

Toyota's US Subsidiary, Bodine Aluminum, Chooses AEI Fixtures For Missouri Casting Plant



Before



After

Cutting Energy Costs by 50% Weighs Heavily On Bodine's Decision To Rely On AEI Fixtures

Bodine Aluminum, Toyota Motors domestic engine casting plant in Troy MO, cut energy costs 50% by upgrading their lighting system with AEI. AEI provided the solution to replace (400) 1000W Metal Halide fixtures one for one with the AEI T5L-1054 50W. The 24/7 360 plant's lighting system was converted over the holiday shut down. The plant had been evaluating the replacement of their 1000W Metal Halide system (mounted at 35 and 40 feet) for the past two years. An eight foot 12 lamp T5HO fixture was considered. AEI surveyed the facility and recommended the T5L-1054 50W as a one for one replacement. The advantages of using the T5L-1054 50W over a 12-lamp 8-foot fixture were evaluated. The T5L-1054 50W was chosen because it consumed less energy, provided equal light levels, was much easier to handle and install, had fewer lamps and ballast to maintain and had a better aesthetic considering the 25" round fixtures they were replacing.



**AEI Lighting's
T5L-1054**



Before



After

This system also had a proven track record for many years in other major corporate facilities replacing 1000W fixtures. Light levels and uniformity improved. Lamp life tripled as a result of the conversion that will result in tremendous maintenance savings over the life of the system. The instant on and instant re strike capability of the new system will prevent production loss in the event of a momentary power interruption. The installing contractor Mid America Electric commented that without the site storage and logistical arrangements made by the distributor Starbeam Supply, and the features that expedited installation exclusive to AEI's fixtures, the project could not have been completed during the time frame allotted.