

Beijing Capital International Airport

Case Study

Previous System:
1000 Watt Metal
Halide Based Light
Fixtures

Solarone System:
RT410FL-S260W
Led Flood Light
Series



Customer Profile

Beijing Capital International Airport is the 2nd largest airport in the world and is the main international airport serving Beijing.

Scope of Work

Solarone was contacted to create a lighting solution for Beijing's Capital International Airport apron, terminals and parking lots. This project consisted of a one for one replacement of the existing 1000 Watt Metal Halide Fixtures.

Air travel requires lots of travel right here on the ground. Solarone LED lighting solutions provide bright, even illumination along airport access roads, parking lots, walkways, corridors and concourses, slashing energy consumption and maintenance costs by double digits. Our Vision Smart technology reduces light spillover while enhancing operation safety.

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 260W RT410 Flood Light Series were easily used to replace the existing 1000 watt metal HID fixture with our one for one plan. Our LED lighting solutions deliver uniform light in the air and on the ground 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.

The Results

With ample, even lighting, the pilots will notice the difference. Well-lit airport areas increase your customers' sense of safety and security

Where every dock counts, uniform, no-glare light does not effect the vision of the airport ground crew while assisting the planes. Solarone luminaires 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 80 percent and a saved in energy costs by 75 percent. LEDs provide high-quality light and make the airport 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 RT410 Flood Light fixtures improved the Beijing Capital International Airport experience with the greatest visual comfort for the pilots, and passengers. The advantage is clear. Solarone products produce the highest quality lighting in the industry backed by a ten year warranty.



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.

