

Pine Valley Swim & Tennis Club

Case Study

Previous System:
400 Watt Metal
Halide Light Fixtures

Mledtech System:
150 Watt LED
Recreation Area Light
Series



Customer Profile

The Pine Valley Swim and Tennis Club is located in Baltimore, Maryland. This is a family oriented facility where members can do an array of activities like platform tennis, pickle ball, swimming, basketball, yoga..etc!

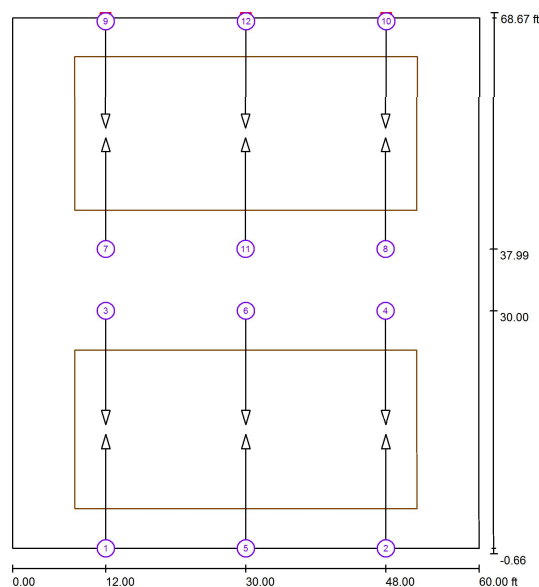
Scope of Work

Mledtech was contacted to create a lighting design for the Paddle Tennis Courts at Pine Valley Swim and Tennis Club. This project consisted of a one for one replacement of the existing 400 Watt Metal Halide Fixtures and repurposing the existing poles.

Paddle is a high-speed sport. The lighting levels on the ball and on the players are critical. Creating good visibility for fast moving objects requires sufficient contrast between the objects and their backgrounds, proper illumination levels, low glare, and even distribution of light across the playing surface (uniformity).

The Solution

An engineered photometric design was performed to ensure a successful outcome. We checked glare and light output. Then we provided exact aiming points for each fixture. Mledtech Vision Smart 150 Watt LED Recreation Area Light Series fixtures were easily mounted on the existing poles. Our LED lighting solutions deliver uniform light in the air and on the court as well as saving 65% of energy compared to the metal halide light, and significantly reduce unwanted light spill and light pollution.



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LED Sports Lighting

Enhance Athletes' Performance

The Results

After the installation, the facility manager said "Let there be light!"

Where every hit counts, uniform, no-glare light does not effect the vision of the players, the referee and the spectators. Mledtech luminaires produce a minimum of glare, spillover, and require no maintenance during outdoor winter and summer temperature extremes, through the extent of the manufacture warranty.

The new system achieved an average of uniformity of 0.76, exceeding Paddle Tennis Courts Federations standards for the facility. The level of illumination achieved allows its use for local competitions, training, school and recreational use. 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 Platform Tennis Court experience with the greatest visual comfort for the Pine Valley members. 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
Skeet

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