

# The Gardens Ice House

## Case Study

Previous System:  
360W T5 Fluorescent  
High Bays

Mledtech System:  
150 Watt LED High  
Bays



### Customer Profile

The Gardens Ice House is a privately operated skating and fitness facility in Laurel, Maryland. Built on Fairland Regional Park land, the venue features an Olympic ice rink, two NHL rinks, and since November 2013, an outdoor mini-rink

### Scope of Work

Mledtech was contacted to create a lighting design for the Garden Ice House in Laurel, Maryland. This project consisted of a one for one replacement of the existing 360W T5 Fluorescent High Bays.

Ice arenas can be used for hockey games, recreational ice skating, competitive skating training sessions, and ice shows. Hockey rink lighting needs to illuminate all the fast-paced action that a hockey game delivers. After all, the puck is only 4" and can travel 100 mph. Whether attending a game in an arena or watching from home, the best viewing experience is one where the hockey rink is extremely well-lit.

### The Solution

An engineered photometric design was performed. We checked glare and light output. Then we provided exact aiming points for each fixture. High-quality illumination is essential for playing hockey as the players are expected to act quickly while trying to hit, or stop, a very small puck. Mledtech Vision Smart 150 Watt LED Recreation Area High Bay Series fixtures were easily replaced with our one for one plan. Our LED lighting solutions deliver uniform light in the air and on the court much more efficiently than metal halide light.



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LED Sports Lighting

**Enhance Athletes' Performance**

## The Results

"Clearly one of our main successes for 2017." Clai Carr - Owner of The Gardens Ice House

Where every hit counts, uniform, no-glare light does not effect the vision of the players, the referees and the spectators. Traditional metal halide light is indirect and causes shadows. LED lighting allows the playing surface to shine, giving better visibility from board to board, including the corners. Mledtech lunimaires produce a minimum of glare and spillover, and require no maintenance, through the extent of the manufacture warranty.

The new system achieved an average of 72 percent light output increase and a 59 percent energy reduction for the Garden Ice House. Also, the long life of the LED carries a great saving in replacement parts and an almost total unconcern of the maintenance personnel.

Mledtech Vision Smart 150 Watt Recreation Area Light Series improved the Garden Ice House experience with the greatest visual comfort for the players, coaches and spectators. The advantage is clear. Mledtech products produce the highest quality lighting in the industry backed by a five year warranty.



Mledtech approaches each project as a unique opportunity to exceed the customers', the players' and the observers' expectations in terms of improved lighting delivered, improved visual comfort and operational savings. Our process steps help streamline this effort. We will meet directly with financial decision makers to go over final proposal in detail. Mledtech will work with the customer's contractor to provide them with detailed computer aiming points which can be set while on the ground.



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LED Sports Lighting



Paddle Tennis  
Courts



Recreational  
Facilities



Ice Rinks



Football  
Stadiums



Trap and  
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