

HOKKAIDO BALLPARK F VILLAGE ES CON FIELD HOKKAIDO

Hokkaido, Japan



A sustainably developing ballpark that will be a symbol of Hokkaido

Hokkaido Ballpark F Village was opened in March 2023 and houses the Hokkaido Nippon-Ham Fighters' new stadium, ES CON FIELD HOKKAIDO. A ballpark is a combined space with a baseball stadium as its focal point, alongside green spaces, commercial facilities, and more, and urban development through the construction of ballparks is actively being promoted in the United States.

As such, F Village is not just a place for watching baseball games. Rather, the aim has been to build a space for creative collaboration with fans, partners, and local people that will lead to revitalization of the community and contribute to society, and to generate a new symbol of Hokkaido that conveys its value and its appeal both domestically and overseas. At the same time, the project is pursuing urban development for sustainable growth through a diversity of partnerships with the industries, government bodies, and academic institutions that endorse it. In particular, efforts are being focused on activities that contribute to the development of children, who will uphold the future of local communities.

With the new baseball stadium as F Village's centerpiece, its extensive site of approximately 32 hectares (seven times the size of Tokyo Dome) is also home to a hotel, retail stores, an agricultural study facility, a certified kindergarten, and residential properties. Facilities open for business even on non-game days are located throughout F Village, and include stores and restaurants in the stadium itself.



Ra90 LED floodlights with outstanding color rendering are fitted to the fixed sections of the roof.



The light direction of each 1 kW/2 kW-equivalent LED floodlight can be adjusted to reduce glare.



The venue is fitted with approximately 600 digital signage displays.



The control room utilizes Panasonic's "KAIROS" IT/IP platform.

Turning the stadium into an entertainment space by controlling 354 floodlights and displaying images

The new stadium has two stories below and six stories above ground, with one of the world's largest retractable roofs (approximately 166 meters across) and a capacity of around 35,000 spectators. The number of seats used by visiting fans on the side of the field next to third base has been reduced, and TOWER 11, a five-story complex with a hotel and hot springs, has been built above the left outfield seating. The south side of the stadium is a huge glass wall, which at its highest point rises to around 70 meters. As well as guaranteeing sunlight, this functions to link the inside of the stadium with the external space. 226 2 kW-equivalent and 128 1 kW-equivalent LED floodlights are installed at the top of this glass wall and on fixed sections of the roof. To prevent these floodlights from adversely affecting play and dazzling the players on the field, they feature restricted light distribution that narrows the beam of light being emitted from the light source, and by dispersing the floodlights' directionality, there is less overlap and reduced glare for players and spectators when they look up. In response to the action during a game, be it a home run or a victory for one of the teams, DMX control combines brightness adjustment (0–100% dimming) and instantaneous strobing effects to realize a show that is a fusion of light, video, and sound. What makes this possible are Panasonic's "KAIROS" IT/IP platform and integrated management system "S-CMS". "KAIROS" processes multiple video signals, while "S-CMS" provides integrated control of lighting, video, and audio to deliver content from any viewing angle and at any resolution, on large-scale screens and on approximately 600 digital signage displays installed around the stadium.

A distinctive feature of the new stadium is its diversity of spectating environments. One of these is the "Panasonic CLUB LOUNGE", which is located opposite third base near the dugout. Here, visitors can experience Panasonic products and services while enjoying gourmet cuisine. Spectating from the same viewpoint as the players also gives visitors a sense of being directly involved in the game. In a relaxing space with wooden design features and low lighting, Panasonic's downlight projector "BioSHADOW" recreates the spectacle of sunlight filtering through the trees, while the spotlight-type nanoe™ X Generator and the "Ziaino" sodium hypochlorite air disinfectant and deodorizer create an environment with comfortable air quality. The lounge provides an unprecedented spectating experience, with theatrical lighting and the latest beauty, health, and AV products.

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*Company names, job titles, etc., are those applicable at the time of their inclusion in the report.





“BioSHADOW” projects images of dappled sunlight filtering through the trees onto the floor of the “Panasonic CLUB LOUNGE”.



Visitors can receive beauty treatments while watching the game from window seats in the lounge.



Massage chairs in the lounge, along with Panasonic’s next-generation LANTERNA smart light.



LED-based lighting illuminates the communal area of the food and beverage zone.



Four of Panasonic’s natural chillers (aka absorption chillers) are responsible for heating and cooling the stadium as a whole.

Products for Solutions



2 kW-equivalent LED floodlights



LED-based lighting



LANTERNA



BioSHADOW



Digital signage displays



KAIROS



S-CMS



nanoe™ X Generator



Ziaino



Natural chillers

