

Tokyo Dome

Tokyo, Japan



Video, sound, and DMX* control of 650 LED floodlights working together to produce the dome space

A major renovation of Tokyo Dome was completed in March 2022, the first since its opening in 1988. Between 2016 and 2017, existing HID lamps in the arena were replaced with LED floodlights, which are now controlled by DMX, and ribbon board displays were installed above the outfield fence to realize a spatial production that combines lighting, video, and audio.

As Satoshi Wakabayashi, Deputy Head of the Tokyo Dome Department at TOKYO DOME CORPORATION and Head of the Planning and Public Relations Group, explains, “For this renovation, we installed a giant video screen that is more than four times the size of the previous one, and two ribbon board displays with a total length of approximately 107 meters between the outfield fence poles, so that video images now fill the field of vision. In addition, by using DMX to control the 650 LED floodlights installed around the dome, we have been able to deliver a new spectating experience. These technologies were running on site from the opening game of the 2022 season, and I sensed a positive reaction when I heard spectators exclaiming, ‘Wow, that’s amazing’ the moment they saw the production we had created. Going forward, I would like to promote this combined lighting, video, and audio performance, not just at baseball games but for other events held at Tokyo Dome.” As well as expanding spectator seating and food and beverage facilities, a facial recognition system is being introduced for admission and payments. All retail outlets in Tokyo Dome have become completely cashless.

Similar cashless initiatives are being considered for the future to coincide with the renovation of Tokyo Dome City, a project that is progressing in the area surrounding the dome itself.

*DMX: Communication standard for the dimming and control of lighting equipment. Construction design report vol. 43/published November 2022.

*Company names, job titles, etc., are those applicable at the time this feature was compiled.

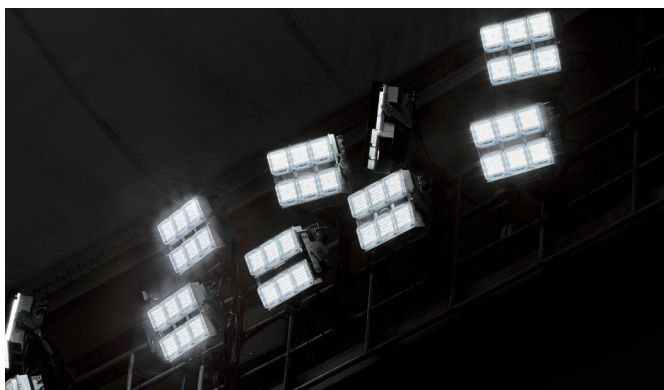
*The giant video screen is not a Panasonic product.



Ribbon board displays linked with LED floodlights and the giant video screen (pictured is the visual production for a strike out).



Ribbon board displays above the outfield fence (pictured is the visual production for a home run).



High luminous flux (86,000 lm) LED floodlights with added DMX control.



LED downlights in operation at the suite restaurant in the corporate area "THE SUITE TOKYO".



Entrance gate that controls entry and exit using facial recognition (only for games hosted by Tokyo Dome/Yomiuri Giants).



Cashless payment using facial recognition.

Products for Solutions



Lighting control system



Ribbon board displays



LED lighting equipment



KPAS facial recognition entry and exit security system

