

# Glebe Road Park Arlington Parks & Recreation

## Case Study

Previous System:  
100 Watt Metal  
Halide Light Fixtures

Mledtech System:  
260 Watt LED Mid  
Mast Flood Light  
Series



### Customer Profile

Glebe Road Park contains tennis courts (3 courts with lights) and a basketball court (1 court with lights). A multi-use court lined for pickleball and with lights can be used for non-programmed alternative sports. Nature trails connect to Gulf Branch and Fort Ethan Allen Parks. The four-acre park also has basic amenities such as a drinking fountain and picnic tables.

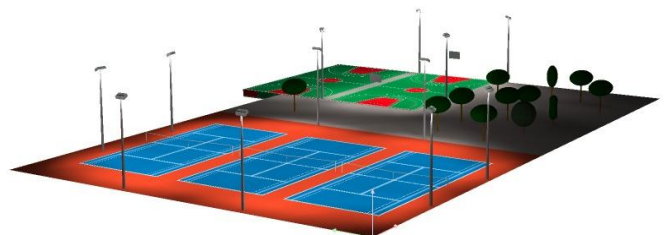
### Scope of Work

Mledtech was contacted to create a lighting design for Glebe Road Park. This project consisted of a one for one replacement of the existing 1000 Watt Metal Halide Fixtures and re-purposing the existing poles.

Tennis and basketball are both high speed sports. The lighting levels on the ball and on the players are critical. Creating good visibility for fast moving objects requires sufficient contrast to be created between the objects and their backgrounds, proper illumination levels, and even distribution of light across the playing surface (uniformity). Proper post placement and orientation are essential for good visibility.

### The Solution

An engineered photometric design was performed. We checked glare and light output. Then we provided exact aiming points for each fixture. Mledtech Vision Smart 260 Watt LED Mid Mast Flood Light Series fixtures were easily mounted on the existing poles. Our LED lighting solutions deliver uniform light in the air and on the court much more efficiently than metal halide light and significantly reduce unwanted light spill and light pollution.



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LED Sports Lighting

**Enhance Athletes' Performance**

## The Results

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

We developed a 3 to 2 replacement with our custom crossarm poles. The new system achieved an average of 50 percent light output increase and 86 percent in energy reduction. 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 260 Watt Mid Mast Flood Light Series improved Glebe Road Park experience with the greatest visual comfort for the residents who regualry use the parks public courts. 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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