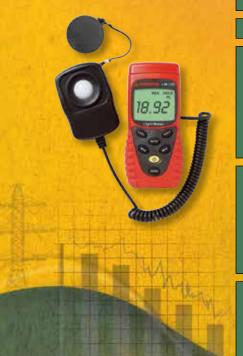


Lighting upgrade

ROI Success Story

Lighting upgrade reduced energy costs by \$51,619/year





Recommended tool

Facility type	Mixed-use warehouse, light-manufacturing
Equipment type	Incandescent lighting system
Measurements taken	 Light meter measurement of illumination levels, compared to operational requirements Power logged energy consumption at lighting supply panel before and after Compared operational schedule (when lighting needed) to power usage (how often lights turned on) over time Audited all lighting fixtures and bulb types
Problems noted	 Foot-candle variance from 14 to 104, both over and under illuminating work-area compared to operational lighting requirements No sensors, automated timers or other controls to consistently turn lights off when not in use Total of 591 fixtures consuming an average of 450 watts each
Savings	 Changed lamp type to a low watt ballast consuming an average of 300 watts each Reduced lighting system operational hours Spent \$65,366 on materials. Lowered annual energy cost by \$51,619 plus a one-time federal tax rebate of \$25,500. First year net: \$11,253. Ongoing annual savings: \$51,619

Amprobe LM-120 Light Meter