



Case Study

Texas A&M University

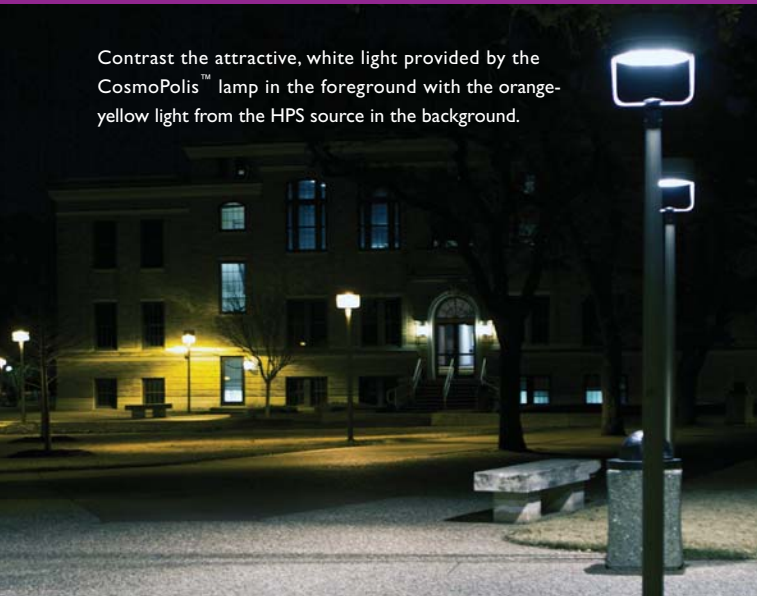
Location
Philips Gardco

College Station, TX
Retrofit Kit with 90w CosmoPolis™

PHILIPS



Contrast the attractive, white light provided by the CosmoPolis™ lamp in the foreground with the orange-yellow light from the HPS source in the background.



Project info

Customer

Texas A&M University

Location

College Station, Texas

Philips Gardco products

90w CosmoPolis™

Gardco CPI 7 Luminaires

Background

Texas A&M University, located in College Station, Texas, is a 5,000 acre campus and is home to nearly 50,000 students. In 2009, the campus administration decided that new area lighting was needed for some of the main thoroughfares. The criteria for selecting a new lighting system was not only based on the desire to save money by investing in more energy-conscious systems, but also on changing the overall look and feel of the campus lighting.

The Challenge

At the time, the majority of the lamps being used were High Pressure Sodium, which produce an orange-yellow light. Although the campus was lit to adequate levels, many felt that they could not see comfortably. The combination of needing a more energy and cost-efficient lighting system and wanting to provide a safer, more comfortable feel to the campus led the university to work with Mark Myers of Lighting Associates in Houston, Texas and Philips Gardco, based outside of Austin, TX.

Myers said "Initially the university was looking into LED systems. LED was perceived by Texas A&M to be the newest and "greenest" option." After looking at many different systems, the University felt that LED was not the right fit for them. Not only was it cost-prohibitive, but the color was not where they needed it to be, and they were just not seeing the energy savings they expected.

The Solution

Myers and Gardco suggested the Philips CosmoPolis™ lamp and electronic ballast system as an alternative. The CosmoPolis™ promised everything for a complete solution - lower energy requirements, cost savings, a smaller carbon footprint, long life and a clean, white light. As an added bonus, the CosmoPolis™ provided all of this as a retrofit, allowing Texas A&M to save money by utilizing their existing Gardco luminaires. Gardco developed an

optical assembly that married with the CosmoPolis™ components. After much research, they found that the CosmoPolis™ system far exceeded LED for this particular application.

When it came time to install the new system, the process went very smoothly. Philips Gardco provided an easy-to-install kit consisting of a unified ballast tray, complete reflector system and lamp.

Ronald Russell, from Britt Rice Electric in College Station, supervised the project. According to Russell, "The retrofit installation process was simple. This is a well designed and well thought-out system. It took us 17 minutes per luminaire to retrofit. Overall, this was a slick operation."

Benefits

Not only did the installation process go smoothly and quickly, Texas A&M was impressed with the energy savings that they received. At the university's request, Philips Gardco ran energy calculations on the CosmoPolis™ system and the results were impressive.

Myers summed up the job quite simply, "LED wasn't proving to be everything our customer needed for this specific job. I suggested we look at the CosmoPolis™. Right off the bat, they completely embraced the lumen output of the lamp. Texas A&M really liked the idea of staying with a traditional light source, especially one that wasn't affected by the heat, since this is an area that can get extremely hot for a good portion of the year. They quickly saw that this was the right pedestrian lighting for them".

Texas A&M University is very pleased with the solution provided by Philips Gardco and Lighting Associates. Currently, the university is converting all pedestrian and parking lot luminaires to CosmoPolis™ or the higher wattage MasterColor® Elite systems and Philips Gardco remains the campus standard for outdoor lighting.

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Ronald Russell, Job Site Supervisor, Britt Rice Electric,



90w CosmoPolis™ vs. 150w HPS

System Wattage

150 HPS: 190 watts

90w CosmoPolis™ : 99 watts

Number of Luminaires: 1

Burning Hours per Day: 12

Annual Energy Cost

Energy Rate: \$.10

150 HPS: \$ 83.22

90w CosmoPolis™ : \$ 43.36

Annual Energy Savings: \$ 39.86



Philips Gardco Warranty

Gardco Retrofit Kits feature a 5 year limited warranty on CosmoPolis™ ballasts, a 3 year limited warranty on MasterColor® Elite ballasts and a 2 year limited warranty on lamps for both systems. For full warranty information please visit sitelighting.com.

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