

Case Study - Retail

Meyerland Plaza

Houston, TX



A commercial real estate assets manager lowered energy and maintenance costs by **\$59,268 per year** by installing XtraLight Viento High Output Site & Area Light luminaires at Meyerland Plaza.

- **New light levels significantly contribute to a more comfortable and safe environment.**
- **Viento Site & Area luminaires eliminated the large quantity of metal halide flood lights that burned 559,824 kilowatts per year.**
- **Lighting controls also provide complete management over lighting.**

The Opportunity

Being proactive about cutting edge technology is one way this commercial real estate assets manager created an experience that keeps shoppers coming back to one of the most exceptional retail areas in Houston. One variable of their winning equation is lighting, an essential part of the experience and vital for shopper safety at night. When they went looking for a solution to light the 960,000 square foot location, they found a partner in XtraLight.





Our Solution

After an on-site audit, it was determined that the Viento luminaire would be the best solution for this parking lot application. The Viento luminaire sets the stage for the next generation in illumination performance for site and area lighting applications. Masterfully engineered, the Viento was designed specifically to leverage the optical and thermal characteristics unique to LED technology. Overall, 129 Viento Medium Site & Area luminaires were installed to replace 226 metal halide flood lights.



Benefits

The new system has tremendous operating advantages over the existing lighting, leading to a **significant payback in just over one year**. The Viento luminaires use less wattage, have a longer rated life, better color rendering and will have less lumen depreciation over time. This means they will see a greater reduction in labor and rental equipment cost needed to change lamps and ballast, as well as material cost.

In addition to their cost savings, the company has created a positive impact on the environment. By partnering with XtraLight, this lighting project immediately reduced electrical consumption, which reduces annual carbon dioxide (CO₂) emissions by 722,840 lbs., sulfur dioxide (SO₂) emissions by 2,837 lbs., and nitrogen oxide (NO₂) emissions by 1,393 lbs. This spares an equivalent of 337,776 lbs. of coal burned annually to make electricity and either 90 equivalent acres of forest added or 63 cars equivalent removed from the road.



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