

AEI Lighting Provides Annual Energy Savings For Fossil At Dallas Distribution Center



A ■ E ▲ I

2000



**AEI Lighting's
T5L 454P w/sensor**



**AEI Lighting's
T5L 554 654 854 Family**

6000



Innovative Designs By AEI Help Fossil Achieve A 1.7 Year Payback & \$65,000 Energy Rebate

Fossil Center's Aisles Lit By AEI's T5L-454P

Fossil is a major manufacturer and distributor of watches and accessories. The Fossil distribution center in Dallas, TX had existing 1000-Watt metal halide in open areas and 400-Watt metal halide aisle lighters in pallet rack aisles. Reducing energy costs in the Fossil facility while maintaining lighting quality was the challenge. For pallet rack aisles, AEI's T5L-454 fixtures were installed with factory-set occupancy sensors that turn the fixtures off when no one occupies an aisle for over 10 minutes. Light levels after the AEI conversion are up 100% compared to those of the old 400-Watt system. When the AEI lighting system is on, it provides 50% energy savings, with an additional load-reducing, money-saving option provided by AEI's occupancy sensors that provide 'lights out' in aisles up to 75% of the time.



AEI Lighting's T5L-854P High Bay Fixture Used For Center's Open Areas

For the open areas of Fossil's distribution center, AEI provided its T5L-854 mono point mounted fixtures as a replacement one-for-one with the 1000-Watt high-bay fixtures. Once AEI's fixtures were installed, the open areas had better uniformity and color due to the higher CRI of the fluorescent light. AEI's new T5L-854 system provided an energy savings for Fossil of 640 Watts per fixture for the open areas and 230 Watts per fixture for the aisles, not including occupancy sensor 'lights out' watt savings. The installation of AEI Lighting's fixtures yields an annual energy savings for Fossil of \$142,800 and qualified for a \$65,000 utility rebate!

Fossil Dallas Distribution Center's Equipment & Savings Summary

- 1,000-Watt metal halide fixtures were replaced with AEI Lighting's T5L-854 fixtures in open areas & AEI's T5L-454P in aisles areas, both with occupancy sensors
- Light levels on the floor up 100% compared to old 400-watt system
- Fossil's center energy usage (lighting load) reduced by 50%, saving \$142,900 / year