



Corporate - Office

KTRK-TV ABC13

Retrofit Lighting Upgrade

Lights, camera, savings! By making the decision to go with US LED™ lighting, KTRK-TV invested in long-term energy saving solutions that transformed their studios and reduced their operating costs.

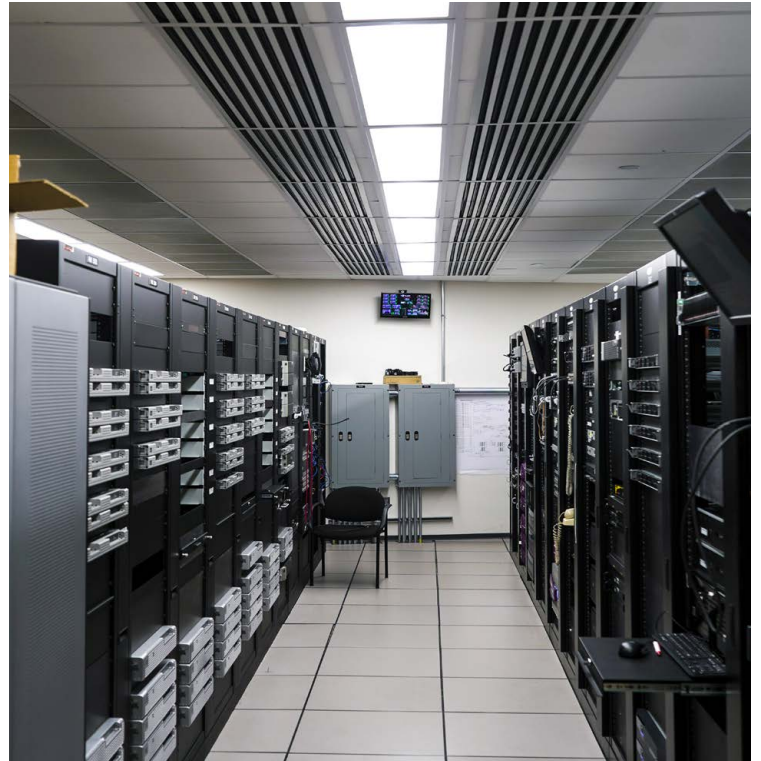
US LED™
Always the Right Choice!



The Opportunity

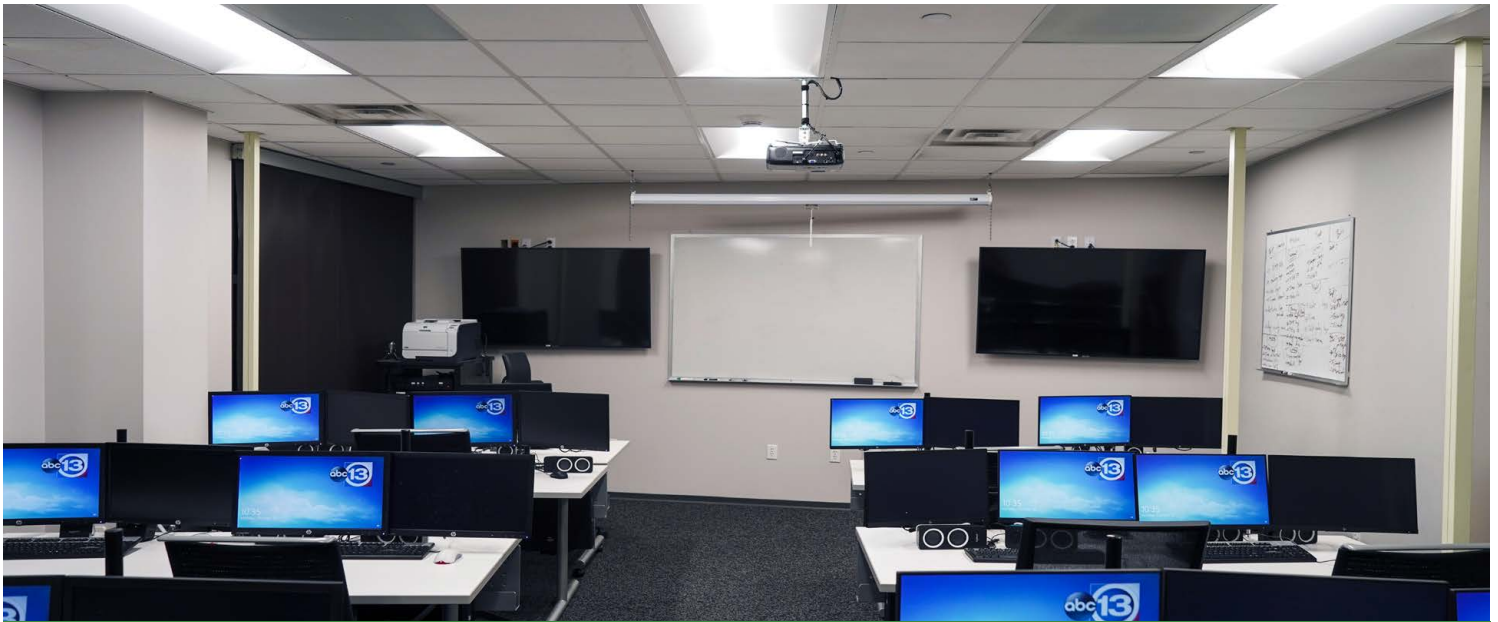
KTRK-TV is an ABC owned-and-operated television station (subsidiary of The Walt Disney Company) that's been proudly broadcasting in Houston, Texas since November 1954. Drawing from its early history in news coverage, KTRK-TV has had heavy emphasis on reporting on local stories over the years and has built a reputation that's highly respected in the community. Having popular personalities and the some of the most experienced news teams has propelled KTRK-TV to much success in the Greater Houston market during its existence.

As of 2020, KTRK-TV is the only major network affiliate in Houston that continues to occupy its legacy studios from the 20th century. So its no surprise when their Vice President of Technology and Chief Engineer was working on ways to implement improvements to their facilities to better serve their audience, they concluded that new lighting would be a major factor for operational efficiency. Over time, the existing fluorescent lighting in the studios, newsroom, offices, and common areas had suffered from degraded performance or had completely malfunctioned. The newsroom especially was dark and a safety hazard when they weren't on the air. KTRK-TV sought to find a reliable partner to retrofit the legacy lighting system to energy-efficient LED technology. What were their primary goals? Improve light levels, virtually eliminate maintenance, and reduce annual energy consumption.



The Solution

After vetting vendors, KTRK-TV chose to partner with the lighting experts at **National LED**, who is a Walt Disney Company-Approved Supplier. Working collaboratively with **US LED**, they created a lighting solution that would work best for the 66-year-old station with minimum interruption to operations. US LED's **TDK LED troffer retrofit kit** (30W each) was chosen for offices and the server room, the **PJF1 LED linear strip** (35W each) was used for common areas, and the **DG2 LED linear strip** (42W each) was used in the studios. Overall the team was able to replace over 840 fluorescent tube fixtures throughout the facilities with half as many LED luminaires. With improved illumination, ultra-long product lifetimes, and more footcandles hitting the ground, employees can see their tasks in greater detail while the company saves energy. The new LED luminaires also eliminate the need for lighting maintenance and fluorescent tube disposal services.



70% Lower Energy
Affiliated With The Lighting System

Up To 161,000 Hours
L70 Product Lifetime

10 Years
Industry-Leading Warranty

The Benefits

With their new lighting installed, KTRK-TV's vision to be the best at delivering local news has never been brighter. The news studio is now properly lit regardless of whether they are on the air or not, with 35+ footcandles hitting the ground. The improved quality of illumination has been received well by visitors and has made a noticeable impact to employee activity and morale. Prior to the LED upgrade, employees working in the newsroom or in other common areas had problems focusing on their tasks. KTRK-TV has now seen an increase in employee productivity because of the improved lighting and will benefit from a 70% reduction in annual energy usage affiliated with their lighting system alone. Thanks to US LED's ultra-long product lifetimes, the LED lighting system will perform at a high level for decades to come and eliminate all maintenance associated with lighting so that staff can focus on other critical areas. As KTRK-TV's growth as a news-focused organization continues, it is certain to build on the foundation it has established: a facility with leading-edge technologies and outstanding people with the talent and drive to be the best in the news industry.

About US LED

For over 18 years, US LED has been manufacturing a diverse portfolio of LED lighting solutions for commercial and industrial applications. Because of our early history in LED lighting, US LED has decades of engineering expertise to continuously offer ultra-long-life luminaires that approach or exceed 200,000-hour L70 lifetimes and are backed by an industry-leading Ten-Year Warranty. Many of our lighting products are assembled in our plant in Houston, Texas.

About National LED

National LED specializes in commercial LED lighting for interior and exterior applications. They offer simple turnkey solutions for delivery, sales, and service. As a customer-centric lighting solutions company, their experts will keep you smiling throughout the entire process.

US LED Products Featured

- TDK LED Troffer Retrofit Kit
- PJF1 LED Linear Strip
- DG2 LED Linear Strip

Find more case studies at: www.usled.com/case-studies

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