

DUBAI COLLEGE TENNIS COURTS

We were nominated by Super Sports LLC to transform the Dubai College playground to a tennis court complex, which would be composed of four tennis courts.

The scope of the works covered the following: supply of LED floodlights, supply of lighting poles and corresponding precast foundations, excavation works, cabling, lights fixing and their adjustment. A local subcontractor, who was hired by us, fulfilled all the physical works.

The works took about 2 months to complete. We started in second decade of July 2014 and finished by the end of August. The coincidence of start of the works with the holy month of Ramadan, when we have in place scorching temperatures and the labour working hours are shortened in UAE, resulted to longevity of the works.

The main target was to deliver a class II court as per ITF classifications. The illuminance of the class II courts shall stand at 300 LUX. After performing several simulations, we concluded that we should go for **400W LED 40D and 60D beam angle floodlights**. They would be fixed on 6-meter galvanised poles. The latter would be fixed in the ground by 1600x1400x600mm and 1000x1000x600mm precast foundations.



The average actual illuminance however stood at about 240 LUX – 250 LUX, which were still very good results bearing in mind the colour of the cover, its finishing, environmental factors and non-precise reading of the light meter in night time.

Before:



After:

400W LED Floodlights

