



	Fixture	Foot Candles	Energy Savings
Previous System	Metal Halide	66	71%
Ephesus Solution	Arena 600 & 300	224	

VENUE

The Canadian Tire Centre is a 19,153 seat multi-purpose arena and home to the Ottawa Senators NHL hockey team. The facility also hosts basketball games, concerts, ice skating and other entertainment events.

CHALLENGE

The facility was experiencing poor light uniformity for the level of play taking place. Maintenance costs for the metal halide lighting system were high. Lighting quality for HDTV sports broadcasting was an increasing concern.

SCOPE

Ephesus was selected after facility operators conducted an extensive side-by-side test with three other lighting companies offering LED solutions. The Ephesus solution exceeded all others in every category including the amount of light reaching the ice surface, light uniformity, ease of installation and instant on/off capabilities. The project included replacement of the existing metal halide lights and installation of a wireless control system to improve operational efficiency and flexibility.

SOLUTION

146 Ephesus Arena fixtures were installed. The Ephesus solution included wireless controls and the Ephesus Black Box control system. This provides instant, one-touch control to switch between different light settings as well as the ability to create unique fan experience effects. Custom lighting scenes were developed to the customer's specifications.

RESULTS

The number of fixtures was reduced from 182 to 146. An impressive average of 224fc was generated on the playing surface, while uniformity improved to 1.3. Energy savings of 71% are projected.

BROADCASTING CONSIDERATIONS

The remarkable increase in light at the surface and improved uniformity greatly enhanced the HDTV sports broadcasting experience. Camera operators can follow the action smoothly with minimal camera adjustments. The characteristics of the Ephesus fixtures ensure the picture is flicker-free for the enjoyment of fans viewing at home.

Watch a time lapse of the installation here: <https://www.youtube.com/watch?v=LuMxXXo2oqA>

"Our facility operators will benefit from the versatility of the system and the fact that it is practically maintenance free. But most importantly, our fans at Canadian Tire Centre and watching at home will clearly see a better game."

- Tim Conroy, VP & Executive Director, Canadian Tire Centre