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**Dunkin' Donuts Center Green Energy Initiative Puts Arena's Energy Costs on Ice  
Barron Lighting Group Manufactures High-Performance LED Fixtures with Integrated Controls  
for Comprehensive Energy Conservation Initiative at Dunkin' Donuts Center**

October 2014, (Glendale, AZ) – Barron Lighting Group announced its recent completion of an extensive energy efficiency project with The Dunkin' Donuts Center in Providence RI. The comprehensive high-tech LED lighting initiative will reduce energy use by 1,749,586 kilowatts (kWh) annually, while ensuring that televised events, sports competitions and other performances will always be ready for prime time, which was also a critical part of the project for this widely known entertainment and events location.

The energy reduction project was completed earlier this year. It consisted of a wholesale changeover of the facility's antiquated metal halide fixtures to a network of state-of-the-art LED lighting, managed by the latest network based lighting control system integrated into Barron's LED high performance sports lighting fixtures.

The Dunkin' Donuts Center needed a solution that was flexible and dynamic to efficiently accommodate the diversity of events hosted at the 30,000 square foot facility, including American Hockey League's Providence Bruins and Big East Providence College Friars home games, major concerts and trade shows, while being exceptionally energy efficient and environmentally beneficial.

The installation included one hundred eighty four TLED-KSL 400 watt high performance flood lights from the TRACE\*LITE division of Barron Lighting Group. With its precision optical lenses combined with combined with high performance high wattage solid state LED light engine, the TLED-KSL provides the precise beam control, 32,500 initial delivered lumens. It has been engineered for consistent optical performance as well as significant energy savings and longevity, as a replacement for traditional metal halide sports lighting.

"Our control-integrated LED sports arena fixture drastically reduced energy use and gives the facility's production teams immediate and precise control over the venue's ever-changing lighting requirements, all at the swipe of a mouse" said Alan Tracy, President of Barron Lighting Group. The new system was designed in accordance with specific customer demands and stringent performance criteria based on the needs in the space. Producing over 300 footcandles evenly distributed on the ice surface, and providing a simple, user-friendly interface for control of the system has made this a cost effective investment for the owner.



Each fixture can be independently controlled, disabled or dimmed by area or grouped into dozens of programmed “scenes”. Operators can go from over 300 footcandles of light required on the ice for televised hockey games, to light levels you’d expect at a candlelight vigil in an instant. All it takes is the slide of a virtual controller on a computer monitor or mobile device. “These advanced capabilities bring with them real and immediate savings, less energy consumption, advanced technology and a solution that is far better for the environment” Tracy said.

In addition to the significant kilowatt savings, there will be lower ongoing maintenance costs. The old style metal halide lamps needed to be replaced every two years, the new LED fixtures have a rated life six times greater than the metal halide lamps. The removal of the metal halide fixtures brought about a significant heat reduction in the space. This reduction enabled the facility to reduce its chiller load which significantly increased the kWh savings as a result of the project.

“This has been one of the most gratifying energy saving projects we’ve ever worked on” said Tracy. “Identifying the challenges, working closely with the owner’s needs and seeing it all come together with such huge results are what it’s all about.” The system design is ideal for venues of this type and there are plans to implement a greater scale version at the large exhibition hall at Seaport World Trade Center in Boston later this year.

Headquartered in Glendale, AZ, Barron Lighting Group has a forty-one year old history of manufacturing high quality lighting products. Barron is comprised of four (4) core lighting brands, **EXITRONIX** – Life Safety and the inventor of the LED Exit Sign, **TRACE\*LITE** – Commercial/Industrial lighting solutions and **SPECIALTY LED PRODUCTS** – Architectural LED lighting solutions and **INDOOR GROW SCIENCE** – High performance lighting for the horticultural industry. For more information, contact Barron Lighting Group, 7885 N. Glen Harbor Blvd, Glendale, AZ 85307 623.580.3948

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