



CASE STUDY: San Diego Indoor Soccer



PROJECT HIGHLIGHTS

- » Fixture energy consumption reduced 30%
- » Brighter, more consistent lighting improves the field of play
- » Easy retrofits are done with existing fixtures and as lamps need replacement



San Diego Indoor Soccer is one of 23 recreational facilities owned and operated by Let's Play Sports Inc. The facility consists of two soccer fields and four tennis courts and it serves a number of youth and adult leagues who utilize the facilities day and night, under high-wattage / high-lumen-output HID lighting.

Let's Play Sports Inc. is dedicated to providing dependable, responsive management to operate the facilities with cost effective services that add value to their operations and enhance the enjoyment of the people living in the communities served.

This goal was recently threatened because of the performance of the facility's 1000 watt metal halide lighting fixtures that were being driven by magnetic ballasts. Despite the high wattage of the lamps being used, lumen depreciation had become significant and lighting levels were insufficient and inconsistent around each field. The result was dark areas and shadowing on the field, particularly in the corners, and frequent replacement of expensive 1000 watt lamps.

Each soccer field is surrounded by (14) 20' light poles. Beginning with the lights in the corners of the fields and as re-lamping is required, Empower Electronics has been replacing magnetic ballasts and 1000-watt lamps with Empower's electronic ballasts and 750 watt metal halide lamps. Empower used 750 watt metal halide lamps because they appeared significantly brighter than the installed but "lumen depreciated" 1000 watt lamps and because lumen depreciation of the new 750 watt lamps will be virtually eliminated when they're driven by Empower's electronic ballasts.

In March of 2009, 11 of the 28 total soccer field lamps and magnetic ballasts were replaced with Empower electronic ballasts and 750 watt metal halide lamps. For each fixture that is retrofitted with a new Empower Electronic ballast and 750 watt lamp, energy consumption is reduced by about 30%. Not only has power consumption been reduced but those using the fields have been remarking about how much brighter and more evenly lit the fields seem. "Corner shadows are gone" is the comment most frequently heard.

Better light **AND** lower operating costs – with Empower electronic ballasts!

OUR COMMITMENT

Empower Electronics developments and manufactures microprocessor-based controls that replace core and winding magnetic ballasts and improve the performance and efficiency of new and existing High Intensity Discharge (HID) lighting.

HEADQUARTERS

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