

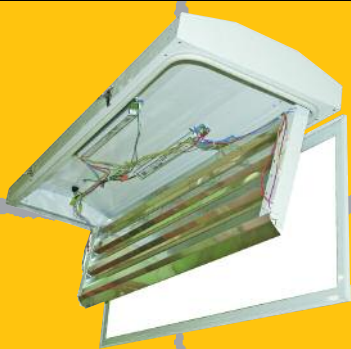
Kroger & Ralph's Grocery Turn To AEI Lighting To Reduce Lighting Loads By Over 50%



AEI Lighting's Cold Storage Customized TT5



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AEI Lighting's Cold Storage T5 & T8FR 454-654



AEI's Innovative Solution Reduces Energy 40% In A Temperature-Sensitive Environment

Ralph's Grocery • Riverside, CA **1-T0-1: Custom TT5 Replaces Metal Halide**

Milk & Juice Processing Plant

Ralph's Grocery, a division of Kroger, required more light in its 30,000 square-foot milk and juice processing plant. The processing plant was originally built with surface-mount, stainless steel 400-Watt metal halide fixtures. As a solution for Ralph's, AEI Lighting designed and fabricated a Himax surface mount 2x2 kit that utilized four T5 55-Watt twin-tube lamps and an optical system formed from Alanod's MIRO4 reflector material. The standard architecture was replaced with AEI's fixtures featuring a swing-down compartment for easy, tool-less access to ballast and wiring. The new AEI Lighting system reduced the lighting load from 465 Watts per unit to 234 Watts per unit. AEI's design and interior architecture solution also doubled the existing foot candles, and now provides instant on and instant restrike after power interruption. With the higher CRI and consistent color from fixture to fixture, Ralph's management considers the lighting project a major success.



Ice Production & Bagging Room

For Ralph's ice production and bagging room AEI's T5L-454 fixtures were used. AEI's fixtures replaced a 400-Watt HID one-for-one, reducing the lighting load by 50%. AEI's new lighting system incorporated a gasketed lens door to maintain optimum lamp and ballast temperature in the cold environment with 5000K lamps used for a shadow-free work environment.

Ralph's Equipment & Savings Summary

For Ralph's Milk & Juice Processing Plant, 200 400-Watt metal halide fixtures were replaced by 100 of AEI Lighting's TT5-2X2S4 Surface Mount fixtures
 --Mounting Height = 30 feet above the floor
 --Footcandles on the floor increased from 26 FC to 68 FC
 --Energy usage (lighting load) reduced by 50% -- 465 Watts/unit to 234 Watts/unit

For Ralph's Ice Production & Bagging Room, 100 400-Watt metal halide fixtures were replaced one-for-one with AEI Lighting's T5L-454P fixtures.
 --Mounting Height = 30 feet above the floor
 --Footcandles on bagging floor increased from 26 FC to 68+ FC
 --Energy usage (lighting load) reduced by 50%