

Building Energy Asset Score: Building Upgrade Guide¹

LIGHTING SYSTEMS

Lighting upgrade considerations should include existing lighting levels (e.g., daylighting, other lighting that will stay in place) plus the lamp wattage, light output, and ballast factor of the replacement lighting. When changing lamp types, it is important to choose the appropriate ballasts. One-for-one lamp replacement can cause areas to be over lit if higher output lamps are selected; in this event, consider delamping, removing unnecessary light bulbs or fixtures, or choosing a lower ballast factor while ensuring that light levels meet applicable standards for occupancy use.

Asset Score Report Recommendations:

Upgrade to LED Lighting

Cost: \$\$

Light-emitting diode (LED) lamps continue to emerge and evolve as a promising energy-saving lighting option. More information on choosing appropriate LED lamps for your application is available from the DOE Commercially Available LED Product Evaluation and Reporting (CALiPER) Program at <http://www1.eere.energy.gov/buildings/ssl/caliper.html>.

¹ The complete Asset Score Building Upgrade Guide is available at:

https://buildingenergyscore.energy.gov/assets/energy_asset_score_recommendations_guide.pdf