

Beijing International Indoor Tennis Center

Case Study

Previous System: 1000
Watt Metal Halide
Based Light Fixtures

Solarone System:

RT410FL-S160W
Flood Lights Series



Customer Profile

Built in 1973, the Beijing International Club Tennis Hall was the first indoor professional tennis hall. In 2015, to promote its development consistent with the time, the company decided to proceed with the reconstruction of the tennis hall on its original premise.

Scope of Work

Solarone was contacted to create a lighting solution for the Beijing International Tennis Club. This project consisted of a one for one replacement of the existing 1000 Watt Metal Halide Fixtures.

In all sports, LED lighting provides the best stage for competitors to perform, and it's no different for tennis players. Glare control technology equals more uniform lighting with fewer unwanted shadows or hot spots that can distract athletes while in the game. In a sport with little margin for error, LED technology helps ensure the lights don't create another variable for the athletes.

The Solution

An engineered photometric design was performed. We checked glare and light output. Then we provided exact aiming points for each fixture. Solarone Vision Smart RT410FL-S160W were easily replaced with our two for one plan. Our LED lighting solutions deliver uniform light in the air and on the court much more efficiently than metal halide light and significantly reduce unwanted light spill and light pollution. The lifespan of LEDs generally exceeds 100,000 hours compared to a traditional metal halide lifespan of 18,000 hours.

Solarone®

LED Sports Lighting

Enhance Athletes' Performance

The Results

Where every hit counts, uniform, no-glare light does not effect the vision of the athletes while going at a fast speed. Mledtech lunimaires produce a minimum of glare and spillover, and require no maintenance.

The new lighting system achieved an average of uniformity of 75 percent and a saved in energy costs by 50 percent. LEDs offer a low-cost entry point to provide high-quality light and make the venue more dynamic. Also, the long life of the LED carries a great saving in replacement parts and an almost total unconcern of the maintenance personnel.

Solarone Vision Smart RT410FL-S160W improved the Beijing international Tennis Club experience with the greatest visual comfort for the athletes and coaches alike. The advantage is clear. Solarone products produce the highest quality lighting in the industry



Solarone approaches each project as a unique opportunity to exceed the customers', the players' and the observers' expectations in terms of improved lighting delivered, improved visual comfort and operational savings. Our process steps help streamline this effort. We will meet directly with financial decision makers to go over final proposal in detail. Solarone will work with the customer's contractor to provide them with detailed computer aiming points which can be set while on the ground.

Solarone®

LED Sports Lighting



Paddle Tennis
Courts



Recreational
Facilities



Ice Rinks



Football
Stadiums



Trap and
Skeet