

# The Frisch School

## Case Study

Previous System:

400 Watt Metal

Halide High Bays

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System: 150 Watt

LED High Bays

Light Series



### Customer Profile

The Frisch School is a coeducational yeshiva high school located in Paramus, New Jersey, United States. Founded in 1972 it adheres to the tenets and practices of Modern Orthodox Judaism. There are 25 athletic teams and seven athletic clubs in total. More than 70 percent of students participate on one or more of the sports teams and clubs.

### Scope of Work

Mledtech was contacted to create a lighting design for two gymnasiums at The Frisch School. This project consisted of a one for one replacement of the existing 400 Watt Metal Halide High Bay Fixtures.

Gymnasiums can be used for multiple sports and a variety of other events. That's what makes LED lighting such a great choice for these spaces.

LED lighting in gyms and other indoor fitness centers can have a dramatic effect on participants' experiences. Bright, high lumen output with minimal glare also gives users the clarity needed to shoot the ball into the basket or follow the action on the court.

### 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 150 Watt LED High Bays Series Light 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. The lifespan of LEDs generally exceeds 50,000 hours compared to a traditional metal halide lifespan of 18,000 hours.



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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 shot counts, uniform, no-glare light does not effect the vision of the players referees and spectators. Mledtech luminaires produce a minimum of glare and spillover. LEDs will never buzz, you will never face that annoying issue that other technologies will do, not even near the end of it's lifespan. Buzzing or flickering lights can cause annoyance and less focus, which is not good for a gymnasium environment.

The new system achieved an average of 94 Foot Candles and an energy reduction of 68 percent. 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 High Bays Light Series fixtures improved the gymnasium experience with the greatest visual comfort for the students at The Frisch School. The advantage is clear. Mledtech products produce the highest quality lighting in the industry backed by a seven 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  
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Ice Rinks



Football  
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Basketball  
Courts

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