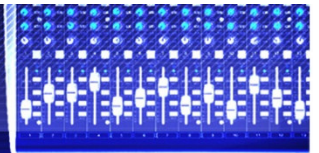




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## MALAYSIA

## IVA and Prism Spectrum in Upgraded Luna Bar

Perched on the 34th floor rooftop, surrounded by the towering skyscrapers of Kuala Lumpur, the Luna Bar at the Pacific Regency Hotel Suites is undoubtedly one of the hippest night time gathering spot in the Malaysian capital.

Recently, the hotel decided to upgrade, or rather, redefine the concept of Cristallo di Luna, the classy dining outlet connected to Luna Bar. Pacific Regency wanted to refresh Cristallo to give it a new lease of life and bring in more crowd, so they decided to focus more on music, dance and entertainment. With this new idea in mind, the decision was made to upgrade the sound and lighting system to suit the new concept.

### The Challenge:

The interior design, furniture and fittings remain largely unchanged except for new colours and fabrics and some enhancements, leaving the job of changing the look and feel of Cristallo to the lighting system. But there was the limitation of the low ceiling and the decorative plaster panels, leaving

little room for conventional large effect lightings. Prism Spectrum, a new progressive new name in effects lighting, provided just the right solution with their compact LED effects lighting.

Being a smoke free area meant smoke machines could not be used at Cristallo, so the design has to emphasize on colour, patterns and movement of light to create the required effects. No light beams were possible without the smoke machines.

### The Solutions:

4 units of Prism Spectrum LED Shuffle Pro Prism 60W moving heads were installed on the ceiling over the dance floor. These moving heads utilize white LEDs as a source of pure white light, and using 7-color wheel and 7-gobo wheel for effects. The LED moving heads were compact and bright enough to provide the visual enhancement at the dance floor with various colours and patterns. The design of the moving head's reflector, together with intense light from the LEDs, made visible a very

narrow and tight 10 degree light beam from 15 feet despite the lack of smoke.

The DJ console and stage area is illuminated by a single set of Prism Spectrum PAR SYS 4 PRP 159, a plug-n-play LED lighting system with a very user friendly design. It comprises of 4 pieces of LED panels, with 144 pieces 10mm 1w RGB LEDs in each panel. It can be set either to sound activation mode, master/slave mode, or DMX controlled mode via a foot switch controller. This foot switch pad enables the performers themselves to control the lighting scenes.

To add further impact to the in house lighting, 2 units of Prism Spectrum Fusion FX PRH X28 3-in-1 LED Strobe and Laser FX were added above the dance floor to add colour wash and strobe and 2D geometry laser effects. Together, the Prism Spectrum effects lighting gives a vivid display of colors, patterns and movement, giving the dance floor a dreamy, liquid illusion of movement. This effect, combined with the view of the KL skyline, really went well with Luna Bar's dreamy feel in the skies.

The whole lighting system is controlled by DTS's Virtual Lighting Control Software on a computer. This is a virtual DMX 512/1024 lighting software controller. An almost unlimited scene presets is possible with this software. Just program it on the PC and play the scenes according to the show. The club saved on lighting controllers and the LED fixtures meant savings on dimmer packs too. Another benefit of using a full LED system was less heat reproduction. The club could remain cool with lights at full blast.

The sound reinforcement system was also largely factored by the low ceiling and fixtures. Cristallo is not a loud techno dance club, but more of a chill-out club, need just enough SPL to move the senses, yet allowing for



relaxation and conversation. With a lot of glass windows for viewing the city skyline, reverb had to be kept in control. The club also wanted for patrons to select the area of choice for loud music, or a more relaxed level. And they had the special requirement that the SPL would be higher at standing level and lower at seating level. With this in mind, speaker directivity was a very important factor to avoid excessive reverb, and to direct the sound where it is wanted.

The club took an unconventional approach by selecting 4 IVA line array cabinets (CLA-108F) and the main speaker system based on a very controlled and narrow vertical dispersion angle to direct the sound towards standing level, and lower SPL at seating level. The narrow vertical dispersion angle also reduces reflection from the floor and ceiling. Due to the narrow vertical dispersion of the line array units, 2 units of IVA DP-12MKII full range speakers were installed to add addition SPL at the dance floor and also for the DJ's monitoring.

For bass reproduction only 2 units of the IVA CLA-115S subwoofers packed more than enough punch for the dance floor. This ensured that high bass SPL levels remained at the dance floor, while the seating areas had a more relaxed level.

Powering the speakers was a system consisting of a Behringer DCX-2496 speaker management, 3 units of IVA PRO-12 amplifiers and 1 unit of IVA PRO-18 amplifiers. Besides the DJ equipment, there was also an Allen & Heath ZED-22FX mixing console for the live jazz band session during weekdays. Equalization was digital, via 2 units of Behringer DEQ-2496.

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