

Innovative Technology for Large Area LED Display and Architectural Lighting

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Recently the large area LED lighting systems gradually merge the areas of traditional LED display and Neon Sign because the high performance DMX control system has been developed and the efficiency of LEDs has innovatively increased. However, there are still some issues remained for developing the large size LED display and LED lighting systems. In order to design the large size LED architectural system, we have to consider the issues such as design of the networking of video or signal data, allocation of electric power, and control of the LED color uniformity (white balance). In this talk, these issues will be discussed with referring to actual examples.

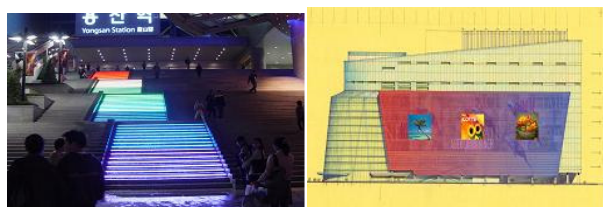


Fig. 1. Large LED display system at Yongsan Station, Seoul, Korea, installed by LEDLITEK in December 2004.