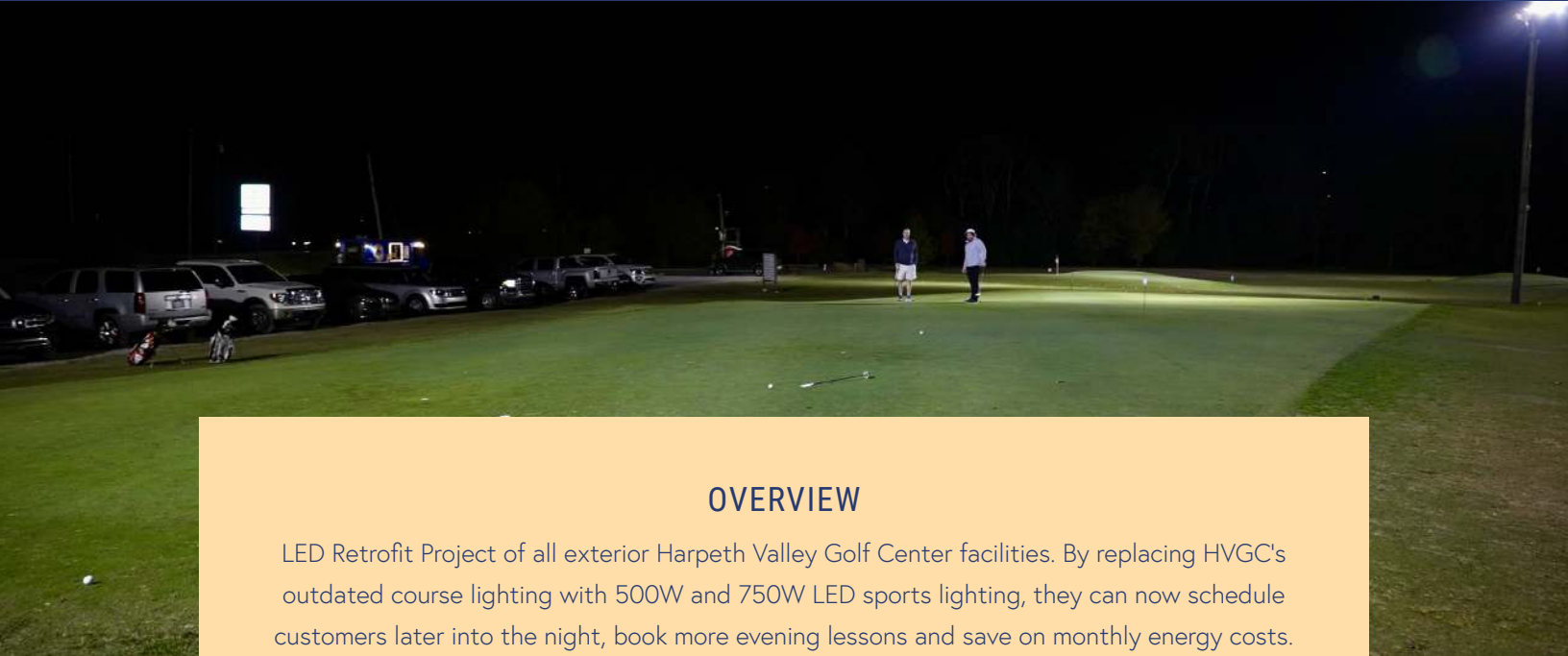


Harpeth Valley Golf Center



OVERVIEW

LED Retrofit Project of all exterior Harpeth Valley Golf Center facilities. By replacing HVGC's outdated course lighting with 500W and 750W LED sports lighting, they can now schedule customers later into the night, book more evening lessons and save on monthly energy costs. New lights were the perfect way for them to capitalize on the recent boom in golf's popularity.

CHALLENGE

To successfully install a cost-effective lighting retrofit project aimed at substantially increasing nighttime usage at a bustling Nashville-based golf center.

Need 1: Increase quality and quantity of light throughout the exterior practice areas and parking lots so to maximize revenue during evening hours

Need 2: Improve the safety and security of employees and patrons across all outdoor areas of the facility

Need 3: Reduce dark sky light pollution into the sky and surrounding business and residential areas

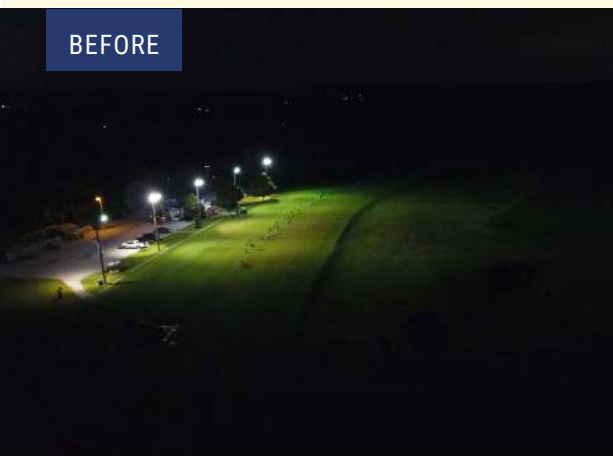
Need 4: Reduce energy consumed to run facilities at night

Need 5: Eliminate lighting maintenance expense

SCOPE OF PROJECT

In total, 20 existing 1000W metal halide fixtures were replaced with 10 500W and 10 750W LED sports lights. Additionally, 23 500W LED sports lights were added to the practice facility along with 2 additional 50-foot poles. Finally, 6 parking lot lights were converted to 200W LED fixtures. The newly installed lighting system reduced the energy consumption demand by 125 Kilowatt-Hours.

BEFORE



AFTER



Harpeth Valley Golf Center

FIXTURE TYPE	FIXTURE DESCRIPTION	WATTAGE/EFFICIENCY	QUANTITY
LED Sports Light	500 watt LED Sports Light Fixtures, 120-277V, 5000K	500W, 130 lm/W	33
LED Sports Light	750 watt LED Sports Light Fixtures, 120-277V, 5000K	750W, 130 lm/W	10
LED Parking Lot Area Light	200 watt LED area light, 120-277V, 5000K	200W, 160 lm/W	5

The Helios Energy™ Impact

Harpeth Valley Golf Center is projected to save 35% on energy and eliminate maintenance costs for the next 10 years, while doubling the number of golfers practicing their game at night.

Delivered foot candles to the driving range were increased by 400%+ and area coverage of the range was essentially tripled, as evidenced in the Photometry rendering. This additional lit space has had a direct impact on customer and revenue flow. More importantly, the entire chipping range and putting greens are now well lit when, prior to installation, they were completely dark. With the completion of this project, in a time where golf, a socially distant sport, is booming, HVGC's business is up 100 percent.

TESTIMONIALS

"Golf as an industry has done well this year because it's a socially distant sport. Helios' lights helped this place become a first-class range right as more people want to practice the sport than ever before. The golf business in general is up 40 percent, and my business is up 100 percent."

– STAN SMOOT, Owner HVGC

"Most sports fields are under-illuminated, and the technology used on golf courses is inefficient. Our LED lighting at Harpeth Valley gives golfers the ability to see the full trajectory and distance of the ball flight, similar to what they experience during the day, but at night. That's a game-changer. The difference truly is night and day."

– CHRIS NELSON, founder Helios Energy and HVGC Patron

Harpeth Valley Golf Center

ABOUT OUR CLIENT

Harpeth Valley Golf Center is Nashville's premier golf learning center. Situated along the Harpeth River and greenway trail, the facility features a fun 9-hole, par-3 golf course that is perfect for beginners and experienced players alike. Along with the course, Harpeth Valley offers a driving range, practice chipping and putting greens, lessons from the Stan Smoot Golf School, a fully-stocked pro shop and club repair.

