

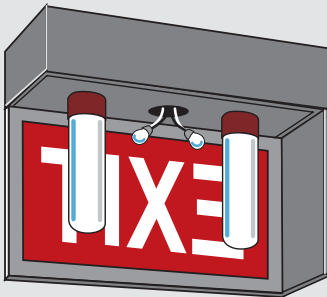


Exit Signs

Exit signs are an often overlooked opportunity to save energy. New fixtures use various technologies to significantly reduce round-the-clock energy demand. At the same time, maintenance requirements can be greatly reduced. Existing fixtures may be retrofitted with LED lamps that install in incandescent sockets.

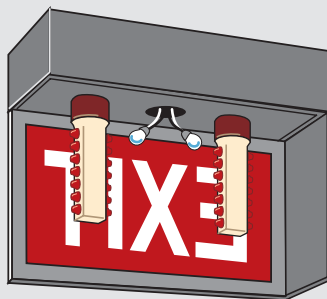
Old Fixture Design

Double Incandescent Lamps



Retrofit Fixture

Light-Emitting Diodes



Old Exit Sign Fixture

- Illumination provided by two elongated 20-watt incandescent lamps.
- Lamp replacement is typically required once or twice a year, with a lamp life of 5000 hours.
- High vibration areas (such as over doors) may shorten lamp life.
- Additional fixture maintenance once or twice a year may be needed.

New Exit Sign Fixture

- Illumination provided by Light-Emitting Diodes (LEDs).
- LEDs use 88% less energy than incandescent lamps.
- LEDs have an expected lifetime of 35-80 years and are not affected by vibration.
- Fixture is virtually maintenance free.

Anticipated Savings

For a single fixture retrofitted with two LED lamps, the expected annual savings over the old fixture are:

300 kWh and \$13

1.3 hours maintenance labor (\$20)

Annual power plant emissions eliminated:

340 kg CO₂ 1.7 kg SO₂ 1.1 kg NO_x

