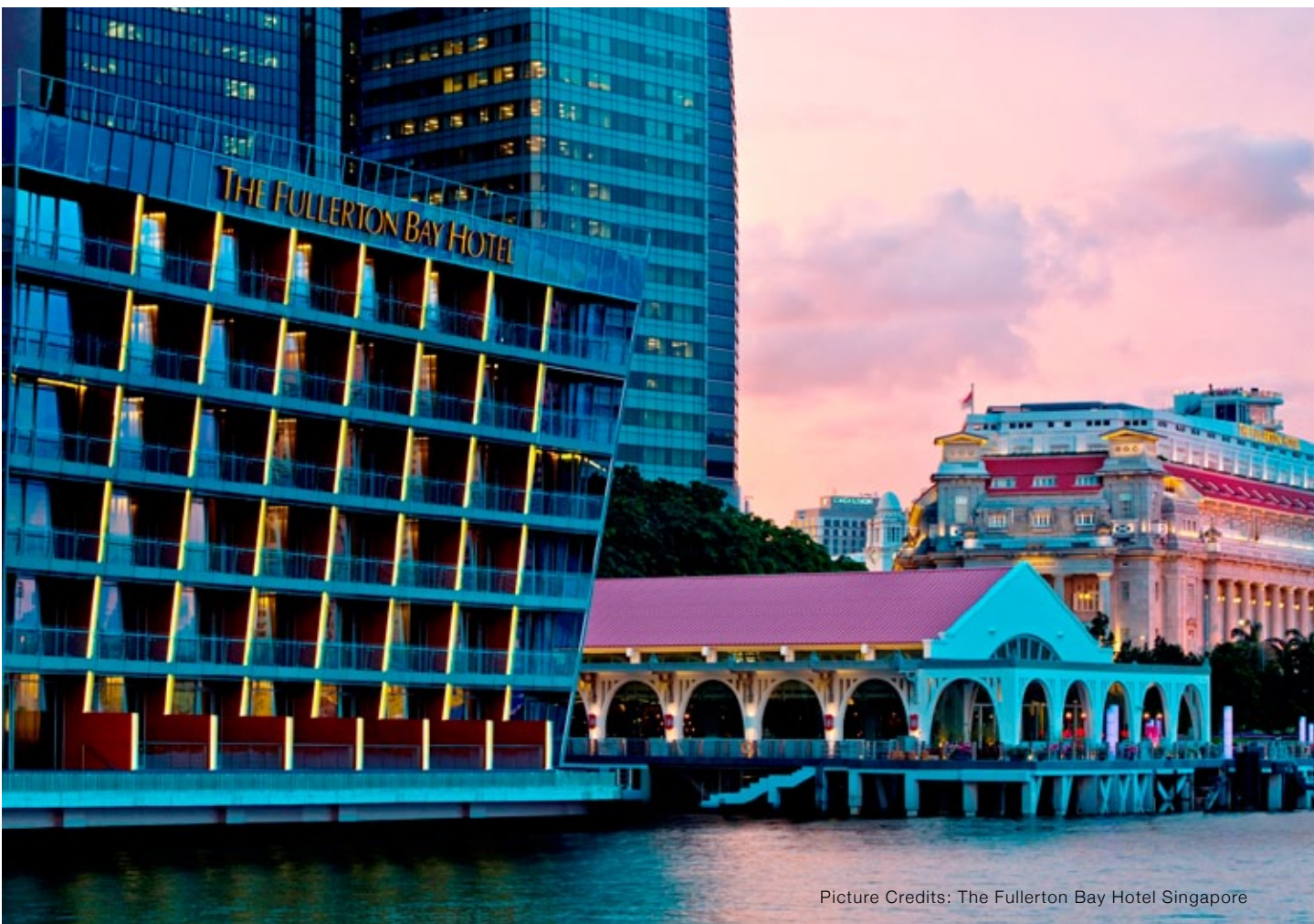
Over time, the Fullerton Bay Hotel has gained recognition for its stylish design, luxurious hospitality, unsurpassed views, and waterfront dining experiences from leading international travel magazines such as Conde' Nast Traveler, Business Traveller and many others.

The luxury hotel is part of The Fullerton Heritage waterfront development and a collaborative design effort between Singapore architectural firm DP Architects and Light Cibles — a French lighting design practice headed by father and son team, Louis and Emmanuel Clair, who opened an office in Singapore in 2007. The company has spread its lighting designs around the world, and is also responsible for the lighting design of all the elements of The Fullerton Heritage, starting with the renowned Fullerton Hotel's façade lighting in 2000, One Fullerton in 2009 and, most recently, The Fullerton Pavilion in 2012.

The Fullerton Bay Hotel Façade Lighting Design

In providing a remarkable visual impact to the hotel at nighttime, the concept of timeless elegance was taken as the main approach in façade lighting design. Significant architectural features were given due emphasis with lighting elements that were gracefully integrated with the façade detailing. As one of the main lighting features of the façade, Light Cibles created a series of glowing vertical bands of light projecting from the hotel's glazed façade planes.

External walls dividing the individual accommodation balconies were capped with vertical glass fins and integrated with continuous edge lighting. These lighting features give a sparkling appearance to the structure maximized by the interesting light reflections they created on the adjacent water body.



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Vossloh-Schwabe on the Fullerton Bay Hotel Façade

Vossloh-Schwabe's LEDLine FLex SMD High Brightness warm white built-in PCB lighting modules were selected by Light Cibles as the most suitable lighting product for the vertical façade lighting features running along the façade glass fins of the Fullerton Bay Hotel. With the hotel facing the bay and having to sustain harsh elements such as corrosive ocean salt air, and tropical weather good encapsulation needed to be considered. Vossloh-Schwabe in coordination with Light Cibles ingeniously customized IP67-compliant encapsulation for LED frames destined for outdoor lighting projects using high-quality polyurethane coating with a stainless steel C channel profile through in-house expertise in Germany.

Brice Schneider, Lighting Designer in-charge of the project, explained, "The main challenge was to create a fully consistent lighting effect which meant that the repetitive lighting details had to be perfectly coordinated and aligned with each other throughout the entire façade. Several design components such as glass type, glass finish, LED lighting and mounting details were developed in complete unison to create the elegant lighting effect that we wanted to achieve."

The same concept of vertical lighting elements is apparent in all Fullerton Heritage structures. It serves as a unifying element on the overall visual perception of the waterfront development at night.



Picture Credits: Vossloh-Schwabe



Picture Credits: Brice Schneider (Light Cibles)

Light Cibles composed a façade design with a total number of 200 pieces in varying profile lengths and wattage to illuminate an impressive 300-metre area of glass windows. The glass length posed a challenge to create a continuous LED length in a customized LED profile as encapsulation machine constraint only allows a maximum limit of 1.7 metres.

As such, two pieces of LED strips were placed "butt to butt" with each other to form one flawless unit. Careful planning and consideration were taken using precision spacing between two LED strips to avoid "dark spots" in between the two LED strips to achieve continuous illumination. Dimming system was integrated to control the light output of these LED strips for various occasions and events depending on the time of the day creating several magical effects and ambient moods.