



**Technology Description:**

- **Incandescent** – Two bulbs light the sign and have a short life.
- **Compact Fluorescent** – Two bulbs light the sign and have a longer life than incandescent signs.
- **Light-Emitting Diode (LED)** – Intense light is produced by a semiconductor diode when current is applied.
- **Electroluminescent** – Phosphors light up when voltage is applied.

Exit Sign Technology	Consumption	Hours Annual Usage	Annual Energy Savings	Illumination Life Before Required Replacement
Traditional Incandescent	40 Watts	8760	NA	750 hrs
Compact Fluorescent	10 Watts	8760	\$31.54	15,000 hrs
LED	.75 Watts	8760	\$41.26	87,600 hrs
Electroluminescent	.35 Watts	8760	\$41.68	262,800 hrs



**Application:**

Exit signage is a Title 24 California Requirement.



**Potential Energy Savings:**

Each electroluminescent exit sign saves over \$41 in energy costs annually compared to an incandescent exit sign. On a discounted basis, expect to save approximately \$350 over a 10-year period by not replacing failed lamps. Simple payback before rebates is approximately one year.



### **Case Study:**

Total annual costs for incandescent exit signs including labor to replace bulbs are \$73 per unit. This compares with estimates of \$49 for fluorescent and 31 cents for electroluminescent signs. By replacing 18 incandescent units, one customer's annual costs went from roughly \$880 to \$6, after the initial six-month payback period.



### **Additional Information:**



Rebates are available for high efficiency exit lighting through San Diego Gas and Electric's Express Efficiency Program at [www.sdge.com](http://www.sdge.com).

Information on exit signs can be found at:  
[www.energystar.gov](http://www.energystar.gov)



### **Considerations:**

When purchasing new or retrofitting existing exit signs, consider lamp life expectancy, energy consumption, maintenance and disposal.



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