



COMISION ESTATAL
PARA EL AHORRO
DE ENERGIA

CASE STUDY

CLUB SOCIAL Y DEPORTIVO DE CHIHUAHUA – BRITANIA -

Britania Sports Club in Chihuahua wanted to improve the lighting quality of their main tennis court, while reducing energy and maintenance costs, as well as glare that disrupt tennis players.

Existing 8 1500 watts HID metal Halide sport type fixture provided lots of glare, shadows and color shift.



As you can see in the photos above, there were many “hot spots” making light on the court not uniform, heavy shadows, and glare which was causing players to “loose” the ball while playing. Also other courts near the main, causes glare and discomfort on the players.

Total watts on the court 1,680 x 8 = 13,440 watts



COMISION ESTATAL
PARA EL AHORRO
DE ENERGIA

Britania decided to try the new W4PT5096 array replacing one per pole. Each array has 4 W4PL5096 (848 watts per array) for a total of 5,088 watts for the complete court.



The result was a 93% light uniformity, no glare and a great color rendition. Noise levels were also reduced. (Magnetic ballast hum). Players perceive and “see” the ball and they do not “loose” the ball while playing.

Total watts on the court 848 x 6 = 5,088 watts
Savings 62.14%

“ El Poder del Control Energético en sus manos “

Tecnología Avanzada en Sistemas Energéticos S.A. de C.V.

Alondra 2953 Fracc Privada del Marqués, Cd. Juárez, Chih. 32607 Tel/Fax (656) 623-3701 y 617-0183

E-mail: fernando.espinosa@energizaonline.com y www.energizaonline.com