

Large Grocery Logistic Center

Grocer achieves improvements in logistics and safety with LightEdison solution.

LightEdison implemented a comprehensive and model LED lighting solution with South Texas Solar.

Challenge

This large Texas grocer owns a warehouse site in a 1960s-era building in downtown San Antonio. The building houses the logistics and inventory operations for their stores. Employees were having many challenges due to the low light conditions that existed throughout the facility; caused by insufficient lumen output and only made worse by frequent lamp failures and improper color temperature. Workers were noticing increases in mistakes in stocking and pulling inventory and had noted several safety issues caused by the current legacy lighting system that were concerning management and adding unneeded costs to the operation.

Solution

LightEdison specified and installed 786 retrofit kits, 9 replacement fixtures and 5 replacement lamps; dramatically increasing ambient light levels and immediately improving worker productivity and safety. Color temperature was corrected from the existing 2700K to a more appropriate level of 4100K for a commercial working environment. With an expected working life of over 15 years, the burden on the maintenance staff was eased allowing them to focus on improving other areas of the facility. By simultaneously cutting down on workflow errors while also reducing safety incidents, positive



impacts to the operational budget were maximized. In addition, worker morale and energy improved with the correction of color temperature and color rendering. Overall, lighting energy use was reduced by more than 58%, while still achieving significant increases in illumination.

Results

Ownership has avoided paying a net \$538,047 in direct lighting costs over the next 10 years. These benefits are marginal compared to the increased safety and improved facility efficiency that can now be realized.

Testimonial

"LightEdison had an extremely tight timeline on this project that had no room for error with a key client that we have been working with for 3 years. They delivered the proposed LED lighting retrofit solution on-time and on-budget, and our client was blown away with the result."

- James Hiebert, Owner, South Texas Solar – LightEdison Channel Partner

