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# The new LED lighting dramatically enhances spaces without windows, creating an engaging and inviting learning environment for students.

Veronica Hernandez | Principal of Humble Elementary



### THE OPPORTUNITY

The issue at Humble Elementary was glaring, quite literally. Imagine entering a classroom where students are squinting to read beneath a buzzing fluorescent light that casts an uneven, flickering glow across their books. Like many schools built decades ago, they had a problem hiding in plain sight: their lighting. In classrooms where minds should be energized, teachers are adjusting to poor visibility. Places designed for collaboration, like the cafeteria and the library, felt less welcoming. Highly trafficked hallways felt dim and obscured.

Outside, it was more serious. The parking lot lighting was almost non-existent and no longer kept pace with the school's needs. Evening events meant navigating dimly lit areas, raising more concerns about safety and security.

Administrators recognized that the school needed more than a technology upgrade; it needed a transformation. Beyond energy savings, students deserve a better environment for learning, productivity, and safety. LED lighting would be that catalyst.



### THE BENEFITS

The upgrades at Humble Elementary are transforming more than just the lighting and are reshaping the entire learning environment. With US LED's ultra-long-life solutions replacing outdated technologies, the school is projected to cut annual lighting energy consumption by as much as 70%. These dramatic savings are expected to deliver a full return on investment within 2 to 3 years, thanks to reduced energy consumption and lower maintenance costs.

In classrooms, teachers and students benefit from a more comfortable and engaging learning environment. The consistent, glare-free lighting helps **students stay focused and productive**, while eliminating the flicker and contaminants like mercury and PCBs found in older fluorescent lamps.

Outside, the difference is impossible to miss. Parking lots and perimeters shine brightly, welcoming families and staff with more comfort and security. With sustainable LED technology and a healthier, more inviting environment, Humble Elementary's investment in lighting is already paying dividends for today and well into the future.

#### THE SOLUTION

Humble ISD set a high bar, seeking a partner that could deliver both quality lighting and unwavering reliability. Every vendor was evaluated against strict standards, including the ability to work seamlessly with Unify Energy Solutions. US LED's ultralong-life solutions and commitment to hassle-free installation immediately captured the district's attention and won its trust.

Inside the school, outdated fluorescents were replaced with L-Grid® flat panels featuring selectable CCT and Star-T8 UL Type B LED lamps. The upgrades provided bright, uniform illumination to classrooms, hallways, offices, the library, and other critical areas. Outside, inefficient metal halide parking lot fixtures were replaced with Dorado XLE Plus area lights, resulting in a dramatic transformation. The remaining exteriors were upgraded to QubePAK4 wall packs and L-Grid 1x1 canopy lights, dramatically improving safety and visibility.

Every new solution installed is backed by **US LED's industry-leading Ten-Year Warranty**, giving the district peace of mind and assurance of long-term performance.







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