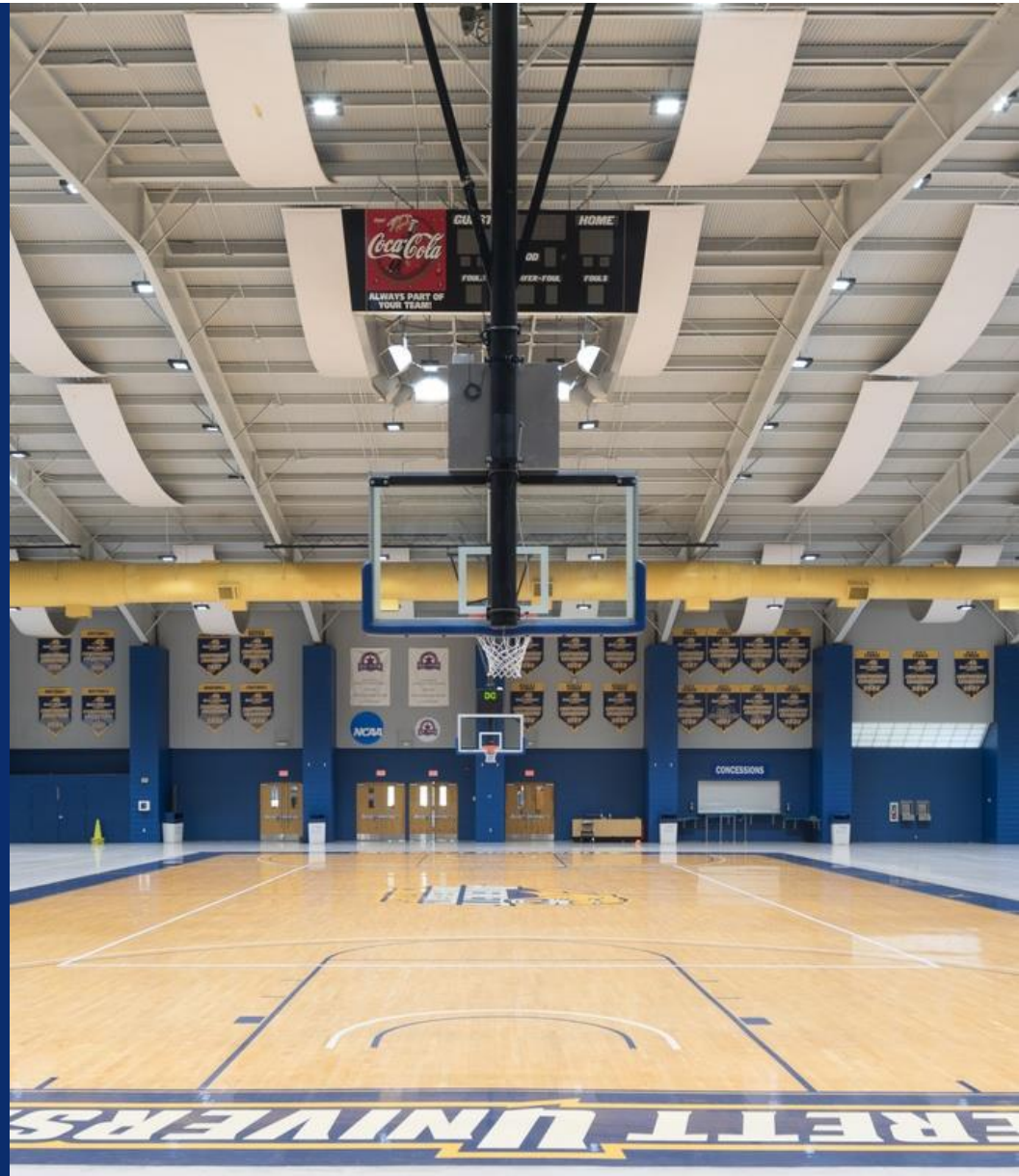


AVERETT UNIVERSITY

DANVILLE, VA

LED LIGHTING PROJECT SUCCESS STORY

Delivering energy efficiency, safety, and measurable savings across the Grant Center gymnasium and arena parking lot.



Averett University
Higher Education | Danville, VA



Proven Results



Sustainable
Impact



Measurable Value



Campus Ready

EXECUTIVE SUMMARY

US Lighting Systems partnered with Averett University on a two-phase LED lighting upgrade: a full retrofit of the Grant Center gymnasium's high-bay fixtures, followed by a redesign of the exterior lighting surrounding the arena parking lot. Together, the projects improved visibility, safety, and energy performance across the university's athletic facilities.



111 FIXTURES RETROFITTED

High-bay fixtures replaced with American-made LED technology in the Grant Center gymnasium.



\$78,207 NET PROJECT COST

Grant Center retrofit cost after \$7,877 in utility rebates and incentives.



10-YEAR WARRANTY LED SOLUTION

Cireon Ventura high bays with proprietary optics, paired with a Synapse SimplySNAP lighting controller.



TWO-SITE CAMPUS PARTNERSHIP

US Lighting Systems upgraded both the Grant Center gym interior and the adjacent arena parking lot.

AT A GLANCE



226,953 kWh

ENERGY REDUCED
ANNUALLY (GRANT CENTER)



\$36,677

COMBINED ANNUAL
SAVINGS (BOTH PROJECTS)



77%

ENERGY REDUCTION
(GRANT CENTER)

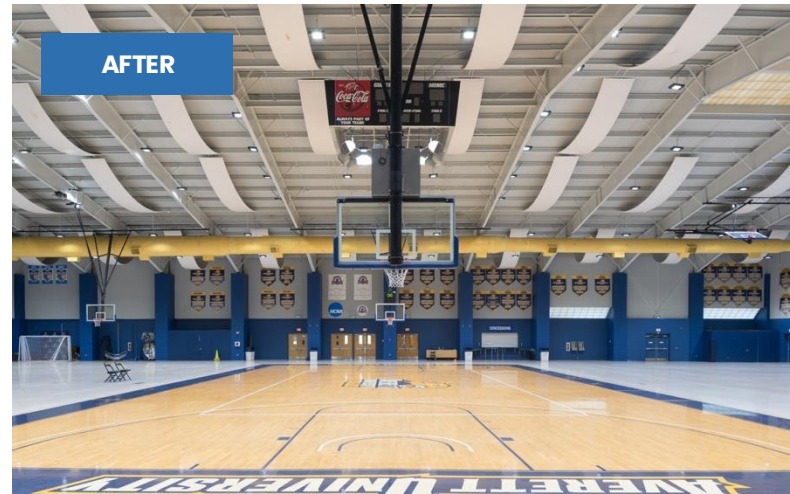
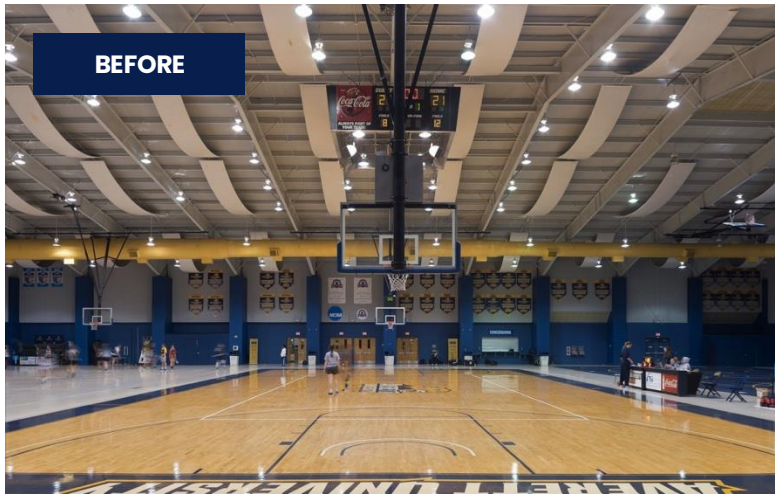


3.0 Years

PAYBACK PERIOD (GRANT
CENTER)

GRANT CENTER GYMNASIUM

One of Averett's main attractions, Grant Center gymnasium hosts major sporting events and was in need of an LED upgrade. US Lighting Systems designed a custom photometric layout to ensure even, reliable lighting across the court.



\$23,000+ Annual Savings

Nearly \$23K in yearly energy savings; \$24,677 in proposal-modeled energy savings alone.



111 High-Bay Fixtures

Cireon Ventura LEDs replaced 111 metal-halide high bays, cutting demand from 50.8 kW to 15.8 kW.



77% Energy Reduction

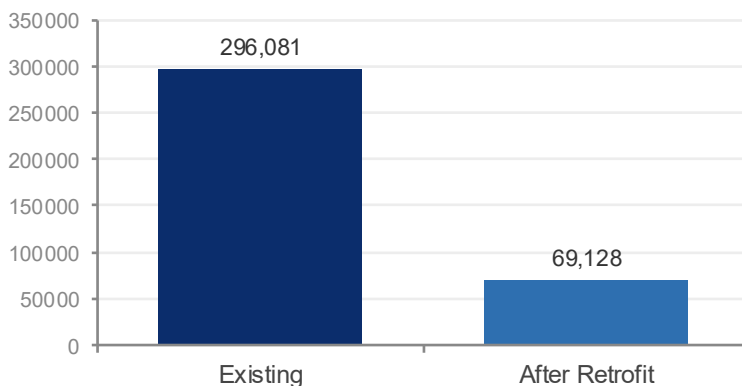
Foot-candle levels increased over 25% while energy cost dropped 75-77%.



Synapse SimplySNAP Control

A site controller now manages every light in the building for scheduling and energy savings.

ANNUAL ENERGY USAGE (kWh)

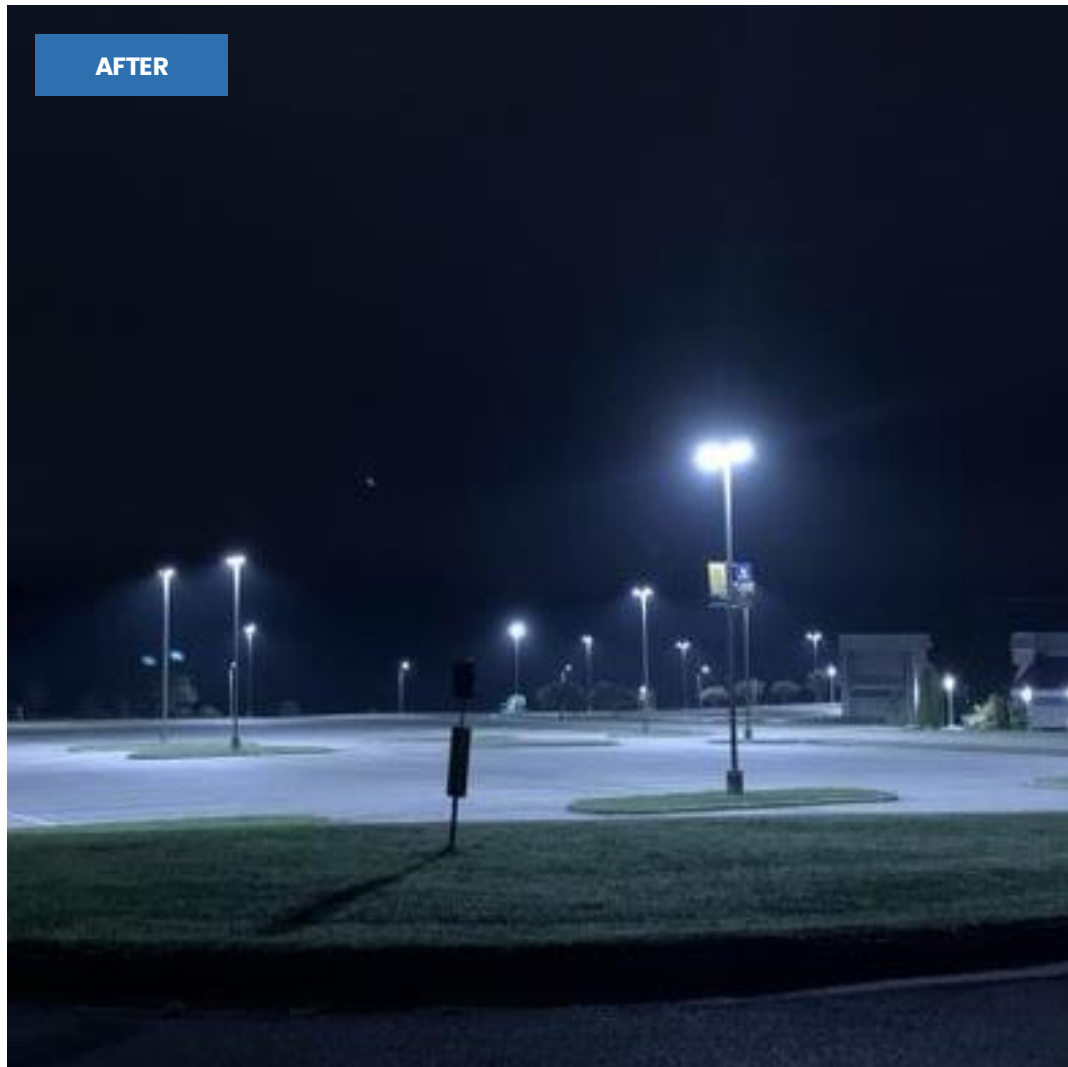


GRANT CENTER FINANCIAL SNAPSHOT

Net Project Cost	\$78,207.01
Annual Energy Savings	\$24,677
Total Annual Savings	\$25,993
Simple Payback	3.0 Years
10-Year Lifecycle Savings	\$259,929.29
Return on Investment	232.36%

ARENA PARKING LOT & EXTERIOR LIGHTING

After completing a successful interior lighting project, US Lighting Systems was asked to look at the exterior lighting surrounding Averett's arena. Extreme pole spacing had created heavy shadows and dark spots, raising safety and security concerns.



KEY RESULTS



\$12,000 in Annual Savings

Estimated yearly energy savings from the parking lot and arena exterior retrofit.



Even, Uniform Field of Light

Proprietary optics distribute light into areas that were previously shadowed or dark.



Improved Safety & Security

Students and staff now have a safer, more secure environment walking to and from the arena.

"Safety and security were a big concern. The result was creating a completely even field of light."

ENVIRONMENTAL IMPACT & TURNKEY PARTNERSHIP

The Grant Center retrofit alone reduces energy use by 226,953 kWh per year — a meaningful environmental benefit — while US Lighting Systems managed every phase of both projects from design through installation.

ANNUAL ENVIRONMENTAL IMPACT EQUIVALENTS — GRANT CENTER RETROFIT



4,091

Tree seedlings grown
(carbon sequestration equivalent)



351,742 lbs

CO₂ saved annually
(leading cause of global warming)



33.7

Cars removed from the road
(annual equivalent)



150.5 acres

Of forest sequestration
(1-year equivalent)

TURNKEY PROJECT MANAGEMENT

Materials & Equipment

Full sourcing and ordering of all fixtures, controls, and equipment.

Labor Supervision

On-site oversight throughout installation at both sites.

Disposal & Recycling

Responsible removal of existing fixtures, lamps, and ballasts.

Minimal Disruption

A crew of 2 installers completed the Grant Center retrofit in about 2 weeks.

FACILITY IMPROVEMENTS

Improved Visibility

Brighter, more even lighting across the gym floor and parking lot.

Uniform Light Field

Proprietary Cireon optics eliminate shadows and dark spots.

Safer Environment

Improved safety and security for students, staff, and visitors.

Centralized Control

Synapse SimplySNAP controls and schedules every light in the building.

INCENTIVES & WARRANTY

\$7,877 Utility Rebate

Rebate secured for the Grant Center gymnasium retrofit.

Rebate Administration

Utility incentive program pre-approval and paperwork handled in full.

10-Year Warranty

American-made LED fixtures, including a labor allowance.

Long-Term Support

Lower future maintenance costs and post-install warranty servicing.

One partner, two campus upgrades — delivering a brighter, safer, more efficient Averett University.