

Town Tennis Club Case Study

Previous System:
16 Each 1000 Watt
Metal Halide Light
Fixtures

Mledtech System:
16 Each 260 Watt LED
Performance Flood
Lights



Customer Profile

Town Tennis Club is a private tennis facility located at 430 East 56th St, New York, NY 10022. There are three lit rooftop tennis courts at this location. Town Tennis Club's dedication to provide the best playing facility for their members led them to seek out replacement lighting fixtures. In the Spring of 2018, Town Tennis Club made the switch from traditional 1000W HID lighting fixtures to our 260W RT410FL-S Vision Smart Performance LED sports light.

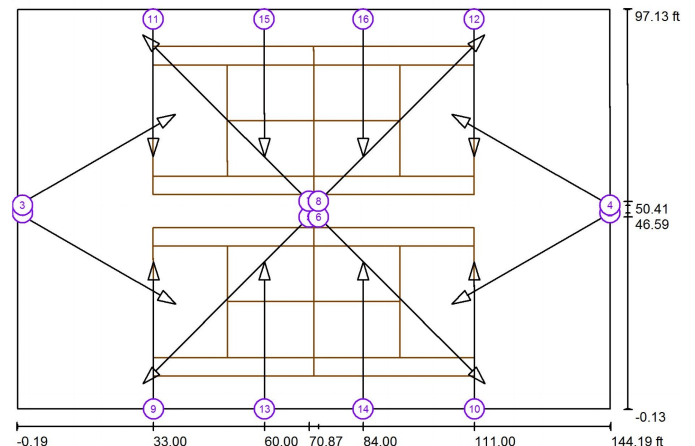
Scope of Work

This project consisted of a one for one replacement of the existing metal halide fixtures and re-purposing the existing poles. The tennis ball, regardless of its location and speed, should always be clearly visible. 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).

The Solution

Each Mledtech Vision Smart Performance RT410FL-S 260W fixtures were mounted on a custom made bracket designed to work with the existing poles. An engineered photometric design was performed and provided exact aiming points for each fixture. Along with ease and installation, this design ensured improved lighting levels, better uniformity, and control of light spillage minimizing glare.

Exterior Scene 1 / Sport Luminaires



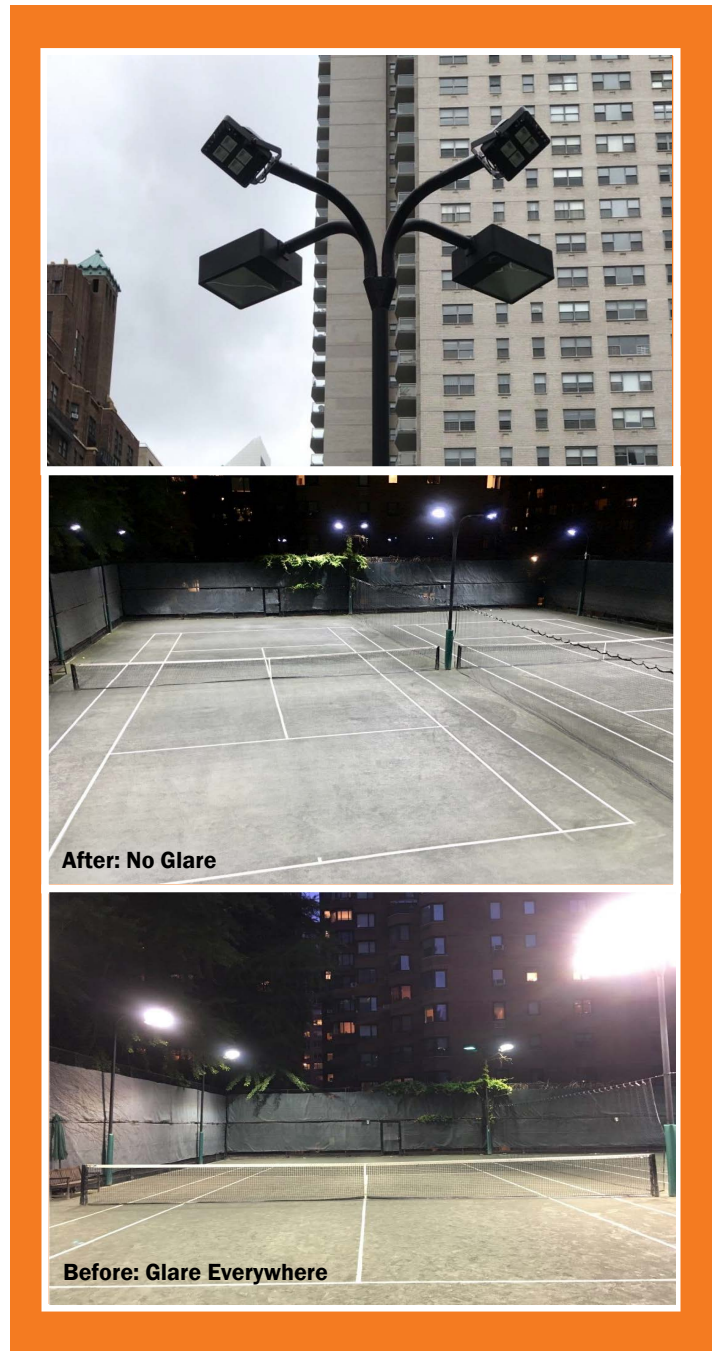
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LED Sports Lighting

Enhance Athletes' Performance

The Results

The new system achieved an average of 45FC and a min/ave uniformity of 0.70, exceeding International Tennis Federations standards for the facility. In addition to increasing lighting levels by 20%, this project created a quick payback for the owners by reducing energy usage by 70%.

Mledtech Vision Smart Performance RT410FL-S lighting improved the playing experience with the greatest visual comfort for the Town Tennis Club members. The advantage is clear. Mledtech products are easy to install and are backed by a 10 year warranty to guarantee the highest quality lighting in the industry.



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. Once the proposal is approved, Mledtech™ will apply on the customer's behalf for any available utility incentives. After receiving pre-approval for any utility rebates, the engineering needed to finalize the procurement order will be completed and procurement started. Mledtech will work with the customer's contractor to provide them with detailed computer aiming points which can be set while on the ground. Upon completion of the construction, we will perform an as-built light level diagram and compare that to the photometric study to insure that predicted light levels and uniformity are achieved. Adjustments will be made to aiming, fixture output, etc. until the as-built light levels meets those predicted by the photometric study.



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LED Sports Lighting



Tennis Courts



Recreational
Facilities



Ice Rinks



Football
Stadiums



Race Tracks

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