

Soccer Complex

Case Study

Previous System: 1000
Watt Metal Halide Based
Light Fixtures

Mledtech System:
400Watt
LED RT410 Flood Light
Series



Customer Profile

Sichuan University is a university in Chengdu. It has a long history and many predecessors, of which the earliest one was founded in 1740 with the origin in BCE 141

Scope of Work

Mledtech was contacted to create a lighting solution for the University. 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 soccer players. Even though soccer is played at ground level, the ball may be kicked high up in the air many times throughout the game. 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. Mledtech Vision Smart 400W RT410 Flood Light Series were easily mounted on the existing poles. 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.



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LED Sports Lighting

Enhance Athletes' Performance

The Results

Where every kick counts, uniform, no-glare light does not effect the vision of the athletes while kicking the ball in the air. Mledtech luminaire produce a minimum of glare and spillover, and require no maintenance during outdoor winter and summer temperature extremes, through the extent of the manufacture warranty.

The new lighting system achieved an average of uniformity of 65 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.

Mledtech Vision Smart RT410 Flood Light fixtures improved Sichuan University soccer complex experience with the greatest visual comfort for the athletes and coaches alike. The advantage is clear. Mledtech products produce the highest quality lighting in the industry backed by a ten year warranty.



Mledtech 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. Mledtech will work with the customer's contractor to provide them with detailed computer aiming points which can be set while on the ground.



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LED Sports Lighting



Paddle Tennis
Courts



Recreational
Facilities



Ice Rinks



Football
Stadiums



Trap and
Skeet

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