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# Intuitive Design Colorfully Highlighted

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**Specified for strength and intensity, lighting at a Puerto Rico hotel adds a vibrant touch.**



Color intensity with precise control to frequently change lighting schemes on the hotel was achieved with Dyna Graze HO Exterior DMX fixtures.

At night, The Hyatt Place San Juan/City Center hotel is as vibrant as its capital city of Puerto Rico. Unique colored-lighting schemes and an innovative digital-art installation highlight the hotel's façade.

The 149-room hotel, developed as a joint venture between affiliates of Hyatt, PRISA Group, Dorado, PR, and McConnell Valdés Consulting Inc., Hato Rey, PR, is centrally located in San Juan's main attractions, including historic Old San Juan, beaches, the marina, cruise ship terminals, entertainment and sports venues, the Hato Rey business district, museums, and cultural centers. It's also within walking distance of the chic Condado and Miramar neighborhoods, which are the home to a wealth of dining and shopping opportunities. The property is just steps from the Puerto Rico Convention Center, which receives more than 700,000 visitors a year.

The hotel features the distinctive Hyatt Place brand's intuitive design, casual atmosphere, and myriad practical amenities. The outdoor swimming pool area, with more than 11,000 sq. ft. of resort-style pool space, features a children's play area with slides, sprinklers, and other fun activities, as well as an adult lounge area and a convenient poolside bar offering light fare and drinks.

Its daytime appeal, however, pales in comparison to its appearance at night, thanks to a custom color-lighting scheme from Acclaim Lighting, Los Angeles. The design complements a digital artwork display on the building's exterior created by a local artist. The innovative digital-art installation along the hotel's façade is the fourth of its kind by PRISA Group.

To equally balance the attention on the art installation and the building's intuitive design, PRISA Group sought ultimate color intensity with precise control to frequently change lighting schemes.

According to Manuel Torres, who collaborated with PRISA Group on the installation, Hyatt Place San Juan/City Center had two main lighting specifications. "First, grazing luminaires had to be IP65 rated or better with the ability to adjust the degrees of light dispersion through DMX controls. Second, the hotel wanted complementary luminaires to create animation with lighting on the facade of the building," said Torres.

### **Intense, Colorful Grazing**

After reviewing several IP65-rated luminaires, Torres and his team confirmed that Dyna Graze HO Exterior DMX was the only one that offered the strength with the intensity to light the 65-ft. building façade. The luminaire is a high-output LED fixture for outdoor applications. IP66 rated for wet locations, the fixture contains an onboard DMX driver with RDM addressing for simple setup and control. The linear LED fixture is available in color changing options as well as single-color white. Beam angles can be set at 10 x 60-, 30 x 60-, 10 x 10-, 60 x 60-deg. and asymmetric wall wash for maximum flexibility. A 30-deg. swivel mount is included with the unit, and there is an optional 90-deg. mount.

Available in 1- and 4-ft. sections with a linkable cable system for multiple configurations, the fixture consumes 20 W/linear ft. while operating at 100 to 277 VAC. The fixture maintains 70%

lumens at 150,000 hr. and provides approximately 693 lumens/ft. (RGBW, 10 x 60 deg.) for intense light, making it ideal for the hotel. The high-output fixture operates at temperatures of -40 to 122 F.

A total of 23 Dyna Graze fixtures were placed at a height of 12 ft. from the floor with a 3-ft. separation from the wall. Torres said, "This configuration enables us to achieve lighting uniformity on the façade with precise color separation between the walls of the same building."

A local artist created a digital artwork display for the building's exterior.

### Precise, Animated Light

Torres continued, "To complement the capabilities of the Dyna Graze, we took a different approach to create animation with lighting on the building façade. We used pixel mapping so we could place the lights in the window bars for an aesthetically pleasing appearance during the day while providing a beautiful, colorful spotlight of the building's architecture at night."

The team specified 250 AL Dot nodes from Acclaim Lighting based on three factors. First, Al Dot's size allowed the perfect fit to integrate the lights into the hotel windows. Second, it provided the necessary lumens needed to achieve precise color schemes. Finally, AL Dot can be controlled by DMX and RDM to change color schemes and light patterns efficiently.

AL Dot is a direct view, IP66-rated RDM/DMX node designed for low-resolution dots of color and dynamic visual effects. It features an internal DMX driver with RGB color changing and a 120-deg. beam angle. It operates in temperatures from -10 to 123 F and maintains 70% of its lumens at 150,000 hr.

"The programming was essential to be able to create the visual lighting effects that we wanted to achieve," said Torres. "The combination of the AL Graze fixtures and AL Dot nodes with precise lighting control has created spectacular color schemes to the delight of hotel guests, visitors and residents."

