



Westinghouse



GYMNASIUM

WILLIAM PATERSON UNIVERSITY

Wayne, New Jersey

BENEFITS

Energy Savings: **50%**

Light Increase: **25%**



PROJECT BACKGROUND

William Paterson University in Wayne, New Jersey has a 28,000 square foot gymnasium that was lit with standard 400 watt metal halide fixtures. Over time, the light output of the lamps deteriorated dramatically, leading to an improperly lit basketball court. Also, the electricity bills were high because when the gymnasium was unoccupied, the lights were kept on to avoid the lengthy delay between turning the lights on and reaching full light output.

THE WESTINGHOUSE SOLUTION

William Paterson University partnered with Westinghouse Lighting Solutions to relight their poorly lit gymnasium. To provide the even light levels the University wanted, Westinghouse created a 4-lamp T5HO system with a wide beam reflector. To shield the lamps from the impact of an errant ball, Westinghouse included protective wire guards.

RESULTS

William Paterson University was surprised to learn that not only did Westinghouse increase the light levels, they actually reduced energy consumption of each fixture by 50%. From a mounting height of 32 feet, Westinghouse was able to provide almost 40% more light on the court by replacing a 465 watt metal halide fixture with a 234 watt Westinghouse T5HO fixture.

Additionally, Westinghouse's fluorescent system uses a rapid start ballast, which starts the lamps in less than one second. This results in further saving for William Paterson by allowing the University to turn the fixtures off when the gymnasium is unoccupied. Turning off the fixtures for just an hour a day saves the University approximately \$500 a year.

"William Paterson University was a great lighting project for Westinghouse Lighting Solutions. We were asked to provide a solution to a lighting problem, and we ultimately delivered the right light with thousands of dollars of annual energy savings on top. It's like getting whipped cream without asking," said Jay Goodman, managing director, Westinghouse Lighting Solutions.

“We are very pleased with our new lighting system provided by Westinghouse Lighting Solutions. Not only were we able to achieve the improved light levels that we needed, but we also got a 50% energy reduction savings as a bonus.”

– Raj Vohra,

Associate Director of Physical Plant Operations,
William Paterson University

PRODUCT FEATURES & BENEFITS

• Precise Optics & Advanced Reflector Technology

Customized reflector systems offer numerous beam spreads, which allow for the perfect solution based on the specific area and location to be lighted.

• Light Weight Aluminum Body

The aluminum body contributes to optimal thermal management of the ballast and the lamp.

• Snap Down Ballast Cover & Lock-in Mounting Bracket

Proprietary easy-access ballast design; no need for tools or to remove the lamps and reflectors to access the ballast. The mounting bracket provided allows for a quick install of the products.

• Instant On – No Buzzing or Flickering

No downtime due to power outages.

CASE PROFILE

William Paterson University is one of nine state colleges/universities in New Jersey. The university has 10,970 students, employs 350 full-time faculty members, and has more than 50 academic programs through its five colleges. William Paterson's Rec Center is an all-inclusive recreational facility that includes the 28,000 square foot basketball gymnasium, an exercise machine room, and various other recreational services.

You can be sure...if it's Westinghouse 

For more information call 1-877-445-5900 or email info@NationalEnergy.biz