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# Case Study

## Macy's Success

Macy's (Brooklyn) basement shops look a whole lot brighter, but they are saving 77%+ in energy cost over metal halide originally designed. Felix Tsimmerman of Mader, Smyth, Buyyounouski and Assoc., engineer was very pleased, along with all the folks at Macy's. They loved the use of motion sensors, to take savings from 50% for just lighting load, to the 77% level with sensors.



Everyone thinks it is the best indoor lighting system they have ever seen. While light levels were measured from 50-100 "photopic" fc's, the quality and uniformity of the system is *fantastic*. All units were put on motion sensors to save maximum amounts of energy, and reduce maintenance costs.

Programmed start ballasts keep lamp life where it belongs. A combination of V1PL50, V2PL50, and V4PL50, all having the same multi-lamp, multi-voltage ballast was used. Now only one lamp type and one ballast type are needed in maintenance inventory. **More savings!**



*Saving Energy and the Environment Since 1964*

"Quality is never an accident; it is always the result of high intention, sincere effort, intelligent direction and skillful execution; it represents the wise choice of many."