

Lighting



Why Partner With Reflective Energy Solutions for Your Lighting Needs?

- Learn how to best assess your facility's lighting needs, energy consumption and health and safety requirements.
- Let our experts do the heavy lifting and recommend multiple potential solutions that match your priorities, budget and wish list!
- We research all available rebates for new lighting and LED technology, securing the greatest incentives for our customers.

Why Do a Lighting Upgrade?

- With lighting accounting for more than 25 % of the energy used in most buildings, increased efficiency can make a big difference to your monthly energy bill. Lighting retrofits not only improve the quality of light, but also result in less heat in the building envelope reducing HVAC run times. Couple this with increased longevity of lamp life and possible utility incentives to help reduce project costs, and the return on investments can be significant.
- According to the Energy Savings Cost Council, energy-efficient lighting upgrades represent the highest return on investment of any single-technology project, with an average ROI of 45 percent. These upgrades pay for themselves in as little as 2.2 years and the payback continues over the lifetime of the system through reduced energy and maintenance costs.
- LEDs are now great fits for troffers, highbays, PARs of all kinds, outdoor poles, wallpacks, highmasts and nearly every lighting application.

Utility rebates are finally catching up with new lighting and LED technology, so the incentives are better than ever!



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The average ROI for energy-efficient lighting upgrades, according to the Energy Savings Cost Council.

Tax Incentives and Rebates

- Numerous tax incentives and utility rebates are available for choosing sustainable lighting for non-residential buildings. Federal, state and local programs may provide incentives for the certified use of qualifying energy-efficient lighting technologies in both new construction and renovation applications.

Understanding Energy Consumption

- Utilities invoice their customers in a variety of ways, including an energy use charge, demand charge, power factor charge, fuel adjustment charge and other charges. Lighting will help reduce your energy consumption
- Energy Consumption (kWh) = Input Watts (kW) x Time (hours operated in a given year)
- To reduce energy consumption, therefore, we can either reduce the input wattage or reduce the hours of operation. Input wattage can be reduced by replacing lamps and ballasts with more-energy-efficient counterparts or outright removal of lamps and ballasts. The hours of operation can be reduced using sophisticated controls and other methods.

For more information:

Reflective Energy Solutions
One University Plaza, Suite 407
Hackensack, NJ 07601

P: 201.880.1997

F: 201.540.2088

W: www.reflectivees.com

E: sales@reflectiveES.com